

RADIO IN DEX

The All-Wave Radio Log Authority

No. 136

MARCH - APRIL, 1940

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Reallocation This Summer

Chart showing frequencies your favorite radio station will use when reallocation goes into effect

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RADIO INDEX

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SIXTEENTH

MARCH 1, 1940

No. 136

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FOR SALE AT YOUR NEWSSTAND

Reallocation Of This Summer

For the first time since 1928, the radio stations of the United States will undergo a general reallocation of frequencies. For the first time since the beginning of broadcasting, the Republic of Mexico has become a party to a radio agreement.

As reported in the February, 1938 issue of RADEX, several of the North American countries met at the Inter-American Radio Conference in Havana, on November 1, 1937. On December 13 its work was completed, and the North American Regional Broadcasting Agreement was offered for ratification by the four major North American countries, United States, Canada, Cuba and Mexico. Cuba lost no time in signing, doing so on December 22, 1937. The United States ratified on June 15, 1938, and Canada on November 29, 1938.

The Mexican Senate, however, refused to sign, influenced, there is no doubt, by the wishes of the owners of the powerful "border stations."

Ratification of the treaty by Mexico was finally brought about by the efforts of Mr. Emilio Azcarraga, the president of Mexico City's powerful XEW, who has long been opposed to the border stations because they are directed towards an American rather than a Mexican audience. Mexican ratification finally came on December 28, 1939.

The FCC and the Canadian Broadcasting Corporation believe about six months will be required to make the change over. The actual change of all stations will be made on the same day, tentatively set for July 1, although the date may be postponed until as late as

September 1. Of the 814 stations in the United States, 734 will change frequencies—about 90% of all the stations in the country.

In only a few cases will the changes be drastic ones. Most of the stations will shift up or down the dial only a few kilocycles. Under the plan, no station will be worse off than it is at present, and in most cases, naturally, the stations will be much better off than at present, being permitted higher power, and guaranteed less interference.

Perhaps one of the most important features of the agreement is the fact that all North American radio stations will adhere to proper engineering standards; in fact, all the countries will observe identical engineering standards as suggested by the United States. Important, too, will be the extinction of the Mexican border stations.

The table which follows shows, in column "A", the frequencies in use at present. The stations operating on frequency "A" will change to the frequency shown opposite in column "B". In Column "A" there are fourteen frequencies which are not assigned to American stations at present, all of which are indicated in column "B" by an asterisk.

Reallocation Table
Column A Column B

| | | | |
|-----|-----|------|-----------------------|
| 550 | 550 | 700 | 700 |
| 560 | 560 | 710 | 710 |
| 570 | 570 | 720 | 720 |
| 580 | 580 | 730 | * |
| 590 | 590 | 740 | 750 |
| 600 | 600 | 750 | 760 |
| 610 | 610 | 760 | 770 |
| 620 | 620 | 770 | 780 or 1110 |
| 630 | 630 | 780 | 790 |
| 640 | 640 | 790 | 810 |
| 650 | 650 | 800 | 820 |
| 660 | 660 | 810 | 830 |
| 670 | 670 | 820 | 840 |
| 680 | 680 | 830 | 850 |
| 690 | * | 840 | * |
| | | 850 | 870 |
| | | 860 | 880 |
| | | 870 | 890 |
| | | 880 | 910 |
| | | 890 | 920 |
| | | 900 | 930 |
| | | 910 | * |
| | | 920 | 950 |
| | | 930 | 960 |
| | | 940 | 970 |
| | | 950 | 980 |
| | | 960 | * |
| | | 970 | 1000 |
| | | 980 | 1020 |
| | | 990 | 1030 |
| | | 1000 | 1040 |
| | | 1010 | 690, 740, 990 or 1050 |
| | | 1020 | 1060 |
| | | 1030 | * |
| | | 1040 | 1080 |
| | | 1050 | 1070 |
| | | 1060 | 1090 |
| | | 1070 | 1100 |
| | | 1080 | 1110 |
| | | 1090 | 1120 |
| | | 1100 | 1130 |
| | | 1110 | 1140 |
| | | 1120 | 1150 |
| | | 1130 | 1160 |
| | | 1140 | 1070 or 1170 |
| | | 1150 | 1180 |
| | | 1160 | 1170 or 1190 |
| | | 1170 | 1200 |
| | | 1180 | 1170 or 1200 |
| | | 1190 | 1210 |
| | | 1200 | 1230 |
| | | 1210 | 1240 |
| | | 1220 | 1250 |

| | |
|------|------|
| 1230 | 1260 |
| 1240 | 1270 |
| 1250 | 1280 |
| 1260 | 1290 |
| 1270 | 1300 |
| 1280 | 1310 |
| 1290 | 1320 |
| 1300 | 1330 |
| 1310 | 1340 |
| 1320 | 1350 |
| 1330 | 1360 |
| 1340 | 1370 |
| 1350 | 1380 |
| 1360 | 1390 |
| 1370 | 1400 |
| 1380 | 1410 |
| 1390 | 1420 |
| 1400 | 1430 |
| 1410 | 1440 |
| 1420 | 1450 |
| 1430 | 1460 |
| 1440 | 1470 |
| 1450 | 1480 |
| 1460 | 1500 |
| 1470 | 1510 |
| 1480 | 1520 |
| 1490 | 1530 |
| 1500 | 1490 |
| 1510 | * |
| 1520 | * |
| 1530 | 1590 |
| 1540 | * |
| 1550 | 1600 |
| 1560 | * |
| 1570 | * |
| 1580 | * |
| 1590 | * |
| 1600 | * |

RADEX RADIO RIDDLE

Test your knowledge of radio. If you answer all but three, it means that you get 80 points, and should be well informed about every-day radio. The correct answers are given on page 95 of this issue of RADEX.

1. A radio network is (a) the maze of wiring beneath the chassis (b) an antenna system supported between high towers (c) a system of stations making simultaneous broadcasts.

2. Most radio receivers become faulty because of (a) open circuits and short circuits (b) dirty aerial wires (c) clogged filter condensers (d) gradual loss of cathoderay electrons.

3. If "ohm" means the unit of electrical resistance, the same word spelled backward means (a) radio nonsense (b) metallic heating oven (c) electrical conductivity (d) a famous foreign radio station.

4. Marconi first demonstrated wireless because of (a) the newly invented radio tube (b) Maxwell's theory of electro-magnetic waves (c) the discovery of x-rays.

5. The farad is (a) a Turkish radio announcer (b) the unit of condenser capacity (c) a new type of microphone.

6. Discovery that Maxwell's waves would pass through air was made by (a) Benjamin Franklin (b) Heinrich Hertz (c) Thomas Edison (d) Charles Steinmetz.

7. Radio stations are compelled by law to (a) operate at least 18 hours a day (b) announce their identity whenever convenient (c) maintain constant wave frequency (d) repeat popular songs during dull moments.

8. A radio wave also is known as (a) an ultra-violet emission (b) an electronic sound wave (c) a cosmic refraction (d) a Hertzian wave.

9. The most perfect electrical insulator is (a) crystal clear glass (b) porcelain (c) polished hard rubber (d) moulded bakelite (e) distilled water.

10. When the power transformer is overloaded (a) it stops working (b) the radio signal fades (c) it gives out squeals and howls (d) its temperature rises.

11. The relationship that exists between wave length and wave frequency causes (a) excellent short-wave reception (b) one to decrease as the other increases (c) improved tone quality in the notes from the speaker.

12. In order to tune to short waves you must (a) decrease the capacity of the tuning condenser (b) increase the size of the tuning coil (c) reduce the energy of the oscillator tube.

13. Antenna insulators are corugated so as to (a) make them stronger (b) lengthen the path of electrical resistance (c) reduce their weight.

14. The best ground-wire connection is made to (a) a steam radiator (b) the plate of a light switch (c) a wire pushed into the earth outdoors (d) a cold-water pipe (e) nothing at all.

15. A radio cannot function unless it is supplied with (a) 110-volt alternating current (b) direct current (c) a loud speaker (d) a power unit and filter.

The End of Isolation

Radio is again supplying the intangible, indispensable link between the third Byrd expedition and civilization. The vast, forbidding Antarctic will be within earshot of 42nd Street, ten thousand miles away; through the ice-locked desolation surrounding Little America radio is penetrating during the long Antarctic nights. Its unseen electromagnetic waves are the messengers between the intrepid adventurers and their folk at home.

From the historic short-wave transmitting station of the General Electric Company at Schenectady, WGE0 (formerly W2XAF), radio communication is maintained with Admiral Richard E. Byrd and his men in the Antarctic. This is one of the stations that continually "talked" to Byrd and his men during their two previous Antarctic expeditions, and it is the station which they picked up more frequently than any other. The station sends on a frequency of 9530 kcs. It is still equipped with the directional antenna successfully employed in the broadcasts to the earlier Byrd expeditions. This antenna



The three-color SWL card of James W. Newman, Toronto, Ont.

was designed by Dr. E. F. W. Alexander, radio consulting engineer of the General Electric Company. Its effect is to increase the signal volume in one direction of this 100-kilowatt station about ten times.

Every other Friday night starting at 12 o'clock midnight, Eastern standard time, the short-wave radio mailbag is transmitted in the direction of the South Pole for the Byrd expedition to pick up. These programs were inaugurated on December 8, while the expedition was en route to Little America, and will be continued every two weeks until the expedition returns.

This "radio mail" is the only mail service which the expedition will receive. It is also planned to invite, on occasion, relatives and friends to talk before the microphone in Schenectady, directly to the men.

For receiving the programs Admiral Byrd has been supplied by General Electric with new types all-wave receivers. These pick up signals from 13 to 550 meters, which takes in all short-wave stations now in operation, and, in addition, all the popular broadcasting stations.

The next issue of RADEX will be on your newsstands on April 25th. Please ask your newsdealer to reserve your copy for you. Or better still, you may subscribe and receive your copies through the mail, for only \$1.25 for six issues.

Radexing With The Radexers

By Ray LaRocque

Entries are beginning to trickle into our mailbox for the Supremacy listings announced in last issue. There seem to be a few cases where our rather few rules and regulations were misinterpreted. A few were of the opinion that the Supremacy listings would include shortwave as well as broadcast stations. This is not the case. As we have our monthly "Report-o-Meter" competition for short-wave fans, this competition is intended solely for the benefit of our broadcast band DXers. Hawaiian stations are counted as TP's in the TP ratings, in answer to a few queries on that topic.

Now for the listings. We'll have to revise our plans a little to fit the new policy of RADEX. Instead of the procedure announced last time, we'll include the Supreme Supremacy, Countries verified Supremacy, and Beginner's Supremacy in each issue of RADEX. The remaining listings will appear in two installments. Four of them will be presented this month, and the remaining three will be listed next time along with a repeat of the first mentioned ratings. In only two departments, have we received a sufficient number of entries to list a first five. The others range from two to four entries in each rating.

SUPREME SUPREMACY: For total number of stations heard .

| | |
|-------------------|------|
| Walker (R1634) | 866 |
| Lippincott (R168) | 544 |
| Burnham (R1632) | 485 |
| Reichardt (R1633) | 277* |
| Ksenich (R800) | 227 |

(*) Logs and verifies only foreign stations—no domestics!

COUNTRIES VERIFIED SUPREMACY: For the highest total of countries verified.

| | |
|-------------------|----|
| Reichardt (R1633) | 55 |
| Lippincott (R168) | 25 |
| Fisher (R1629) | 5 |

Readers living in the Eastern and Central Standard Time Zones may send their reports direct to

Ray LaRocque
4 Wachusett St.
Worcester, Mass.

BEGINNER'S SUPREMACY: Total number of stations verified by DXers who have been DXing two years or less.

| | | |
|-----------------|--------|-----|
| France (R701) | 18 mo. | 475 |
| Richards (R101) | 8 mo. | 227 |
| Grannis (R1630) | 5 mo. | 99 |
| Lee (R1631) | 1 mo. | 87 |
| Fisher (R1629) | 3 mo. | 46 |

TP SUPREMACY: For the most Trans-Pacific stations verified.

| | |
|-------------------|----|
| Reichardt (R1633) | 84 |
| Tarr (RT) | 50 |
| Lippincott (R168) | 15 |

TA SUPREMACY: For the most Trans-Atlantics verified.

| | |
|-------------------|-----|
| Reichardt (1633) | 158 |
| Lippincott (R168) | 17 |

SA SUPREMACY: For the most South Americans verifies.

| | |
|-------------------|----|
| Reichardt (R1633) | 35 |
| Lippincott (R168) | 6 |

NA SUPREMACY: For the most states of the U. S., provinces of Canada, states of Mexico, and other indi-



This QSL from WMFJ, Daytona Beach, Fla., is reproduced by courtesy of Bernard Duffy.

vidual countries in North America—each small country to be classed as a state.

| | |
|-------------------|----|
| Lippincott (R168) | 69 |
| Tarr (RT) | 47 |
| Fisher (R1629) | 28 |

And that, readers, is all for this month. The complete names of the above contestants are: Joseph T. Lippincott, East Vassalboro, Maine; Jim Walker, Romney, West Virginia; Clarence Burnham, Gloucester, Massachusetts; Warren Reichardt, Danvers, Mass.; Myron Ksenich, Lorain, Ohio; Melvin Fisher, Berkeley, Calif.; Anthony C. Tarr, Seattle, Wash.; William France, Bridgeport, Ohio; Weston Richards, Zion, Illinois, Mrs. L. E. Grannis, Eureka, Calif.; Thurston Lee, Fort Benning, Ga.; Miss Bee Catalano, Chicago, Ill.

For the next issue we hope to find some changes in the Supreme Countries Verified, and Beginner's listings as well as many added entries for those which haven't appeared as yet—for the most states of this country in which every operating station has been verified; for the oldest dated verification in the possession of a DXer; and lastly for the most continents verified, or if all verified, the number of times every continent has been verified. So, get your entries in to your RADEXER in Chief now. Please send them direct to Ray La Rocque, 4 Wachusett St., Worcester, Mass.; along with any other material intended for this department.

THIS 'N' DATA

A mild mystery arose in the station operating on 1415 kcs. and announcing as "Radio International." For Alton Caldwell and others, this is the former "Radio Normandie" at Fecamp, France. For more details, see TA's in "Covering the Continents" section. . . . Radexer Caldwell sends a little veri information. KFBK card rec'd as pictured in RADEX. KFUE sent letter with Ekko stamp. VONF is white with N.B.C. (Nfld. Broadcasting Corp.) in large buff letters and blue map of New-

foundland. Very effective. . . . Peter J. Danko, 308 Lincoln Ave., Mingo Jct., Ohio wants information on the new Cuban on 1510 kcs. and the Spanish speaking station on 610 kcs. (CMOX and CMCW in Havana are both on 1510 kcs. now and share time. 610 station may be TIGPH on 605 kcs.) . . . WSB and the Atlanta Journal have been purchased by the former Gov. James M. Cox of Ohio. . . . Ralph Bates of Binghamton, N. Y. (52 Rotary Ave.) would like to know how Phillippe Bates got his XERA veri card described in a previous RADEX. RADEXER Bates of Binghamton received a letter from XERA stating that the station has no veri cards.

