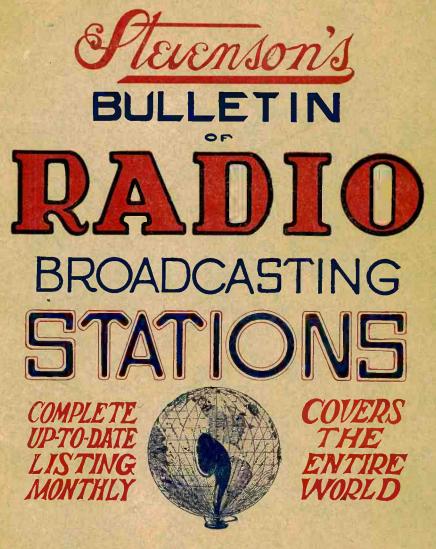
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STEVENSON'S BULLETIN OF RADIO BROADCASTING STATIONS

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



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 ex-

panding 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

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

"I was once a studeut 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. 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 groundfloor 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.

| 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 electromagetic 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.

T HE astounding growth of Radio has created thousands of big money oppor-tunities. Millions of dollars were spent dur-ing 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 broadcast-ing 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 export, by our marvelous new method of practical in-struction-instruction which includes all the material for building the latest up-to-date Re-

material for building the laws of a second processing Second a second process and the second process are already earning from \$75 to \$200 a week. Einett 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



Wonderful Opportunities

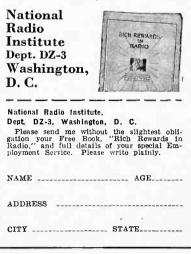
Hardly a day goes by without our receiving urgent calls for our graduates. Take advantage of our practical training and the unusual conditions in Radio to step into a big paying position in this wonderful new field. Radio offers you more money than you probably ever dreamed possible-faschat-ing, easy 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! futurel

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 anazing, practical training in detail. This Free Book, "Rich Rewards in Radio," will be sent to you with-out 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.



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 sixwire 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 Gretchaninnoff, 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. | | |

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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, PaWestinghouse E. & M. Co. |
| KDLR | 231 | 1300 | 5 | Devils Lake, N. DRadio Elec. Co. |
| KDYL | 246 | 1220 | 50 | Salt Lake City, UtahNewhouse Hotel |
| KFAB | 340.7 | 880 | 1000 | Lincoln, NebNebraska Buick Auto Co. |
| KFAD | 273 | 1100 | 100 | Phoenix, ArizElectrical Equipment Co. |
| KFAF | 217.3 | 1380 | 50 | San Jose, CalifA. E. Fowler |
| KFAU | 280.2 | 1070 | 750 | Boise, IdahoInd. School Dist. of Boise |
| KFBB | 275 | 1090 | 50 | Havre, MontF. A. Buttrey Co. |
| KFBC | 215.7 | 1390 | 50 | San Diego, CalifW. K. Azbill |
| <u>KFBK</u> | 248 | 1210 | 100 | Sacramento, CalifKinball Upson Co. |
| \mathbf{KFBL} | 224 | 1340 | 100 | Everett, WashLeese Bros. |
| KFBS | 238 | 1260 | 15 | Trinidad, ColoSchool Dist. No. 1 |
| KFBU | 270 | 1110 | 500 | Laramie, WyoBishop N. S. Thomas |
| KFCB | 238 | 1260 | 100 | Phoenix, ArizNeilson Radio Co. |
| KFDD | 278 | 1080 | 5 0 | Boise, IdahoSt. Michaels Cathedral |
| KFDM | 315.6 | 950 | 50 0 | Beaumont, TexasMagnolia Pet Co. |
| KFDX | 250 | 1200 | 100 | Shreveport, La1st Baptist Church |
| KFDY | 273 | 1100 | 100 | Brookings, S. DState College of Agri. |
| KFDZ | 231 | 1300 | 10 | Minneapolis, MinnH. O. Iverson |
| KFEC | 248 | 1210 | 50 | Portland, OregMeier & Frank Co. |
| KFEL | 254 | 1180 | 50 | Denver, ColoWinner Radio Corp. |
| \mathbf{KFEQ} | 267.7 | 1120 | 500 | Oak, NebrJ. L. Scroggin |
| KFEY | 233 | 1290 | 10 | Kellogg, IdahoBunker Hill & Sullivan |
| KFFP | 242 | 1240 | 50 | Moberly, Mo1st Baptist Church |
| KFGQ | 226 | 1330 | 10 | Boone, IowaCrary Co. |
| \mathbf{KFH} | 267.7 | 1120 | 500 | Wichita, KansHotel Lassen |
| KFHA | 252 | 1190 | 50 | Gunnison, ColoWestern State College |
| KFHL | 240 | 1250 | 10 | Oskaloosa, IowaPenn College |
| KFI | 468.5 | 640 | 4000 | Los Angeles, CalifE. C. Anthony, Inc. |
| KFIF | 248 | 1210 | 100 | Portland, OregBenson Institute |
| KFIO | 266 | 1130 | 100 | Spokane, WashNorth Central H. School |
| KFIQ | 256 | 1170 | 100 | Yakima, Wash1st Methodist Church |
| KFIU | 226 | 1330 | 10 | Juneau, AlaskaAlaska Elec. Co. |
| KFIZ | 273 | 1100 | 100 | Fond du Lac, WisDaily Commonwealth |
| KFJB | 248 | 1210 | 10 | Marshalltown, IowaMarshall Elec. Co. |
| KFJC | 218.8 | 1370 | 10 | Junction City, KansR. B. Fegan |
| KFJF | 261 | 1150 | 500 | Oklahoma City, OklaNational Radio Co. |
| KFJI | 246 | 1220 | 10 | Astoria, OregLiberty Theatre |

| Station | Meters | к. с. | Watts | Location and Owner |
|---------|------------|-------|-------|---|
| KFJM | 278 | 1080 | 100 | Grand Forks, N. DUniversity of N. D. |
| KFJR | 263 | 1140 | 50 | Portland, OregAshley C. Dixon & Son |
| KFJY | 246 | 1220 | 50 | Ft. Dodge, IowaTunwall Radio Co. |
| KFJZ | 254 | 1180 | 50 | Ft. Worth, TexS. W. Bapt. Theo. Seminary |
| KFKA | 273 | 1100 | 50 | Greeley, ColoState Teachers College |
| KFKU | 275 | 1090 | 500 | Lawrence, KansUniversity of Kansas |
| KFKX | 288.3 | 1040 | 5000 | Hastings, NebrWestinghouse E. & M. Co. |
| KFKZ | 226 | 1330 | 10 | Kirksville, MoF. M. Henry |
| KFLR | 254 | 1180 | 100 | Albuquerque, N. MexUniversity of N. M. |
| KFLU | 236 | 1270 | 10 | San Benito, Texas_San Benito Radio Club |
| KFLV | 229 | 1310 | 100 | Rockford, IllSwedish Evangelist Church |
| KFLX | 240 | 1250 | 10 | Galveston, TexasGeorge R. Clough |
| KFLZ | 273 | 1100 | 100 | Anita, IowaAtlantic Auto Co. |
| KFMR | 261 | 1150 | 100 | Sioux City, IowaMorningside College |
| KFMW | 263 | 1140 | 50 | Houghton, MichM. G. Sataren |
| KFMX | 336.9 | 890 | 500 | Northfield, MinnCarleton College |
| KFNF | 263 | 1140 | 1000 | Shenandoah, IowaHenry Field Seed Co. |
| KFOA | 454.3 | 660 | 1000 | Seattle, WashRhodes Company |
| KFOB | 225.4 | 1330 | 50 | Burlingame, CalifKFOB, Inc. |
| KFON | 233 | 1290 | 500 | Long Beach, CalifEchophone Radio Shop |
| KFOO | 236 | 1270 | 250 | Salt Lake City, Utah_Latter Day Saints Univ. |
| KFOR | 226 | 1330 | 100 | David City, NebDavid City Tire & Elec. Co. |
| KFOT | 231 | 1300 | 50 | Wichita, KansCollege Hill Radio Club |
| KFOX | 248 | 1210 | 100 | Omaha, NebrTechnical High School |
| KFOY | 252 | 1190 | 50 | St. Paul, MinnBeacon Radio Service |
| KFPL | 252 | 1190 | 15 | Dublin, TexasC. C. Baxter |
| KFPM | 242 | 1240 | 10 | Greenville, TexasNew Furniture Co. |
| KFPR | 231 | 1300 | 500 | Los Angeles, CalifForestry Department |
| KFPW | 258 | 1160 | 20 | Carterville, MoSt. John's Church |
| KFPY | 266 | 1130 | 100 | Spokane, WashSymonds Investment Co. |
| KFQA | 261 | 1150 | 100 | St. Louis, MoThe Principia |
| KFQB | 263 | 1140 | 1000 | Ft. Worth, TexSearchlight Publish'g Co. |
| KFQD | 227.1 | 1320 | 100 | Anchorage, AlaskaChovin Sup. Co. |
| KFQP | 224 | 1340 | 10 | Iowa City, IowaG. S. Carson, Jr. |
| KFQU | 217.3 | 1380 | 100 | Holy City, CalifW. C. Riker |
| KFQW | 215.7 | 1390 | 50 | North Bend, WashC. F. Knierim |
| KFQZ | 226 | 1330 | 50 | Hollywood, CalifTaft Products Co. |
| KFRB | 248 | 1210 | 250 | Beeville, TexasHall Bros. |
| KFRC | 268 | 1120 | 50 | San Francisco, CalifCity of Paris |
| KFRŲ | 499.7 | 600 | 500 | Columbia, MoStephens College |
| KFRW | 218.8 | 1370 | 50 | Olympia, WashUnited Churches |
| KFSG | 275 | 1090 | 500 | Los Angeles, CalifEcho Park Evang. Ass'n. |
| KFUL | 258 | 1160 | 50 | Galveston, TexasT. Googan & Bro. |
| KFUM | 239.9 | 1250 | 100 | Colorado Springs, ColoW. D. Corley |
| KFUO | 545.1 | 550 | 500 | Şt. Louis, MoConcordia Theo. Semi nary |

| Station | n Meter | я К. C. | Watts | Location and Owner |
|--------------|---|---------------------|-------|---|
| KFUF | 234 | 1280 | 50 | Denver, ColoFitzsimons General Hospital |
| KFUR | | 1340 | 50 | Ogden, UtahPeery Building Co. |
| KFUS | | 1170 | 50 | Oakland, CalifLouis L. Sherman |
| KFUT | 261 | 1150 | 100 | Salt Lake City, UtahUniversity of Utah |
| KFUU | 220.4 | 1360 | 50 | Oakland, CalifColburn Radio Lab. |
| KFVD | 205.4 | 1460 | 50 | San Pedro, CalifChas. & W. J. McWhinnie |
| KFVE | | 1250 | 500 | St. Louis, MoFilm Corporation |
| KFVG | 236.1 | 1270 | 15 | Independence, KansFirst M. E. Church |
| KFVI | 240 | 1250 | 10 | Houston, Texas56th Cavalry Brigade |
| KFVN | | 1320 | 50 | Welcome, MinnCarl E. Bagley |
| KFVR | 244 | 1230 | 50 | Denver, ColoMoonlight Ranch Broadcast- |
| | | | | ing Station |
| KFVS | 224 | 1340 | 50 | Cape Girardeau, MoC. Girardeau Bat. Sta. |
| KFVW | | 1220 | 500 | San Diego, CalifAirfan Radio Corp. |
| KFVY | | 1200 | 10 | Albuquerque, N. MexRadio Supply Co. |
| KFWA | | 1150 | 500 | Ogden, UtahBrowning Bros. Co. |
| KFWB | | 1190 | 500 | Hollywood, Calif. Warner Bros. Pictures, Inc. |
| KFWC | | 1420 | 50 | San Bernardino, CalifL. E. Wall |
| KFWF | | 1400 | 250 | St. Louis, MoSt. Louis Truth Center |
| KFWH | | 1180 | 100 | Chico, CalifF. Wellington Morse, Jr. |
| KFWI | 226 | 1330 | 500 | South San Francisco, CalifRadio Enter- |
| | | | | tainments, Inc. |
| KFWM | | 1450 | 500 | Oakland, CalifOakland Educational Soc |
| KFWO | | 1420 | 250 | Avalon, CalifLawrence Mott |
| KFWU | | 1260 | 100 | Pineville, LaLouisiana College |
| KFWV | | 1410 | 50 | Portland, OregWilbur Jerman |
| KFXB | 202.6 | 1480 | 500 | Big Bear Lake, CalifBertram O Heller |
| KFXD | 205.4 | 1460 | 10 | Logan, UtahService Radio Co |
| KFXF | 249.9 | 1200 | 500 | Uolo. Springs, Colo. Pikes Peak Brdest'e Co |
| KFXH | 242 | 1240 | 50 | El Paso, TexasBledsoe Radio Co |
| KFXJ KFXM | 215.7 | 1390 | 10 | (Portable), ColoMountain States Radio |
| KFXR | 227 | 1320 | 10 | Beaumont, TexasNeches Elec. Co |
| KFXY | 214.2 | 1400 | 15 | Okla. City, Okla. Classen Film Finish'a Co |
| KFYF | $\begin{array}{c} 205.4 \\ 205.4 \end{array}$ | 1460 | 50 | Flagstaff, ArizMary M. Costigan |
| KFYJ | 205.4 | 1460 | 10 | Uxnard, CalifCarl's Radio Don |
| KFYO | 209.7 | 1260 | 10 | Houston, Tex. (Portable) - Houston Chronielo |
| KFYR | 209.7 248 | $\frac{1440}{1210}$ | 10 | Texarkana, TexasBuchanan Vaughn Co |
| KGO | $\frac{248}{361.2}$ | 830 | 10 | Bismarck, N. DakHoskins Mover Inc. |
| KGTT | 206.8 | | 4000 | Uakland, Calif. General Et 1 : G |
| | 200.8 | 1450 | 50 | San Francisco, Calif Glad Tidinga |
| KGU | 270 | 1110 | 500 | a aboundere. |
| KGW | 491.5 | 610 | 500 | Honolulu, HawaiiM. A. Mulrony |
| KGY | 246 | 1220 | 50 | Portland, OregThe Oregonian |
| KHJ | 405.2 | 740 | 500 | Lacey, WashSt. Martin's College |
| | | | | Los Angeles, CalifThe Times |

| Station | Meters | К. С. | Watts | Location and Owner |
|----------------|------------------|--------------------|---|---|
| KHQ | 273 | 1100 | 500 | Spokane, WashLouis Wasmer |
| KJBS | 220 | 1360 | 5 | San Francisco, CalifJ. Brunton & Sons Co. |
| KJR | 384.4 | 780 | 1000 | Seattle, WashNorthwest Radio Co. |
| KLDS | 440.9 | 680 | 1000 | Independence, MoReorganized Church of |
| | | | | Jesus Christ of Latter Day Saints. |
| KLS | 250 | 1200 | 250 | Oakland, CalifWarner Bros. Radio Co. |
| KLX | 508.2 | 590 | 500 | Oakland, CalifThe Tribune |
| \mathbf{KLZ} | 266 | 1130 | 250 | Denver, ColoReynolds Radio Co. |
| KMA | 252 | 1190 | 500 | Shenandoah, IowaMay Seed & Nursery Co. |
| KMJ | 234.2 | 1280 | 50 | Fresno, CalifFresno Bee |
| KMMJ | 228.9 | 1310 | 1000 | Clay Center, NebrM. M. Johnson Co. |
| KMO | 250 | 1200 | 100 | Tacoma, WashLove Elec. Co. |
| KMOX | 280.2 | 1070 | 1500 | St. Louis, MoVoice of St. Louis |
| KMTR | 238 | 1260 | 500 | Los Angeles, CalifOliver S. Garretson & |
| TANDO | 000 0 | 1440 | 050 | K. M. Turner. |
| KNRC | 208.2 | | 250 | Hollywood, CalifC. B. Juneau |
| KNX | 336.9 | 890 930 | $\begin{array}{c} 1000 \\ 5000 \end{array}$ | Los Angeles, Calif The Express Denver, Colo General Electric Co. |
| KOA KOAC | $322.4 \\ 280.2$ | $\frac{930}{1070}$ | 5000 | Corvallis, OregOregon Agri. Col. |
| KOAC | 348.6 | 860 | 1000 | State College, N. MCollege of Agri. & |
| ROP | 040.0 | 800 | 1000 | Mech. Arts. |
| KOCH | 258 | 1160 | 250 | Omaha, NebrOmaha Central High School |
| KOCW | . 252 | 1190 | 200 | Chickasha, OklaOkla. College for Women |
| KOIL | 278 | 1080 | 500 | Council Bluffs, IowaMonarch Mfg. Co. |
| KOWW | 256.3 | 1170 | 500 | Walla Walla, WashBlue Mt. Radio Ass'n. |
| KPO | 428.3 | 700 | 1000 | San Francisco, CalifHale Brothers |
| KPPC | 229 | 1310 | 50 | Pasadena, CalifPasadena Pres. Church |
| KPRC | 296.9 | 1010 | 750 | Houston, TexasHouston Printing Co. |
| KPSN | 315.6 | 950 | 1000 | Pasadena, CalifPasadena Star-News |
| KQP | 212.6 | 1410 | 500 | Portland, OregH. B. Read |
| KQV | 275 | 1090 | 500 | Pittsburgh, PaDoubleday Hill Elec. Co. |
| KQW | 231 | 1300 | 500 | San Jose, CalifFirst Baptist Church |
| KRE | 256 | 1170 | 100 | Berkeley, CalifThe Gazette |
| KSAC | 340.7 | 880 | 500 | Manhattan, KansKans. State Agri. Col. |
| KSD | 545.1 | | 500 | St. Louis, Mo The Post Dispatch |
| KSL | 299.8 | | 1000 | Salt Lake City, UtahRadio Serv. Corp. |
| KSMR | 209.7 | | 100 | Santa Maria, CalifS. M. Valley R. R. Co. |
| KSO | 242 | 1240 | 500 | Clarinda, IowaA. A. Berry Seed Co. |
| KTAB | 240 | 1250 | 1000 | Oakland, CalifTenth Ave. Bapt. Church |
| KTBI | 293.9 | | 750 | Los Angeles, CalifBible Inst., Los Angeles |
| KTBR | 263 | 1140 | 50 | Portland, OregBrown's Radio Shop |
| KTCL | 305.9 | | 1000 | Seattle, WashAm. Radio Tel. Co. |
| KTHS | 374.8 | | 500 | Hot Springs, ArkNew Arlington Hotel |
| KTNT | 256 | 1170 | 500 | Muscatine, Iowa |
| KTW | 454.3 | 660 | 1000 | Seattle, Wash1st Presbyterian Church |