It isn't every city that can furnish its police cars with entertainment, but such is the case in Rochester, N. Y. WSAY on 1210 kcs. is in the heart of the city and WPDR the local police station broadcasts on 2422 kcs., only 2 kc. higher than WSAY's first harmonic. Any of the police cars in the vicinity of WSAY receive the station's harmonic very well, although WPDR drowns them when they are operating. This bit is furnished by Roy Woollacott (R1566) of Rochester. . . . Another oddity furnished by a newspaper clipping. A Waukegan, Ill. man couldn't go to sleep, because he continually heard the signals of a nearby ham station emanating from (of all things) his kitchen stove. Upon examining the stove the ham found that closing the oven door would shut the radio, pardon—the stove off. The moral of the story: Don't fall asleep and leave your oven door open. And, please Radexers, don't try using your kitchen range for DXing for your chances of duplicating the above feat are slim, and you might find things a bit too warm for comfort anyhow!

A subscription to RADEX will not only save you money, but will insure regular delivery of your magazine direct to your home each month.

Warren C. Reichardt of Reading, Mass.; who verifies only stations off the North American continent states that he does not believe this season has been as good as last thus far. There have been good periods, but they have not lasted very long. DXers this season are mistaking German stations for French and vice versa, because of the fact that French stations sometimes broadcast in German and the Germans retaliate by broadcasting in French. BBC also broadcasts in several languages this season, according to RADEXER Reichardt. . . . More veri data: WHO card shows two hemispheres at top of card and letters in green and black at bottom. CFRX has a nice card showing a picture of the Ontario Parliament Building. Thanks very much for the above, Henry Bennett of Collingwood, N. J., who is R1342. . . . XEBZ is the call of the Mexican on 810 kcs. for the benefit of Radexer Francis T. Coradetti, Narberth, Penna.

Radexer Rud Anderson, of Ambrose, N. D., is disgusted with the failure of New England stations to give widwestern DXers a break in the form of a chance to log the station. While we agree that stations in these parts are very much content with serving their own service area without giving any consideration whatever to the DXer, there is this to bear in mind. The DXer has been getting much too many breaks from stations in the past five years. Lately the stations have begun to resent the attitude of the DXer, which is very bad for our hobby. We need the co-operation of the stations. We'll never get it by continually bothering them for DX programs. Why not have it as it was in the "old days." Let the stations conduct tests at their will and notify the various clubs in advance of their intentions. Wouldn't it then be a much greater feat to hear a station under those conditions, than under the conditions that exist today when many stations are called upon to DX

even as often as once a week during the DX season?

A few more DXers have tried their hand at daytime DXing. Sterling Fisher, N. Tarrytown, N. Y., reports that 110 stations were heard from one end of the dial to the other between 10-11:30 a.m. Best among those heard were WSM, WMAQ, WPTF, WLW, WGN, WSB, WBBM, WHAS, WLS, WHO, CKLW, CBA, WBT, WCBD, KMOX, WLAC, WCKY, CKCR, TKW, and CM9RT! The other report is from Ralph Bates in Binghamton, N. Y. He states that "WPTF, WGN, WMAQ, WBT, WBBM, WLS, and WSM are heard with R9 signals all day long with WHO, WCBD, KMOX, WSB, WCCO, WWJ, WTMJ, WOI, and WCFL also heard."

Clarence Wakefield (R830) of Warton, Ontario doubts if the changes proposed by the North American Conference agreement will assist conditions any, unless the FCC stops granting licenses for so many low power stations. . . . For Bryce Ping of Columbus, Ind., and Bob Brown of Goshen, Ind., the station on 750 kcs. which announces in Spanish and sometimes uses a six note identification signal on early morning tests is LRA, "Radio del Estado," Buenos Aires, Argentina. The station tests very frequently for the U. S. Bureau of Standards. . . . How to get a veri from XEAW—that is the problem of Harry Bracken (R1429), Yonkers N. Y. . . . Bryce D. Ping of Columbus, Indiana wants to know the identity of the Spanish speaking station on 830 kcs. after KOA sign off on Sunday mornings. . . . Stations which reply to veri requests by letter are WTIC, KFJZ, WLW, WJSV, WTAM, WJJD, KDKA, WSUN, CBF, WHAS, KWKH, WBAP, WSB, WPTF, WSPD, WBTH, and WSM. These are furnished us by Earl Raybould, Nelsonville, Ohio.

A station under KFI on 640 kcs. at 2 a.m. speaking in a foreign language



Greetings from radio station KTKC, Visalia, Calif. This photograph of the station building confirms reception reports. (Courtesy of Jim Walker).

was heard by Fraser Hendrick. Anyone knowing the identity of this station please contact Radexer Hendrick at Port Credit, Ontario. . . . Howard Perking, R838, 14814 Pepper Ave., Cleveland, Ohio thinks the station he heard on Jan. 2 at 3:50 a.m. on approximately 690 kcs. was either VOWR, CJCJ or TIGH. Of the three we are inclined to say it was TIGH!

P. O. BOX R9

QUINCY, ILLINOIS — Clarence Merkel, 626 Oak: "It has been quite a long while since I have indulged in DXing! All the way from 1936 to 1939. Before this inactivity I built up a log of almost 1000 stations. Now with a new Howard 19 tube receiver, I'm well on my way to a new log of stations. Perhaps some of you old time DXers will remember KFPM the 15 watter, 10AK, 10BQ, and VE9GY. DXing in those days was quite a thing and I made many acquaintances through RADEX. Now I want to renew old acquaintances and will write to all new ones."

NORTH BRADDOCK, PENNSYLVANIA—Joe Stokes, 1716 Ridge Avenue: "A lot of water has gone over the dam since your truly quit DXing some years ago. As you know, we quit the KDKA DX Club program due to work schedules, the program having since left the air. We have recently joined the ranks of newlyweds, quit our nightly gallivant-

ing, and now find occasional time to twirl the dial of our small 6 tube Motorola. We're living in an apartment at present with no chance for a good sky wire. Bought the December issue of RADEX and particularly noticed the many new stations that have come into being within the past few years, and also pleased to note a few old timers still at the dials, viz. Joe Becker, the Eders, C. M. Falconer, Don Hill, Fred Burleigh, Paul King, and so on—hi ya gang!" (It's nice to hear from Joe again and we know his many friends of the air wish him and his XYL a lifetime of happiness.—RL)

WASHINGTON, RHODE ISLAND—Philip Potter, 21 South Main St., R1547: "Among the many interesting experiences while DXing I'd like to tell the following: When I lived in Westerly about 34 miles southwest of Washington, I could bring in WEEU in Reading Pa., on 830 kcs. and couldn't get a sound from the much nearer WHDH. When I moved here the situation just reversed itself."

CHICAGO, ILLINOIS—Sanford Ostiller, 7609 N. Sheridan, R1501: "Only recently I started to send for verification and already I have 27 among which are KLS, KFVD, XENT, KOB, XEW, KFI, KDYL; KNX, KFKA, KFEL, KGKB. Veri requests are also out to GWG, XEW, WKAQ, KFBK, and WDAE."

MOORE PARK, MICHIGAN—David H. Wing-Scobie: "I have a Montgomery Ward five tube receiver with about sixty feet of aerial 25 feet high. With this set I have heard 145 different Canadian, Mexican, and U. S. stations. I am seveteen and uninterested in stations outside of Canada and Mexico."

DETROIT, MICHIGAN — Lawrence Swanson, 2555 Beniteau, R1540: "Since I bought this receiver last summer, I have become a real DX fan. Since the war chased down most of the 20 meter DX, I have tried the broadcast band and so far have 160

stations logged with my best DX ZNS, WKAQ, WPRA, XEAC, KRBA, KFSG, KFI, and KJR."

CLEVELAND, OHIO—Arthur Parfitt, 1874 E. 87th street, R826, Va.3: "Who was broadcasting recordings on 1310 kcs. just before WRAW came on for NNRC and RADEX program on 1-1-40 from 5-5:30 a.m.? Who was broadcasting Spanish recordings from 3:50-4:30 a.m. on Jan. 6th? Who was ringing bells from 3:45-5:00 a.m. Jan. 6 on 1420 kcs., sometimes over-riding WNOE? No call was given."

SEA CLIFF, L. I., NEW YORK—Theo. J. Neider; R796: "I sincerely hope that the information I have written will be helpful to my DX friends and please excuse this writing as I have been lying supine on a board in bed for the past four years due to a fractured spine. Thanks to the hobby called DXing as it is a great help to me while I am convalescing. If any DXers care to correspond with me, why I'll be delighted to do so, and I can give many tips on broadcast band stations. (Let's all write a few lines to Radexer Neider, so that he'll have plenty of mail to answer—RL)

DELAWARE, OHIO—George Cryder: "Would like this SOS inserted in RADEX. Can any DXer who was DXing New Year's morning tell me who the English accented station on 760 kcs. was? The station used a musical, three-note chime at 6 a.m. May have been a TP!"

PHILADELPHIA, PENNSYLVANIA—Henry K. Kurtz, 3rd, 24 Benezet Street: "Sunday morning from 2-4 a.m. I had a station on 1400 kcs. They played a mixture of Spanish and American dance tunes, then a fifteen minute news broadcast at 3 a.m. All announcements were in Spanish, and I finally got the call—EFM! Does that sound right and where would it be?"—(The station heard was no doubt the all night Mexican, XESM on 1400 kcs. in Mexico City—RL)

WASHINGTON, D. C.—Ward B. Crabill, R1504: "I have logged 297 stations with 7 in Canada, 10 in Cuba, 4 in Mexico, Bahamas, and Porto Rico. I have heard 41 states including North and South Dakota and Montana."

HOBOKEN, NEW JERSEY—John Johnson, 1004 Washington Street, R1395: "First let me thank you for acknowledging my letter in last RADEX. I received a lot of correspondence from other DXers as far west as Wyoming."

WASHINGTON, D. C.—Robert M. Atwood, 309 N. J. Ave., S. E., R1355: "I DX every night in the shadow of the U. S. Capital Dome. One black south of it, to be exact. Will send information an photos to interested SWL's."

BEACH HAVEN, NEW JERSEY—Everett C. Johnson: "My log consists of 25 Cahadians, 21 Cubans, 401 Americans, 17 Mexicans, and ZNS. My total log is now 65 on broadcast band."

ROXBURY, MASSACHUSETTS—H. S. Starr, 22 Clifford Street, R599: "Do you know of a small receiver which receives only the long wave band (100-500 kcs.) which also includes the broadcasts band." (Can anyone offer any suggestions for Radexer Starr?—RL)

COVERING THE CONTINENTS

Domestic Dialings

Komments from the "K" District: KYA on 1230 kcs. at San Francisco heard daily around 2:30 a.m. . . . KFAC on 1300 kcs. at Los Angeles heard at 4 a.m. and broadcasts 24 hours a day. (Earl Reybould, Nelsonville, Ohio)

KFI on 640 kcs. at Los Angeles heard on a test at 3:05 a.m. . . . KSL on 1130 kcs. at Salt Lake City heard at 2:43 a.m. with song "Sunrise Serenade." DX tips given from 2:45 to 3 a.m. KTKC on 880 kcs. at Visalia, Calif., heard signing off at 3:07 a.m. with R7 signal. (Gilbert Harris, N. Adams, Mass.)

KYGB heard testing and requesting

reports at 4:00 a.m. on December 27. . . . GLCN in February 1929 used a power of $7\frac{1}{2}$ watts. At the time they sent me a snapshot of the rig and stated it had been heard 1750 miles. I used an old battery TRF 5 tube receiver to hear them. . . . KORN heard testing at 3 a.m. with signal of R8. (Chester Payfer, R1444, Yale, Mich.)

WWSC on 1220 kcs. at the Washington State College in Pullman, Washington has a special all request DX program on the last Sunday of each month from 3-6 a.m. using 1000 watts. All DX reports are welcome and verified. On each of these programs two prizes are offered—a box of delicious Washington State apples to the most distant listener, and another for the best letter in criticism of the program. . . . KGTM on 1200 kcs. at Jonesboro, Ark., offers a copy of the Holy Bible to the most distant listener of their program on the second Tuesday of the month from 5:40-5:55 a.m. (Theo. J. Neider, R796, Sea Cliff, L. I., N. Y.)

KTSM transmitted an FCC test on Nov. 11 and verified my report under both calls and sent me two cards, one for KTSM and one for WDAH. Watch the FCC tests for both calls are being used. . . . KLPM on 1360 kcs. heard announcing frequency check program Nov. 25 from 2-2:30 a.m. They were also heard signing on at 4:00 a.m. with a church service. . . . KOWH on 660 kcs. over-rides WEFW from 7-8 a.m. daily. . . . KVEC remains on the air an additional 15 minutes from 3-3:15 a.m. so that DXers may verify them. . . . KTRI on 14020 kcs. testing on Nov. 15 from 3-3:30 a.m. . . . KWFT is on every Sunday morning until 2:00 a.m. . . . KVIC on 1310 kcs. can be addressed, P. O. Box 726, Victoria, Texas. Chief Engineer Paul Wolf verifies by letter. . . . KVAK on 1420 kcs. heard New Year's morning with DX program lasting until after 4:30 a.m. . . . KFVD at Fort Dodge, Iowa

testing on Jan. 6 from 3-3:30 a.m. Gave station call only—no music. Also on Sunday morning from 1-7:40 a.m. on. . . . KXA on 760 kcs. at Seattle, Washington heard daily in the morning until 5 a.m. . . . KRKD on 1020 kcs. at Los Angeles, Calif., heard nearly every morning until 4 a.m. . . . KWFT on 620 kcs. at Wichita Falls, Tex., has John Adams as veri signer. . . . (Arthur Parfitt, R826, Va.3, Cleveland, Ohio)

KOY returned the dime I sent them for a veri and replied with a nice verification letter. . . . WQDM verified by letter, too. . . . KELO has a test program every Wednesday from midnight to 1:30 a.m. (Weston Richards, Zion, Ill.)

KITE in Kansas City, Mo., sent a veri card of their station. It is brown and black with a picture of a kite flying in air! . . . KNX's veri card has a picture of their new 50000 watt transmitter at Torrance Park, and a picture of their studios. H. Bowman signed it. (Philippe Bates, R1231, Philadelphia, Penna.)

KMYR are the call letters for the new station in Denver, Colo., on 1310 kcs. with 100 w. (Gerald Harris, R739-Kans.5, Kansas City, Kans.)

KCMO, which started broadcasting with 100 watts on 1370 kcs. has made very rapid progress. Power was recently jumped to 1000 watts and it will again be boosted to 5000 watts soon. . . . WDAF has increased to 5000 watts from 1000. . . . KMBC is also contemplating an increase in power to 5000 watts from 1000. (Page Brent, R372, Kansas City, Mo.)

KATE is on the air from 7:30 a.m. until local sunset. (Carl Sylvester, R36-Mich.1, Columbiaville, Mich.)

KPAC on 1260 kcs. at Port Arthur, Texas state that they are preparing to go on full time operation and will be on 1220 kcs. for their next FCC tests. (John Varga, Chicago, Ill.)

KOCY on 1310 kcs. operates daily from 7:45 a.m. to midnight. (Stephen-

son, R1470, Oklahoma City, Okla.)

KSFO has been heard through WIND but not loud enough to get any data. (Bob Brown, R1151, Goshen, Indiana)

W's in the East: WEDC heard signing off at 6 a.m. on a Sunday morning. Believe they're on every Sunday from midnight to 6 a.m. . . . WCAR in Pontiac, Mich., use 1000 watts power from 6 a.m. to 5:15 p.m. . . . WTAR can be verified on program from 7-7:45 p.m. when they play phono recordings. . . . WFIL is on every Wednesday at 5:30 a.m. with a test program. They ask for cards or letters. . . . WGNC signs on at 6 a.m. . . . WGBR dedicated an hour test to RADEX on Dec. 23. . . . (Chester Payfer, R1444, Yale, Mich.)

WSTP at St. Petersburg, Fla., heard on initial test at 2 a.m. . . . WSKB at McComb, Miss., heard every Sunday from 7-7:20 a.m. "The Voice of Southwest Miss." is the slogan. . . . WESX on 1200, the new one in Salme, Mass., can be heard from 6:30-7 a.m. on Sunday morning. . . . WSOY on 1310 kcs. will be the old WJBL which operated on 1200 kcs. They are merely discontinuing operations on 1200 kcs. and commencing on 1310 kcs. with new call. . . . WMGA on 1730 is heard mornings and sign on at 6 a.m. . . . WSPB heard testing equipment on Dec. 1. . . . WFVA on 1260 kcs. heard through WHIO at 6:30 a.m. . . . WCNC on 1370 kcs. is on at 6 a.m. and can be heard at that time here. . . . WDSM on 1200 kcs. is known as "The Voice of the Twin Ports" and is member of the Mutual Network. . . . WHOP in Hopkinsville, Ky., is now on the air, having conducted initial tests Jan. 6. . . . WHBI is on Monday mornings until 3 a.m. . . . WFVA on 1260 kcs. heard daily and sign on around 6:30 a.m. . . . Another 6 a.m. sign on is WCNC on 1370 kcs. . . . WSPB on 1420 kcs. at Sarasota, Fla., promised a beautiful photograph to

all reporters on their initial tests. (Arthur Parfitt, -R826, Va.3 Cleveland, Ohio)

WMAN, WMGA, WMOB, and WTSP have all been heard on their initial test program. . . . WCPO has a DX program every Saturday night until 2:00 a.m. (Weston Richards, Zion, Ill.)

WESX at Salem is now on the air and heard well all day. Announce as "The Voice of the North Shore." . . . WDEL is being heard here several nights a week on a virtually clear channel from 12:30-1 a.m. This might be of some help to anyone trying to log Delaware. . . . WSPB frequency check schedule is from 2:15-2:45 a.m. on the second Thursday of each month. (Alton L. Caldwell, R1319, Brockton, Mass.)

WELI signs off at midnight as does WPEN. . . . (Henry Bennett, R1342, Collingswood, N. J.)

WESX schedule is from 6:30 a.m. to midnight. (Desmond Callan, Readville, Mass.)

WSAV in Savannah has been testing with recorded music. (Allen Ver-rill, Brockton, Mass.)

WRAL is on the 20th of every month from 3-5 a.m. Veri card is sent free. (Earl Raybould, Nelsonville, Ohio)

WFAM is on daily from 8 a.m. to 1 p.m., and 4:30-9 p.m., while WSBT fills in from 1 p.m. to 4:30 p.m. and from 8 p.m. to 1 a.m. (Rogers Mais, R572, Mishawaka, Ind.)

WSTP's veri is signed by Fred Bigg and "Pinellas Broadcasting Co." is the owner. (Herbert Campbell, Athens, Pa.)

WKST has a 215 ft. antenna with studios in Cathedral Building in New Castle, Edward City and New Wilmington, Pa. (Edgar Langdon, R1597, Sharon, Pa.)

WMBC operates from 7 a.m. to midnight. . . . WWJ from 6 a.m. to 2 a.m. . . . WXYZ from 7 a.m. to 1 a.m. . . . All in Detroit. (Edmund Osoke Detroit, Mich.)

W9XC is the experimental trans-

mitter of WHO on 1000 kcs. It is not listed, but I have it verified. (Jim Walker, R575, Romney, W. Va.)

WATR in Waterbury listed as local station is actually a member of Mutual Network. (Donald Clifton, Wallingford, Conn.)

WPIC starts broadcasting at 6 a.m. and concludes at local sunset. (Bill Fleckenstein, Sharon, Penna.)

WOL schedule is from 6:30 a.m. to 2:00 a.m. and WJSV from 6 a.m. to 1 a.m. instead of as listed in RADEX. (John Kezer, R920, Washington, D. C.)

WCOA on 1340 kcs. will DX for all clubs on March 6 and 20th. The time: 4-5 a.m. All reports to be sent to George Eggart, San Carlos Hotel, Pensacola. (Peter Clarius, Port Richmond, N. Y.)

Bahama Islands: ZNS on 790 kcs. with 1000 watts can be heard between 9:30-9:45 p.m. and on Saturdays till 10:30 p.m. Signals are sometimes unusually strong. (Earl Raybould, Nelsonville, Ohio, and George Cryder, R634, Delaware, Ohio)

Canada: CBK verifies with card showing an aerial on left side of card beneath CBC. (Stephenson, R1470, Oklahoma City, Okla., and Bee Catalano, R1404, Chicago, Ill.)

CJKL is now on 560 kcs. with 1000 watts. Schedule is daily from 8 a.m. to midnight and Sunday from 10 a.m. to midnight. (John W. Harvey, R1591, Kirkland Lake, Ont.)

CKSO at Sudbury, Ont., heard one night on 1560 kcs., undoubtedly on their harmonic as they're listed as 780 kcs. (Jack Welsh, R790, Kingston, Ill.)

CKPC at Brantford signs off around 10:10 p.m. nightly after a news bulletin. (Fraser Hendrick,

CKWX on 1010 kcs. at Vancouver heard very well mornings until 4 a.m. (Arthur Parfitt, R825, Va.3, Cleveland, Ohio)

Newfoundland: VOGY on 840 kcs., VOAS on 940 kcs., and VONF of 195 kcs. have closed down and it is doubtful if it will ever be heard

again. (Owen Callin, Columbus, Ohio)

VOMA on 665 kcs. at Battle Harbour, Labrador verified by postal card saying that they use 100 watts. (Rev. J. L. Quinton, Greenspond, Nfld.)

VONF on 640 kcs. at St. Johns is heard often from 8-9:30 p.m. Veri pictures map of Newfoundland in blue on white background. (Carl Horton, Athol, Mass., and Arthur Parfitt, Cleveland, Ohio)

VOAR on 920 kcs. broadcasts on Saturday mornings and occasionally on Sunday afternoons. They broadcast religious services only. (Rev. J. L. Quinton, Greenspond, Nfld.)

Latin America

Instead of the usual forecasts this month, we are adopting a suggestion of Radexer Bob Brown. We're going to list the stations off the North American continent which have been reported the most frequently since the beginning of the DX season. The following Summary is for South America only—not all of Latin America as many consider the nearby countries as domestic DX: The big five are in order, named, LS-2 on 1190 kcs., LR-6 on 870 kcs., LR-1 on 1070 kcs., and Bogota (Call in doubt) on 1190 kcs. along with LRA on 750 kcs.

Argentina: LRA heard quite regularly in early morning testing for the U. S. Bureau of Standards on 750 kcs. A six tone whistle is used with occasional recorded music is used. Announces as "Radio del Estado," Buenos Aires. (Caldwell, R1319, Mass., Verrill, Mass., and Roy Woolacott, R1566, Rochester, N. Y.)

LS-2 on 1190 kcs. and LR-6 on 870 kcs. can be heard each Saturday a.m. around 3:30 a.m. (Desmond Callan, Readville, Mass.)

LS-5 on 1110 kcs. "Radio Rivadavia" is coming in nightly and WRVA is often hardly audible here. (Burnham, Mass.)

LS-9 on 1270 kcs. heard some evenings until 9 p.m. (Parfitt, Ohio)

BRAZIL: PRB-9 on 1000 kcs. is good on 1000 kcs. between 5:30 and 7:30 p.m. (Lippincott, Mass., Al Bartholmew, Bradford, N. Y.)

Columbia: HJ3ABD on 1104 kcs. is being heard in the evening, though their own veri lists them as 1110 kcs. (Lippincott, Me.)

HJAF on 1240 kcs. in Cartagena was heard testing in early morning hours. (Jim Walker, W. Va.)

HJ1ABN, HJAN, HJV or whatever the call may be—on 1190 kcs. is being reported often but with various sets of call letters. They are heard chiefly from 7-9 p.m., but many report them even later. We'd appreciate any official information regarding the correct call. (Parfitt, Ohio, Burnham, Mass., and Callan Mass.)

Costa Rica: TIGG on 625 kcs. reported heard often in the evening and coming on the air at 7 a.m. with organ music. (A. M. Hankins Latrobe, Penna., and Joe Piechueta, Meriden, Conn.)

TIX and not TIGPH is the call on the 605 kcs. San Joe station. This station has been heard as well as TIGP. (Lippincott, Me.)

TIEP on 830 kcs. was in the clear on early morning programs on Xmas and New Year's mornings. Watch for them on other holidays. (Parfitt, Ohio)

TILS on 880 kcs. is another heard on holiday mornings with special programs. (Parfitt, Ohio)

Cuba: We hardly know where to begin. It's impossible to compile any orderly list from the mess of contradictory reports on Cubans this month. It seems there has been a shake-up and we have the official list of changes for you. But—these changes, official as they may be are not actual as some of the stations are not using their official frequencies. Here they are officially, then following the official list a few contradictions of same list:

CMCY now on 590, CMQ on 690, CMBC on 780, CMBZ on 1010, CMBX on 1050, CMCB on 1080,

CMCU on 1110, CMBQ on 1150, CMCO on 1210, CMOA on 1210, CMBS on 1250, CMCB on 1250, CMBD on 1290, CMBF on 1290, CMC on 1350, CMBY on 1410, CMBG on 1470, CMOX on 1510, CMCW on 1510, CMCB on 1550, CMCJ on 1550, CMGH on 710, CMKW on 830, and the following new ones: CMZ at Havana on 920, CMJX at Ciego de Avila on 740, CMHO on 1000 at Cienfuegos, CMKX at Banes on 1190, CMAR at Pinar del Rio on 1400 and CMGC at Matanzas on 1400. The above changes have placed many stations on a "time sharing" basis with another station on the same channel.

CMBY on 1180 kcs. nightly with very good signal in spite of the fact that they should be officially on 1410 kcs! (RL—Mass.)

CMKG on 990 kcs. instead of the assigned 1150! CMCH on 1550 kcs. instead of 1050 kcs., CMKW on 1030 kcs. instead of 830! CMAB is on 1110 instead of 1240 kcs. (Kermit Geary, Walnutport, Penna.)

For their help with the Cuban situation we thank Nick Evangelista, William T. Wright, Arthur Parfitt, Alton Caldwell, Donald Clinton, Clarence Burnham, John Johnson, and George Crydre.

Mexico: XEDH on 1430 kcs. at Villa Acuna is on daily till 4 a.m. They offer to send souvenirs to everyone addressing reports to P. O. Box 810, Del Rio, Texas. (Parfitt, Ohio, and Verrill, Mass.)

XEFE is using about 500 watts in spite of official listings. While in Laredo this Summer the operator at KPAB gave me this information. (Samuel Meyer, Rochester, N. Y.)

XEL is heard again this winter, their 250 watts sounding like a 5000 watt domestic station. (Bob Brown, Goshen, Ind.)

XESM is now on 1400 kcs. all night messing up KHBC's signal. (Jack Welsh, Ill, and Meyer, N. Y.)

XEAW on 960 kcs. announces that all future reports for verification should be sent to Mr. Fincher,

XEAW, San Juan Texas.
 XELO is on 670 kcs. XERC
 on 830 kcs. tests Sundays mornings.
 XEAO on 660 kcs. is on daily
 until 3 a.m. Prompt QSL's signed
 by Juan A. Chavez. XEDZ
 on 810 kcs. at P. O. Box 219, Mexico
 City is on daily until 3:25 a.m. Sign
 off in English and request reports.
 (Parfitt, Ohio)

Peru: OAX4A on 854 kcs. heard in
 the evening occasionally. (Parfitt,
 Ohio and Lippincott, Me.)

Uruguay: CW-2 on 580 kcs. at
 Eloride was heard till 4 a.m. on
 Christmas morning. (Parfitt, Ohio)

CX-28 on 1090 kcs. was R5 at the
 time of hearing. The channel is clear
 in this locality in the early evening.
 Easy to log, but as for getting a
 veri??? (Burnham, Mass.)

Venezuela: YV1RK on 1250 kcs. at
 Maracaibo may be heard mornings on
 1250 kcs. before the U. S. stations
 come on the air. They sign on at 5
 a.m. on Mondays. YV4RR on
 1490 kcs. at Puerto Cabello heard on
 Christmas morning with special pro-
 gram. (Parfitt, Ohio)

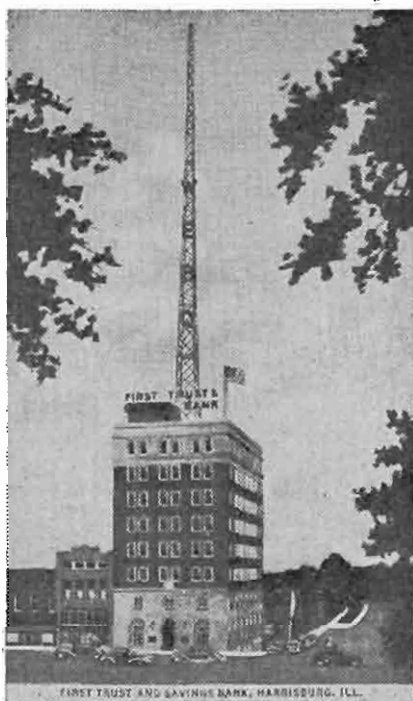
YV'RS on 1330 kcs heard in even-
 ing with R6-8 signal. (Burnham,
 Mass.)