| Station | Meters | К. С. | Watts | Location and Owner |
|--------------|----------------|---|--|--|
| KUOA | 299.8 | 1000 | 750 | |
| KUOM | - | 1230 | 250 | Fayettsville, ArkUniversity of Arkansas |
| KUSD | 278 | 1080 | 100 | Missoula, MontState Univ. of Montana |
| KUT | 231 | 1300 | 500 | Vermilion, S. DakUniversity of S. Dak. |
| KVOO | 374.8 | 800 | 500 | Austin, TexasUniversity of Texas |
| KWCR | 278 | 1080 | 500 | Bristow, OklaVoice of Oklahoma Cedar Rapids, IowaH. F. Parr |
| KWG | 248 | 1210 | 50 | Stockton, CalifPortable Wireless Tel. Co. |
| KWKC | 236 | 1270 | 100 | Kansas City, MoWilson Duncan Studios |
| KWKH | 261 | 1150 | 500 | Shreveport, LaW. K. Henderson I. W. & |
| TITUCO | | | | S. Co. |
| KWSC | 348.6 | 860 | 500 | Pullman, WashState College |
| KWUC | 252 | 1190 | 50 | Lemars, IowaWestern Union College |
| KWWG | | 1080 | 500 | Brownsville, TexasCity of Brownsville |
| KYW | 535.4 | 560 | 3500 | Chicago, IllWestinghouse E. & M. Co. |
| KZKZ | 270 | 1110 | 100 | Manila, P. IElectric Supply Co. |
| KZM | 240 | 1250 | 100 | Oakland, CalifP. D. Allen |
| KZRQ | 222 | 1350 | 500 | Manila, P. IFar Eastern Radio. Inc. |
| NAA | 435 | 680 | 1000 | Arlington, VaU. S. Navy |
| WAAD | 258 | 1160 | 25 | Cincinnati, OhioOhio Mech. Institute |
| WAAF | 278 | 1080 | 200 | Chicago, IllDrovers Journal |
| WAAW | | 1080 | 500 | Omaha, NebrOmaha Grain Exchange |
| WABB | 204 | 1470 | 10 | Harrisburg, PaHarrisburg Radio Co. |
| WABC | 254 | 1180 | 20 | Asheville, N. C Asheville Battery Co., Inc. |
| WABI | 240 | 1250 | 100 | Bangor, MaineFirst Universalist Church |
| WABO | 278 | 1080 | 100 | Rochester, N. Y Lake Ave. Baptist Church |
| WABQ | 261 | 1150 | 100 | Haverford, PaHaverford Col. Radio Club |
| WABR | 263 | 1140 | 50 | Toledo, OhioScott High School |
| WABW | | 1450 | 50 | Wooster, OhioCollege of Wooster |
| WABX WABY | 246 | 1220 | 500 | Mt. Clemens, MichH. B. Joy |
| WABY | 242 | 1240 | 50 | Philadelphia, PaJohn Magaldi |
| WADZ | 275.1 | 1090 | 50 | New Orleans, LaColiseum Pl. Baptist Ch. |
| WADU | 258 | 1160 | 500 | Akron, OhioAllen T. Simmons |
| | 275 | 1090 | 500 | Port Huron, MichAlbert B. Parfet Co. |
| WAGM WAHG | 315.6 | 1330 | 50 | Royal Oak, MichR. L. Miller |
| WAIT | 229 | $\begin{array}{c} 950\\ 1310 \end{array}$ | 500 | Richmond Hill, N. YA. H. Grebe Co. |
| WAIU | 293.9 | 1020 | $10 \\ 500$ | Taunton, MassA. H. Waite & Co. |
| WAND | 293.9 | 1020 | | Columbus, OhioAmerican Ins. Union |
| WAPI | 243.8 247.8 | 1230 | $\begin{array}{c} 500 \\ 1000 \end{array}$ | Minneapolis, MinnRadisson Corp. |
| WARC | 241.8 | 1150 | 1000 | Auburn, AlaAlabama Polytechnic Inst. |
| WARO | 201 | 1150 | 100 | Medford Hillside, MassAm. Radio Res. Corp. |
| WATT | 243.8 | 1230 | 100 | (Portable) MassEdison Elec. Ill. Co. |
| WBAA | 273 | 1100 | 2 50 | West Lafayette, IndPurdue University |
| WBAK | 275 | 1090 | 500 | Harrisburg, PaPenna. State Police |
| WBAL | 245.8 | 1220 | 1000 | Baltimore Md |
| | | | 1000 | Baltimore, MdGas and Elec. Co. |

| | Matana | к. с. | Watts | Location and Owner |
|---------|---------|--------|-------|---|
| Station | Meters | | 100 | Decatur, IllJames Millikin University |
| WBAO | 270.1 | 1110 | 1500 | Fort Worth, TexasStar Telegram |
| WBAP | 475.9 | 630 | 100 | Wilkes-Barre, PaJ. H. Stenger, Jr. |
| WBAX | 256 | 1170 | 100 | Richmond, VaGrace Covenant Pres. Ch. |
| WBBL | 228.9 | 1310 | _ | Chicago, IllAtlass Investment Co. |
| WBBM | | 1330 | 1500 | Petoskey, MichPetoskey High School |
| WBBP | 238 | 1260 | 200 | Rossville, N. YPeoples Pulpit Ass'n. |
| WBBR | 273 | 1100 | 500 | New Orleans, La1st Baptist Church |
| WBBS | 252 | 1190 | 50 | Norfolk, VaRuffner City High School |
| WBBW | | 1350 | 50 | Charleston, S. CWashington Light Inf. |
| WBBY | 268 | 1120 | 10 | (Portable), IllC. L. Carrell |
| WBBZ | 215.7 | 1390 | 50 | Chicago, IllFoster & McDonnell |
| WBCN | | 1130 | 500 | Grand Rapids, MichBaxter Laundry Co. |
| WBDC | 256.3 | 1170 | 500 | Takoma Park, MdBliss Electrical School |
| WBES | 222 | 1350 | 100 | New York, N. YMiss Shirley Katz |
| WBNY | 209.7 | 1430 | 500 | Richmond Hill, N. YA. H. Grebe & Co. |
| WBOQ | 236 | 1270 | 100 | Richmond Hill, N. 1A. II. Grebe & Co. |
| WBPI | 263 | 1140 | 500 | Newark, N. JI. R. Nelson Co. Birmingham, AlaBell Radio Corp. |
| WBRC | 248 | 1210 | 50 | Wilkes-Barre, PaBaltimore Radio Ex. |
| WBRE | 231 | 1300 | 100 | Wilkes-Barre, PaBaltimore Radio Ex. |
| WBT | 275 | 1090 | 250 | Charlotte, N. CCharlotte Cham. of Com. |
| WBZ | 333.1 | 900 | 2000 | Springfield, MassWestinghouse E. & M. Co. |
| WBZA | 242 | 1240 | 250 | Boston, MassWestinghouse E. & M. Co. |
| WCAC | 275 | 1090 | 500 | Mansfield, ConnAgricultural College |
| WCAI | - | 1140 | 250 | Canton, N. YSt. Lawrence University |
| WCAH | E 461.3 | 650 | 500 | Pittsburgh, PaKaufman & Baer |
| WCAJ | 254 | 1180 | 500 | Univ. Place, NebrNebr. Wesleyan Univ. |
| WCAI | 336.9 | 890 | 500 | Northfield, MinnSt. Olaf College |
| WCAG |) 275 | 1090 | 100 | Baltimore, MdBrager of Baltimore |
| WCAI | P 468.5 | 640 | 500 | Washington, D. CC. & P. Tel. Co. |
| WCAI | R 263 | 1140 | 500 | San Antonio, Texas_Southern Radio Corp. |
| WCA' | r 240 | 1250 | 50 | Rapid City, S. DSchool of Mines |
| WCA | U 278 | 1080 | 500 | Phila., PaUniversal Broadcasting Co. |
| WCA2 | X 250 | 1200 | 100 | Burlington, VtUniversity of Vermont |
| WCB. | A 254 | 1180 | 15 | Allentown, PaC. W. Heimbach |
| WCB | D 344.6 | 870 | 5000 | Zion, IllW. G. Voliva |
| WCB | | 1140 | 5 | New Orleans, LaUhalt Radio Co. |
| WCB | H 242 | 1240 | 50 | Oxford, MissUniversity of Mississippi |
| WCB | | 1310 | | Baltimore, MdHotel Chateau |
| WOB | | 1270 | | Nashville, Tenn1st Baptist Church |
| WCB | - | | | (Portable)C. H. Messter |
| WCC | | 4 720 | | Minneapolis-St. Paul, Minn_Gold Medal Sta. |
| WCL | | 1300 | | *Camp Lake, WisC. E. Whitmore |
| WCL | | 2 1400 | | Joliet, IllH. M. Couch |
| WCO | | 1 1350 | | Pensacola, FlaMunicipal Station |
| WCS | | 1170 |) 500 | Portland, MaineH. P. Rines |

| <i>a.</i> | | | | |
|-----------|------------|------|--------------|---|
| Station | Meters | | Wates | Location and Owner |
| WCSO | 248 | 1210 | 100 | Springfield, OhioWittenberg College |
| WCWS | | 1430 | 100 | (Portable), MassC. W. Selen |
| WCX | 516.9 | 580 | 5000 | Pontiac, MichDetroit Free Press and Jew- |
| | | | | ett Radio and Phonograph Co. |
| WDAD | 226 | 1330 | 150 | Nashville, TennDad's Auto Accessories Inc. |
| WDAE | 273 | 1100 | 250 | Tampa, FlaTampa Daily Times |
| WDAF | 365.6 | 820 | 500 | Kansas City, Mo Kansas City Star |
| WDAG | | 1140 | 100 | Amarillo, TexasJ. L. Martin |
| WDAH | | 1120 | 50 | El Paso, TexasTrinity Methodist Church |
| WDAY | | 1150 | 50 | Fargo, N. DakRadio Equipment Corp. |
| WDBE | 270 | 1110 | 100 | Atlanta, GaGilham-Schoen Elec. Co. |
| WDBJ | 228.9 | 1310 | 50 | Roanoke, VaRichardson Wayland El. Co. |
| WDBK | 227 | 1320 | 100 | Cleveland, OhioM. F. Broz |
| WDBO | 240 | 1250 | 500 | Winter Park, FlaRollins College |
| WDBZ | 233 | 1290 | 10 | Kingston, N. Y Boy Scouts of America |
| | 256 | 1170 | 500 | Chattanooga, Tenn. Chattanooga Radio Co. |
| WDRC | 268 | 1120 | 100 | New Haven, ConnDoolittle Radio Corp. |
| WDWF | 440.9 | 680 | 500 | Cranston, R. ID. W. Flint |
| WDZ | 278 | 1080 | 100 | Tuscola, IllJ. L. Bush |
| WEAF | 491.5 | 610 | 500 0 | New York, N. YA. T. & T. Co. |
| WEAI | 254 | 1180 | 500 | Ithaca, N. YCornell University |
| WEAM | | 1150 | 250 | N. Plainfield, N. J. Borough of N. Plainfield |
| WEAN | 270 | 1110 | 500 | Providence, R. IShepard Co. |
| WEAO | 293.9 | 1020 | 500 | Columbus, OhioOhio State University |
| WEAR | 389.4 | 770 | 750 | Cleveland, OhioGoodyear T. and R. Co. |
| WEAU | 275 | 1090 | 100 | Sioux City, IowaDavidson Bros. Co. |
| WEBC | 242 | 1240 | 100 | Superior, WisW. C. Bridges |
| WEBD | 246 | 1220 | 15 | Anderson, IndElec. Equip & Service Co. |
| WEBE | 234 | 1280 | 10 | Cambridge, OhioRoy W. Waller |
| WEBH | 370.2 | 810 | 2000 | Chicago, IllEdgewater 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, IllTate Radio Co. |
| WEBR | 244 | 1230 | 100 | Buffalo, N. YH. H. Howell |
| WEBW | | 1120 | 500 | Beloit, WisBeloit College |
| WEBZ | 263 | 1140 | 50 | Savannah, GaSavannah Radio Corp. |
| WEEI | 348.6 | 860 | 500 | Boston, MassEdison Elec. Illuminating Co. |
| WEHS | 202.6 | 1480 | 10 | Evanston, IllRobert E. Hughes |
| | | | | |

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| Station | Meters | к. с. | Watts | Location and Owner |
|---------|------------|-------|-------|---|
| WEMC | 285.5 | 1050 | 500 | Berrien Spgs., Mich. Emm. Missionary Col. |
| WENR | 266 | 1130 | 1000 | Chicago, IllAll-American Radio Corp. |
| WEW | 247.8 | 1210 | 1000 | St. Louis, MoSt. Louis University |
| WFAA | 475.9 | 630 | 500 | Dallas, TexasDallas News & Journal |
| WFAM | 273 | 1100 | 10 | St. Cloud, MinnThe Times |
| WFAV | 275 | 1090 | 500 | Lincoln, NebrUniversity of Nebr. |
| WFBC | 250 | 1200 | 50 | Knoxville, Tenn1st Baptist Church |
| WFBD | 234 | 1280 | 5 | Philadelphia, PaGethsemane Baptist Ch. |
| WFBE | 226 | 1330 | 10 | Seymour, IndJ. V. De Walle |
| WFBG | 278 | 1080 | 100 | Altoona, PaW. F. Gable Co. |
| WFBH | 273 | 1100 | 500 | New York, N. Y Concourse Radio Corp. |
| WFBI | 236 | 1270 | 250 | Camden, N. JGalvin Radio Supply Co. |
| WFBJ | 236 | 1270 | 100 | Collegeville, MinnSt. John's University |
| WFBL | 252 | 1190 | 100 | Syracuse, N. YOnondaga Hotel |
| WFBM | 268 | 1120 | 250 | Indianapolis, IndMerchants Lighting Co. |
| WFBR | 254 | 1180 | 100 | Baltimore, MdMaryland Nat'l Guard |
| WFBZ | 254 | 1180 | 20 | Galesburg, IllKnox College |
| WFDF | 234 | 1280 | 100 | Flint, MichF. D. Fallain |
| WFI | 394.5 | 760 | 500 | Philadelphia, PaStrawbridge & Clothier |
| WFKB | 217.3 | 1380 | 500 | Chicago, IllF. K. Bridgman |
| WFRL | 205.4 | 1460 | 100 | Brooklyn, N. YR. M. Lacey |
| WGAL | 248 | 1210 | 10 | Lancaster, PaLancaster Elec. Supply Co. |
| WGBB | 243.8 | 1230 | 100 | Freeport, N. YH. H. Carman |
| WGBC | 278 | 1080 | 10 | Memphis, Tenn1st Baptist Church |
| WGBF | 236.1 | 1270 | 500 | Evansville, IndThe Finke Furniture Co. |
| WGBI | 239.9 | 1250 | 10 | Scranton, PaFrank S. Megargee |
| WGBM | 234 | 1280 | 30 | Providence, R. IT. N. Saaty |
| WGBR | 229 | 1310 | 10 | Marshfield, WisMarshfield Broadcasting |
| | | | | Ass'n. |
| WGBS | 315.6 | 950 | 500 | New York, N. YGimble Bros. |
| WGBU | 278 | 1080 | 500 | Fulford-By-The-Sea, FlaFlorida Cities |
| WGBX | 252 | 1190 | 100 | Orono, MaineUniversity of Maine |
| WGCP | 252 | 1190 | 500 | Newark, N. JD. W. May, Inc. |
| WGES | 250 | 1200 | 500 | Oak Park, IllCoyne Elec'l. School |
| WGHB | 266 | 1130 | 500 | Clearwater, FlaG. H. Bowles Developments |
| WGHP | 270 | 1110 | 1500 | Detroit, MichG. H. Phelps, Inc. |
| WGMU | 236 | 1270 | 100 | Richmond Hill, N. YA. H. Grebe & Co. |
| WGN | 302.8 | 990 | 1000 | Chicago, IllThe Tribune |
| WGR | 319 | 940 | 750 | Buffalo, N. YFederal Tel. Mfg. Co. |
| WGST | 270 | 1110 | -500 | Atlanta, GaGa. School of Tech. |
| WGWY | | 1140 | 500 | Minneapolis, MinnDr. Geo. W. Young |
| WGY | 379.5 | 790 | 5000 | Schenectady, N. YGeneral Elec. Co. |
| WHA | 535.4 | 560 | 750 | Madison, WisUniversity of Wisconsin |
| WHAD | 275 | 1090 | 500 | Milwaukee, WisMarquette University |

| Station | Meters | К. С. | Watts | Location and Owner |
|--------------|---|--|------------|---|
| WHAM | 278 | 1080 | 100 | Rochester, N. YEastman School of Music |
| WHAP | 240 | 1250 | 500 | New YorkWm. H. Taylor Fin. Corp. |
| WHAR | 275 | 1090 | 500 | Atlantic City, N. JF. P. Cook's Sons |
| WHAS | 399.8 | 750 | 500 | Louisville, KyThe Courier Journal-Times |
| WHAV | 266 | 1130 | 100 | Wilmington, DelWilmington Elec. Spec Co. |
| WHAZ | 379.5 | 790 | 1000 | Troy, N. Y Rensselaer Polytechnic Inst. |
| WHB | 365.6 | 820 | 500 | Kansas City, MoSweeney School Co. |
| WHBA | 250 | 1200 | 10 | Oil City, PaShaffer Music House |
| WHBC | 254 | 1180 | 10 | Canton, OhioRev. E. P. Graham |
| WHBD | 222.1 | 1350 | 20 | Bellefontaine, OhioCharles W. Howard |
| WHBF | 222.1 | 1350 | 100 | Rock Island, IllBeardsley Specialty Co. |
| WHBG | 231 | 1300 | 20 | Harrisburg, PaJohn S. Skane |
| WHBH | 222.1 | 1350 | 100 | Culver, IndCulver Military Academy |
| WHBJ | 234 | 1280 | 50 | Ft. Wayne, IndLauer Auto Co. |
| WHBL | 215.7 | 1390 | 50 | (Portable), IllC. L. Carroll |
| WHBM | 215.7 | 1390 | 20 | Chicago, Ill. (Portable),C. L. Carroll |
| WHBN | 238 | 1260 | 10 | St. Petersburg, Fla1st Ave. Meth. Ch. |
| WHBP | 256 | 1170 | 100 | Johnstown, PaJohnstown Auto Co. |
| WHBQ | 233 | 1290 | 50 | Memphis, TennSt. John's M. E. Church |
| WHBU | | 1370 | 10 | Anderson, IndRiviera Theatre |
| WHBW | | 1390 | 100 | Philadelphia, PaD. R. Kienzle |
| WHBY | | 1200 | 50 | West De Pere, WisSt. Norbert's College |
| WHDI | 278 | 1080 | 500 | Minneapolis, MinnWm. Hood Dunwoody |
| | | | | Ind. Inst. |
| WHEC | 258 | 1160 | 100 | Rochester, N. YHickson Elec. Co. |
| WHK | 272.6 | 1100 | 1000 | Cleveland, OhioRadio Air Service Corp. |
| WHN | 361.2 | 830 | 500 | New York, N. YGeorge Schubel |
| WHO | 526 | 570 | 5000 | Des Moines, IowaBankers Life Co. |
| WHT | 399.8 | 750 | 3500 | Deerfield, IllRadiophone Broadcast'g Corp. |
| WIAD | 250 | 1200 | 100 | Philadelphia, PaH. R. Miller |
| WIAS WIBA | 254 | 1180 | 100 | Burlington, IowaHome Elec. Co. |
| WIBA | $\begin{array}{c} 236 \\ 222 \end{array}$ | 1270 | 100 | Madison WisCapital Times |
| WIBG | 222 | $\begin{array}{c} 1350\\ 1430 \end{array}$ | 50 | Elkins Park, PaSt. Paul's P. E. Church |
| WIBH | 209.7 | | 30 50 | New Bedford, MassElite Radio Stores |
| WIBI | 210.0 215.7 | $1370 \\ 1390$ | $50 \\ 50$ | Flushing, L. IF. B. Gittell, Jr. |
| WIBJ | 215.7 215.7 | 1390 | 50 10 | Chicago, Ill. |
| WIBM | 215.7 | 1330 | 1000 | Chicago, IllBilly Maine |
| WIBO | 246 | 1330 1220 | 1000 50 | Chicago, IllNelson Brothers |
| WIBR | 240 | 1480 | 10 | Weirton, W. VaThurman A. Owings Elizabeth, N. JN. J. Nat'l Guard, 57th |
| 11100 | | 1400 | 10 | Infantry Brigade. |
| WIBU | 222 | 1350 | 20 | Poynette, WisThe Elec. Farm |
| WIBW | 220 | 1360 | 100 | Logansport, IndDr. L. L. Dill |
| WIBX | 205.4 | 1460 | 150 | Utica, N. Y. Grand Leak, Inc. |
| | | | | , |