Tuning the TA's

Five TA's most often reported
 since start of season are as follows in
 the order named: London on 1149
 kcs., Radio International on 1415 kcs.,
 Bordeaux on 1077 kcs., Tripoli on
 1104 kcs., and Rennes on 1040 kcs.

Algeria: Algiers on 941 heard in
 the early a.m. on this frequency.
 Logged only once. (Walker, Cass,
 W. Va.)

France: Here's a notice which lis-
 teners of this station in the past will
 want to read. You no longer hear
 "Radio Normandie," but "Radio In-
 ternational." They say (In English)
 that they are on the air from 7 o'clock
 in the morning to 8 in the evening
 with programs for the British expedi-
 tion in France. They use the same
 transmitter as "Radio Normandie"



Station WEBQ is located on the seventh
 floor of this building, the Harrisburg
 National Bank Bldg. in Harrisburg, Ill.
 (Courtesy of Theo. Neider).

formerly used. At 20:00 GMT they
 sign off, the frequency is announced
 at 1415 kcs. The carrier remains on
 the air and after a few minutes a lady
 announcer returns to present pro-
 grams in Czech, German and other
 languages, which last till 24:00. No
 station announcements identified dur-
 ing this last transmission. (Anton
 Jansen, Boskoop, Netherlands). All
 times mentioned in the above note
 are evidently GMT!—RL.

"Radio International" heard here
 from 2-3 a.m. with musical time table
 program in English and also heard
 in the afternoon from a short time

before sunset until 6 p.m. using foreign languages on the latter transmission. (Caldwell, Mass., Walker, W. Va., and Lippincott, Mass.)

Rennes on 1040 kcs. is good but irregular in transmission, sometimes coming on the air too late for good reception. Normally their sign on is at 1:45 a.m. . . . Lille on 1213 kcs., Antibes on 1321 kcs., Grenoble on 583 kcs., Poste Parisien on 959 kcs. (Usually smothered by XEAW), Paris PTT on 695 kcs., Nice on 1185 kcs., and Bordeaux on 1077 kcs., have all been reported more than once between the hours of 1:30-2:30 a.m. and some in the late afternoons till 6 p.m. (Lippincott, Me., Walker, W. Va., F. B. Lee, Wildwood N. J., Parfitt, Ohio, Caldwell, Mass., Burnham, Mass., and RL—Mass.)

Great Britain: Rated by many as the most easily heard TA this season is the London Overseas Service station on 1149 kcs. which comes on the air at 1 or 1:30 a.m. daily with news transmissions in various languages. Some reports rate this signal as R9! . . . Much weaker than their sister station are the two London Home Service stations on 668 kcs. and 767 kcs. Both can be heard at the same time as the Overseas station when conditions are good. (Burnham, Mass., Caldwell, Mass., Parfitt, Ohio, Coradetti, Penna., and RL—Mass.)

Germany: Stations in this country not so frequently heard this season. Schedules seem to have been changed and Frankfurt on 1195 kcs. is the only German reported heard with any degree of consistency. (Lippincott, Me., and RL—Mass.)

Italy: Turin on 1140 kcs. heard several times this season with air signal between 1-2 a.m. (Caldwell, Mass., and Lippincott, Me.)

Norway: LKS on 850 kcs. at Stravenger heard with news in Norwegian at 2-2:10 a.m. almost daily. (Parfitt, Ohio, Lippincott, Me., and RL—Mass.)

Tripoli: Tripoli on 1104 kcs. heard many times this season and provides the easiest opportunity to log an African on broadcast band ever afforded a DXer. They come on the air at 1:00 a.m. with program of music similar to oriental chanting, which lasts till about 1:45 when Italian programs are presented. Also heard in the afternoons until sign off at 6 p.m. RL—Mass., Lippincott, Me., and Burnham, Mass.)

TP Topics

Only TP's reported more than once by Eastern and Central DXers this season are as follows in the order presented: 4YA on 790 kcs., 1YA on 650 kcs., 2YC on 840 kcs., and 4BH on 1380 kcs.

Australia: 4BH on 1380 kcs. heard very weakly several mornings from 4:30-5:30 a.m. (Parfitt, Ohio)

Hawaii: KGU heard on 750 kcs. with good signal several times. (Parfitt, Ohio). . . . KGMB was R8 at sign off on frequency check at 5:30 a.m., but KHBC was almost impossible to log due to WHIS. (Bob Brown, Goshen, Ind., and Parfitt, Ohio)

New Zealand: 4YA on 790 kcs. heard with excellent signal between 3-5 a.m. (Parfitt, Ohio). . . . 1YA on 650 kcs. heard with Symphony concert in the early morning. (Brown—Ind.)

LAST MINUTE ITEM: XERA will now be found on 960 kcs. and XEAW on 970 kcs. Change was made on Feb. 8! (S. Morse, Bradford, Mass.)

News and reports this month were plentiful—for which we are both thankful and grateful. However, because of this we have had to dispense with a large number of veri signers forwarded by helpfully inclined readers, and we may have had to omit some small article you sent due to having received it from some other reporter in a previous letter. So the following names were perhaps just as much a contributing factor to the

(Please turn to page 88)

ON THE WEST COAST

By ANTHONY C. TARR

Reporters in the Mountain Standard and Pacific Time Zones may send their reports direct to Anthony C. Tarr 909 W. Lee Street, Seattle, Washington

All time shown in this column is Pacific Standard

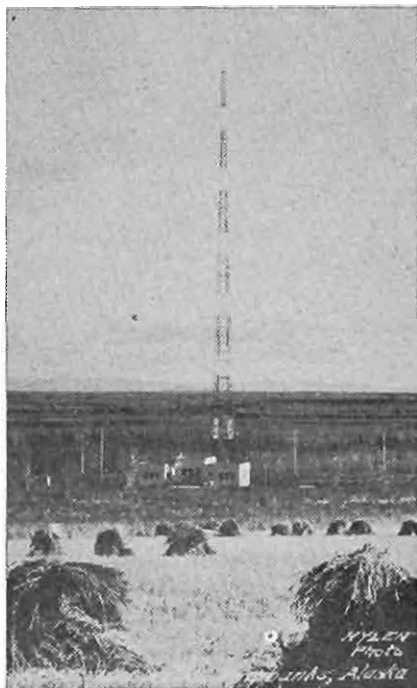
Twenty-six reporters are listed this month as contributors to and supporters of the West Coast column—a new record for us, and we are proud of the many fine reports received. Let's show those boys in the East that we are just as active as they are!

To facilitate the handling of the many reports, it will be greatly appreciated if DXers will send in their BCB and shortwave reports on separate sheets of paper. Also, separation of the latter into countries as they appear in this column, will aid us in compiling the data more quickly and accurately. When reporting shortwave stations, don't forget to give us the time and frequency, as these are most important to aid others in logging them.

We were very pleased to receive an application for membership in the Radex Club from Carroll Short Jr., W6BVZ, of Boulder City, Nevada, which now gives us a member in every state.

In answer to several inquiries, material for inclusion in this column should reach this writer by the 15th of the second month preceding date of issue, i.e.: the fifteenth of March for the May-June issue, etc.

Your columnist had the pleasure of visiting several Radexers while on a recent visit to Vancouver, B.C. We dropped in on Bob Park, Herman Orlaw, and enjoyed a fine dinner with Alfred Bacon in New Westminster. Paul Sampson, Regina, writes



The new Alaskan station, KPAR at Fairbanks, verifies reception with this photograph of their aerial and transmitter building. The chief engineer, Stanton Bennett, says that QSL cards will soon be printed. (Courtesy of D. C. Morrison).

that he met another Radexer, Wm. Flynn of Dahinda, Sask., and Melvin Fisher and Don Morrison, both of Berkeley, have been getting together quite frequently after meeting through

the pages of RADEX. Have any of the rest of you met other DXers via our column?

"Tune In" (NZDXRA) advises from New Zealand that 2FC is on 610 kc and that their regional program is being heard through 2CY, Cumnock, on 850 kc. We cannot understand why the station announcement of 2FC is allowed to be heard on 850 kc. and thus mislead listeners, but will acknowledge our quite natural error in good grace and herewith make the necessary correction.

BROADCAST BAND

Warren C. Reichardt, Reading, Mass.: In the last issue you remarked that you could not get a veri from 2NC. I sent them three reports and they very kindly verified them promptly. (Thanks for the information—we'll have to try again!—Ed.) Outside of 3LK which was a little slow in verifying, I have heard here and verified 6 Aussies on the BCB, nine New Zealanders and 16 Japanese, although I haven't heard a Japanese since 1934. (We'd say that's a fine record—Ed.)

Eugene S. Allen, 625 Georgia St., Vallejo, Cal.: I thought I would drop you a line telling of my DX with a portable dry battery receiver (Motorola 41-D) using four tubes and only the loop aerial built in the case. I have heard the following: KVOB, XET, WLW, WSB, WJR, WBBM, WFAA, KOA, XEMO, KERA, WWL, XEAC, WBT. I also heard a Japanese and believe it was JOAK-1 on 590 kc. at 3:08 am. I would like to hear from other users of portables who are DXing. (So would we! Those musical suitcases have infinite possibilities for the DXers—Ed.)

Robert Brown, Goshen, Ind.: You may think it odd that an Indiana DXer should send a report to the West Coast editor but your mention of an Aussie on 760 kc. interested me highly. This station heterodynes KXA almost nightly from as early as 2:45 am, CST, and I didn't think an Aussie could come through that early.

Could it be 2YH in New Zealand? (As mentioned last issue, this amazing signal comes from 4QS, Dalby, Queensland. Now that KXA signs off at midnight, PST, instead of 3 am, everyone is afforded an opportunity to hear 4QS, who outdo the YA's in New Zealand for strength and clarity. Why they should come in before the other TP's, we don't know. At station breaks, the calls of four stations in the fourth district are announced, of which 4QS is the last mentioned—Ed.)

Victor West, San Rafael, Cal.: I took our car out at 3:30 am to see if the radio could bring in Japan and, much to my surprise, I heard JOAK-1 and JOAK-2 on the 7-tube Motorola. During my regular mid-winter DXing, the following were logged: RW-54, MTCY, 2CR, JOAK-1, KZRM, 4QN, 2CO, JOBK-1, 3YA, 2BL, JOHK, JOIK, JBCK, JOAK-2, JOBK-1, JOJK, JOTK, JOCC, JOCK-1, JOSK, JOG, JGFK, JOQG, JOLG, JOBK-2, JOOG, JODK-1, JOXK, and JOCK-2. (That's the first report we've had on KZRM, 610 kc. Mr. West received them R-7. Likewise, none has reported MTCY prior to this. Answering his query, RW-32, Vladivostock, is listed on 635 kc. and is evidently the Russian he heard.—Ed.)

H. W. Hartley, Pearl Harbor, T.H.: I am sending a list of stations I have heard since coming to Hawaii last June. The following were the best heard on the broadcast band: KHJ, KGO, WBT, WFAA, WLW, KFBK, KFVD, WCCO, KSL, KRLD, JOAK-1, WWL, WRC, WHAM, KGDM, WENR, KOA, WJR, XEMO, KQW, KWJJ, 4YA, CFCN, and KLX. I would like to send another report as soon as I see how my new doublet works out. The RADEX tips on special programs are very much appreciated. (By all means write us again!—Ed.)

Carroll Short, Jr., Boulder City, Nev.: I am an operator at KIKH on

3190 kc, besides having my own amateur station, W6BVZ, on 80 and 40 meter CW. I worked for KMJ in Fresno and they were on seven nights a week from 12:15 am to shortly after 3:00 am sending facsimile signals. KRBK and KMJ are synchronized for their facsimile signals. That is, there is but one scanner, that being in Sacramento. Fresno's transmitter is turned off from 12:00 to 12:15 while Sacramento is receiving their front page and then Sacramento shuts down at 3:00 and the Fresno readers receive their front page then If your Eastern listeners fail to hear KTMS, Santa Barbara, it is because their principal audience lies North and South of the station and their antenna radiates a figure 8 up and down the coast.

Thos C. Roberts, Casper, Wyo.: Stations recently logged here are: CMHI, KCMO, KAWM, KSAN, KOVC, KWAL, KVFD, KOVO, CFJC, KVEC and KOBH. Best for distance heard was KGU, which I heard from 1:45 am until 2:30 am, MST, and the next best was WRVA from 4:0 to 4:45 am, BST. WEDC seems to hold the 1210 channel well enough to shut out most of the other stations and KGFJ holds fast to the 1200 spot. KFJZ has the best signal here on 1240 kcs. The best Mexican is KEQ, while XEBG usually takes out WHAS. CMX is the best Cuban for volume.

Don Morrison, Berkeley, Cal.: KBKR in Baker, Oregon, was heard testing and should soon be on the air. An unknown Spanish station was heard on 1400 kc. about 3 am. A new station logged here on 1450 kc. was XEY who announced their location somewhere in Sonora province and mailing address in Yuma, Ariz. They were first heard at 6 am with a recorded request program and R8-9 signal. Another unknown Spanish-speaking station was heard on 1010 from 5:30 to 6 am. Could this have been XEFQ? And still another station using Spanish was heard on 720 kc.

at 4:40 am. Can you help me with these? KPAC heard testing on 1200 kc. (They have a permit to change from 1260 kc.—Ed.)

Melvin Fisher, Berkeley, Cal.: A summary of my DXing to date on the broadcast band shows 191 logged and 39 veries received from 22 states out of 35 states heard. Since my last report, I have received veries from KPFA, WCKY, WIND, WSB, KGLO, CFCT, WJBW, WHAS, KGU, KWJJ, and KTKC. The last mentioned said that since changing to 890 kc, the FCC has not assigned them a frequency check but if and when they do, they will notify RADEX concerning it. I heard JOAK-1, 590, the strongest I have ever received them about 4 am with a signal completely over-riding WOW, Omaha, which had just come on the air. KOVO verified with the information that their frequency check is the 30th of the month from 12-1 am, PST.

Steve A. Engberg, Seattle, Wash.: I consider my prize station is XEME, a 50-watter located in Merida, Yucatan, on 1240 kc. It came in very clearly between 2 and 3 am and then faded out and I don't seem to get it any more. WCCO sent me some pictures of their studios and transmitter and an article telling about their new 640-foot steel antenna. (This is our first report from our own home town! The writer would be pleased to hear from more DXers in Seattle with a view toward making personal contacts and possibly forming a local chapter of the Radex Club.—Ed.)

A. E. Greenway, Dunedin, N.Z.: Station 2KA, Katoomba, on 780 kc, often runs late and has a hefty signal for their thousand watts power. All the regular New Zealand YA's and ZB's are on from 6 am to midnight local time daily, except 2XB, 1280 kc, on Sunday from 7 am till 11 pm. Station 5ZB, 1360, who was touring the North Island is now stationary at the Wellington Exhibition. 7UV, Ulverstone, is on 900 kc.

Mervyn Branks, Invercargill, N.Z.: Station 6TZ, Dardanup, Western Australia, 1340 kc, 500 watts is now on the air. 2DU Dubbo, 660 kc, increased power to 150 watts and 4RO, Rockhampton, 1080 kc, increased to 200 watts.

Clarence Lee Mustoe, Brady, Mont.: KEX, Portland, Ore. is now heard on their frequency of 1160 kcs.

H. H. Crow, Jr., Sacramento, Cal.: KFBK, and KMJ told me that they were ceasing facsimile broadcasts after the end of 1939, as they have determined all they want to know about such reception. They hope to experiment later with improved equipment. (This will be joyous news to DXers who have been missing all the frequency checks on 1500 kc!—Ed.) In the latest FCC list, WBTH is listed as interfering with WHLB. That can't be correct. WHLB is listed properly, as they just verified for that transmission. Who can straighten this out? KGLU verified with a nice letter outlining their equipment. KQW is now using 5,000 watts daytime. KARM, Fresno, tested its 250 watt transmitter December 2nd.

R. Anderson, Ambrose, N.D.: I think Morrison's Australian on 610 kc. is WIP in Philadelphia. If there is anyone out West trying to log all the U.S. stations, it's only fair to say they cannot do it at the present time. I think they are spotting their fellows in the East 40 to 50 stations, especially the ones that are checked for frequency on their regular programs. If they would DX by coming on the air a little earlier a couple of times a year, it would help us out.

C. E. Royston, Glendale, Cal.: For about ten years I have been an intermittent DXer and just recently began to be active once again. Purchasing a copy of RADEX, I noticed your column and it is a very real help to West Coast listeners. I have heard the following BCB stations lately: TGW on 1520 is best at 6 pm, coming in R8 at times. LR-1, 1070 kc, heard

as loud as R9 several evenings when WTAM is weak. Cubans CMBH, 1600, CMCF, 810, CMCK, 970, CMX, 880, and CMQ, 690 kcs—what's he doing on 690? That was definitely the call given. Japanese stations are heard regularly from about 1 am, being best at 3 am. In order of decreasing strength here: 590, 870, 810, 690, 770 and 830 kcs. Except for 1YA on 650, the other TP's are very weak.

SHORTWAVE BROADCAST

Argentina

LRX, 9660 kc, heard R7-8 from 6:45 to sign-off at 7:15 pm, playing American tunes. (Fisher).

Australia

VLW, 6130 kc, Perth, heard R3-6 from 3:00 to 4:45 am asking for reports. News in English at 3:15 am. (Flynn). Same station heard on 11830 kc. with news at 2 am. (RT). They may also be heard on 9560 kc. testing early mornings. Reports to Supt. of Broadcasting, G.P.O., Perth, West Australia.

Bahamas

ZNS2, Nassau, 6090 kc, heard with good signal early morning. (West). Schedule 5 to 6 am. (IDA).

Brazil

PSE, Rio de Janeiro, 14940 kc, heard with very good signal from 3 to 4 pm. (West).

Burma

XYZ, Rangoon, fair signal on 6007 kc. (West). Schedule 3:30 to 7 am. (IDA).

China

XPSA, Kweichow, heard on 7140 kc. from 3:45 to 4:15 am, QSA3 R7-8, smeared by code interference. (Flynn). Veries say 7140 but lately heard near 7010.

XGOX, Szechwan, 15200 kc, from 6 pm to fade-out shortly after 7 pm with very weak signal. News in English at 7:00. (Park).

KOJD, Hangkow, has moved to 6880 kc. to avoid interference. Off at 5:35 am. (DXIEC).

Watch for XOY, 9370, Chengtu, until 7:30 am. Reported back on the air. (DXIEC).

Dominican Republic

HIIL, Santiago, 6480 kc, received R9 plus early evening. (West).

HI2G, Trujillo, 9290 kc, heard with R9 signal evenings. (West).

Dutch East Indies

YBF, Medan, Sumatra, now uses 9930 kc around 3 am. (DXIEC).

PLE, Bandoeng, Java, phones the U.S. after 4 pm. (DXIEC).

England

GSI, 15250 kc, 9:30 am to 1:00 pm. GSE, 11900 kc, 2:15 pm. KSP, 15310 kc, 9:30 am to 1:00 pm and 1:15 pm to 3:00 pm. GBW, 14440 kc, 9:15 am, 11:15 am and 2:00 pm. (All foregoing from Bulmur). GSP, 15310 kc, 11:30 am. (Fisher).

Germany

DGH, 10440 kc, 3 pm. DAF, 17260 kc, 4:35 pm. DJE, 17760 kc, 4:20 pm. DXB, 9610 kc, 3:40 pm. (Bulmur). DJD, 11770, 4:00 pm. (West). DXC, 10290 kc, irregularly afternoons. (Park).

Holland

PCJ2, Huizen, 15220 kc, heard with program to N.A. at 11 am. (Bulmur).

India

VUC2, Calcutta, 4840 kc, heard R8-9 at 6 am. (West).

VUC2.

VUM2, Madras, 11870 kc, was due to broadcast from 12:30 to 1:00 am Mon., Wed., Fri. (DXIEC).

VUD2, Delhi, 9590 kc, signing on at 6:30 am by repeating two bars of a classical selection. At 7:30 o'clock strikes nine. (Flynn).

VUD4, Delhi, 15290 kc, on from 6 to 7 pm with English news at 6:50. (DXIEC).

Japan

JZJ, 11800 kc, heard R6-7 with talk in English from 9:30 to 9:50 pm and sign-off at 10:30 pm. (Fisher, Park, Sawada).

JZK, 15160, heard 5 to 6 pm with news in English at 5:20. (Bulmur, Bark).

JVA, Hokyo, phones U.S. after 4 pm with strong signal. (DXIEC).

Macao

CRY-9, 6080 kc, heard fairly well Tuesdays, 5:30 to 7 am. (DXIEC).

Martinique

"Radio Martinique", 9700 kc, heard with news in English at 3 pm, signal QSA3 R5. They called Paris one night. (Flynn, Royston).

New Zealand

4ZB, Dunedin, heard weakly on 4300 kc. (West).

Paraguay

ZP-14, Villarica, 11720 kc, heard several afternoons near 4 pm with good strength. (Park).

.. . . . **Philippines**

KZIB broadcasts simultaneously on 9500 and 6041 kc. from 3 to 4 pm and resumes again at 2:30 am. (From letter—Fisher, Fern). Latter schedule lasts until 7 am. (IDA). Heard on 6040 kc, R6-7. (West).

KZRM, 6140 kc, heard with R3-4 signal. (Fisher).

Spain

EAQ, 9860 kc, Madrid, heard with fair signals but intense fading. Directed to N.A. 4:45 to 5:50 pm. (West). Logged at 4:35 pm. (Bulmur).

Thai

HS4PJ, 6130 kc, is broadcasting simultaneously with HS8PJ daily except Mondays, 5 to 7 am. (DXIEC).

Union of So. Africa

ZRD, 6147 kc, Durban, heard once 3:30 to 4 am with R4-5 signal. (Fisher).

ZRL, 9606 kc, Capetown, very good from 8 to 8:45 am daily. (Park). Also from 8:45 to 9:50 pm nightly. (Royston).

CXA-7, Montevideo, is a new station on 11480 kc. relaying CXA-6 nightly. (IDA).

CXA-14, Colonia, another new one on 11825 kc. relaying LR-6, Buenos Aires, from about 2:00 to 6:20 pm. (IDA).

Venezuela

YV1RV, 4800 kc, Maracaibo, received at 7:10 pm. (Bulmur).

YV1RX, 4890 kc, Maracaibo, logged at 7:15 pm. (Bulmur).

ULTRA-HIGH FREQUENCY

Victor West, San Rafael, Cal., reports reception of the following: W5XAD, 25300; W9XA, 26000; W4XA, 26150; W9XAD, 25900; W9XYH, 26300; W5XAU, 26125; W8XNU, 25950.

MORE RECEIVERS

Continuing our list of receivers used by our various West Coast DX-ers, the following is gleaned from reports received: Loyd Bulmur, a 7-tube 1939 Admiral. Edwin Gumeson, a 1-tube Philmore all-wave and a 6-tube Philco. Sam Daniels, an 8-tube Silverstone battery set. H. W. Hartley, a Howard Model 430. Victor West, an ACR-136 and a Western Air Patrol, 8 tubes. Also a new PR-15. Robert Brown, an 8-tube Airline. D. Yancey, a Sky rider Defiant SX-24. Bob Sawada, a Hallicrafters SX-16, 11 tubes. R. Anderson, a Scott 23-tube Imperial. Steve Engberg, a 5-tube Zenith.

THE REPORTERS

RT—Your West Coast Editor.
 R592—Bob Sawada, Isleton, Cal.
 R673—Victor West, San Rafael, Cal.
 R839—Wm. Cunningham, Pasadena, Cal.
 R881—Clarence Lee Mustoe, Brady, Mont.
 R211 TH2—C. J. Fern, Lihue, T.H.
 R937—Wm. W. Flynn, Dahinda, Sask.
 R1016—Edwin Gumeson, Longmont, Colo.
 R1139 Wyo-4—Thos. C. Roberts, Casper, Wyo.
 R1151—Robert Brown, Goshen, Ind.
 R1203—Don Morrison, Berkeley, Cal.
 R1213—H. H. Crow, Jr., Sacramento, Cal.

(Please turn to page 95)

Radio Call Letters

The Federal Communications Commission now has approximately 65,000 active radio call letter assignments outstanding, exclusive of government stations.

In round figures, this includes some 800 standard broadcast call letters; 600 broadcast other than standard; 400 experimental; 3800 ship radio; 1800 aviation radio; 1100 police radio; 250 forestry radio; 54,000 amateur radio; 300 coastal radio; 800 fixed radio, and the rest miscellaneous.

Licensing of both radio stations and operators is now according to a definite plan. This is in contrast to the early days of radio when there was little or no system.

At the turn of the century it became apparent that wireless stations should have certain designated letters in order to avoid confusion. The Berlin international radio convention of 1906 proposed such a system, effective in 1908. This convention was not ratified by the United States until 1912, consequently the procedure of assigning call letters was not followed in this country until after that time.

Under the international system, the first letter or the first two letters of the call signals indicates the nationality of the station. Ratification of the Berlin convention gave the United States use of three letters—**N**, **K** and **W**. Hence the present domestic assignment of combinations beginning with those letters. These are allocated by the Federal Communications Commission as follows:

Call letters beginning with **N** are reserved for the exclusive use of the United States Navy and the United States Coast Guard.

Call letters beginning with **K** are assigned to stations located west of the Mississippi River and in the territories of the United States.

Call letters beginning with **W** are assigned to stations east of the Mississippi River.

Call letters beginning with **KH** followed by various combinations of three letters are reserved for aircraft radio stations.

Any existing call letter assignment not in accordance with this policy is due to the fact that the station was licensed before the allocation plan was adopted.

During the infancy of radio practically all land stations were on the coast and all communication was between ship-to-shore stations. As inland stations developed, the Mississippi River was made the dividing line of **K** and **W** calls. **KDKA**, at East Pittsburgh, Pa., is one of the early broadcast stations which were assigned the **K** letter before the present system was put into effect.

All classes of experimental stations are assigned calls with the initial letter **K** for outside stations and **W** for those within the continental limits of the United States, followed by a number designating the radio district, followed by the letter **X** to denote experimental, followed by a group of not more than two letters.

When broadcasting first gained popularity, the idea of assigning call letters that would have special significance reached its climax in picking **KOP** for a Detroit Police Department station. This brought a deluge of requests for call letters embodying the initials of places, names, or slogans. Thus we still have **WRC**, meaning Washington station of the Radio Corporation. **WGN** was assigned the "World's Greatest Newspaper" (Chicago Tribune); **WCCO**, to Washburn Crosby Company, and **WACO** to Waco, Texas. **WMMN**, Fairmont, West Virginia, bears the initials of Senator Matthew M. Neely of that State and **WJJD** was initialed for James J. Davis, head of the Loyal Order of Moose and now Senator from Pennsylvania. Miami Beach, Florida, couldn't get all the letters in its name but was appeased with **WIOD**, meaning "Wonderful Isle of Dreams."