| Station | Meters | к. с. | Watts | Location and Owner |
|---------|------------|-------|-------|--|
| WIBZ | 230.6 | 1300 | 10 | Montgomery, AlaA. D. Trum |
| WIL | 273 | 1100 | 250 | St. Louis, MoBenson Radio Co. |
| WIOD | 247.8 | 1210 | 1000 | Miami, FlaCarl G. Fisher Co. |
| WIP | 508.2 | 590 | 500 | Philadelphia, PaGimble Bros. |
| WJAD | 352.7 | 850 | 500 | Waco, TexasJackson's Radio Elec. Co. |
| WJAG | 270 | 1110 | 200 | Norfolk, NebrNorfolk Daily News |
| WJAK | 254.1 | 1180 | 50 | Kokomo, IndRev. C. L. White |
| WJAM | 268 | 1120 | 100 | Cedar Rapids, IowaD. M. Perham |
| WJAR | 305.9 | 980 | 500 | Providence, R. IThe Outlet Co. |
| WJAS | 275 | 1090 | 500 | Pittsburgh, PaPittsburgh Radio Sup. House |
| WJAX | 336.9 | 890 | 1000 | Jacksonville, FlaCity of Jacksonville |
| WJAZ | 322.4 | 930 | 1500 | Mt. Prospect, IllZenith Radio Corp. |
| WJBA | 206.8 | 1450 | 50 | Joliet, IllD. H. Lentz, Jr. |
| WJBB | 254.1 | 1180 | 10 | St. Petersburg, FlaFinancial Journal |
| WJBC | 234 | 1280 | 100 | La Salle, IllHummer Furn. Co. |
| WJBG | 224 | 1340 | 40 | Charlotte, N. CInterstate Radio |
| WJBI | 218.8 | 1370 | 250 | Red Bank, N. JRobert S. Johnson |
| WJBK | 233 | 1290 | 10 | Ypsilanti, MichErnest F. Goodwin |
| WJBL | 270 | 1110 | 500 | Decatur, IllWm. Grishard Dry Goods Co. |
| WJBO | 267.7 | 1120 | 100 | New Orleans, LaV. Jensen |
| WJBR | 227.1 | 1320 | 50 | Omro, WisOmro Drug Store |
| WJBU | 211.1 | 1420 | 100 | Lewisburg, PaBucknell University |
| WJJD | 370.2 | 810 | 500 | Mooseheart, IllLoyal Order of Moose |
| WJR | 516.9 | 580 | 5000 | Pontiac, MichDetroit Free Press and Jew- |
| | | | | ett Radio and Phonograph Co. |
| WJY | 405.2 | 740 | 1000 | New York, N. YRadio Corp. of America |
| WJZ | 454.3 | 660 | 50000 | New York-Boundbrook_Radio Corp. of Am. |
| WKAF | 261 | 1150 | 500 | Milwaukee, WisWKAF Broadcasting Co. |
| WKAQ | 340.7 | 880 | 500 | San Juan, P. RRadio Corp. of Porto Rico |
| WKAR | 285.5 | 1050 | 1000 | Lansing, MichMich. Agri. College |
| WKAV | 224 | 1340 | 50 | Laconia, N. HLaconia Radio Club |
| WKBB | 214.2 | 1400 | 100 | Joliet, IllSanders Bros. |
| WKBE | 231 | 1300 | 100 | Webster, MassK. & B. Electric Co., |
| WKBG | 215.7 | 1390 | 100 | Chicago, IllC. L. Carrell |
| WEDO | 326- | 710 | 1000 | |
| WKRC | 422.3 | 710 | 1000 | Cincinnati, OhioKodel Radio Corp. |
| WKY | 275 | 1090 | 100 | Oklahoma City, OklaE. C. Hull & H. S. Richards. |
| WLAL | 250 | 1200 | 100 | Tulsa, Okla1st Christian Church |
| WLAP | 275 | 1090 | 20 | Louisville, KyW. V. Jordan |
| WLB | 278 | 1080 | 500 | Minneapolis, MinnUniversity of Minn. |
| WLBL | 278 | 1080 | 500 | Stevens Pt. WisWis. Dept. of Markets |
| WLIB | 302.8 | 990 | 4000 | Elgin-Chicago, IllLiberty Weekly, Inc. |
| WLIT | 394.5 | 760 | 500 | Philadelphia, PaLit Brothers |

| Station | Meters | К. С. | Watts | Location and Owner |
|-------------|--|--------------|-------------------|--|
| WLS | 344.6 | 870 | 5000 | Chicago-Crete, IllSears, Roebuck Co. |
| WLSI | 440.9 | 680 | 500 | Providence, R. ILincoln Studios, Inc. |
| WLTS | 258 | 1160 | 100 | Chicago, IllLane Technical High School |
| WLW | 422.3 | 710 | 5000 | Cincinnati, OhioCrosley Radio Corp. |
| WLWL | | 1040 | 3500 | New York, N. YPaulist Fathers |
| WMAC | | 1090 | 100 | Cazenovia, N. YC. B. Meredith |
| WMAF | | 680 | 1000 | Dartmouth, MassRound Hills Radio Corp. |
| WMAK | 266 | 1130 | 500 | Lockport, N. Y Norton Laboratory |
| WMAL | 212.6 | 1410 | 100 | Washington, D. CLeese Optical Co. |
| WMAN | 278 | 1080 | 50 | Columbus, OhioHeskitt Radio Station |
| WMAQ | 447.5 | 670 | 1000 | Chicago, IllChicago Daily News |
| WMAY | 248 | 1210 | 100 | St. Louis, MoKings Highway Pres. Ch. |
| WMAZ | 261 | 1150 | 500 | Macon, GaMercer University |
| WMBB | 250 | 1200 | 500 | Chicago, IllAm. Bond & Mortgage Co. |
| WMBC | 256 | 1170 | 100 | Detroit, MichMichigan Broadcasting Co. |
| WMBF | 384.4 | 780 | 500 | Miami Beach, FlaFleetwood Hotel |
| WMC | 499.7 | 600 | 500 | Memphis, TennThe Commercial Appeal |
| WMCA | | 880 | 500 | Hoboken, N. JHotel McAlpine |
| WNAB | | 1200 | 100 | Boston, MassShepard Stores |
| WNAC | 280.2 | 1070 | 500 | Boston, MassShepard Stores |
| WNAD | 254 | 1180 | 500 | Norman, OklaUniversity of Oklahoma |
| WNAL | 258 | 1160 | 50 | Omaha, NebrOmaha Central High School |
| WNAT | 250 | 1200 | 100 | Philadelphia, PaLenning Bros. Co. |
| WNAX | 244 | 1230 | 100 | Yankton, S. DDakota Radio App. Co. |
| WNBH WNJ | 247.8 | 1210 1190 | $\frac{250}{150}$ | New Bedford, MassNew Bedford Hotel |
| WNOX | $\begin{array}{c} 252\\ 267.7 \end{array}$ | 1120 | 100 | Newark, N. JRadio Shop Knoxville, TennPeoples Tel. and Tel. Co. |
| WNYC | 526 | 570 | 1000 | New York, N. YMunicipal Station |
| WOAI | 394.5 | 760 | 2000 | San Antonio, TexasS. E. Equipment Co. |
| WOAN | 282.8 | 1060 | 500 | Lawrenceburg, TennVaughan Con. of |
| | 101.0 | 1000 | 000 | Music. |
| WOAW | 526 | 570 | 1000 | Omaha, NebrWoodmen of the World |
| WOAX | 240 | 1250 | 500 | Trenton, N. JF. J. Wolff |
| WOC | 483.6 | 620 | 5000 | Davenport, IowaPalmer School of Chiro. |
| WOCL | 275.1 | 1090 | 15 | Jamestown, N. YHotel Jamestown |
| WODA | 224 | 1340 | 250 | Paterson, N. JO'Dea Radio & Vietrola Shop |
| WOI | 270 | 1110 | 750 | Ames, Iowa Iowa State College |
| WOK | 217.3 | 1380 | 5000 | Homewood, IllNeutrowound Radio Mfg. Co. |
| WOKO | 233 | 1290 | 50 | New York, N. YOtto Baur |
| WOO | 508.2 | 590 | 500 | Philadelphia, PaJohn Wanamaker |
| WOOD | 241.8 | 1240 | 500 | Grand Rapids, MichGrand Rapids Radio Co. |
| WOQ | 278 | 1080 | 1000 | Kansas City, MoUnity Sch. of Christianity |
| WOR | 405.2 | 740 | 500 | Newark, N. JL. Bamberger and Co. |
| WORD | 275 | 1090 | 5000 | Batavia, IllPeople's Pulpit Ass'n. |

| Station | Meters | К. С. | Watts | Location and Owner |
|---------|------------|-------|-------|---|
| WOS | 440.9 | 680 | 500 | Jefferson City, MoMo. State Marketi'g Bur. |
| WOWL | 270 | 1110 | 10 | New Orleans, LaOwl Battery Co. |
| wowo | | 1320 | 500 | Ft. Wayne, IndMain Auto Supply Co. |
| WPAK | 275 | 1090 | 50 | Agri. College, N. DN. D. Agri. College |
| WPCC | 258 | 1160 | 500 | Chicago, IllN. Shore Congregational Ch. |
| WPDQ | 205.4 | 1460 | 50 | Buffalo, N. YH. L. Turner |
| WPG | 299.8 | 1000 | 500 | Atlantic City, N. JMunicipality of Atlantic |
| | | 1000 | 000 | City. |
| WPRC | 215.7 | 1390 | 100 | Harrisburg, PaWilson Ptg. & Radio Co. |
| WPSC | 261 | 1150 | 500 | State College, PaPenn State College |
| WQAA | 220 | 1360 | 500 | Parkersburg, PaH. A. Beale, Jr. |
| WQAC | 234 | 1280 | 100 | Amarillo, TexasGish Radio Service |
| WQAE | 246 | 1220 | 50 | Springfield, VtMoore Radio News Sta. |
| WQAM | 263 | 1140 | 100 | Miami, FlaElectric Equipment Co. |
| WQAN | 250 | 1200 | 100 | Scranton, PaThe Scranton Times |
| WQAO | 360 | 830 | 100 | New York, N. Y Calvary Baptist Church |
| WQJ | 447.5 | 670 | 500 | Chicago, IllCalumet Rainbo Brdcstg. Co. |
| WRAF | 224 | 1340 | 100 | Laporte, IndRadio Club, Inc. |
| WRAK | 256 | 1170 | 100 | Escanaba, MichEconomy Light Co. |
| WRAM | 244 | 1230 | 100 | Galesburg, IllLombard College |
| WRAV | 263 | 1140 | 100 | Yellow Springs, OhioAntioch College |
| WRAW | 238 | 1260 | 10 | Reading, PaAvenue Radio Shop |
| WRAX | 268 | 1120 | 500 | Gloucester City, N. JFexon's Garage |
| WRBC | 278 | 1080 | 500 | Valparaiso, IndImmanuel Lutheran Ch. |
| WRC | 468.5 | 640 | 1000 | Washington, D. CRadio Corp of America |
| WRCO | 252 | 1190 | 100 | Raleigh, N. CWynne Radio Co. |
| WREC | 254 | 1180 | 10 | Coldwater, MissWooten's Radio Shop |
| WREO | 285.5 | 1050 | 500 | Lansing, MichReo Motor Co. |
| WRHF | 256 | 1170 | 50 | Washington, D. C Wash. Radio Hosp. Fund |
| WRHM | 252 | 1190 | 50 | Minneapolis, MinnRosedale Hospital |
| WRK | 270 | 1110 | 100 | Hamilton, OhioDoron Bros. Elec. Co. |
| WRM | 273 | 1100 | 500 | Urbana, IllUniversity 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, TexasCity of Dallas |
| WRST | 215.7 | 1390 | 250 | Bay Shore, N. YRadiotel Mfg. Co. |
| WRVA | 256 | 1170 | 1000 | Richmond, VaLarus & Bros. Co. |
| WRW | 273 | 1100 | 500 | Tarrytown, N. YTarrytown Research Lab. |
| WSAI | 325.9 | 920 | 5000 | Cincinnati, OhioU. S. Playing Card Co. |
| WSAJ | 229 | 1310 | 250 | Grove City, PaGrove City College |
| WSAN | 229 | 1310 | 100 | Allentown, PaAllentown Call |
| WSAR | 254.1 | 1180 | 100 | Fall River, Mass. Doughty & Welch Elec. Co. |
| WSAX | 268 | 1120 | 100 | Chicago, IllZenith Radio Corp. |
| WSAZ | 244 | 1230 | 50 | Pomeroy, OhioChase Electric Shop |
| | | | | |

| Station | Meters | К. С. | Watts | Location and Owner |
|----------------|--|--------------------|--|---|
| WSB | 428.3 | 700 | 1000 | Atlanta, GaThe Atlanta Journal |
| WSBC | 209.7 | 1430 | 1000 | Chicago, IllWorld Battery Co. |
| WSBF | 273 | 1100 | 250 | St. Louis, MoStix Baer and Fuller |
| WSBT | 275 | 1090 | 250 | South Bend, IndSouth Bend Tribune |
| WSDA | 263 | 1140 | 250 | New York, N. Y_Seventh Day Adventist Ch. |
| WSKC | 261 | 1150 | 100 | Bay City, MichWorld's Star Knitting Co. |
| WSM | 282.8 | 1060 | 1000 | Nashville, TennNat'l. Life and Accident |
| | | | | Ins. Co. |
| WSMB | 319 | 940 | 500 | New Orleans, LaSaenger Amusement Co. |
| WSMH | 240 | 1250 | 20 | Owosso, MichShattuck Music House |
| WSMK | 275 | 1090 | 500 | Dayton, OhioS. M. K. Radio Corp. |
| WSOE | 246 | 1220 | 500 | Milwaukee, WisSchool of Engineering |
| WSRO | 252 | 1190 | 100 | Hamilton, OhioH. W. Fahlander |
| WSSH | 260.7 | 1150 | 100 | Boston, MassTremont Temple Baptist Ch. |
| WSUI | 483.6 | 620 | 500 | Iowa City, IowaState Univ. of Iowa |
| WSVS | 218.8 | 1370 | 50 | Buffalo, N. YSeneca Vocational School |
| WSWS | 275.1 | 1090 | 1000 | Woodale, IllS. W. Straus and Co. |
| WTAB | 266 | 1130 | 100 | Fall River, MassFall River Daily Herald |
| WTAD | 236 | 1270 | 50 | Carthage, IllR. E. Compton |
| WTAG | 268 | 1120 | 500 | Worcester, MassTelegram Pub. Co. |
| WTAL | 252 | 1190 | 10 | Toledo, OhioToledo Radio & Elec. Co. |
| WTAM | | 770 | 3500 | Cleveland, Ohio_Willard Storage Battery Co. |
| WTAP | 242 | 1240 | 50 | Cambridge, IllCambridge Radio Elec. Co. |
| WTAQ | 254.1 | 1180 | 100 | Osseo, WisS. Van Gordon & Sons |
| WTAR | 261 | 1150 | 100 | Norfolk, VaReliance Radio & Elec. Co. |
| WTAW | | 1110 | 500 | College Station, Texas_Agri. & Mech. Col. |
| WTAX | | 1300 | 50 | Streator, IllWilliams Hardware Mfg. Co. |
| WTAZ | 261 | 1150 | 15 | Lambertville, N. JT. J. McGuire |
| WTIC | 475.9 | 630 | 500 | Hartford, ConnTravelers Insurance Co. |
| WWAD | | 1200 | 250 | Philadelphia, PaWright & Wright, Inc. |
| WWAE | | 1240 | 500 | Plainfield, IllElectric Park |
| WWAC | | 1140 | 250 | Houghton, MichMichigan College of Mines |
| WWGL | | 1410 | 500 500 | Richmond Hill, N. YRadio Eng. Corp. |
| W W I W W J | $\begin{array}{c} 266\\ 352.7 \end{array}$ | $\frac{1130}{850}$ | $\begin{array}{c} 500 \\ 1000 \end{array}$ | Dearborn, MichFord Motor Co. |
| wwj WWL | 352.7 275 | $\frac{850}{1090}$ | 1000 | Detroit, MichThe Detroit News |
| W W L | 270 | 1090 | 100 | New Orleans, LaLoyola University |

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FOREIGN BROADCASTING STATIONS

CANADIAN BROADCASTING STATIONS

| | 571 A | 17 0 | Watts | Location and Owner |
|-----------------|--------|-------|-------|---|
| Station | | K. C. | 500 | Colgory AlbertaThe Calgary Herald |
| CFAC | 434.5 | 690 | 500 | Toronto Ont Star Publishing & rug. 00. |
| CFCA | 356.9 | 840 | | Montrool Quebec Canadian Marcon Co. |
| CFCF | 410.7 | 730 | 1650 | Incruois File Ont. Abitibi Pow. & Paper Co. |
| CFCH | 499.7 | 600 | 250 | Edmonton AlbertaRadio Supply Co. |
| CFCK | 516.9 | 580 | 100 | Calgary, AlbertaW. W. Grant, Ltd. |
| CFCN | 434.5 | 690 | 1800 | Manager B C Sprott Shaw Radio Co. |
| \mathbf{CFCQ} | 410.7 | 730 | 5 | George W. Deavine |
| \mathbf{CFCT} | 329.5 | 910 | 500 | TT-milton Ont Jack V. Emot, Loui |
| CFCU | 340.7 | 880 | 500 | Charlottetown, P. E. I. The Island Radio Co. |
| \mathbf{CFCY} | 312.3 | 960 | 50 | Vancouver, B. CWestern Auto Elec. Co. |
| \mathbf{CFDC} | 410.7 | 730 | 10 | Thorold, OntD. J. Fendell |
| CFKC | 247.8 | 1210 | 75 | Kingston, OntMonarch Battery Co. |
| CFMC | 267.7 | 1120 | 20 | Saskatoon, SaskThe Electric Shop |
| CFQC | 329.5 | 910 | 500 | Saskatoon, SaskQueen's University Kingston, OntQueen's University |
| CFRC | 267.7 | 1120 | 500 | N. Westminster, B. C. Westminster Trst Co. |
| CFXC | 291.1 | 1030 | 20 | N. Westminster, B. CCommercial Radio, Ltd. Burnaby, B. CCommercial Radio, Ltd. |
| CFYC | 410.7 | 730 | 500 | Hamilton, OntThe Hamilton Spectator |
| CHCS | 340.7 | 880 | 10 | Hamilton, OntIne Hamilton Special A |
| CHIC | 356.9 | 840 | 500 | Toronto, OntNorthern Electric Co. |
| CHNC | 356.9 | 840 | 500 | Toronto, OntToronto Radio Research Soc. |
| CHSC | 359.9 | 840. | 250 | Unity, SaskH. N. Stovin |
| CHUC | 329.5 | 910 | 50 | Saskatoon, SaskInt'l. Bible Students Ass'n. |
| CHXC | | 690 | 250 | Ottawa, OntJ. R. Booth, Jr. |
| CHYC | | 730 | 850 | Montreal, QueNorthern Electric Co. |
| CJBC | 356.9 | 840 | 500 | Toronto, OntJarvis Street Baptist Church |
| CJCA | | | 500 | Edmonton, AltaEdmonton Journal, Ltd. |
| CJCD | 356.9 | | 50 | mananto Ont |
| CJGC | 329.5 | | 50 | T I Ont London Free Fress 1 18. 00. |
| CJKC | _ | | 500 | Down aby B C Pyramid Temple Society |
| CJSC | 356.9 | | 500 | |
| CJWC | | | 250 | Gaskaton Sask Wheaton Electric Co. |
| CJYC | | | . 500 | a fail Stat Mile Deporest Raulo Ourp. |
| CKA | | | 1200 | Montreal, QueLaPresse Publishing Co. |
| CKCI | - | | 1000 | TT D C Vanevr Hally HUVIDENCO |
| CKCH | - | | 500 | D the Goal Leader Fublishing Con |
| CKCI | | - | | The Dominion Dattery Co. |
| CKC | | | | Ur. G. M. Geldere |
| CKC | | - | | Burketon Junction, OntCanadian Broad |
| OVO | 020. | | | agating Corn |
| CKF | C 410. | 7 730 | 50 | Vancouver, B. C1st Congregational Ch. |

| Stat | ion | Meters | к. с. | Watts | Location and Owner |
|------|---------------|--------|-------|-------|---|
| CKI | NC | 356.9 | 840 | 500 | Toronto, OntCanadian Nat. Carbon Co. |
| CK | oc | 340.7 | 880 | 50 | Hamilton, OntWentworth Radio Supply Co. |
| CK | Y | 384.4 | 780 | 400 | Winnipeg, ManManitoba Tel. System |
| CN | RA | 312.3 | 960 | 500 | Moncton, N. BCanadian Nat'l. Rys. |
| CN | RC | 434.5 | 690 | 750 | Calgary, AltaCanadian Nat'l. Rys. |
| CN | \mathbf{RE} | 516.9 | 580 | 500 | Edmonton, AltaCanadian Nat'l. Rys. |
| CN | RM | 410.7 | 730 | 1000 | Montreal, QueCanadian Nat'l. Rys. |
| | | | | 1650 | |
| CN | RO | 434.5 | 690 | 500 | Ottawa, OntCanadian Nat'l. Rys. |
| CN | RR | 312.3 | 960 | 500 | Regina, SaskCanadian Nat'l. Rys. |
| CN | \mathbb{RS} | 329.5 | 910 | 500 | Saskatoon, SaskCanadian Nat'l. Rys. |
| CN | \mathbf{RT} | 356.9 | 840 | 500 | Toronto, OntCanadian Nat'l. Rys. |
| CN | RV | 291.1 | 1030 | 500 | Vancouver, B. CCanadian Nat'l. Rys. |
| CN | RW | 384.4 | 780 | 500 | Winnipeg, ManCanadian Nat'l. Rys. |
| | | | | | |

CUBAN BROADCASTING STATIONS

| Station PWX | Meters 400 | к. с. | Watts 500 | Location and Owner HabanaCuban Telephone Co. |
|----------------|---------------|-------|--------------|---|
| 2FP | 355 | | 400 | El Pais, Habana |
| 2HP | 295 | | 100 | HabanaCreditory Construcciones Co. |
| 20K | 360 | | 100 | HabanaMario Garcia Velez |
| 20L | 300 | | 100 | HabanaOscar Collado Orta |
| 6BY | 300 | | 100 | CienfuegosJose Ganduxe |
| 6JK | 275 | | 100 | Central TuincuFrank H. Jones |
| | | | 100- | |
| 6KW | 340 | | 4000 | Central TuincuFrank H. Jones |
| 7SR | 350 | | 500 | CanqueySalvador Rionda |
| 8BY | 250 | | 100 | SantiagoAlberto Ravelo |
| | | | | |

MEXICAN BROADCASTING STATIONS

| Signal | Meters | Watts | Location and Owner |
|-------------|--------|-------|---|
| CYA | 300 | 500 | Mexico CityElfrion R. Gomez |
| CYB | 275 | 500 | Mexico CityJose J. Reynosa-El Buen Tono |
| CYL | 400 | 500 | Mexico CityRaoul Azcarraga-Universal-Casa del |
| 011 | | | Radio. |
| CYX | 325 | 500 | Mexico CityEl Excelsior-Parker |
| CZE | 350 | 500 | Mexico CityDepartmente de Educacion |
| FAM | 490 | 1000 | GuadalajaraFederal Military Command |
| F AM | 450 | 1000 | Guadalajara================================= |

ARGENTINA

| LOR 3 | | | Buenos AiresCia Radio Argentina |
|-------|-----|------|------------------------------------|
| LOV | 350 | 1000 | Buenos AiresF. J. Brusa |
| LOW | 325 | 1500 | Buenos AiresGrand Splendid Theatre |

AUSTRALIA

| Signal 2BL 2FC 3AR 5CL | Meters 350 1110 480 395 | Watts 5000 5000 1600 5000 | Location and Owner SydneyBroadcasters Ltd. SydneyFarmer & Co. MelbourneAssociated Radio Co. AdelaideCentral Broadcasters |
|------------------------------------|--|--|--|
| | | | BELGIUM |
| | 265 | 1500 | Brussels Radio-Belgique |
| | | | BRAZIL |
| | | 6000 | Rio de JaneiroMarconi |
| | | | FRANCE |
| FPTT YN | $\begin{array}{c} 458\\ 340\end{array}$ | 500 | Paris Superior School Lyons-la-Doua French Government |
| | | | GERMANY |
| | $505 \\ 418 \\ 288 \\ 280 \\ 470 \\ 463 \\ 454 \\ 485$ | $1500 \\ 1500 \\ 1500 \\ 1500 \\ 1500 \\ 1000 \\ $ | BerlinVox Haus BreslauSchlesiche Rundfunk CasselNitteldeutscher Rundfunk DresdenMitteldeutsche Rundfunk Frankfort-on-MainSudwestdeutsche Rundfunk KonigsbergOstmarken Rundfunk LeipzigMitteldeutsche Rundfunk MunichDeutsche 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 |
| $2 \mathrm{DE}$ | 332 | | Dundee, Scotland |
| 2EH | 326 | | |
| 210 | 365 | 3000 | Edinburgh, Scotland |
| 2ZY | | | London, England |
| | 378 | | Manchester, England |
| 5IT | 480 | | Birmingham, England |
| 5NG | 229 | | Nottingham, England |
| 5NO | 403 | | Newcastle, England |
| 5SC | 422 | | |
| 5WA | | | Glasgow, Scotland |
| | 353 | | Cardiff, Wales |
| 5XX | | 26000 | Cardiff, Wales Daventry, England |
| $6 \mathrm{BM}$ | 386 | | Bournemouth, England |
| 6FL | 302 | | Sheffield, England |
| 6KH | 336 | | |
| 6LV | 314 | | Hull, England |
| | | | Liverpool, England |
| 6ST | 306 | | Stoke-on-Trent, England |

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| Albuquerque, N. M. | W ADC | Day |
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| Altoona Pa | WEDO | Da |
| Amonilla Manage MTD LC | WFDG | Dea |
| Amarino, TexasWDAG | , WQAC | Dec |
| Ames, lowa | WOI | Dee |
| Anchorage, Alaska | KFQD | Der |
| Anita, Iowa | KFLZ | Des |
| Arlington Va | NA A | Det |
| Atlanta Co WCOT WCD | WDDE | Det |
| Atlantia Otta N. T. WODI, WOD | . WDBM | _ |
| Atlantic City, N. JWHA | R, WPG | Esc |
| Auburn, Ala. | WAPI | Eva |
| Austin, Texas | KUT | Eve |
| Avalon, Calif | _KFW0 | Fal |
| Baltimore, Md. WBAL WCAO | WFBR | Fay |
| Bangor Maine | WART | Fli |
| Botovio III | WORD | |
| Datavia, m. | word | Fon |
| Bay City, Mich. | WSKC | For |
| Baysnore, N. Y | $_{-}WRST$ | For |
| Beaumont. Texas | _KFDM | Fre |
| Beeville, Texas | KFRB | Ful |
| Beloit, Wis. | WEBW | Gal |
| Berkeley Calif | KDE | Glo |
| Borrion Springs Mich | WEMO | Caro |
| Dig Door Take Calif | - WEMC | Gra |
| Dig bear Lake, Canr | KFXB | Gra |
| Boise, Idaho | KFAU | Gro |
| Boston, MassWEEI, | WNAC, | Har |
| WBZA, WNAB, WSSH. | | Har |
| Boundbrook, N. J | WJZ | Har |
| Bristow, Okla | KV00 | Has |
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| Brownsville, Texas | KWWG | Hol |
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| Burlington, Vermont | WCAX | Hon |
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| Anchorage, Alaska Anchorage, Alaska Arlington. Va. Atlanta. Ga. WGST, WSB Atlantic City, N. J. WHA Auburn, Ala. Austin, Texas. Avalon, Calif. Baltimore. Md. WBAL, WCAG Bangor. Maine- Batrinore. Md. WBAL, WCAS Barkeley, Calif. Berkeley, Calif. Berkeley, Calif. Berkeley, Calif. Berkeley, Calif. Boston, Mass. Beloit, Wis. Berkeley, Calif. Boston, Mass. WEZA, WNAB, WSSH. Boundbrock. N. J. Brookings, S. D. Brooklyn. N. Y. Brownsville, Texas. Burlington, Vermont. Cazenovia, N. Y. Catanovia, N. Y. Chatanooga, Tenn. Chicago, III. WECK, WPCC, WLS. WSAX. WSBC, WPCC, WLS. WFASA. Sat. Surfalo. Chickasha, Okla. Chickasha, Okla. | -WCAX -WFBI -WCAD -WJAM -WDOD WBBM, WIBO, WEBM, WLIB, WLIB, WLTS, -KOCW | Hon Hot Hou Inde Indi Iow: Itha Jack Jeffe John John Kan |
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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 Gillilaud, 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 134 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 | D No. 1 | ial Settin No. 2 | ng No. 3' |
|----------------|---------------|---|------------|---------------------|--------------|
| 545.1 | 550 | KFUO, KSD | | | |
| 535.4 | 560 | KYW, WHA | 84 | 48 | 5/9 |
| 526 | 570 | WHO, WNYC, WOAW | 8-4 | 86 | |
| 516.9 | 580 | WCX, WJR, CFCK, CJCA, CNRE | 44_ | | 1 |
| 508.2 | 590 | KLX, WIP, WOO | 2%- | -51- | 83 |
| 499.7 | 600 | KFRU, WMC, CFCH | | | |
| 495.1 | 610 | KGW, WEAF | 21_ | 74 | 25- |
| 483.6 | 620 | WOC, WSUI | | | |
| 475.9 | 630 | WBAP, WFAA, WTIC | 65 | 681- | 20 |
| 468.5 | 640 | KFI, WCAP, WRC | 63 | -Le7- | 68 |
| 461.3 | 650 | WCAE | | | |
| 454.3 | 660 | KFOA, KTW, WJZ | 5.6 | 63- | 63. |
| 447.5 | 670 | WMAQ, WQJ | | | |
| 440.9 | 680 | WOS, KLDS, WDWF, WLSI, WMAF | 58 | -60- | 60 |
| 434.9 | 690 | NAA, CFAC, CFCN, CHXC, CKCO, CNRC, CNRO | 51 | .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 | 43 | 49 | 48 |
| 394.5 | 760 | WFI, WLIT, WOAI | | 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 | 3%- | 43 | 43 |
| 374.8 | 800 | KTHS, KVOO | ThL | A | |
| 370.2 | 810 | WEBH, WJJD | _23_ | 27 | 267 |
| 365.6 | 820 | WDAF, WHB | | | |

29

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| Wave | Freq. | | Dia | al Settin | g |
|--------|-------|--|-------|-----------|--------|
| Length | | Station | No. 1 | No. 2 | No. 3 |
| 361.2 | 830 | KGO, WHN | 34 | -37- | 37 |
| 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 | 121 | | 50 |
| 315.6 | 950 | KFDM, KPSN, WAHG, WGBS_ | 26 | -27- | _0_9 |
| 312.3 | 960 | CKCK, CNRA, CNRR | 0 | | 501 |
| 309.1 | 970 | KDKA | -25 | 28 | Gal- |
| 305.9 | 980 | KTCL, WJAR | 2-5- | _2_5 | 28- |
| 302.8 | 990 | WGN, WLIB | -511 | 27 | 29 |
| 299.8 | 1000 | KSL, KUOA, WPG | -4-7- | -4-+- | 4-6- |
| 296.9 | 1010 | KPRC | 115 | | Ud |
| 293.9 | 1020 | KTBI, WAIU, WEAO | 43 | -4-2 | |
| 291.1 | 1030 | CJYC | | | -10.55 |
| 288.3 | 1040 | KFKX, WLWL | | 24 | 24 |
| 285.5 | 1050 | WEMC, WKAR, WREO | 10 | -6 | |
| 282.8 | 1060 | WOAN, WSM | 18 | 22 | 22 |
| 280.2 | 1070 | KFAU, KMOX, KOAC, WNAC_ | | 120 | 20 |
| 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 | Di No. 1 | ial Setti No. 2 | ng No. 3 | |
|----|----------------|---------------|--|-------------|--------------------|-------------|--|
| | 273 | 1100 | KFAD, KFDY, KFIZ, KFLZ, KHQ, WBAA, WBBR, WDAE, WEBJ, WFBH, WHK, WIL, WRM, WRW, WSBF | | 21 | | |
| | 270 | 1110 | KFBU, KGU, WBAO, WDBE, WEAN, WGHP, WGST, WJAG, WJBL, WOI, WRK, WTAW | | 20 | | |
| ~ | 267.7 | 1120 | KFEQ, KFH, WDRC, WEBW, WFBM, WJAM, WJBO, WNOX, WRAX, WSAX, WTAG, CFRC | | | -642 | |
| | 266 | 1130 | KFIO, KFPY, KLZ, WBCN, WENR, WGHB, WHAV, WMAK, WTAB, WWI, CNRV | 13 | _1.2 | 19 | |
| | 263 | 1140 | KFNF, KFQB, WBPI, WCAO, WCAR, WDAG, WGWY, WQAM, WRAV, WSDA, WWAO | ř = = 5 = | | | |
| | 261 | 1150 | KFJF, KFMR, KFQA, KFUI, KFWA, KWKH, WABQ, WARC, WEAM, WKAF, WMAZ, WPSC, WSKC, WSSH, WTAR | 15 | | 1.83 | |
| | 258 | 1160 | KOCH, WADC, WHEC, WLTS, WPCC, WRNY | | .18 | / | |
| ٩. | 256 | 1170 | KFIQ, KOWW, KRE, KTNT, WBAX, WBDC, WCSH, WDOD, WHBP, WMBC, WRAK, WRVA | 16 | 18 | 18 | |
| | 254 | 1180 | KFLR, KFWH, KUSD, WCAJ, | 15 | , | 15/ | |
| | 252] | 1190 | KFWB, KMA, KOCW, WFBL, WGBX WGCP WMAC WNI | 12 | | 17 | |
| | 249.9 1 | 1200 | KFDX, KFXF, KLS, KMO, WCAX, WGES, WIAD, WLAL, WMBB, WNAB, WNAT, WQAN, WWAD | | | | |
| | 247.8 1 | 210 | KFBK, KFIF, KFOX, KFRB, WAPI WCSO WEW WIOD | | 12 | 12 | |
| | | | | | | | |

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| Wave | Freq. | | Di | ial Setti | ng |
|--------|--------|--|------|-----------|-------|
| Length | n Kilo | Station | | | No. 3 |
| 246 | 1220 | KFVW, WABX, WBAL, WRR, WSOE | 1Š | 15 | 16 |
| 244 | 1230 | KUOM, WAMD, WATT, WEBR, WGBB, WNAX, WRAM | | | |
| 242 | 1240 | KSO, WBZA, WEBC, WOOD, WWAE | -\$ | _)/ | 1/ |
| 240 | 1250 | KFVE, KFUM, KTAB, KZM, WABI, W D B O, W H A P, WOAX | | | 14 |
| 238 | 1260 | KFCB, KFWU, KMTR, WBBT, WHT | | | |
| 236 | 1270 | KFOO, KWKC, WBOQ, WCBQ, WFBI, WFBJ, WGBF, WGNU, WIBA, WRMU | | Ś | |
| 234 | 1280 | WFDF, WJBC, WQAC | | | ÷== |
| 233 | 1290 | KFON | | | |
| 231 | 1300 | KFPR, KQW, KUT, WBRE, WKBE | | 6 | |
| 228.9 | 1310 | KFLV, KMMJ, WBBL, WSAJ, WSAN | | | |
| 227.1 | 1320 | KFQD, WDBK, WOWO | | | |
| 226 | 1330 | KFOR, KFWI, WBBM, WDAD, WEBL, WIBO | -1a- | 10_ | 12 |
| 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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The Crosley 5-tube-5-38

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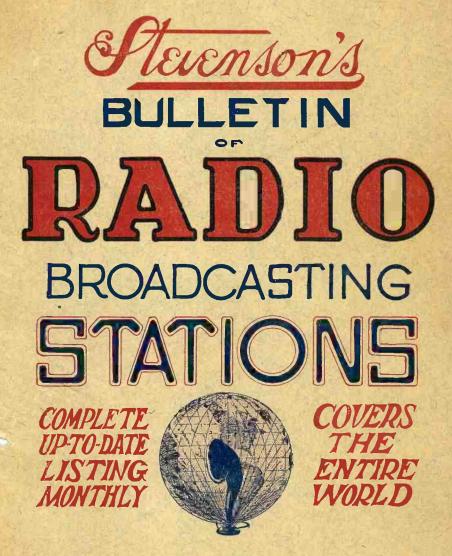
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SENATOR DILL ADVOCATES EXTENSION OF BROADCASTING BAND

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.

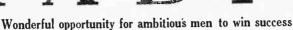
To put broadcasting stations in the band between 150 and 200 meters would mean, of course, that the amateurs would be deprived of these channels. I have the greatest admiration for these radio pioneers and predict they would cheerfully give up the 150-200 meter band to the greater service of the public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

3

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salary."

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4

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 electromagetic 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 wire-less 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.

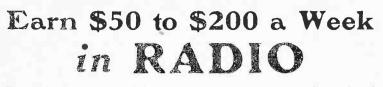
1879. Hughes discovered the phenomena on which depend the action of coherer. The coherer was later used practically by Marconi.

1380. 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)



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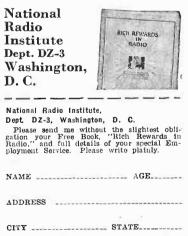
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BROADCASTING STATION NOTES

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 sixwire 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 Gretchaninnoff, 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.

1

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:

| KLO M | Colorado Springs, Colo. | WJBU | Lewisburg, Pa. |
|--------------|-------------------------|------|--------------------|
| | Santa Maria, Calif. | | Minneapolis, Minn. |
| WJBR | Omro, Wis. | | Escanaba, Mich. |

Five stations were discontinued. They follow:

| KFVHManhattan, Kans.WDBCLandKDZBBakersfield, Calif.WHBKEllsvKUOSan Francisco, Calif. | worth, Maine. |
|--|---------------|
|--|---------------|

2

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.