Some call letters used today have

been inherited from stations which made headlines through tragedy. **KGB**, now assigned to a station at San Diego, was formerly used by the steamship **D. H. LUCKENBACH**, sunk by a submarine off the coast of France in 1917. **KOB**, at Albuquerque, New Mexico, was assigned to the steamship **PRINCESS** until she broke in two on Rockaway Shoals, New York. Radio played an important role in the rescue of the 106 persons on board.

| Call Signals | Country |
|---------------|---------------------|
| CAA-CEZ | Chile |
| CFA-CKZ | Canada |
| CLA-CMZ | Cuba |
| CNA-CNZ | Morocco |
| COA-COZ | Cuba |
| CPA-CPZ | Bolivia |
| CQA-CRZ | Portuguese Colonies |
| CSA-CUZ | Portugal |
| CVA-CXZ | Uruguay |
| CYA-CZZ | Canada |
| D | Germany |
| EAA-EHZ | Spain |
| EIA-EJZ | Ireland |
| EKA-EKZ | Japan |
| ELA-ELZ | Liberia |
| EPA-EQZ | Iran |
| ERA-ERZ | Japan |
| ESA-ESZ | Estonia |
| ETA-ETZ | Ethiopia |
| EUA-EYZ | Japan |
| EZA-EZZ | Germany |
| F | France and Colonies |
| G | Great Britain |
| HAA-HAZ | Hungary |
| HBA-HBZ | Switzerland |
| HCA-HDZ | Ecuador |
| HEA-HEZ | Switzerland |
| HFA-HFZ | Poland |
| HGA-HGZ | Japan |
| HHA-HHZ | Haiti |
| HIA-HIZ | Dominican Republic |
| HJA-HKZ | Colombia |
| HLA-HMZ | Japan |
| HNA-HNZ | Iraq |
| HOA-HPZ | Panama |
| HQA-HRZ | Honduras |
| HSA-HSZ | Siam |
| HTA-HTZ | Nicaragua |
| HUA-HUZ | El Salvador |
| HVA-HVZ | Vatican City |

| | | | |
|---------|----------------------|---------|-----------------------|
| HWA-HYZ | France and Colonies | XXA-XXZ | Portuguese Colonies |
| HZA-HZZ | Saudi, Arabia | XYA-XZZ | Burma |
| I | Italy and Colonies | YAA-YAZ | Afghanistan |
| J | Japan | YBA-YHZ | Netherlands Indies |
| K | United States | YIA-YIZ | Iraq |
| LAA-LNZ | Norway | YJA-YJZ | New Hebrides |
| LOA-LWZ | Argentina | YKA-YKZ | U. S. S. R. |
| LXA-LXZ | Luxemburg | YLA-YLZ | Latvia |
| LYA-LYZ | Lithuania | YMA-YMZ | Danzig |
| LZA-LZZ | Bulgaria | YNA-YNZ | Nicaragua |
| M | Great Britain | YOA-YRZ | Rumania |
| N | United States | YSA-YSZ | El Salvador |
| OAA-OCZ | Peru | YTA-YUZ | Yugoslavia |
| ODA-ODZ | Syria and Lebanon | YVA-YWZ | Venezuela |
| OEA-OEZ | Austria | YMA-YZZ | U. S. S. R. |
| OFA-OJZ | Finland | ZAA-ZAZ | Albania |
| OMA-OMZ | Czechoslovakia | ZBA-ZJZ | British Colonies |
| ONA-OTZ | Belguim and Colonies | ZKA-ZMZ | New Zealand |
| OUA-OZZ | Denmark | ZNA-ZOZ | British Colonies |
| PAA-PIZ | Netherlands | ZPA-ZPZ | Paraguay |
| PJA-PJZ | Curacao | ZQA-ZOZ | British Colonies |
| PKA-POZ | Netherlands Indies | ZRA-ZUZ | Union of South Africa |
| PPA-PYZ | Brazil | ZVA-ZZZ | Brazil |
| PZA-PZZ | Surinam | | |
| Q | (Abbreviations) | | |
| R | U. S. S. R. | | |
| SAA-SMZ | Sweden | | |
| SNA-SRZ | Poland | | |
| SSA-SUZ | Egypt | | |
| SVA-SZZ | Greece | | |
| TAA-TCZ | Turkey | | |
| TDA-TDZ | Guatemala | | |
| TEA-TEZ | Costa Rica | | |
| TFA-TFZ | Iceland | | |
| TGA-TGZ | Guatemala | | |
| THA-THZ | France and Colonies | | |
| TIA-TIZ | Costa Rica | | |
| TJA-TZZ | France and Colonies | | |
| U | U. S. S. R. | | |
| VAA-VGZ | Canada | | |
| VHA-VNZ | Australia | | |
| VOA-VOZ | Newfoundland | | |
| VPA-VSZ | British Colonies | | |
| VTA-VWZ | British India | | |
| VXA-VYZ | Canada | | |
| VZA-VZZ | Australia | | |
| W | United States | | |
| XAA-XFZ | Mexico | | |
| XGA-XUZ | China | | |
| XVA-XWZ | France and Colonies | | |

MORE ABOUT "SSSS"

The marine radio call letters "SSSS," reported used in the European war zone and mentioned in a Federal Communications Commission release of November 28, 1939, are not intended to rival "SOS" as a distress signal, the Commission is further informed.

It is pointed out that "SSSS" means, in effect, "keep away from us," while the better-known "SOS" has just the opposite meaning.

In the World War "SSSS" was adopted by the allies and was not used by neutrals, and to that extent was not, strictly speaking, an international signal, whereas "SOS" was recognized for the shipping of all nations. In the World War "SSSS" was not used as a call of distress, but was a warning to other ships that a submarine was nearby or actually threatening the vessel sending out such a call. It was the understanding that even were the ship sinking because of the submarine, the internationally recognized "SOS" would be used to summon aid.

Turner Dial Meets the Boys in the Back Room

By B. FRANCIS DASHIELL

The shop at the rear of Higrade Radio Sales and Service frequently is a popular meeting place for a number of the radio fans around town. Turner Dial aimed to close the store about 9 o'clock, but there were times when he couldn't make the boys go home. And this night was no exception. Winter still lingered, and a cold wind was blowing a light snow into the store whenever the door was opened to admit another of the clan. Customers always stayed home on nights like this.

Turner had been chatting with the boys gathered in the back room. He'd been telling them how radio had revived during 1939; that about 9 million radios had been sold for nearly 300 million dollars, and had broken all records for radio business in the United States. Radios, he declared, averaged around 30 dollars each, or about one-third of the cost just ten years ago. And today approximately 28 million homes had radios, and many of them had two or more sets.

In spite of cold facts, Turner was warm and comfortable. He leaned back in the swivel chair and puffed contentedly at his pipe. His eyes roved fondly over the many familiar boxes and radio parts stored on the well-stocked shelves. A young man, one of the group that was animatedly discussing their DX conquests, followed Dial's gaze. The former's puzzled expression showed his bewilderment when his eyes turned toward a corner of the shop.

"Turner!" he demanded. "What on earth is that string hanging there for? What's the weight on the end?"

Dial smiled and pointed with his pipe. "That's" he asked. "Why, it means I am prepared to make improvements." The inquisitive visitor plainly showed his failure to understand Turner's enigmatic reply.

Continuing, Turner added: "That is a piece of the best and strongest small fishing line that money can buy. I



tied one end to a nail near the ceiling and hung a little weight at the bottom. That stretches the line to its limit, and now it's doing a little seasoning so as to be ready for business."

"But why?" again demanded the young man. The rest of the group stopped talking and became attentive.

"A good many of these little portable radios, or the so-called a.c.-d.c. kind, were sold around Christmas," Turner remarked. "Maybe some of you have one or two in your houses. Many of them use a string that passes around the pulley on the tuning shaft to turn the condenser and tuning dial. Only ordinary string has been provided by some manufacturers, and it's not very long before the knob begins to slip and it's difficult to tune the set."

"That reminds me," remarked one member of the group. "My Mother's little bed-side set does that same thing after it has been turned on an hour or so."

"That's right," replied Turner Dial. "When the set gets warmed up the string stretches a bit, and then the knob will slip and you can't tune the set smoothly and evenly without it slipping and jerking. Now I anticipated just that very thing. So, when

a customer busts in and seems all excited about his little radio going bad a couple of months after Christmas, I quietly fix him up with a good strong string that has had all the stretch taken out, and his radio is better than when it left the factory. If any one has to do a little work like this on his radio, I advise him to try the same scheme."

"Why are they using such tuning arrangements?" asked one listener.

"Its inexpensive," replied Turner. "With a radio set of 5 and 6 tubes selling from 10 to 15 dollars you can't very well expect elaborate assembly. After all, a string around the small tuning-shaft and a larger drum on the tuning condenser will provide all the slow motion that is needed provided it takes hold and retains its position. Manufacturers also use a small spring that takes up most of the slack on the string and that keeps the tension uniform for a much longer time."

One of the young men interrupted: "I knew of a case where a service man was called in and he borrowed the string from the people and then charged for it!"

Turner Dial smiled, and then became serious. "The matter of radio service charges is becoming a serious thing. In most cases they are based on honest expenses and work. But there are times when advantage is taken. It's the same way with automobile servicing and plumbing. Guess we'll have to go into that the next time we all get together."

The front door opened and a newcomer sauntered toward the back room. "Kinda cold out there," he greeted.

"What's on your mind?" Turner Dial inquired.

"Several things," was the rejoinder. "Some friends out in the country bought a radio from one of the big mail order concerns. I visited out there last night, and it seemed to me the short waves were weak when compared to the broadcast band. What do you think about it?"

Turner again lighted his pipe and flicked the match over his shoulder. "It sometimes happens," he began, "that an all-wave set gets pretty weak on the short waves. Often all that is wrong is that the set has a bad oscillator tube. It's best to check all the tubes, and even try replacing the oscillator with a new one even if it seems to be o. k. Failure sometimes is caused by dirty switch contacts on the short-wave bands. Some sets require an adjustment of the switch tension and polishing of the contacts at intervals. However, a set that is not properly put together or designed may lose some energy on the high frequencies, for such waves are more difficult to insulate, and there may be absorption by nearby wire, windings and metal surfaces. If we had the set, we could check that, but if everything is in order, then it is likely that a new alignment of the oscillator and radio or signal circuits may be all that is necessary."

Just then the telephone rang, and Bill Wood, the young assistant at Higrade, answered. "Bring it in tomorrow," he announced. "The Boss will fix it up!" He hung up promptly.

"Man said he dug up an old radio—12 years of age," Bill informed the group. "Also said it had a switch, and when it's turned to the "on" position the signals on locals are much louder, and he wants it fixed."

Turner Dial frowned. "Perhaps it can't be fixed. Not if it's a local-distance switch like many older sets had. It gives greater amplification on distance. An extra amplifying stage is tossed into the circuit, and the power becomes greater. While distant signals are louder too, the local signals are increased so much that the difference is very noticeable. The noise background is stepped up, but the tone is spoiled a bit by cutting off some of the limits of the audio frequencies."

"Radio fans want reception of distant signals even if they have to lose

some quality of tone," remarked one young man. "As for me," he added, "I don't care how noisy the set gets, just so I can tell whether the signal comes from Australia! But I want good tone when I am listening to a local or special program from a reasonable distance."

Turner grinned. "A good many people are asking again about pre-selectors or amplifiers to use with their sets. In most cases, when the set has a maximum of about 7 to 10 tubes, a good pre-amplifier boosts up the antenna signals. But noise also is increased. You can't have one without the other!"

"Don't you believe a pre-selector would help on my 23-tube custom made receiver?" hopefully asked one listener. "The set does well now, but if I can boost up the signals I ought to get all around the world."

"Theoretically, a pre-amplifier will increase distance by stepping up weak signals so the receiver can handle them without using so much amplification or volume increase. It provides additional radio-frequency amplification which many receivers are short on. Then it's a fine thing. But when a manufacturer puts 23 tubes or more in a set he has given it all the amplification that is reasonable. Adding a pre-selector when several stages of pre-selection already are in the set, is like pouring water into the ocean—you'll never notice the effort. Of course, you can try if you want, but it's hardly worth while." Turner glanced up at the clock. In another moment he would have to send these radio fans scurrying out into the cold.

"New tubes?" Turner was asked as the group rose to their feet and advanced toward the front door. A shipment of several cartons stood against the wall.

"Pep," yawned Turner Dial. "But I understand that 90 percent of all

tube sales center around about 90 types, although 453 different tubes are now being made. The RCA engineers have selected 36 tube types which seem to fill the needs of all manufacturers for every type of radio set. Their idea is to concentrate on these few tubes, hoping there will be more standardization. It'll make it easier on radio servicemen and set owners, and we can carry a smaller stock." Dial snapped off the lights in the shop.

"Tubes ought to get cheaper with the mass production of fewer items," was one comment from the interested group.

Bill Wood chimed in with the last word: "Say! If set makers have to standardize on fewer tube functions maybe there won't be so many new and trick radio circuits for me to learn."



Francis T. Coradetti on the left, and Howard E. Ziegler, Jr., on the right. They are standing in the entrance to station WCAU, Newtown Square, Pa.

HAM HOUNDING

By Owen P. Callin

The pall of war still hangs like a spectre over the DX ham bands and the radio god has turned from the pleasant occupation of providing a hobby for thousands, to the more serious business of dispelling secrecy surrounding warring societies.

Not only has war affected the ham bands. Nature, not to be outdone by activities of a mere vassal of her's, has decreed that the ham bands go on a part-time basis and has issued strict orders to interference and skip that no signals of any distance shall go through!

Which means, my fellow-listeners, that conditions are positively and absolutely punk!

Never in our lives have we experienced such listening conditions on 20 meters—our old standby. Ten has been bad, too, although a little DX has been recorded. The result: like many others, we have been killing time by increasing our broadcast band activities.

The mention of radio dispelling secrecy in our opening paragraph is occasioned by the following incident, which you might have noticed:

Last December, when the first Canadian forces left Canada for England, the Berlin radio announced it matter-of-factly twenty minutes after embarkation. How did they get the news?

Somewhere in every country there may be unlicensed, radio transmitters. There is even one in Germany, that daily broadcasts warnings and anti-Nazi speeches to Hitler. All attempts to locate it by the German police have failed. Is it unlikely that such stations exist in Canada? In the United States?

Keep searching the air waves for these pirates, fans.

But enough of war. Let's give a look at the news.

We welcome first reports by two



A QSL card from a 1000 watt amateur station, W7BVO, Longview, Wash. The card is printed in black on a silver background. (Courtesy of Russell Feiberg).

new members of the Radex Club. Fellow Radexers, meet George Boscawen, 1684 48th Ave., of San Francisco, Cal., and David G. Thompson, 3600 22nd St., N. E., of Washington, D. C. George is R1576 and David, R1459.

George formerly thought only the hams had clubs and only discovered Radex recently. He's an avid member now! His interest lies in the 20 and 75 meter bands. David uses a Halli-crafter Sky Buddy to log his DX, including EA7BA, HA1K, HAS (on the 20-meter band), K7HCX, and many others.

Also in the news this month is the expedition of Admiral Byrd to the South Polar regions. Although the base stations are not expected to be set up until the latter part of February or March, the snow cruisers' radio is in operation.

Incidentally, W90VU, Hubert Rieck, Jr., of Chicago, was in contact with the snow cruiser recently on CW. The op on the cruiser asked Rieck to telephone Harold Vagtborg, director of the Armour Research Foundation, designer and builder of the machine, and report to him the progress of the final assembly.

Rieck asked the op across 10,000 miles of space if he had Vagtborg's

number handy. Back came the answer, "Beverly 0995."

That was quicker than reaching for a telephone directory!

Calls of the expedition are KC4USA at the base, KC4USB at the east base, and K4USC at the west base. They will be heard on 7075, 14,150, and 28,300 kcs. with a power of 400 watts on phone and 500 on CW. A number of antennas, beamed on various locations, will be used.

Alex Reid of St. Lambert, Quebec, (VE2BE) was re-elected as Canadian general manager of the American Radio Relay League, and James Shelton, of Daytona Beach, Fla., (W4ASR) was named director of the Southeastern Division in December.

ALASKA—Verification of K7HCX was received by Carl Horton (R1305), who states that on his card HCX said that he was on the air every night at 10:15 p.m., on 20-meter phone.

ARGENTINA — LU7BU and LU7BK are on 10 meters. LU6BO and LU6HC were heard on 7-mc. phone by Jack Wells, both QRMed by CW. 6BO was heard on 7.20 mcs., and 6HC on approximately 7.00 mcs. LU1QA and 7BK have verified. So has LU2AW.

AUSTRALIA—Jack reports that if you didn't get a card from VK4JR, try sending the report to the second op, Len V. Warden, Oxford St., Nundah, NE3, Brisbane, Qld., Australia. He's an SWL now and will be glad to QSL.