2

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

| | | | CYTATES | MICAN STATIONS |
|---------|--------|-----------------|---------|--|
| Station | Meters | Kilo- cycles | Watts | Location and Owner |
| KDKA | | | 10000 | Pittsburgh, PaWestinghouse E. & M. Co. |
| KDLR | 231 | 1300 | 5 | Devils Lake, N. DRadio Elec. Co. |
| KDYL | 246 | 1220 | 50 | Salt Lake City, UtahNewhouse Hotel |
| KFAB | 340.7 | 880 | 1000 | Lincoln, NebNebraska Buick Auto Co. |
| KFAD | 273 | 1100 | 100 | Phoenix, ArizElectrical Equipment Co. |
| KFAF | 217.3 | 1380 | 50 | San Jose, CalifA. E. Fowler |
| KFAU | 280.2 | 1070 | 750 | Boise, IdahoInd. School Dist. of Boise |
| KFBB | 275 | 1090 | 50 | Havre, MontF. A. Buttrey Co. |
| KFBC | 215.7 | 1390 | 50 | San Diego, CalifW. K. Azbill |
| KFBK | 248 | 1210 | 100 | Sacramento, CalifKinball Upson Co. |
| KFBL | 224 | 1340 | 100 | Everett, WashLeese Bros. |
| KFBS | 238 | 1260 | 15 | Trinidad, ColoSchool Dist. No. 1 |
| KFBU | 270 | 1110 | 500 | Laramie, WyoBishop N. S. Thomas |
| KFCB | 238 | 1260 | 100 | Phoenix, ArizNeilson Radio Co. |
| KFDD | 278 | 1080 | 50 | Boise, IdahoSt. Michaels Cathedral |
| KFDM | 315.6 | 950 | 500 | Beaumont, TexasMagnolia Pet Co. |
| KFDX | 250 | 1200 | 100 | Shreveport, La1st Baptist Church |
| KFDY | 273 | 1100 | 100 | Brookings, S. DState College of Agri. |
| KFDZ | 231 | 1300 | 10 | Minneapolis, MinnH. O. Iverson |
| KFEC | 248 | 1210 | 50 | Portland, OregMeier & Frank Co. |
| KFEL | 254 | 1180 | 50 | Denver, ColoWinner Radio Corp. |
| KFEQ | 267.7 | 1120 | 500 | Oak, NebrJ. L. Scroggin |
| KFEY | 233 | 1290 | 10 | Kellogg, Idaho Bunker Hill & Sullivan |
| KFFP | 242 | 1240 | 50 | Moberly, Mo1st Baptist Church |
| KFGQ | 226 | 1330 | 10 | Boone, IowaCrary Co. |
| KFH | 267.7 | 1120 | 500 | Wichita, KansHotel Lassen |
| KFHA | 252 | 1190 | 50 | Gunnison, ColoWestern State College |
| KFHL | 240 | 1250 | 10 | Oskaloosa, IowaPenn College |
| KFI | 468.5 | 640 | 4000 | Los Angeles, CalifE. C. Anthony, Inc. |
| KFIF | 248 | 1210 | 100 | Portland, OregBenson Institute |
| KFIO | 266 | 1130 | 100 | Spokane, WashNorth Central H. School |
| KFIQ | 256 | 1170 | 100 | Yakima, Wash1st Methodist Church |
| KFIU | 226 | 1330 | 10 | Juneau, AlaskaAlaska Elec. Co. |
| KFIZ | 273 | 1100 | 100 | Fond du Lac, WisDaily Commonwealth |
| KFJB | 248 | 1210 | 10 | Marshalltown, IowaMarshall Elec. Co. |
| KFJC | 218.8 | 1370 | 10 | Junction City, KansR. B. Fegan |
| KFJF | 261 | 1150 | 500 | Oklahoma City, OklaNational Radio Co. |
| KFJI | 246 | 1220 | 10 | Astoria, OregLiberty Theatre |

| ~ | Mahann | K. C. | Watts | Location and Owner |
|-----------------|-----------|-------|-------|--|
| Station | Meters | | | Grand Forks, N. DUniversity of N. D. |
| KFJM | 278 | 1080 | 100 | Portland, OregAshley C. Dixon & Son |
| KFJR | 263 | 1140 | 50 | Ft. Dodge, IowaTunwall Radio Co. |
| KFJY | 246 | 1220 | 50 | Ft. Worth, Tex. S. W. Bapt. Theo. Seminary |
| \mathbf{KFJZ} | 254 | 1180 | 50 | Greeley, ColoState Teachers College |
| KFKA | 273 | 1100 | 50 | Lawrence, KansUniversity of Kansas |
| KFKU | 275 | 1090 | 500 | Lawrence, KansUniversity of Kansas |
| KFKX | 288.3 | 1040 | 5000 | Hastings, NebrWestinghouse E. & M. Co. |
| KFKZ | 226 | 1330 | 10 | Kirksville, MoF. M. Henry |
| KFLR | 254 | 1180 | 100 | Albuquerque, N. MexUniversity of N. M. |
| KFLU | 236 | 1270 | 10 | San Benito, Texas_San Benito Radio Club |
| KFLV | 229 | 1310 | 100 | Rockford, IllSwedish Evangelist Church |
| KFLX | 240 | 1250 | 10 | Galveston, TexasGeorge R. Clough |
| KFLZ | 273 | 1100 | 100 | Anita, IowaAtlantic Auto Co. |
| KFMR | 261 | 1150 | 100 | Sioux City, IowaMorningside College |
| KFMW | 263 | 1140 | 50 | Houghton, Mich M. G. Sataren |
| KFMX | 336.9 | 890 | 500 | Northfield, MinnCarleton College |
| KFNF | 263 | 1140 | 1000 | Shenandoah, IowaHenry Field Seed Co. |
| KFOA | 454.3 | 660 | 1000 | Seattle, WashRhodes Company |
| KFOB | 225.4 | 1330 | 50 | Burlingame, CalifKFOB, Inc. |
| KFON | 233 | 1290 | 500 | Long Beach, CalifEchophone Radio Shop |
| KF00 | 236 | 1270 | 250 | Salt Lake City, Utah_Latter Day Saints Univ. |
| KFOR | 226 | 1330 | 100 | David City, NebDavid City Tire & Elec. Co. |
| KFOT | 231 | 1300 | 50 | Wichita, KansCollege Hill Radio Club |
| KFOX | 248 | 1210 | 100 | Omaha, NebrTechnical High School |
| KFOY | 252 | 1190 | 50 | St. Paul, MinnBeacon Radio Service |
| KFPL | 252 | 1190 | 15 | Dublin, TexasC. C. Baxter |
| KFPM | 242 | 1240 | 10 | Greenville, TexasNew Furniture Co. |
| KFPR | 231 | 1300 | 500 | Los Angeles, CalifForestry Department |
| KFPW | 258 | 1160 | 20 | Carterville, MoSt. John's Church |
| KFPY | | 1130 | 100 | Spokane, WashSymonds Investment Co. |
| KFQA | | 1150 | 100 | St. Louis, MoThe Principia |
| KFQB | | 1140 | 1000 | Ft. Worth, TexSearchlight Publish'g Co. |
| KFQD | | 1320 | 100 | Anchorage, AlaskaChovin Sup. Co. |
| KFQP | | 1340 | 10 | Iowa City, IowaG. S. Carson, Jr. |
| KFQU | | 1380 | 100 | Holy City, CalifW. C. Riker |
| KFQW | | 1390 | 50 | North Bend, WashC. F. Knierim |
| KFQZ | | 1330 | 50 | Hollywood, Calif Taft Products Co. |
| KFRB | | 1210 | 250 | Beeville, TexasHall Bros. |
| KFRC | | 1120 | 50 | San Francisco, CalifCity of Paris |
| KFRU | | | 500 | Columbia, MoStephens College |
| KFRW | | | 50 | Olympia, WashUnited Churches |
| KFSG | | 1090 | 500 | Los Angeles, CalifEcho Park Evang. Ass'n. |
| KFUL | | 1160 | 50 | Galveston, TexasT. Googan & Bro. |
| KFUM | | | 100 | Colorado Springs, ColoW. D. Corley |
| KFU0 | | | 500 | St. Louis, MoConcordia Theo. Seminary |
| tri. 0.0 | V + V 1 4 | | 010 | - |

| Station | 1 Meters | K. C. | Watts | Location and Owner |
|---------|----------|----------------|-------------------|--|
| KFUF | 234 | 1280 | 50 | Denver, ColoFitzsimons General Hospital |
| KFUR | 224 | 1340 | | Orden Utah |
| KFUS | 256 | 1170 | 50 | Ogden, UtahPeery Building Co. |
| KFUT | | 1150 | 100 | Oakland, CalifLouis L. Sherman |
| KFUU | | | 50 | Salt Lake City, UtahUniversity of Utah |
| KFVD | | | 50 | Oakland, CalifColburn Radio Lab. |
| KFVE | | 1250 | 500 | San Pedro, CalifChas. & W. J. McWhinnie |
| KFVG | | | 15 | St. Louis, MoFilm Corporation |
| KFVI | 240 | 1250 | 10 | Independence, KansFirst M. E. Church |
| KFVN | | 1320 | 50 | Houston, Texas56th Cavalry Brigade |
| KFVR | | 1230 | 50 | Welcome, MinnCarl E. Bagley |
| | 511 | 1200 | 50 | Denver, ColoMoonlight Ranch Broadcast- |
| KFVS | 224 | 1340 | 50 | ing Station |
| KFVW | | 1340 1220 | | Cape Girardeau, Mo. C. Girardeau Bat. Sta. |
| KFVY | | 1220 1200 | 500 | San Diego, CalifAirfan Radio Corp. |
| KFWA | | 1200 1150 | $10 \\ 500$ | Albuquerque, N. MexRadio Supply Co. |
| KFWB | | 1190 | 500 500 | Ogden, UtahBrowning Bros. Co. |
| KFWC | | 1420 | 500 50 | Hollywood, Calif. Warner Bros. Pictures, Inc. |
| KFWF | | 1420 1400 | 250 | San Bernardino, CalifL. E. Wall |
| KFWH | | 1180 | $\frac{250}{100}$ | St. Louis, MoSt. Louis Truth Center |
| KFWI | 226 | 1330 | 500 | Chico, CalifF. Wellington Morse, Jr. |
| | 220 | 1000 | 500 | South San Francisco, CalifRadio Enter- |
| KFWM | 206.8 | 1450 | 500 | tainments, Inc. |
| KFWO | | 1430 1420 | $\frac{500}{250}$ | Oakland, CalifOakland Educational Soc. |
| KFWU | | 1420 1260 | $\frac{250}{100}$ | Avalon, CalifLawrence Mott |
| KFWV | | $1200 \\ 1410$ | 50 | Pineville, LaLouisiana College |
| KFXB | 202.6 | $1410 \\ 1480$ | 500 | Portland, OregWilbur Jerman |
| KFXD | 202.0 | $1480 \\ 1460$ | 10 | Big Bear Lake, CalifBertram O. Heller |
| KFXF | 249.9 | 1200 | 500 | Logan, UtahService Radio Co. |
| KFXH | 242 | 1200 1240 | 500 | Colo. Springs, ColoPikes Peak Brdcst'g Co. |
| KFXJ | 215.7 | $1240 \\ 1390$ | 10 | El Paso, TexasBledsoe Radio Co. |
| KFXM | 227 | 1320 | 10 | (Portable), ColoMountain States Radio |
| KFXR | 214.2 | 1320 1400 | 15 | Beaumont, TexasNeches Elec. Co. |
| KFXY | 205.4 | $1400 \\ 1460$ | 15 50 | Okla. City, Okla. Classen Film Finish'g. Co. |
| KFYF | 205.4 | $1400 \\ 1460$ | 10 | Flagstaff, ArizMary M. Costigan |
| KFYJ | 238 | 1260 | 10 | Oxnard, CalifCarl's Radio Den |
| KFYO | 209.7 | 1440 | 10 | Houston, Tex. (Portable)_Houston Chronicle |
| KFYR | 248 | 1440 1210 | 10 | Texarkana, TexasBuchanan Vaughn Co. |
| KGO | 361.2 | 830 | 4000 | Bismarck, N. DakHoskins Meyer, Inc. |
| KGTT | 206.8 | 1450 | 4000 50 | Oakland, CalifGeneral Electric Co. |
| | 200.0 | 1400 | 00 | San Francisco, CalifGlad Tidings Tabernacle. |
| KGU | 270 | 1110 | 500 | adocimacie. |
| KGW | 491.5 | 610 | 500 | Honolulu, HawaiiM. A. Mulrony |
| KGY | 246 | 1220 | | Portland, OregThe Oregonian |
| KHJ | 405.2 | 740 | - | Lacey, WashSt. Martin's College Los Angeles, CalifThe Times |
| | | | | The Times |

| Station | Meters | К. С. | Watts | Location and Owner |
|---------|--------|-------|-------|--|
| KHQ | 273 | 1100 | 500 | Spokane, WashLouis Wasmer |
| KJBS | 220 | 1360 | 5 | San Francisco, CalifJ. Brunton & Sons Co. |
| KJR | 384.4 | 780 | 1000 | Seattle, WashNorthwest Radio Co. |
| KLDS | 440.9 | 680 | 1000 | Independence, MoReorganized Church of |
| | | | | Jesus Christ of Latter Day Saints. |
| KLS | 250 | 1200 | 250 | Oakland, CalifWarner Bros. Radio Co. |
| KLX | 508.2 | 590 | 500 | Oakland, CalifThe Tribune |
| KLZ | 266 | 1130 | 250 | Denver, ColoReynolds Radio Co. |
| KMA | 252 | 1190 | 500 | Shenandoah, IowaMay Seed & Nursery Co. |
| KMJ | 234.2 | 1280 | 50 | Fresno, CalifFresno Bee |
| KMMJ | 228.9 | 1310 | 1000 | Clay Center, NebrM. M. Johnson Co. |
| KMO | 250 | 1200 | 100 | Tacoma, WashLove Elec. Co. |
| KMOX | 280.2 | 1070 | 1500 | St. Louis, MoVoice of St. Louis |
| KMTR | 238 | 1260 | 500 | Los Angeles, CalifOliver S. Garretson & |
| | | | | K. M. Turner. |
| KNRC | 208.2 | 1440 | 250 | Hollywood, CalifC. B. Juneau |
| KNX | 336.9 | 890 | 1000 | Los Angeles, CalifThe Express |
| KOA | 322.4 | 930 | 5000 | Denver, ColoGeneral Electric Co. |
| KOAC | 280.2 | 1070 | 500 | Corvallis, OregOregon Agri. Col. |
| KOB | 348.6 | 860 | 1000 | State College, N. MCollege of Agri. & Mech. Arts. |
| KOCH | 258 | 1160 | 250 | Omaha, NebrOmaha Central High School |
| KOCW | .252 | 1190 | 200 | Chickasha, OklaOkla. College for Women |
| KOIL | 278 | 1080 | 500 | Council Bluffs, IowaMonarch Mfg. Co. |
| KOWW | 256.3 | 1170 | 500 | Walla Walla, WashBlue Mt. Radio Ass'n. |
| KPO | 428.3 | 700 | 1000 | San Francisco, CalifHale Brothers |
| KPPC | 229 | 1310 | 50 | Pasadena, CalifPasadena Pres. Church |
| KPRC | 296.9 | 1010 | 750 | Houston, TexasHouston Printing Co. |
| KPSN | 315.6 | 950 | 1000 | Pasadena, CalifPasadena Star-News |
| KQP | 212.6 | 1410 | 500 | Portland, OregH. B. Read |
| KQV | 275 | 1090 | 500 | Pittsburgh, PaDoubleday Hill Elec. Co. |
| KQW | 231 | 1300 | 500 | San Jose, CalifFirst Baptist Church |
| KRE | 256 | 1170 | 100 | Berkeley, CalifThe Gazette |
| KSAC | 340.7 | 880 | 500 | Manhattan, KansKans. State Agri. Col. |
| KSD | 545.1 | 550 | 500 | St. Louis, Mo The Post Dispatch |
| KSL | 299.8 | 1000 | 1000 | Salt Lake City, UtahRadio Serv. Corp. |
| KSMR | 209.7 | 1430 | 100 | Santa Maria, CalifS. M. Valley R. R. Co. |
| KSO | 242 | 1240 | 500 | Clarinda, IowaA. A. Berry Seed Co. |
| KTAB | 240 | 1250 | 1000 | Oakland, CalifTenth Ave. Bapt. Church |
| KTBI | 293.9 | 1020 | 750 | Los Angeles, Calif Bible Inst., Los Angeles |
| KTBR | 263 | 1140 | 50 | Portland, OregBrown's Radio Shop |
| KTCL | 305.9 | 980 | 1000 | Seattle, WashAm. Radio Tel. Co. |
| KTHS | 374.8 | 800 | 500 | Hot Springs, ArkNew Arlington Hotel |
| KTNT | 256 | 1170 | 500 | Muscatine, IowaN. Baker |
| KTW | 454.3 | 660 | 1000 | Seattle, Wash1st Presbyterian Church |
| | | | | |

| | Station | Meters | К. С. | Watts | Location and Owner |
|---|---------|--------|-------|-------|---|
| | KUOA | _ | 1000 | 750 | Fayettsville, ArkUniversity of Arkansas |
| | KUOM | 244 | 1230 | 250 | Missoula, MontState Univ. of Montana |
| | KUSD | 278 | 1080 | 100 | Vermilion, S. DakUniversity of S. Dak. |
| | KUT | 231 | 1300 | 500 | Austin, TexasUniversity of Texas |
| | KV00 | 374.8 | 800 | 500 | Bristow, OklaVoice of Oklahoma |
| | KWCR | 278 | 1080 | 500 | Cedar Rapids, IowaH. F. Parr |
| | KWG | 248 | 1210 | 50 | Stockton, CalifPortable Wireless Tel. Co. |
| | KWKC | | 1270 | 100 | Kansas City, MoWilson Duncan Studios |
| | KWKH | 261 | 1150 | 500 | Shreveport, LaW. K. Henderson I. W. & |
| | VWGG | 0.40.0 | | | S. CO. |
| | KWSC | 348.6 | 860 | 500 | Pullman, WashState College |
| | KWUC | 252 | 1190 | 50 | Lemars, IowaWestern Union College |
| | KWWG | | 1080 | 500 | Brownsville, TexasCity of Brownsville |
| | KYW | 535.4 | 560 | 3500 | Chicago, IllWestinghouse E. & M. Co. |
| | KZKZ | 270 | 1110 | 100 | Manila, P. IElectric Supply Co |
| | KZM | 240 | 1250 | 100 | Oakland, CalifP. D. Allen |
| | KZRQ | 222 | 1350 | 500 | Manila, P. IFar Eastern Radio Inc |
| | NAA | 435 | 680 | 1000 | Arlington, VaU. S. Navy |
| | WAAD | | 1160 | 25 | Cincinnati, OhioOhio Mech. Institute |
| | WAAF | 278 | 1080 | 200 | Chicago, IllDrovers Journal |
| | WAAW | | 1080 | 500 | Omaha, NebrOmaha Grain Exchange |
| | WABB | 204 | 1470 | 10 | Harrisburg, PaHarrisburg Radio Co |
| | WABC | 254 | 1180 | 20 | Asheville, N. C Asheville Battery Co., Inc. |
| | WABI | 240 | 1250 | 100 | Bangor, MaineFirst Universalist Church |
| | WABO | 278 | 1080 | 100 | Rochester, N. Y Lake Ave. Baptist Church |
| | WABQ | 261 | 1150 | 100 | Haverford, PaHaverford Col. Radio Club |
| | WABR | 263 | 1140 | 50 | Toledo, OhioScott High School |
| | WABW | 206.8 | 1450 | 50 | Wooster, OhioCollege of Wooster |
| | WABX | 246 | 1220 | 500 | Mt. Clemens, MichH. B. Joy |
| | WABY | | 1240 | 50 | Philadelphia, PaJohn Magaldi |
| | WABZ | 275.1 | 1090 | 50 | New Orleans, LaColiseum Pl. Baptist Ch. |
| | WADC | 258 | 1160 | 500 | Akron, OhioAllen T. Simmons |
| | WAFD | 275 | 1090 | 500 | Port Huron, MichAlbert B. Parfet Co. |
| | WAGM | 225.4 | 1330 | 50 | Royal Oak, MichR. L. Miller |
| | WAHG | 315.6 | 950 | 500 | Richmond Hill, N. YA. H. Grebe Co. |
| | WAIT | 229 | 1310 | 10 | Taunton, MassA. H. Waite & Co. |
| | WAIU | 293.9 | 1020 | 500 | Columbus, OhioAmerican Ins. Union |
| | WAMD | 243.8 | 1230 | 500 | Minneapolis, MinnRadisson Corp. |
| 1 | WAPI | 247.8 | 1210 | 1000 | Auburn, AlaAlabama Polytechnic Inst. |
| 1 | WARC | 261 | 1150 | 100 | Medford Hillside, MassAm. Radio Res. |
| | | | | | Corp. |
| | WATT | 243.8 | 1230 | 100 | (Portable) MassEdison Elec. Ill. Co. |
| 1 | WBAA | 273 | 1100 | 250 | West Lafayette, IndPurdue University |
| 1 | WBAK | 275 | 1090 | 500 | Harrisburg, PaPenna. State Police |
| 1 | WBAL | 245.8 | 1220 | 1000 | Baltimore, MdGas and Elec. Co. |
| | | | | | Liet, Co. |

| Station | Meters | К. С. | Watts | Location and Owner |
|---------|--------|-------|-------|--|
| WBAO | 270.1 | 1110 | 100 | Decatur, IllJames Millikin University |
| WBAP | 475.9 | 630 | 1500 | Fort Worth, TexasStar Telegram |
| WBAX | 256 | 1170 | 100 | Wilkes-Barre, PaJ. H. Stenger, Jr. |
| WBBL | 228.9 | 1310 | 100 | Richmond, VaGrace Covenant Pres. Ch. |
| WBBM | 226 | 1330 | 1500 | Chicago, IllAtlass 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, La1st Baptist Church |
| WBBW | 222 | 1350 | 50 | Norfolk, VaRuffner City High School |
| WBBY | 268 | 1120 | 10 | Charleston, S. CWashington Light Inf. |
| WBBZ | 215.7 | 1390 | 50 | (Portable), IllC. L. Carrell |
| WBCN | 266 | 1130 | 500 | Chicago, IllFoster & McDonnell |
| WBDC | 256.3 | 1170 | 500 | Grand Rapids, MichBaxter Laundry Co. |
| WBES | 222 | 1350 | 100 | Takoma Park, MdBliss Electrical School |
| WBNY | 209.7 | 1430 | 500 | New York, N. YMiss Shirley Katz |
| WBOQ | 236 | 1270 | 100 | Richmond Hill, N. YA. H. Grebe & Co. |
| WBPI | 263 | 1140 | 500 | Newark, N. JI. R. Nelson Co. |
| WBRC | 248 | 1210 | 50 | Birmingham, AlaBell Radio Corp. |
| WBRE | 231 | 1300 | 100 | Wilkes-Barre, PaBaltimore 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 | | 1240 | 250 | Boston, MassWestinghouse E. & M. Co. |
| WCAC | 275 | 1090 | 500 | Mansfield, ConnAgricultural College |
| WCAD | | 1140 | 250 | Canton, N. YSt. Lawrence University |
| WCAE | | 650 | 500 | Pittsburgh, PaKaufman & Baer |
| WCAJ | 254 | 1180 | 500 | Univ. Place, NebrNebr. Wesleyan Univ. |
| WCAL | | 890 | 500 | Northfield, MinnSt. Olaf College |
| WCA0 | | 1090 | 100 | Baltimore, MdBrager of Baltimore |
| WCAP | | 640 | 500 | Washington, D. CC. & P. Tel. Co. |
| WCAR | | 1140 | 500 | San Antonio, Texas_Southern Radio Corp. |
| WCAT | | 1250 | 50 | Rapid City, S. DSchool of Mines |
| WCAU | | 1080 | 500 | Phila., PaUniversal Broadcasting Co. |
| WCAX | | 1200 | 100 | Burlington, VtUniversity of Vermont |
| WCBA | | 1180 | 15 | Allentown, PaC. W. Heimbach Zion, IllW. G. Voliva |
| WCBD | | 870 | 5000 | New Orleans, LaUhalt Radio Co. |
| WCBE | | 1140 | 5 | Oxford, MissUniversity of Mississippi |
| WCBH | | 1240 | 50 | Baltimore, MdHotel Chateau |
| WCBM | | 1310 | 50 | Nashville, Tenn1st Baptist Church |
| WOBG | | 1270 | 100 | (Portable)C. H. Messter |
| WCBF | | | 100 | Minneapolis-St. Paul, Minn_Gold Medal Sta. |
| WCCC | | | 5000 | *Camp Lake, WisC. E. Whitmore |
| WCLC | | 1300 | 50 | Joliet, IllH. M. Couch |
| WCLS | | | 150 | Pensacola, FlaMunicipal Station |
| WCOA | | | 250 | Pensacola, FlaHumorpar Station Portland, MaineH. P. Rines |
| WCSE | H 256 | 1170 | 500 | Portianu, Maine |

| Station | Meters | K. C. | Watts | Location and Owner |
|--------------|-------------|-------|-------------|---|
| WCSO | 24 8 | 1210 | 100 | Springfield, OhioWittenberg College |
| WCWS | 209.7 | 1430 | 100 | (Portable), MassC. W. Selen |
| WCX | 516.9 | 580 | 5000 | Pontiac, Mich Detroit Free Press and Jew- |
| | | | | ett Radio and Phonograph Co. |
| WDAD | 226 | 1330 | 150 | Nashville, TennDad's Auto Accessories Inc. |
| WDAE | 273 | 1100 | 250 | Tampa, FlaTampa Daily Times |
| WDAF | 365.6 | 820 | 500 | Kansas City, Mo Kansas City Star |
| WDAG | 263 | 1140 | 100 | Amarillo, TexasJ. L. Martin |
| WDAH | 267.7 | 1120 | 50 | El Paso, TexasTrinity Methodist Church |
| WDAY | 260.7 | 1150 | 50 | Fargo, N. DakRadio Equipment Corp. |
| WDBE | 270 | 1110 | 100 | Atlanta, GaGilham-Schoen Elec. Co. |
| WDBJ | 228.9 | 1310 | 50 | Roanoke, Va Richardson Wayland El. Co. |
| WDBK | 227 | 1320 | 100 | Cleveland, OhioM. F. Broz |
| WDBO | 240 | 1250 | 500 | Winter Park, FlaRollins College |
| WDBZ | 233 | 1290 | 10 | Kingston, N. Y Boy Scouts of America |
| WDOD | 256 | 1170 | 50 0 | Chattanooga, Tenn. Chattanooga Radio Co. |
| WDRC | 268 | 1120 | 100 | New Haven, ConnDoolittle Radio Corp. |
| WDWF | 440.9 | 680 | 500 | Cranston, R. ID. W. Flint |
| WDZ | 278 | 1080 | 100 | Tuscola, IllJ. L. Bush |
| WEAF | 491.5 | 610 | 5000 | New York, N. Y A. T. & T. Co. |
| WEAI | 254 | 1180 | 500 | Ithaca, N. YCornell University |
| WEAM | 261 | 1150 | 250 | N. Plainfield, N. JBorough of N. Plainfield |
| WEAN | 270 | 1110 | 500 | Providence, R. IShepard Co. |
| WEAO | 293.9 | 1020 | 500 | Columbus, OhioOhio State University |
| WEAR | 389.4 | 770 | 750 | Cleveland, OhioGoodyear T. and R. Co. |
| WEAU | 275 | 1090 | 100 | Sioux City, IowaDavidson Bros. Co. |
| WEBC | 242 | 1240 | 100 | Superior, WisW. C. Bridges |
| WEBD | 246 | 1220 | 15 | Anderson, IndElec. Equip & Service Co. |
| WEBE | 234 | 1280 | 10 | Cambridge, OhioRoy W. Waller |
| WEBH | 370.2 | 810 | 2000 | Chicago, IllEdgewater Beach Hotel |
| WEBJ | 273 | 1100 | 500 | New York, N. YThird Avenue R. R. Co. |
| WEBL | 226 | 1330 | 100 | (Portable)Radio Corp. of America |
| WEBQ | 226 | 1330 | 10 | Harrisburg, IllTate Radio Co. |
| WEBR | 244 | 1230 | 100 | Buffalo, N. YH. H. Howell |
| WEBW | 268 | 1120 | 500 | Beloit, WisBeloit College |
| WEBZ WEEI | 263 | 1140 | 50 | Savannah, GaSavannah Radio Corp. |
| | 348.6 | 860 | 500 | Boston, MassEdison Elec. Illuminating Co. |
| WEHS | 202.6 | 1480 | 10 | Evanston, IllRobert E. Hughes |
| | 1.00 | | | |

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| Station Meters | K. C. | Watts | Location and Owner |
|----------------|--------------|-------|--|
| WEMC 285.5 | 1050 | 500 | Berrien Spgs., MichEmm. Missionary Col. |
| WENR 266 | 1130 | 1000 | Chicago, IllAll-American Radio Corp. |
| WEW 247.8 | | 1000 | St. Louis, MoSt. Louis University |
| WFAA 475.9 | 630 | 500 | Dallas, TexasDallas News & Journal |
| WFAM 273 | 1100 | 10 | St. Cloud, MinnThe Times |
| WFAV 275 | 1090 | 500 | Lincoln, NebrUniversity of Nebr. |
| WFBC 250 | 1200 | 50 | Knoxville, Tenn1st Baptist Church |
| WFBD 234 | 1280 | 5 | Philadelphia, PaGethsemane Baptist Ch. |
| WFBE 226 | 1330 | 10 | Seymour, IndJ. V. De Walle |
| WFBG 278 | 1080 | 100 | Altoona, PaW. F. Gable Co. |
| WFBH 273 | 1100 | 500 | New York, N. Y Concourse Radio Corp. |
| WFBI 236 | 1270 | 250 | Camden, N. JGalvin Radio Supply Co. |
| WFBJ 236 | 1270 | 100 | Collegeville, MinnSt. John's University |
| WFBL 252 | 1190 | 100 | Syracuse, N. YOnondaga Hotel |
| WFBM 268 | 1120 | 250 | Indianapolis, IndMerchants Lighting Co. |
| WFBR 254 | 1180 | 100 | Baltimore, MdMaryland Nat'l Guard |
| WFBZ 254 | 1180 | 20 | Galesburg, IllKnox College |
| WFDF 234 | 12 80 | 100 | Flint, MichF. D. Fallain |
| WFI 394.5 | 760 | 500 | Philadelphia, PaStrawbridge & Clothier |
| WFKB 217.3 | 1380 | 500 | Chicago, IllF. K. Bridgman |
| WFRL 205.4 | 1460 | 100 | Brooklyn, N. YR. M. Lacey |
| WGAL 248 | 1210 | 10 | Lancaster, PaLancaster Elec. Supply Co. |
| WGBB 243.8 | 1230 | 100 | Freeport, N. YH. H. Carman |
| WGBC 278 | 1080 | 10 | Memphis, Tenn1st Baptist Church |
| WGBF 236.1 | | 500 | Evansville, IndThe Finke Furniture Co. |
| WGBI 239.9 | 1250 | 10 | Scranton, PaFrank S. Megargee |
| WGBM 234 | 1280 | 30 | Providence, R. IT. N. Saaty |
| WGBR 229 | 1310 | 10 | Marshfield, WisMarshfield Broadcasting |
| | | | Ass'n. |
| WGBS 315.6 | | 500 | New York, N. YGimble Bros. |
| WGBU 278 | 1080 | 500 | Fulford-By-The-Sea, FlaFlorida Cities |
| WGBX 252 | 1190 | 100 | Orono, MaineUniversity of Maine |
| WGCP 252 | 1190 | 500 | Newark, N. JD. W. May, Inc. |
| WGES 250 | 1200 | 500 | Oak Park, IllCoyne Elec'l. School |
| WGHB 266 | 1130 | 500 | Clearwater, FlaG. H. Bowles Developments |
| WGHP 270 | 1110 | 1500 | Detroit, MichG. H. Phelps, Inc. |
| WGMU 236 | 1270 | 100 | Richmond Hill, N. YA. H. Grebe & Co. |
| WGN 302.8 | | 1000 | Chicago, Ill. |
| WGR 319 | 940 | 750 | Buffalo, N. YFederal Tel. Mfg. Co. |
| WGST 270 | 1110 | 500 | Atlanta, GaGa. School of Tech. |
| WGWY 263 | 1140 | 500 | Minneapolis, MinnDr. Geo. W. Young |
| WGY 379. | | 5000 | Schenectady, N. YGeneral Elec. Co. |
| WHA 535. | | 750 | Madison, WisUniversity of Wisconsin |
| WHAD 275 | 1090 | 500 | Milwaukee, WisMarquette 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 YorkWm. H. Taylor Fin. Corp. |
| WHAR | 275 | 1090 | 500 | Atlantic City, N. JF. P. Cook's Sons |
| WHAS | 399.8 | 750 | 500 | Louisville, Ky The Courier Journal-Times |
| WHAV | 266 | 1130 | 100 | Wilmington, DelWilmington Elec. Spec Co. |
| WHAZ | 379.5 | 790 | 1000 | Troy, N. YRensselaer Polytechnic Inst. |
| WHB | 365.6 | 820 | 500 | Kansas City, MoSweeney School Co. |
| WHBA | 250 | 1200 | 10 | Oil City, PaShaffer Music House |
| WHBC | 254 | 1180 | 10 | Canton, OhioRev. E. P. Graham |
| WHBD | 222.1 | 1350 | 20 | Bellefontaine, OhioCharles W. Howard |
| WHBF | 222.1 | 1350 | 100 | Rock Island, IllBeardsley Specialty Co. |
| WHBG | 231 | 1300 | 20 | Harrisburg, PaJohn S. Skane |
| WHBH | 222.1 | 1350 | 100 | Culver, IndCulver Military Academy |
| WHBJ | 234 | 1280 | 50 | Ft. Wayne, IndLauer Auto Co. |
| WHBL | 215.7 | 1390 | 50 | (Portable), IllC. L. Carroll |
| WHBM | 215.7 | 1390 | 20 | Chicago, Ill. (Portable),C. L. Carroll |
| WHBN | 238 | 1260 | 10 | St. Petersburg, Fla1st Ave. Meth. Ch. |
| WHBP | 256 | 1170 | 100 | Johnstown, PaJohnstown Auto Co. |
| WHBQ | 233 | 1290 | 50 | Memphis, TennSt. John's M. E. Church |
| WHBU | 218.8 | 1370 | 10 | Anderson, IndRiviera Theatre |
| WHBW | 215.7 | 1390 | 100 | Philadelphia, PaD. R. Kienzle |
| WHBY | 249.9 | 1200 | 50 | West De Pere, WisSt. Norbert's College |
| WHDI | 278 | 1080 | 500 | Minneapolis, MinnWm. Hood Dunwoody |
| | | | | Ind. Inst. |
| WHEC | 258 | 1160 | 100 | Rochester, N. YHickson Elec. Co. |
| WHK | 272.6 | 1100 | 1000 | Cleveland, OhioRadio Air Service Corp. |
| WHN | 361.2 | 830 | 500 | New York, N. YGeorge Schubel |
| WHO | 526 | 570 | 5000 | Des Moines, IowaBankers Life Co. |
| WHT | 399.8 | 750 | 3500 | Deerfield, IllRadiophone Broadcast'g Corp. |
| WIAD | 250 | 1200 | 100 | Philadelphia, PaH. R. Miller |
| WIAS | 254 | 1180 | 100 | Burlington, Iowa |
| WIBA | 236 | 1270 | 100 | Madison WisCapital Times |
| WIBG | 222 | 1350 | 50 | Elkins Park, PaSt. Paul's P. E. Church |
| WIBH | 209.7 | 1430 | 30 | New Bedford, MassElite Radio Stores |
| WIBI | 218.8 | 1370 | 50 | Flushing, L. IF. B. Gittell, Jr. |
| WIBJ | 215.7 | 1390 | 50 | Chicago, IllC. L. Carrell |
| WIBM | 215.7 | 1390 | 10 | Chicago, IllBilly Maine |
| WIBO | 226 | 1330 | 1000 | Chicago, IllNelson Brothers |
| WIBR | 246 | 1220 | 50 | Weirton, W. VaThurman A. Owings |
| WIBS | 202.6 | 1480 | 10 | Elizabeth, N. JN. J. Nat'l Guard, 57th |
| WIDIT | 000 | 1950 | 0.0 | Infantry Brigade. |
| WIBU | 222 | 1350 | 20 | Poynette, WisThe Elec. Farm |
| WIBW | 220 | 1360 | 100 | Logansport, IndDr. L. L. Dill |
| WIBX | 205.4 | 1460 | 150 | Utica, N. YGrid Leak, Inc. |

| Station Meters | K. C. Watts | Location and Owner |
|-----------------|-------------|--|
| WIBZ 230.6 | 1300 10 | Montgomery, AlaA. D. Trum |
| WIL 273 | 1100 250 | St. Louis, MoBenson Radio Co. |
| WIOD 247.8 | 1210 1000 | Miami, FlaCarl G. Fisher Co. |
| WIP 508.2 | 590 500 | Philadelphia, PaGimble Bros. |
| WJAD 352.7 | 850 500 | Waco, TexasJackson's Radio Elec. Co. |
| WJAG 270 | 1110 200 | Norfolk, NebrNorfolk Daily News |
| WJAK 254.1 | 1180 50 | Kokomo, IndRev. C. L. White |
| WJAM 268 | 1120 100 | Cedar Rapids, IowaD. M. Perham |
| WJAR 305.9 | 980 500 | Providence, R. IThe Outlet Co. |
| WJAS 275 | 1090 500 | Pittsburgh, PaPittsburgh Radio Sup. House |
| WJAX 336.9 | 890 1000 | Jacksonville, FlaCity of Jacksonville |
| WJAZ 322.4 | 930 1500 | Mt. Prospect, IllZenith Radio Corp. |
| WJBA 206.8 | 1450 50 | Joliet, IllD. H. Lentz, Jr. |
| WJBB 254.1 | 1180 10 | St. Petersburg, FlaFinancial Journal |
| WJBC 234 | 1280 100 | La Salle, IllHummer Furn. Co. |
| WJBG 224 | 1340 40 | Charlotte, N. CInterstate Radio |
| WJBI 218.8 | 1370 250 | Red Bank, N. JRobert S. Johnson |
| WJBK 233 | 1290 10 | Ypsilanti, MichErnest F. Goodwin |
| WJBL 270 | 1110 500 | Decatur, IllWm. Grishard Dry Goods Co. |
| WJBO 267.7 | 1120 100 | New Orleans, LaV. Jensen |
| WJBR 227.1 | 1320 50 | Omro, WisOmro Drug Store |
| WJBU 211.1 | 1420 100 | Lewisburg, PaBucknell University |
| WJJD 370.2 | 810 500 | Mooseheart, IllLoyal Order of Moose |
| WJR 516.9 | 580 5000 | Pontiac, MichDetroit Free Press and Jew- |
| | | ett Radio and Phonograph Co. |
| WJY 405.2 | 740 1000 | New York, N. YRadio Corp. of America |
| WJZ 454.3 | 660 50000 | New York-Boundbrook_Radio Corp. of Am. |
| WKAF 261 | 1150 500 | Milwaukee, WisWKAF Broadcasting Co. |
| WKAQ 340.7 | 880 500 | San Juan, P. RRadio Corp. of Porto Rico |
| WKAR 285.5 | 1050 1000 | Lansing, MichMich. Agri. College |
| WKAV 224 | 1340 50 | Laconia, N. HLaconia Radio Club |
| WKBB 214.2 | 1400 100 | Joliet, IllSanders Bros. |
| WKBE 231 | 1300 100 | Webster, MassK. & B. Electric Co., |
| WKBG 215.7 | 1390 100 | Chicago, IllC. L. Carrell |
| 326- | | |
| WKRC 422.3 | 710 1000 | Cincinnati, OhioKodel Radio Corp. |
| WKY 275 | 1090 100 | Oklahoma City, OklaE. C. Hull & H. S. Richards. |
| WLAL 250 | 1200 100 | Tulsa, Okla1st Christian Church |
| WLAP 275 | 1090 20 | Louisville, KyW. V. Jordan |
| WLB 278 | 1080 500 | Minneapolis, MinnUniversity of Minn. |
| WLBL 278 | 1080 500 | Stevens Pt. WisWis. Dept. of Markets |
| WLIB 302.8 | 990 4000 | Elgin-Chicago, IllLiberty Weekly, Inc. |
| WLIT 394.5 | 760 500 | Philadelphia, PaLit Brothers |
| | | |