BELGIAN CONGO—Roy Waite, Ballston Spa, N. Y., says that his report to OQ5RC has been returned so he believes that station may be a phoney. OQ5AB (28.212 mcs.) has started to verify, and with a tan QSL with white call and with a picture of a native in the center beating a signal drum. The QRA, as given on the card, differs from that in the callbook. On the card it is: A. F. M. Schroyen, P. O. Box 1039, Elisabethville, (Katanga), Belgian Congo.

CHILE—CE3AZ, 3AG and 3CZ have been reported on 10 meters. CE2BX, LAR, and IAS will verify.

CHINA—Reports from XU are very few the past two months. XU8RB will QSL. A new one has been reported, XU8XI, but he is not listed in the Callbook.

COLOMBIA — HK4DH, HK3CI, HK4DD, and HK5EE have all been logged on the 7-mc. band, 4DH on 7.15, 3CI on 7:05, 4DD on 7.12, and 5EE on 7.13. When heard they were QSOing XE's and Co's, all in Spanish. HK3CO on 20 will verify.

COSTA RICA—TI4AC is now on 7-mc. phone (7.03) and usually QSO's with XE1BN, 1AC, 1FF, and 1BC about 12 p.m.-1 a.m. The station is owned by the two sons and daughter of the operator of TI4NRH. "Amando, Junior" is the usual op, while Carlos Francisco and Lydillia also take turns at the mike.

TI5JG was heard on 7.03 mcs. These have verified: TI2FR, 4AC, 2FG, and 2PG.

CURACAO—Victor Samardza, of the Brooklyn Chapter of the Radex Club, reports the doings of club members—which included the logging of PJ5MS on 14.255 Mcs.

ESTHONIA—Although these stations are believed to be off the air because of the war, the Brooklyn Chapter has logged in November and December ES1E, ES5C, and ES5D.

GERMANY—Also the chapter reports the reception of D4BUF. As for us, we never have heard a German amateur and are not familiar with the ham situation in that country. We welcome information about their status.

GREECE—SV2S is a bona fide ham, operating on phone on 14.105 mcs. His QRA is Elias Fonaris, Island of Syra, Greece.

GUAM—Cliff Tavener (R716) received a veri from KB6OCL giving the QRA as Cpl. Johnny Reber (ex-W3GDN), U. S. Marine Barracks, Sumay, Guam.

GUANTANAMO BAY — Although

in Cuba, this U. S. naval base may be classed as another country. NY4AB, the first station there to be licensed, will not verify by QSL but will sign prepared QSL cards. NY4AD (14.216), 175 watts, verified quickly with white card with green letters.

GUATEMALA—Three TG's have been heard on the 40-meter band. TG9RI was on 7.03 mcs., 9LT on 7.23, and 9JV on 7.23.

HAWAII — K6ACG (3.96 mcs.) and K6PRI (3.95 mcs.) were both heard on 75-meter phone. All these have been reported on 10 meters: K6PUL, BNR, PRR, OQM, PAS, MVA, NEJ, PCF, NYD, ROK, PIR, RDB, NZC, REF, PIT, RVG, OQE, ROB, OXY, and PCF.

JAPAN—J2NQ and J3CX both verified for Jack Wells. That of J2NQ is tan, with black print, and with green and black call letters. J3CX sent a handsome card, handmade, with red call and Nipponese pagoda painted in black and ivory. The power was given as 100 watts to an American tube, RCA 852, in the final. Receiver is a home-made superhet. Antenna is a Hertz. J7CB failed to QSL for Jack. Others reported heard last month are J2KN and J8CA.

MADAGASCAR — FB8AA is still being reported on 10-meter phone, so be on the lookout for him. It's a fine chance to catch this good DX country.

MADEIRA — Roy Waite reports that CT3AB, in Funchal, says that transmitting in Maderia has been forbidden by the government.

NETHERLAND EAST INDIES—All PK's were QRTed in December or late November, according to F8UE. Some may have disregarded the notices, however, and continued operation.

MEXICO—Many have been heard on 75 meters, including XE1GE (3.890), 1GK (3.700), and 2FC (3.880).

NICARAGUA—YN2FT (7.21) has been heard very nicely from 9-12 p.m.

PANAMA CANAL ZONE—Jack Wells reports that K5AM is the only Canal Zone station operating since the European War broke out. He works on 14.200 mcs. He QSL's 100 percent to any SWL correctly reporting his signals and enclosing the necessary stamp. The station is not operated by one individual but by different operators, officers and men of the Mobile Signal Platoon, U. S. Army, located at Fort de Lesseps. Power is 150 watts to a pair of TZ-40 tubes.

PARAGUAY—ZP2AA is on 20-meter phone although it is not known whether he will QSL for SWL's or not. His QRA is not in the Callbook.

PHILIPPINE ISLANDS — KA1AG (14.130) heard R6 is a native Filipino; 1GC (14.130), newly licensed in the islands, is ex-W6CIN; 1GX (14.070) is another new KA phone; ICS is running 1000 watts; 1EM, running a kilowatt, usually schedules W9RUK at 8 a.m.; 1BB (14.270) QSL's promptly with a card on which are three photo-views of the op's home on Manila Bay, his shack, and his Bassett 4-element rotary beam; 1JP has one of the most unusual QSL's in that part of the world, with a red and black call suspended on a aerial wire between two cocoanut trees, while underneath the call is the silhouette of a native sitting on top of a cart drawn by a water buffalo. Others report verifications from 1FH, 1PI, 1LZ, and 1AF.



A black and red card from Yugoslavian amateur YU7BJ. (Courtesy of Victor Samardza).

PITCAIRN ISLAND — VR6AY QSL'ed for Jack Wells after almost 24 months. The envelope the card came in was postmarked Sept. 15, which disprove some of the reports stating no ship has stopped at Pitcairn since the war broke out. However, one of the postmarks on the letter has "N. Z. Postal Agency" on it so it may have been mailed from New Zealand. The stamp is a five-cent U. S., and there you are! The QSL was signed by Andrew Young and carries only one other word on the face—"verified." A brief history is printed on the reverse side of the card, telling about the famous mutineers. A map pictured on the card shows the relationship of Pitcairn with other parts of the Pacific. There are also photos of the receiver, transmitter, and antenna.

ST. LUCA—If VP2IC has never QSL'ed for you, try her now. Since the war stopped her operating she is glad to get a card once in a while now.

SCOTLAND — GM6WD sends a card with the letters "Closed for the Duration" printed diagonally across its face.

That finishes what little news we have this month of the ham stations. In resume, we reiterate that now is the time to try for broadcast band DX, or for DX stations on 160-meter, 75-meter, or 40-meter phone. Stay on 10, too, for a few major catches.

CHATTER—Roy Waite sends the following list of those who QSL, taken from the list of non-QSL'ers sent in by A. M. Hawkins, so evidently Roy had more luck with them: ZS1AX, VK7AB, SV1KE (!!!!), HH2S, HI5X, YV5AE, HP5J, CX2AK, CE3DW, HC1JW, and VP9G, PY2FF, EI6G, K4FAY, VP7NS, and VP3AA did not get QSL Bill Wells would like to know who HJF2 and HJF4 are. He heard them just outside of the 75 meter band, a little over 4000 kcs. . . . Carl F. Horton, attention: I

live in Columbus, Ohio. . . . Walter E. Welch says that the call of the op on the S. S. Gulf Dawn is W5FTA instead of W5FPA. He also reports that W9BHP is on the S. S. Steelmaker, which sails around the world. . . . Ken Munn has a new receiver, a Skyrider Defiant and hopes to hear some swell DX if the war ends. . . . Conrad J. Klauk (R1037) sends some dope about the Byrd expedition which we gave earlier. Thanks, Con. . . . To Steve Takacs: Did you see the list last month? It was a good idea. . . . George Cryder (R634) sends a fine list of stations heard. . . . The fine reception of the TA's has kept Alton Caldwell, Jr., off the ham bands. He reports 10 heard in 1939. Tnx also for the dope on Byrd, Al. . . . Cliff Tavener hastens to point out that K4FAY does QSL at times, since he has the card. We'll stick in a point at this time and side with Cliff, because we have K4FAY's card, too. But be sure and send postage.

And that winds everything up for this time, DXers. To those of you who sent in four and five page reports, bless you. If all the Radex Club members would send me their experiences it would be fine. Surely you all don't go through a whole month without getting some kind of a thrill from your radio. Why not drop us a line and tell us about it?

We'll certainly tell our other DXers about it. After all, we are one big club and we must keep this fascinating hobby of DX alive. So let me have those reports.

The next issue of RADEX will be on your newsstands on April 25th. Please ask your newsdealer to reserve your copy for you. Or better still, you may subscribe and receive your copies through the mail, for only \$1.25 for six issues.

Amateur Calls Heard

The names and addresses of persons reporting the stations are indicated by small letters following the call signs. Key to the small letters is given at the end of the column.

10 Meters

CE1AA (e); CE2CZ (e); CE3AG (f); CE3AZ (f); CO2JM (j); CO2WM (bj); EA7BB (h); HA1K (ehj); HC1JB (g); HI7G (h); HR5C (e); KA1LZ (f); KA1ME (e); K4FKC (g); K4FOW (bej); K5AT (e); K6BNR (f); K6LEJ (f); K6MVA (f); K6MVV (e); K6NYD (f); K6OQM (f); K6PAS (f); K6PCF (f); K6PIR (e); K6PRR (f); K6PUL (f); K6RLE (e); K6ROK (f); K7KNN (e); LU1DA (g); LU2DG (e); LU7BK (e); LU7DG (e); OQ5AB (h); YV5AC (e).

20 Meters

CE1AH (i); CE1AO (k); CE1AS (h); CE3AC (c); CE3AG (bcfk); CE3BE (i); CE3BK (k); CE3CG (dfk); CE3CK (bij); CO2GL (f); CO2GY (bgi); CO2HY (i); CO2LA (b); CO2LY (fij); CO2MA (i); CO2RA (b); CO2RO (bi); CO2RR (i); CO2R (b); CO2VK (f); CO2WL (ij); CO2WM (b); CO2WR (b); CO2XY (i); CO2YW (b); CO3JM (b); CO7AS (b); CO7CX (i); CO7VP (bi); CO8BC (bi); CO8JK (b); CX1BA (k); CX2BK (k); CX2CO (bcfk); EA7BA (ak); EK1AF (abhjk); ES1E (h); ES5C (h); ES5D (h); HB9PC (h); HC1FC (h); HC1JB (k); HC2HC (i); HC2HP (bfk); HH2PB (i); HI1N (a); HI3N (bfjk); HI5X (bj); HI6Q (k); HI7G (bfj); HI7I (k); HK1AB (bk); HK1AI (k); HK3CC (j); HK3CI (k); HK3CK (fhik); HK5EJ (k); HK5EI (k); HP1A (k).

J2KN (h); J2MQ (c); J8CA (h); QA1CS (cj); KA1HR (h); KA1JP (c); KA1LZ (f); KA1ME (h); K4DDH (k); K4DSE (b); K4ENT (k); K4FKC (abcfhjk); K5AM (bfijk); K6BNR (bf); K6KGA (f); K6MVA (cfk); K6NVJ (b); K6NYD (f); K6OJI (k); K6OQE (k); K6PIT



A photograph of his very neat lay-out is used to QSL reports of W5GAU in Wharton, Texas. A photo of the "op", Bob Johnson, is in the lower right hand corner. (Courtesy of Jim Walker).

(f); K6RVU (f); K7HCS (c); K7HCX (d); LU1DA (f); LU1FC (k); LU1QA (i); LU3AA (bi); LU4BH (fi); LU4CJ (k); LU4CZ (k); LU5AN (bcfk); LU5BT (f); LU6DJ (bf); LU7BH (f); LU7BK (bcfk); LU7KW (b); LU8AB (k); LU8CP (k); LY1J (dh); OA3B (i); (a); PJ5MS (h); PK1OG (h); OA4R (hik); OZ5BW (d); OZ5ZW (h); PK2AY (h); PY1LM (k); PY2AC (fk); PY2AK (k); PY2FO (f); PY2IT (k); PY2MI (f); PY5AQ (k); SU2S (h).

TG5JG (b); TG9BA (fijk); TG9LT (k); TI2AB (k); TI2AC (k); TI2FG (k); TI2LR (f); TI2PG (k); TI2RC (fk); TI2HR (f); TI4AC (cfik); TI4JG (k); XE1AC (bk); XE1BQ (k); XE1BT (k); XE1CJ (bjk); XE1CQ (bjk); XE1CX (k); XE1DQ (b); XE1FF (k); XE1GE (k); XE1HR (hk); XE1IA (b); XE1LK (dk); XE1LK (dk); XE1LV (k); XE1Q (b); XE2AV (k); XE2FA (k); XE2GO (k); XE2HY (k); YE2IZ (k); XE2JK (k); YE2KA (j); XU1B (fh); XU8XI (h); YN1AZ (f); YN1IP (ik); YV1AB (k); YV1AN (fhk); YV1AO (h); YV1AP (k); YV1AQ (fhk); YV4AA (k); YV4AB (bjk); YV4ABG (j); YV4AE (jk);

YV4AL (jk); YV4AN (bk); YV4AO (h); YV5ABF (fhj); YV5ABY (f); YV5ACE (bck); YV5ACG (k); YV5ACJ (k); YV5AO (bfk); YV7BJ (h).

75 Meters

K4FKC, K6ACG, K6PRI, XE1GE, XE2FC, (All heard by k).

The Reporters

- (a) Robert Blanchard, Brooklyn, N. Y.
- (b) Sterling Fisher, N. Tarrytown, N. Y.
- (c) Floyd Flater, White Bear Lake, Minn.
- (d) Art. Hankins, Yatrobe, Pa.
- (e) Arthur Johnson, Brooklyn, N. Y.
- (f) Ralph Kastner, New Braunfels, Texas
- (g) Kenneth Munn, Albuquerque, N. Mex.
- (h) Victor Samardza, New York, N. Y.
- (i) James O. Weaver, Elkhart, Ind.
- (j) Walter E. Welch, Lynn, Mass.
- (k) Bill Wells, Hamilton, Ont.