| Station | Meters | К. C. | Watts | Location and Owner |
|---------|--------|-------|------------|--|
| WLS | 344.6 | 870 | 5000 | Chicago-Crete, IllSears, Roebuck Co. |
| WLSI | 440.9 | 680 | 500 | Providence, R. ILincoln Studios, Inc. |
| WLTS | 258 | 1160 | 100 | Chicago, IllLane Technical High School |
| WLW | 422.3 | 710 | 5000 | Cincinnati, OhioCrosley Radio Corp. |
| WLWL | | 1040 | 3500 | New York, N. YPaulist Fathers |
| WMAC | | 1090 | 100 | Cazenovia, N. YC. E. Meredith |
| WMAF | | 680 | 1000 | Dartmouth, MassRound Hills Radio Corp. |
| WMAK | | 1130 | 500 | Lockport, N. YNorton Laboratory |
| WMAL | | 1410 | 100 | Washington, D. CLeese Optical Co. |
| WMAN | | 1080 | 50 | Columbus, OhioHeskitt Radio Station |
| WMAQ | | 670 | 1000 | Chicago, IllChicago Daily News |
| WMAY | | 1210 | 100 | St. Louis, MoKings Highway Pres. Ch. |
| WMAZ | | 1150 | 500 | Macon, GaMercer University |
| WMBB | | 1200 | 500 | Chicago, IllAm. Bond & Mortgage Co. |
| WMBC | | 1170 | 100 | Detroit, Mich Michigan Broadcasting Co. |
| WMBF | 384.4 | 780 | 500 | Miami Beach, FlaFleetwood Hotel |
| WMC | 499.7 | 600 | 500 | Memphis, TennThe Commercial Appeal |
| WMCA | | 880 | 500 | Hoboken, N. JHotel McAlpine |
| WNAB | 250 | 1200 | 100 | Boston, MassShepard Stores |
| WNAC | 280.2 | 1070 | 500 | Boston, MassShepard Stores |
| WNAD | 254 | 1180 | 500 | Norman, OklaUniversity of Oklahoma |
| WNAL | 258 | 1160 | 50 | Omaha, NebrOmaha Central High School |
| WNAT | 250 | 1200 | 100 | Philadelphia, PaLenning Bros. Co. |
| WNAX | 244 | 1230 | 100 | Yankton, S. DDakota Radio App. Co. |
| WNBH | 247.8 | 1210 | 250 | New Bedford, MassNew Bedford Hotel |
| WNJ | 252 | 1190 | 150 | Newark, N. JRadio Shop |
| WNOX | 267.7 | 1120 | 100 | Knoxville, TennPeoples Tel. and Tel. Co. |
| WNYC | 526 | 570 | 1000 | New York, N. YMunicipal Station |
| WOAI | 394.5 | 760 | 2000 | San Antonio, TexasS. E. Equipment Co. |
| WOAN | 282.8 | 1060 | 500 | Lawrenceburg, TennVaughan Con. of |
| | | | | Music. |
| WOAW | | 570 | 1000 | Omaha, NebrWoodmen of the World |
| WOAX | 240 | 1250 | 500 | Trenton, N. JF. J. Wolff |
| WOC | 483.6 | 620 | 5000 | Davenport, IowaPalmer School of Chiro. |
| WOCL | 275.1 | 1090 | 15 | Jamestown, N. YHotel Jamestown |
| WODA | | 1340 | 250 | Paterson, N. JO'Dea Radio & Vietrola Shop |
| WOI | 270 | 1110 | 750 | Ames, IowaIowa State College |
| WOK | 217.3 | 1380 | 5000 | Homewood, IllNeutrowound Radio Mfg. Co. |
| WOKO | 233 | 1290 | 5 0 | New York, N. YOtto Baur |
| WOO | 508.2 | 590 | 500 | Philadelphia, PaJohn Wanamaker |
| WOOD | 241.8 | 1240 | 500 | Grand Rapids, Mich. Grand Rapids Radio Co. |
| WOQ | 278 | 1080 | 1000 | Kansas City, McUnity Sch. of Christianity |
| WOR | 405.2 | 740 | 500 | Newark, N. JL. Bamberger and Co. |
| WORD | 275 | 1090 | 5000 | Batavia, IllPeople's Pulpit Ass'n. |

| Station | Meters | К. С. | Watts | Location and Owner |
|---------|--------|-------|-------|---|
| WOS | 440.9 | 680 | 500 | Jefferson City, MoMo. State Marketi'g Bur. |
| WOWL | 270 | 1110 | 10 | New Orleans, LaOwl Battery Co. |
| wowo | 227 | 1320 | 500 | Ft. Wayne, IndMain Auto Supply Co. |
| WPAK | 275 | 1090 | 50 | Agri. College, N. DN. D. Agri. College |
| WPCC | 258 | 1160 | 500 | Chicago, IllN. Shore Congregational Ch. |
| WPDQ | 205.4 | 1460 | 50 | Buffalo, N. YH. L. Turner |
| WPG | 299.8 | 1000 | 500 | Atlantic City, N. JMunicipality of Atlantic |
| WDDG | 015 5 | 1000 | 1.0.0 | City. |
| WPRC | 215.7 | 1390 | 100 | Harrisburg, PaWilson Ptg. & Radio Co. |
| WPSC | 261 | 1150 | 500 | State College, PaPenn State College |
| WQAA | - | 1360 | 500 | Parkersburg, PaH. A. Beale, Jr. |
| WQAC | 234 | 1280 | 100 | Amarillo, TexasGish Radio Service |
| WQAE | 246 | 1220 | 50 | Springfield, VtMoore Radio News Sta. |
| WQAM | | 1140 | 100 | Miami, FlaElectric Equipment Co. |
| WQAN | 250 | 1200 | 100 | Scranton, PaThe Scranton Times |
| WQAO | 360 | 830 | 100 | New York, N. YCalvary Baptist Church |
| WQJ | 447.5 | 670 | 500 | Chicago, IllCalumet Rainbo Brdcstg. Co. |
| WRAF | 224 | 1340 | 100 | Laporte, IndRadio Club, Inc. |
| WRAK | | 1170 | 100 | Escanaba, MichEconomy Light Co. |
| WRAM | | 1230 | 100 | Galesburg, IllLombard College |
| WRAV | 263 | 1140 | 100 | Yellow Springs, OhioAntioch College |
| WRAW | | 1260 | 10 | Reading, PaAvenue Radio Shop |
| WRAX | 268 | 1120 | 500 | Gloucester City, N. JFexon's Garage |
| WRBC | 278 | 1080 | 500 | Valparaiso, IndImmanuel Lutheran Ch. |
| WRC | 468.5 | 640 | 1000 | Washington, D. CRadio Corp of America |
| WRCO | 252 | 1190 | 100 | Raleigh, N. CWynne Radio Co. |
| WREC | 254 | 1180 | 10 | Coldwater, MissWooten's Radio Shop |
| WREO | 285.5 | 1050 | 500 | Lansing, MichReo Motor Co. |
| WRHF | 256 | 1170 | 50 | Washington, D. CWash. Radio Hosp. Fund |
| WRHM | | 1190 | 50 | Minneapolis, MinnRosedale Hospital |
| WRK | 270 | 1110 | 100 | Hamilton, OhioDoron Bros. Elec. Co. |
| WRM | 273 | 1100 | 500 | Urbana, IllUniversity of Illinois |
| WRMU | | 1270 | 100 | Motor Yacht "MU-1"A. H. Grebe, Inc. |
| WRNY | 258 | 1160 | 500 | New York, N. YExperimenter Pub. Co. |
| WRR | 246 | 1220 | 500 | Dallas, TexasCity of Dallas |
| WRST | 215.7 | 1390 | 250 | Bay Shore, N. YRadiotel Mfg. Co. |
| WRVA | | 1170 | 1000 | Richmond, VaLarus & Bros. Co. |
| WRW | 273 | 1100 | 500 | Tarrytown, N. YTarrytown Research Lab. |
| WSAI | 325.9 | 920 | 5000 | Cincinnati, OhioU. S. Playing Card Co. |
| WSAJ | 229 | 1310 | 250 | Grove City, PaGrove City College |
| WSAN | 229 | 1310 | 100 | Allentown, PaAllentown Call |
| WSAR | 254.1 | 1180 | 100 | Fall River, Mass. Doughty & Welch Elec. Co. |
| WSAX | 268 | 1120 | 100 | Chicago, IllZenith Radio Corp. |
| WSAZ | 244 | 1230 | 50 | Pomeroy, OhioChase Electric Shop |

| Station | Meters | K. C. | Watts | Location and Owner | |
|---------|--------|-------|-------|---|--|
| WSB | 428.3 | 700 | 1000 | Atlanta, GaThe Atlanta Journal | |
| WSBC | 209.7 | 1430 | 1000 | Chicago, IllWorld Battery Co. | |
| WSBF | 273 | 1100 | 250 | St. Louis, MoStix Baer and Fuller | |
| WSBT | 275 | 1090 | 250 | South Bend, IndSouth Bend Tribune | |
| WSDA | 263 | 1140 | 250 | New York, N. YSeventh Day Adventist Ch. | |
| WSKC | 261 | 1150 | 100 | Bay City, Mich World's Star Knitting Co. | |
| WSM | 282.8 | 1060 | 1000 | Nashville, TennNat'l. Life and Accident | |
| | | | | Ins. Co. | |
| WSMB | 319 | 940 | 500 | New Orleans, LaSaenger Amusement Co. | |
| WSMH | 240 | 1250 | 20 | Owosso, Mich Shattuck Music House | |
| WSMK | 275 | 1090 | 500 | Dayton, OhioS. M. K. Radio Corp. | |
| WSOE | 246 | 1220 | 500 | Milwaukee, WisSchool of Engineering | |
| WSRO | 252 | 1190 | 100 | Hamilton, OhioH. W. Fahlander | |
| WSSH | 260.7 | 1150 | 100 | Boston, MassTremont Temple Baptist Ch. | |
| WSUI | 483.6 | 620 | 500 | Iowa City, IowaState Univ. of Iowa | |
| WSVS | 218.8 | 1370 | 50 | Buffalo, N. Y Seneca Vocational School | |
| WSWS | 275.1 | 1090 | 1000 | Woodale, IllS. W. Straus and Co. | |
| WTAB | 266 | 1130 | 100 | Fall River, MassFall River Daily Herald | |
| WTAD | 236 | 1270 | 50 | Carthage, IllR. E. Compton | |
| WTAG | 268 | 1120 | 500 | Worcester, MassTelegram Pub. Co. | |
| WTAL | 252 | 1190 | 10 | Toledo, OhioToledo Radio & Elec. Co. | |
| WTAM | | 770 | 3500 | Cleveland, Ohio_Willard Storage Battery Co. | |
| WTAP | 242 | 1240 | 50 | Cambridge, IllCambridge Radio Elec. Co. | |
| WTAQ | 254.1 | 1180 | 100 | Osseo, WisS. Van Gordon & Sons | |
| WTAR | 261 | 1150 | 100 | Norfolk, VaReliance Radio & Elec. Co. | |
| WTAW | | 1110 | 500 | College Station, Texas_Agri. & Mech. Col. | |
| WTAX | | 1300 | 50 | Streator, IllWilliams Hardware Mfg. Co. | |
| WTAZ | 261 | 1150 | 15 | Lambertville, N. JT. J. McGuire | |
| WTIC | 475.9 | 630 | 500 | Hartford, ConnTravelers Insurance Co. | |
| WWAD | | 1200 | 250 | Philadelphia, PaWright & Wright, Inc. | |
| WWAE | | 1240 | 500 | Plainfield, IllElectric Park | |
| WWAO | | 1140 | 250 | Houghton, MichMichigan College of Mines | |
| WWGL | | 1410 | 500 | Richmond Hill, N. Y Radio Eng. Corp. | |
| WWI | 266 | 1130 | 500 | Dearborn, MichFord Motor Co. | |
| WWJ | 352.7 | 850 | 1000 | Detroit, MichThe Detroit News | |
| WWL | 275 | 1090 | 100 | New Orleans, LaLoyola University | |
| | | | | 0 | |

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FOREIGN BROADCASTING STATIONS

CANADIAN BROADCASTING STATIONS

| | | | _ | | | | |
|-----------------|--------|-------|-------|---|--|--|--|
| Station | Meters | К. С. | Watts | Location and Owner | | | |
| CFAC | 434.5 | 690 | 500 | Calgary, AlbertaThe Calgary Herald | | | |
| CFCA | 356.9 | 840 | 500 | Toronto, OntStar Publishing & Ptg. Co. | | | |
| CFCF | 410.7 | 730 | 1650 | Montreal, QuebecCanadian Marconi Co. | | | |
| CFCH | 499.7 | 600 | 250 | Iroquois F'ls., OntAbitibi Pow. & Paper Co. | | | |
| CFCK | 516.9 | 580 | 100 | Edmonton, AlbertaRadio Supply Co. | | | |
| CFCN | 434.5 | 690 | 1800 | Calgary, AlbertaW. W. Grant, Ltd. | | | |
| \mathbf{CFCQ} | 410.7 | 730 | 5 | Vancouver, B. CSprott Shaw Radio Co. | | | |
| CFCT | 329.5 | 910 | 500 | Victoria, B. C George W. Deaville | | | |
| CFCU | 340.7 | 880 | 500 | Hamilton, OntJack V. Elliot, Ltd. | | | |
| CFCY | 312.3 | 960 | 50 | Charlottetown, P. E. IThe Island Radio Co. | | | |
| CFDC | 410.7 | 730 | 10 | Vancouver, B. CWestern Auto Elec. Co. | | | |
| CFKC | 247.8 | 1210 | 75 | Thorold, OntD. J. Fendell | | | |
| CFMC | 267.7 | 1120 | 20 | Kingston, OntMonarch Battery Co. | | | |
| CFQC | 329.5 | 910 | 500 | Saskatoon, SaskThe Electric Shop | | | |
| CFRC | 267.7 | 1120 | 500 | Kingston, OntQueen's University | | | |
| CFXC | 291.1 | 1030 | 20 | N. Westminster, B. CWestminster Trst Co. | | | |
| CFYC | 410.7 | 730 | 500 | Burnaby, B. CCommercial Radio, Ltd. | | | |
| CHCS | 340.7 | 880 | 10 | Hamilton, OntThe Hamilton Spectator | | | |
| CHIC | 356.9 | 840 | 500 | Toronto, OntNorthern Electric Co. | | | |
| CHNC | 356.9 | 840 | 500 | Toronto, OntToronto Radio Research Soc. | | | |
| CHSC | 359.9 | 840. | 250 | Unity, SaskH. N. Stovin | | | |
| CHUC | 329.5 | 910 | 50 | Saskatoon, SaskInt'l. Bible Students Ass'n. | | | |
| CHXC | 434.5 | 690 | 250 | Ottawa, OntJ. R. Booth, Jr. | | | |
| CHYC | 410.7 | 730 | 850 | Montreal, QueNorthern Electric Co. | | | |
| CJBC | 356.9 | 840 | 500 | Toronto, OntJarvis Street Baptist Church | | | |
| CJCA | 516.9 | 580 | 500 | Edmonton, AltaEdmonton Journal, Ltd. | | | |
| CJCD | 356.9 | 840 | 50 | Toronto, OntThe T. Eaton Co. | | | |
| CJGC | 329.5 | 910 | 50 | London, OntLondon Free Press Ptg. Co. | | | |
| CJKC | 410.7 | 730 | 500 | Burnaby, B. C Pyramid Temple Society | | | |
| CJSC | 356.9 | 840 | 500 | Toronto, OntEvening Telegram | | | |
| CJWC | 329.5 | 910 | 250 | Saskatoon, SaskWheaton Electric Co. | | | |
| CJYC | 291.1 | 1030 | 。 500 | Scarford Stat. QueDeForest Radio Corp. | | | |
| CKAC | 410.7 | 730 | 1200 | Montreal, QueLaPresse Publishing Co. | | | |
| CKCD | 410.7 | 730 | 1000 | Vancouver, B. CVancvr. Daily Providence | | | |
| CKCK | 312.3 | 960 | 500 | Regina, SaskLeader Publishing Co. | | | |
| CKCL | 356.9 | 840 | 500 | Toronto, OntThe Dominion Battery Co. | | | |
| CKCO | 434.5 | 690 | 100 | Ottawa, OntDr. G. M. Geldert | | | |
| CKCW | 329.5 | 910 | 5000 | Burketon Junction, OntCanadian Broad- | | | |
| | | | | casting Corp. | | | |
| CKFC | 410.7 | 730 | 50 | Vancouver, B. C 1st Congregational Ch. | | | |

| Station | Meters | К. С. | Watts | Location and Owner |
|---------|--------|-------|-------|---|
| CKNC | 356.9 | 840 | 500 | Toronto, OntCanadian Nat. Carbon Co. |
| CKOC | 340.7 | 880 | 50 | Hamilton, OntWentworth Radio Supply Co. |
| CKY | 384.4 | 780 | 400 | Winnipeg, ManManitoba Tel. System |
| CNRA | 312.3 | 960 | 500 | Moncton, N. BCanadian Nat'l. Rys. |
| CNRC | 434.5 | 690 | 750 | Calgary, AltaCanadian Nat'l. Rys. |
| CNRE | 516.9 | 580 | 500 | Edmonton, AltaCanadian Nat'l. Rys. |
| CNRM | 410.7 | 730 | 1000 | Montreal, QueCanadian Nat'l. Rys. |
| | | | 1650 | |
| CNRO | 434.5 | 690 | 500 | Ottawa, OntCanadian Nat'l. Rys. |
| CNRR | 312.3 | 960 | 500 | Regina, SaskCanadian Nat'l. Rys. |
| CNRS | 329.5 | 910 | 500 | Saskatoon, SaskCanadian Nat'l. Rys. |
| CNRT | 356.9 | 840 | 500 | Toronto, OntCanadian Nat'l. Rys. |
| CNRV | 291.1 | 1030 | 500 | Vancouver, B. CCanadian Nat'l. Rys. |
| CNRW | 384.4 | 780 | 500 | Winnipeg, ManCanadian Nat'l. Rys. |

CUBAN BROADCASTING STATIONS

| Station | Meters | к. с. | Watts | Location and Owner |
|----------------|--------|-------|-------|------------------------------------|
| \mathbf{PWX} | 400 | | 500 | HabanaCuban Telephone Co. |
| 2FP | 355 | | 400 | El Pais, Habana |
| 2HP | 295 | | 100 | HabanaCreditory Construcciones Co. |
| 20K | 360 | | 100 | HabanaMario Garcia Velez |
| 20L | 300 | | 100 | HabanaOscar Collado Orta |
| 6BY | 300 | | 100 | CienfuegosJose Ganduxe |
| 6JK | 275 | | 100 | Central TuincuFrank H. Jones |
| | | | 100- | |
| 6KW | 340 | | 4000 | Central TuincuFrank H. Jones |
| 7SR | 350 | | 500 | CanqueySalvador Rionda |
| 8BY | 250 | | 100 | SantiagoAlberto Ravelo |

MEXICAN BROADCASTING STATIONS

| 012 | $275 \\ 400$ | 500 | Mexico CityElfrion R. Gomez Mexico CityJose J. Reynosa-El Buen Tono Mexico City_Raoul Azcarraga-Universal-Casa del Radio. |
|-----|-------------------|-----|--|
| CZE | 325 350 490 | 500 | Mexico CityEl Excelsior-Parker Mexico CityDepartmente de Educacion GuadalajaraFederal Military Command |

ARGENTINA

| LOR 35 | 0-510 | 500 | Buenos AiresCia Radio Argentina |
|--------|-------|------|------------------------------------|
| LOV | 350 | 1000 | Buenos AiresF. J. Brusa |
| LOW | 325 | 1500 | Buenos AiresGrand Splendid Theatre |

AUSTRALIA

| Signal 2BL 2FC 3AR 5CL | Meters 350 1110 480 395 | Watts 5000 5000 1600 5000 | Melbourne | Location and Owner Broadcasters Ltd. Farmer & Co. Associated Radio Co. Central Broadcasters |
|------------------------------------|---|--|--|---|
| | | | BELGIUM | |
| | 265 | 1500 | Brussels | Radio-Belgique |
| | | | BRAZIL | |
| | | 6000 | Rio de Janeiro | Marconi |
| | | | FRANCE | |
| FP TT YN | $\begin{array}{c} 458\\ 340\end{array}$ | 500 | Paris Lyons-la-Doua | Superior School French Government |
| | | | GERMAN | r |
| | 505418288280470463454485 | $1500 \\ 1500 \\ 1500 \\ 1500 \\ 1500 \\ 1500 \\ 1000 \\ $ | Breslau Cassel Dresden Frankfort-on-Main Konigsberg Leipzig | Vox Haus Schlesiche Rundfunk Sudwestdeutscher Rundfunk Mitteldeutsche Rundfunk Sudwestdeutsche Rundfunk Ostmarken Rundfunk Mitteldeutsche Rundfunk 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 |
| 2 DE | 332 | | Dundee, Scotland |
| $2\overline{EH}$ | 326 | | |
| $\overline{2LO}$ | 365 | 3000 | Edinburgh, Scotland |
| 2ZY | | | London, England |
| | 378 | | Manchester, England |
| 5IT | 480 | | Birmingham, England |
| 5NG | 229 | | Nottingham, England |
| 5NO | 403 | | Newcastle, England |
| 5SC | 422 | | Glasgow, Scotland |
| 5WA | 353 | | Cardiff, Wales |
| 5XX | | $26\bar{0}\bar{0}\bar{0}$ | Carum, wates |
| 6BM | 000 | | Daventry, England |
| | 386 | | Bournemouth, England |
| 6 FL | 302 | | Sheffield, England |
| $6 \mathrm{KH}$ | 336 | | Hull, England |
| 6LV | 314 | | Liverpool, England |
| 6ST | 306 | | Stale on The local distance |
| | 000 | | 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 Albuquerque, N. M Allentown, Pa Altoona, Pa Amarillo, Texas | WADC | Devenport Jama |
|---|---------------|--|
| Albuquorquo N M | TET D | Davenport, Iowa David City, Neb |
| Allenform D. | | David City, Neb |
| Allentown, Pa | WSAN | Dayton, Ohio |
| Altoona, Pa. | WFBG | Dogrhorn Mich |
| Amarillo, Texas | WDAG, WQAC | Decatur, Ill Deerfield, Ill |
| Ames, rowa | | Deerfield III |
| Anchorage, Alaska Anita, Iowa | KEOD | Denver, Colo |
| Anite Town | VET 7 | Denver, Colo |
| Anita, lowa Arlington, Va | IT 13/3 | Des Moines. Iowa_ |
| Arington. va. | NAA | Detroit. Mich. WWJ, WMBC. Escanaba, Mich. Evansville. Ind. |
| Atlanta, GaWGST | , WSB. WDBE | WWJ WMBC. |
| Atlantic City, N. J | -WHAR, WPG | Escanaba, Mich |
| Auburn, Ala. | WAPI | Evansville Ind |
| Austin, Texas | KITT | Everett, Wash |
| Avalon Calif | KEWO | Fall Diver Mass. |
| Poltimore MA WDAT | WOLD WEDD | Fall River. Mass |
| Dattimore. Md WBAL, | WCAU, WEBR | Fayetteville, Ark |
| Bangor, Mame | WAB1 | Plint, Mich |
| Batavia, Ill. | WORD | Fond Du Lac. W |
| Bay City, Mich | WSKC | Flint, Mich. Fond Du Lac, W Fort Wayne, Ind Fort Worth, Texas |
| Bayshore, N. Y | WRST | Fort Worth Toyas |
| Beaumont, Texas | | Freenowt N V |
| Popuillo Towar | WEDD | Freeport, N. Y Fulford, Fla |
| Beeville, Texas Beloit, Wis | KFRB | Fultord, Fla. |
| Beloit, Wis. | WEBW | Galesburg, Ill |
| Berkeley, Calif. Berrien Springs, Mich. Big Bear Lake, Calif. | KRE | Galesburg, Ill. Gloucester City, N. Grand Forks, N. D. Grand Rapids, Micl |
| Berrien Springs, Mich | WEMC | Grand Forks, N D |
| Big Bear Lake, Calif | KFXB | Grand Ranids Mich |
| Boise, Idaho Boston, Mass. WBZA, WNAB, WS Boundbrook, N. J Bristow, Okla | KEAT | Grove City. Pa |
| Boston Mass | WEEL WNAC | Hamilton, Ohio |
| WD7A WNAD WC | OTT WINDLY | Traniton, Ono |
| Poundbrook N T | SIL. | Harrisburg. Pa |
| Bonnabrook, N. J. | W.JZ | Hartford, Conn |
| Bristow, Okla. | KV00 | |
| Brookings, S. D | KFDY | Haverford, Pa |
| Brooklyn. N. Y | WFRL | Hoboken N. J. |
| Brownsville, Texas | KWWG | Hollywood Calif |
| Buffalo, N. Y. | WGR WEBR | Holy City Calif |
| Bristow, Okla Brookings, S. D Brookings, S. D Brownsville, Texas Burlington, Iowa Burlington, Iowa Canton, N. Y Cazenovia, N. Y Charlotte, N. C WBCN, WEBH, WEBH, W. WFKB, WAAF, W. WSAX, WAAF, W. | WTAS | Hastings, Nebr. Haverford, Pa. Hoboken, N. J. Hollywood, Calif Hong City, Calif Homewood, Ill Honewood, Ill |
| Burlington, Vormont | WICH Y | Tionelulu Transit |
| Complem M T | WCAA | rionomini, Flawan |
| Canden, N. J. | W F BI | Hot Springs. Ark Houghton, Mieh Houston, Texas |
| Canton, N. Y. | WCAD | Houghton, Mieh |
| Cazenovia, N. Y. | WMAC | Houston, Texas |
| Cedar Rapids, Iowa | KWCR. WJAM | |
| Charlotte, N. C. | WBT | Indianapolis, Ind. Iowa City, Iowa- Ithaca, N. Y. Jacksonville, Fla. Jefferson City, Mo Johnstown, Pa. |
| Chaftanooga Tenn | WDOD | Lowa City Lowa |
| Chiaggo III | EVW WDDM | The A N N |
| WDON WEDT | KIW, WEBM, | Tunaca, N. Y. |
| WBCN, WEBH, | WGN, WIBO. | Jacksonville, Fla |
| WMAQ, WMBB, V | VQI. WENR. | Jefferson City, Mo |
| WSBC, WPCC, V | VLS. WLIB. | Johnstown, Pa. |
| WFKB, WAAF, W | KBG. WLTS. | |
| WSAX. | | Kansas City Mo |
| Chickasha Okla | KOCW | Kansas City, Mo WOQ, KWKC, Knoxville, Tenn |
| Chico Calif | TTIANTT | The second secon |
| Cincinnati Ohio WTW | NTO AT MITTOO | Knoxville. Tenn |
| Cincinnati, UnioWLW, | WSAI, WKRC | Lansing, Mich |
| Clarinda, Iowa | KSO | La Porte, Ind. Laramie, Wyo. La Salle, Ill. Lawrence, Kans. Lawrenceburg, Ten: |
| Clay Center, Neh | KMMJ | Laramie, Wyo |
| Clearwater, Fla. | WGHB | La Salle, Ill |
| Cleveland. OhioW | TAM. WEAR. | Lawrence Kans |
| WHK. WDBK | , | Lawrenceburg Ton |
| College Station Taxas | W/TAW | Lawiehung, 101. |
| WSAX. Chickasha, Okla Chico, Calif Clarinda, Iowa Clay Center, Neh Clearwater, Fla. Cleveland, OhioW WHK, WDBK. College Station. Texas College ville, Minn. | WIND T | Lewisburg, Pa |
| Colorado Springer Gal | W P 15.J | Lindon, Nebr |
| Columbia oprings, Colo | KFAF, KFUM | Lockport. N. Y |
| Columbia, Mo | KFRU | Logansport. Ind |
| Collegeville, Minn. Colorado Springs, Colo Columbia, Mo. Columbus, Ohio Corvallis, Oregon | WAIU, WEAO. | Lawisburg, Pa. Lacohn, Nebr. Lockport, N. Y. Logansport, Ind. Los Angeles, Calif. KFI, KHJ, KNJ Louisville, KN |
| Corvallis. Oregon | KOAC | Los Angeles Calif |
| Council Bluffs, Iowa | KOU | KEI KHI VN |
| Cranston, R T | WDWF | Louisville Try |
| Culver Ind | TUTTOT | moundering, My |
| Dallos Tomas | WDD WHBH | Macon. Ga. |
| Council Bluffs, Iowa Cranston, R. I Culver, Ind Dallas, Texas Dartmouth, Mass | WER, WEAA | Madison, Wis |
| Durumouth, Mass | WMAF | Manhattan, Kas |
| | | |

| Davenport, Iowa | WOC. |
|---|--------------|
| David City, Neb | KEOR |
| Dayton Ohio | WSME |
| Deenhern Mich | ALES W SHILL |
| Dearborn, Mich. | W W 1 |
| Decatur, IIIWJB | L, WBAO |
| Deerfield, Ill. | WHT |
| Denver, Colo | TA KLZ |
| Des Mairos Low | TUR. ITIM |
| Detailt Montes, Towa | WHU |
| Detroit. MichWC? | K, WGHP, |
| WWJ, WMBC. | |
| Escanaba, Mich. | WRAK |
| Evansville Ind | WCBF |
| Everett Weah | TEDY |
| inverett, wash | KEBL |
| Fall River. MassWSA | R, WTAB |
| Fayetteville, Ark | KIIOA |
| Flint. Mich. | WEDE |
| Fond Du Lac Wis | KET7 |
| Fout Warne Ind | |
| Fort wayne, Ind. | wow0 |
| Fort worth, TexasWBA | P, KFQB |
| Freeport, N. Y. | WGBB |
| Fulford Fla | WGBU |
| Galeshurg III | TWD AND |
| Clonesster Otter M. T | |
| Groucester City, N. J. | WRAX |
| Frand Forks, N. D | KFJM |
| Grand Rapids, MichWBD | C. WOOD |
| Grove City, Pa | WSAT |
| Hamilton Ohio | WSBO |
| Tamiahuan D. TTDA | K. WARD |
| riarrisourg. PaWBA | K, WPRC |
| Hartford, Conn | WTIC |
| Hastings, Nebr | KFKX |
| laverford Pa | WARO |
| Hohokon N T | WADQ |
| Hollyman 1 Calle Trans | WMCA |
| Honywood, CanrKFW | B. KNRC |
| Holy City. Calif | KFQU |
| Homewood. Ill | WOK |
| Honolulu, Hawaii | KGU |
| Tot Springs Ark | TATIS |
| Toughton Mich | NIHO |
| noughton, Mien | WWAO |
| louston, Texas | KPRC |
| udependence, Mo | KLDS |
| Indianapolis. Ind | WEBM |
| lowa City Lowa | TTOTT |
| these N Y | W OUI |
| chaea. N. I | WEAT |
| lacksonville. Fla. | WJAX |
| Jefferson City, Mo | WOS |
| Johnstown, Pa | WHRP |
| Coliet III WOT | WEDD |
| Concos City Mo | N WINDD |
| WDA | r. whB, |
| WOQ. KWKC. | |
| inoxville. Tenn | WNOX |
| ansing, Mich. WKAI | WREO |
| a Porte Ind | WDAD |
| aromio Wwo | WINAP |
| Jaramie, wyo. | KFBU |
| la Salle, III. | WJBC |
| awrence, Kans | KFKU |
| awrenceburg, Tenn. | WOAN |
| Awishurg Da | WTDI |
| ingolu Nohn EELAT | |
| ALCOID, DEDFKFAF | S, WFAV |
| Jockport, N. Y. | WMAK |
| ogansport, Ind | WIBW |
| ong Beach, Calif | KEON |
| os Angeles Calif EFDI | KESC |
| KEI KHI KNY EMDI | EMED |
| aviaville Ex. | MIIK. |
| Joursville, Ky | WHAS |
| acon. Ga | WMAZ |
| ladison, WisWHA | WIBA |
| Davenport, Iowa David City, Neb Dayton, Ohio Dearborn, Mich Dearborn, Mich Dearborn, Mich Dearborn, Mich Denver, Colo Denver, Colo Detvoit, Mich WWJ, WMBC WWJ, WMBC Scanabaa, Mich Fort Wayne, Ind Fort Worth, TexasWSA Fayetteville, Ark Fort Worth, TexasWBA Fort Worth, Texas Fort Worth, Texas Fulford, Fla Galesburg, Ill Glauseter City, N. J Grand Rapids. MichWBA Hartford, ConnWBA Hartford, ConnWBA Hartford, Conn Hastings. Nebr Hastings. Nebr Haverford, Pa Hoboken, N. J Hoboken, N. J Hoboken, N. J Hoboken, N. J Hoboken, M. J Hoboken, M. J Hoboken, Texas Udependence, Mo Indianapolis, Ind Constown, Pa Cohnstown, Pa | KSAC |
| , | ANDALC |
| | |

Manila, P. I._____KZRQ, KZKZ Mansfield, Conn.______WCAC Wedford Hillside, Mass._____WARC WKAF. WHAD, WSOE, Minneapolis, Minn. WAMD, WHDI, WSCO, WGWY, WLB. Missoula, Mont. KUOM Mooseheart, II. WJJD Mt. Clemens, Mich. WJJM Muscatine, Iowa WJAZ Muscatine, Iowa KTNT Newark, N. J. WBM, WCBQ, WDAD WOR, WNJ. New Beford Macc KFOX, KOCH. Orono, Maine______WGBX Osseo, Wis._____WTAQ Parkersburg, Pa._____WOAA Pasadena, Calif______WOA Paterson, N. J._____WODA Pensacola, Fla______WODA Petoskey, Mich._____WOA Philadelphia, Pa._____WCAU, WFI, WIP, WLIT. WOO, WHBW, WIAD, WIAT, WWAD. Phoenix, Ariz._____KFAD, KFCB WLSI. Pullman, Wash. Raleigh, N. C. Red Bank, N. J. Richmond, Va. WRVA, WBBL, Richmond Hill, N. Y.-WAHG, WWGL, WBOQ, WGMU.

Rochester, N. Y.-----WABO, WHAM, WHEC. WHEC. Rockford, III._______KFLV Rock Island, III.______WHBF Rossville, N. Y._____WHBF Saeramento. Calif._____WBBR St. Louis, Mo._____KFUO, KFVE KSD, KMOX, WEW, KFQA, KFWF, WIL, WMAY, WSBF. St. Paul, Minn._____WCCO Salt Lake City, Utab_____KSL, KFOO, KFUT.____ KFUT. San Antonio, Texas_____WOAI, WCAR San Diego, Calif._____KFWW San Francisco, Calif._____KBWR Sant Juan, P. R._____KGW Schenectady, N. Y._____WGAY Schenectady, N. Y._____WGAY Schenectady, N. Y._____WGAY Schenectady, K.Y. Schenectady, KTCL, KFOA, KJR, KTW, KTCL

 Seattle, Wash______KFOA, KJR, KTW, KTCL,

 KTW, KTCL,

 Shenandoah, Iowa_____KFNF, KMA

 Shreveport, La._____KWKH, KFDX

 South Bend, Ind._____KFMR, WEAH

 South Bend, Ind._____KFIO, KFPY

 South Ban, KHQ, KFIO, KFPY

 South San Francisco______WSBT

 South San Francisco______WSBT

 Spokane, Wash._____KHQ, KFIO, KFPY

 Springfield, Ohio______WCSO

 State College, N. M._____WCSO

 State College, Pa.______KOB

 Superior, Wis._____WFBL

 Superior, Wis.______WEBC

 Syracuse, N. Y_______WBES

 Takoma Park, Md.______WBES

 Tarytown, N. Y.______WDAE

 Tarrytown, N. Y._______WDAE

 Troy, N. Y._______WOAX

 Troy, N. Y._______WBX

 Tuscola, III.________WRM

 Urbana, III.________WRM

 Urbana, III.________WRM

 Valparaiso, Ind._______WBX

 Valparaiso, Ind.________WBAD

 Walla Walla, Wash._______KOWW

 Walla Walla, Wash.________KOWW

 Washington, D. C._______WCAP, WRC.

 WMAL
 WKRE

WMAL. Webster, Mass. West Lafayette, Ind. Wichita, Kansas. Wilkes-Barre, Pa. Wilmigton, Del. Wildington, Del. Wildington, Park, Fla. Worcester, Mass. Yakima, Wash. Yahima, Wash. Yahima, Wash. Yellow Springs, Ohio WCBD

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CANADIAN CITIES WITH STATIONS OF 100 - WATTS POWER OR MORE

| Hamilton, OntCFCU Iroquois Falls, OntCFCH Toronto, OntČFCA, CHIC, CHNC, CJBC, CJSC, CKCL, CKNC, CNRT. | Iroquois Falls, OntCFCH Kingston, OntCFRC Moncton, N. BCNRA Montreal, QuebecCFCF, CHYC, CKAC. | Unity, SaskCHSC Vancouver, B. CCKCD, CNRV Victoria, B. CCFCT |
|---|--|--|
|---|--|--|

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 Gillilaud, 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 2¼ 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 $1\frac{3}{4}$ 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 ½ 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 14½ 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 | D No. 1 | ial Setti No. 2 | ng No. 3 |
|----|----------------|---------------|---|------------|--------------------|-------------|
| Đ | 545.1 | 550 | KFUO, KSD | | | |
| Ę | 535.4 | 560 | KYW, WHA | 84 | 88 | 89 |
| Ę | 52 6 | 570 | WHO, WNYC, WOAW | | | 90 |
| ł | 516.9 | 580 | WCX, WJR, CFCK, CJCA, CNRE | | _42_ | ./ |
| 5 | 08.2 | 590 | KLX, WIP, WOO | 2%_ | _51_ | 83 |
| 4 | 99.7 | 600 | KFRU, WMC, CFCH | | | |
| 4 | 95.1 | 610 | KGW, WEAF | 21_ | 242 | 25- |
| 4 | 83.6 | 620 | WOC, WSUI | | 6 | |
| 4 | 75.9 | 630 | WBAP, WFAA, WTIC | 65 | -18- | 20 |
| 4 | 68.5 | 640 | KFI, WCAP, WRC | | | |
| 4 | 61.3 | 650 | WCAE | | | |
| 4 | 54.3 | 660 | KFOA, KTW, WJZ | Sla | 63. | 63 |
| | 47.5 | 670 | WMAQ, WQJ | | | |
| 4 | 40.9 | 680 | WOS, KLDS, WDWF, WLSI, | 1 | | |
| | | | WMAF | -3E | -60- | 02 |
| | 34.9 | 690 | NAA, CFAC, CFCN, CHXC, CKCO, CNRC, CNRO | 54 | .57 | 51 |
| | 28.3 | 700 | KPO, WSB | | | |
| | 22.3 | 710 | WKRC, WLW | 50 | -54 | 5% |
| _ | 16.4 | 720 | WCCO | | | |
| 4 | 10.7 | 730 | CFCF, CFCQ, CFYC, CJKC, CKAC, CKCD, CNRM | 46 | 50 | 52 |
| _ | 05.2 | 740 | KHJ, WJY, WOR | | | |
| | 99.8 | 750 | WHAS, WHT | 43 | 49 | |
| | 94.5 | 760 | WFI, WLIT, WOAI | 42 | 46 | 46 |
| | 39.4 | 770 | WEAR, WTAM | 36 | 45 | 45 |
| | 34.4 | 780 | KJR, WMBF, CKY, CNRW | 38 | _43_ | 43 |
| | 79.5 | 790 | WGY, WHAZ | 38. | -43 | 43 |
| | 74.8 | 800 | KTHS KVOO | | | 4 |
| | 70.2 | 810 | WEBH, WJJD | -23- | 26 | 262 |
| 36 | 35.6 | 820 | WDAF, WHB | | | |

| Wave | Freq. | | Di | al Settir | |
|--------|-------|--|-------|-----------|------|
| Length | Kilo | Station | No. 1 | No. 2 | |
| 361.2 | 830 | , | 34 | -39- | 12- |
| 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_ | 22 | -2.7- | 30 |
| 312.3 | 960 | CKCK, CNRA, CNRR | 1.1.1 | | |
| 309.1 | 970 | КДҚА | 25 | 28 | 2.1. |
| 305.9 | 980 | KTCL, WJAR | 2.5 | -2-8 | 28_ |
| 302.8 | 990 | WGN, WLIB | | | |
| 299.8 | 1000 | KSL, KUOA, WPG | -2-4- | 2.7- | 24- |
| 296.9 | 1010 | KPRC | | | 48 |
| 293.9 | 1020 | KTBI, WAIU, WEAO | 43 | 418 | 4.8 |
| 291.1 | 1030 | CJYC | | | |
| 288.3 | 1040 | KFKX, WLWL | | | -77 |
| 285.5 | 1050 | WEMC, WKAR, WREO | 10- | 24 | 24_ |
| 282.8 | 1060 | WOAN, WSM | 10 | | |
| 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 | | | |

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|-------------|-------|--|-------|-----------|-------|
| Length | | Station | No. 1 | No. 2 | No. 3 |
| 246 | 1220 | KFVW, WABX, WBAL, WRR, WSOE | 12 | 15 | 16 |
| 244 | 1230 | KUOM, WAMD, WATT, WEBR, WGBB, WNAX, WRAM | | | |
| 242 | 1240 | KSO, WBZA, WEBC, WOOD, WWAE | -× | _]/ | 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 | | | |
| 22 6 | 1330 | KFOR, KFWI, WBBM, WDAD, WEBL, WIBO | -10- | | 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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The Crosley 4-tube—4-29

The Crosley 5-tube-5-38

The Crescendon

In the 4-29 and the 5-38, the introduction of the Crescendon enables these two highly efficient radios to give almost unbelievable results and has lifted them away and beyond all competition.

The Crescendon is an exclusive Crosley device for increasing the weak signals of distant stations to full volume tones without distortion. Yet with these sets, loud nearby stations can always be softened practically to whispers.

Their striking beauty will please your eye, and your ear will introduce to you new qualities in radio, which you are sure to pronounce a revelation.

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