THIS 'N' DATA

In "On the West Coast" recently, our good friend Tony Tarr pleads to be enlightened regarding the smallest town in the United States having a broadcasting station. Charles S. Garrison, of Tioga Center, N. Y. states that he has used an Atlas for his figures and sums up the situation as follows: "Since I cannot find the population of Zarephath, New Jersey anywhere and cannot find its location on any maps, I am lead to think that Zarephath walks away with the honor of being the smallest town in the United States with a radio station." For the benefit of skeptics Zarephath is a religious colony, a suburb of Bound Brook. They have a post office, but no railroad. Its population figures are not immediately available to us, but we're satisfied until someone else comes along to challenge our nomination of Zarephath as the smallest community having a broadcasting



A green and red SWL card from Antonio do Valle Domingues in Lisbon, Portugal.

station. . . . DX at the listening post of your Eastern Editor has not been up to par as yet this season. The TA's have failed to make their showing, though as we write this it is still a bit early for good TA reception. Mexican border stations again occupy many channels during the early morning hours. We'd like to know the real call and identity of the Mexican on 1150 kcs. in the early morning hours. It should be XEL, but we're sure our ears interpret the call as a four letter one. . . . Leon Grossman of Rochester, N. Y., asks about a Cuban heard around 1:15 a.m. on approximately 1570 kcs. Our only guess would be CMBF which is supposed to be on 1560 kcs. . . . Gerald Harris out in Kansas showers us with bouquet: "I sure got results from the letter you put in RADEX—many thanks." . . . R. Anderson relates that in the fall of 1937 when he went to California he had all but Anchorage and Ketchikan on the FCC tests. He heard all western Canadians but CFPR which he has not had a chance at, and CHWK which he can not log. . . .

KERMIT, TEX.,—James Simmons: "I first purchased a copy of RADEX in December 1938 at a local Drug Store and ever since that day I have been a full fledged DXer."

HIGH FREQUENCY GLOBE TROTTING

By Ray La Rocque

Report-o-Meter

| | |
|--------------------------|------|
| Robert Skyten | 100% |
| Gilbert Harris | 73% |
| M. F. Williams | 59% |
| A. M. Hankins | 41% |
| John D. Long | 22% |

Readers living in the Eastern and Central Standard Time Zones may send their reports direct to
Ray LaRocque
4 Wachuset St.
Worcester, Mass.

Since October, young Bobby Skyten has had to be content with a lower berth in the meter, but this month he's back on top of the heap again. It's a pleasure to note the name of a newcomer, John D. Long, who has often been among the honorable mentions, and has finally crashed the meter this month. Honorable mention is awarded to Ralph Kastener, Jim Nelson, Jack Welsh, William, Flynn Carl Horton.

ASK US ANOTHER

For Alton Caldwell WRBA reported in RADEX is the police dept. station of Milton, Mass., on 31500 kcs. using 35 watts with a 10 watt mobile transmitter on the same channel. "Now I'd like to know who the Italian station on 4700 kcs. is? This from Henry Bennett, R1342. Bill Wells of 60 Dalkeith Ave., Hamilton, Ontario would like to know if KFVE is the correct call for the tug "Montrose" on 2740 kcs. A very distorted signal is heard nearly every late afternoon and night on 18500 kcs. by Albert Clyde Houtz, 1831 Jackson Ave., Alexandria, La. He'd like to know if it is a frequency modulated station. Who announces as "Deutsche Freisheus Sender" on 10100 kcs. at 4:20 p.m? That is what R. H. Budden, 1509 Mackay St., Montreal would like to know. Spanish heard on 8200 kcs. from 6-7 p.m. No call letters are heard. Chimes are sounded at 6:55 p.m. Gil Harris, Ashland St., N. Adams, Mass., is the writer of this query.

Stephen Paul Veres, 7 Orchard St., Garfield, N. J., would like to know

where he can obtain printed SWL cards.

A mystery station heard on 6800 kcs. broadcasting oriental music around 9:40 p.m. has Ralph Kastener R1088, New Braun-

fels, Texas puzzled. Can anyone help him. . . . "Incidentally," states Roy Woolacott, R1566, 1809 Culver St., Rochester, N. Y., "What is the assigned frequency of WPDR and it's two way police cards?" Bee Catalano, R1404, 1412 Hyde Park Blvd., Chicago, Ill., would like to know if the British and German stations on shortwaves are verifying reports of reception at present. . . . Can anyone inform Donald Wheatly of the location of WVAM heard on the 40 meter band? Radexer Wheatley's address: R1033, Box 483, Chester Depot, Vt.

Identification of two Venezeulan stations on 9780 and 10100 kcs., respectively is desired by Jack Welsh, R790, Kingston, Ill. For Radexer Hankins—HVJ does verify! I received a verification from them on December 4. This from Joseph Schwartz, R1109, 1355 Morris Ave., Bronx New York, N. Y., who also answers a past query by Radexer Caldwell—WWDW is at Fourteen Foot Bank Light Welaware Bay and WWHJ is the tender "Lilac." "W9XDL at Elgin, Ill., on 12860 kcs. heard each afternoon for a week sending facsimile. Speech is often used and one day was heard in conversation with W2XGB. Station heard from 3:45-4:15 p.m. I'd like more particulars on this station."—Wm. W. Flynn, R937, Dahinda, Saskatchewan.

An English speaking station on 8500 kcs. puzzles Dan Mowen, 187 N. Chicago, Ave., Kankakee, Ill. He states tht the announcer sounds very British and that the station is heard between 10-10:15 p.m. Warren Rei-

chardt, Reading, Mass., is seeking information on the Aussie on 9640 kcs. in the early morning. . . . A. M. Hankins, R7-Pa.1, Latrobe, Penna., wants to know more about the French speaking station on 9780 kcs. (approximate) heard for one hour before signing at 9 p.m. in French and Spanish. "I did not get the call, but the last two letters sounded like 'WV,'" adds Radexer Hankins.

"In a recent RADEX in which Jim Walker mentions Radio Praha and Robert Skyten mentions an unidentified Chinese station on approximately 7960 kcs., I have checked on a station which broadcasts Oriental music and found that it was one of those Cuban stations which ramble all over the dial. The same way may be true of the other listeners who mention Oriental music on stations which they are unable to identify." The above quotation from a notation by C. C. Lance, Birmingham, Ala., who has problems to solve regarding their DX activities and for those who are able to supply the answers to someone else's problems. So please write direct to the questioner if you can solve any of the above mysteries. Your help, we know, will be appreciated. When submitting a query, be sure to give as many details as possible. Do not omit important facts like the time, frequency, languages used, and types of programs presented.

QUOTE AND UNQUOTE

William T. Wright, Larchmont, N. Y.: "How about some articles on the use of radio by the Coast Guard and its lighthouse division, the types of sets used by tugs and fishing boats, and the same for coastal harbor telephone service. For the discussion started by Princeton's Blanding on desirable locations—Of the various places where I've done my listening, I think my present location is the best for broadcast band DX.

Here the waters of Long Island Sound are only a few hundred feet away in three directions. Second best would be in the Northern Berkshires, Williamston, Mass., where, reception was good only in one direction."

Everett B. DeRigne 318 Allen t., Moberly, Mo.: "I did not thoroughly realize what DX was until I bought a November issue of RADEX. I have been a radio enthusiast since 1924 and I never knew shortwaves until this Fall, when I bought a new radio."

A. Jansen, Boskoop, Netherlands: "Radio reception has not been limited here in any way, however, but activity is almost entirely limited to reporting Europeans S. W. and B. C. stations and to exchange cards with a few European SWL's. Further activity consists mostly in listening to the new 60 meter band where I heard "Radio Barquisimeto" comparatively early in the evening."

Wendell A. Sturges, Okemos, Michigan: "Last June I bought a six tube Firestone Air Chief 1938 model R3061. Thursday night I heard my first TP station, JZK. I get London and Rome every night and have heard Germany and Russia, all on shortwaves. I have 63 stations verified in the U. S., 3 from Canada and 2 from Mexico."

Mrs. G. E. Allen, Lafayette, R. I.: "Have you heard VLQ in Sydney on 9605 kcs. and CR7BE on 9650 kcs. The last mentioned is in Portuguese East Africa. I listened to them yesterday afternoon from 2-4 p.m."

Gilbert Harris, 326 Ashland St., North Adams, Mass.: "I would like to meet SWL's in North Adams or nearby to swap DX reports. I would be glad to have any SWL's call at my new QRA."

ULTRA HIGH

W2XJI of the Mutual Broadcasting System verifies with a handsome double card in yellow and light blue, a card that would be welcomed in any collection.

W4XA on 26150 kcs. heard at 12:10 p.m. in Mass.

W5XAU on 26125 kcs. at Oklahoma City heard at 3 p.m. (in Mass.) signing off.

W5XD on 25300 kcs. is the loudest ultra high station (Ohio) and heard from 12:30-1:30 p.m.

W8XAD on 42600 kcs. is a one kilowatt frequency modulated station owned by WHEC, Rochester, N. Y. Under construction, but expected to be operating soon.

W8XUJ on 26000 kcs. is heard at 2:21 p.m. daily.

W8XVB on 43200 kcs. with 2 kilowatts is a frequency modulated station owned by WHAM in Rochester, N. Y.

W9XA on 2600 kcs. at Kansas City, Mo., has news broadcast at 1 p.m. daily. Heard very well in the east.

WELB and WELC on 31220 kcs., 35620 kcs., 37020 kcs., 39260 kcs., are relay stations of WAVE. They verified by letter.

Mystery Spanish speaking station still heard on 26000 kcs. . . . W9XJL, W9XOK, W9XPD; and W6XKG also heard (Mass.) very well. . . . W9XLA on 25400 kcs. at Denver, Colo., heard with news broadcasts (Mass.) daily from 11 a.m. to 1:50 p.m. . . . W1XW at Mt. Blue in Milton, Mass., on 30000 kcs. heard (Mass.) at 1:20 p.m. in QSO with W1XOY and W1XOV at Mt. Washington, N. H., on same frequency. . . .

NOT SO SHORT WAVES

WWMA and WWMC reply in an-

COAST TO COAST!

● The Princeton UHF Converter is being used from Quebec to Texas, California to Connecticut!

● You do not receive the full benefits from your radio unless you extend the frequency range with a converter. Over 1000 stations, besides amateurs, use Ultra High Frequencies (Ultra Short Waves). The converter is designed to operate with any superheterodyne which tunes to 15 mc. The converter is complete, and is not a diagram. For a postpaid and guaranteed converter, including directions, send 50c to Princeton Radio, Dept. E, 15889 Princeton; Detroit, Michigan.

answer to a veri request that they are operated by the border patrol and are intended for official us only and they do not feel at liberty to give general information regarding its operation. "We might, however, inform you that WWMC is located at our Border Patrol headquarters in Marine City, Mich., on the St. Clair River, approximately 40 miles from Detroit where WWMA is located. Many service automobiles and service motor boats operated in this area are furnished with one-way and two-way radio equipment. There are approximately ten border patrol radio stations located on the northern border of the United States and some five or six cated on the northern border of the states on the Mexican border.

WOX weather service was previously listed incorrectly. At this time of year WAQ and WOX broadcast simultaneously at 11:50 a.m., and 11:50 p.m. WAQ is on 2530 kcs. and WOX on 2590 kcs. WOU on 2507 kcs., has weather reports at 11:20 a.m. and p.m. and WGB on 2540 kc. at the same time.

New calls beginning with "N" have been assigned to Light ships, Light houses, and tenders on 3410 kcs. These stations operate from 8-9 a.m., 3-4 p.m. and 8-9 p.m. They are: NNBA Ambrose Light Ship, NNBS Pollick Rip ship, NNBN Nantucket Shoals Ship, NNBB Barneget Ship,

NNBK Fire Isle, NNBL Five Fathom Bank Ship, NNBT Winter Quarter Shoal Ship, NNBF Chesapeake Ship, NNBK Diamond, NNBM Frying Pan Shoal Ship, NNCC Savannah Ship, NNBW St. Johns River Ship, NNCS San Francisco Ship, NNCB Blunts River Ship, NNCR Columbia River Ship, NNCL Umatilla Reef Ship, NNCD Swift Swift Shore Ship, NNHF Five Finger Isle Lightstation, NNHJ Sentinel Isle Ship, NNHG Mary Isle Ship, NNHA Cape Decision Ship, NNHC Cape Spencer Ship, NNHB, Cape Stelias Ship, NNDK Cape Hinchbrook Ship, NNHK Scotch Gap Lighthouse, NNEO Key West Ship, NOQ Mobile Ship, NMG New Orleans Ship, NNEY New Orleans Depot Ship, NNES Marquette, Mich., NNFP Sault Ste. Marie Ship, NNFQ Sherwood Point, T. H. Ship, NNEV Milwaukee Breakwater Ship, NNFA Old Mackinog Point Ship, NNDW Detroit River, T. H. Ship, NREH Point Adams Ship, NNDT Eastern Pt. T. H. Ship, NREW Tender Lotus Ship.

"WOU is a coastal-harbor radio-telephone station, one of a group of such stations now in operation in the frequency range of 2000-2800 kcs. Like others of its kind we are not permitted to verify reception." This information through the courtesy of Marcus G. Steele, chief Technician at WOU, who adds, "Other such stations are: WOX at St. George N. Y., on 2606 kcs.; WAQ Ocean Gate, N. J., on 2522 kcs.; WCB Norfolk, Va., on 2538 kcs.; WDR Miami, Fla., on 2514 kcs., WAK New Orleans, La., on 2558 kcs., KOU San Pedro, Calif., on 2566 kcs., KLH at San Francisco on 2506 kcs., KOW Seattle, Wash., on 2522 kcs., WMI Lorain, Ohio on 2550 kcs., and CWY at Cleveland along with WAY at Lake Bluff, Ill., on unknown frequencies. Additional frequencies used by the vessels using these shore stations are: Ship to ship on 2738 kcs., coast guard on 2670 kcs., Cape God Canal stations



The entrance to one of the studios of CMHK in Cruces, Cuba. (Courtesy of J. DeRosa, St. Louis, Mo.)

(WZBA, WZBS and WZBW) on 2350 kcs. There are about 900 ships on which telephones are installed on the east coast and twice that number on the west coast. They include fishing craft, tugs, tankers, dredges, patrol boats, pilot boats, and private craft of all kinds. These include boats from 20 ft. up, also coastwise freight and passenger vessels."

SHORTWAVES IN REVIEW

Albania

ZAA on 6085 kcs. at Tirana is heard with very strong signal in the late afternoon until 5 p.m. Program closes with Italian National Marches. Verification is by booklet.

Andorra

"Radio Andorra" will be inaugurated on 25.35 meters soon and plans call for the use of French, Catalan, and Spanish on these transmissions. This should offer a new country for DX fans. This will make the second of the five miniature countries in Europe to have a broadcast station. Vatican City is the other. Liechtenstein, Monaco, and San Marino are the remaining three.

Australia

VLQ on 9515 kcs. at Sydney is a new station operating for North America from 6-6:45 a.m., 7-8 a.m., and 8:15-9 a.m. or India.

VLQ-2 on 11870 kcs. is heard around 3 a.m.

VLQ-5 on 9590 kcs. frequently

operates same schedule as VLQ mornings. All Stations announce as "The Voice of Australia" and address is Australian Broadcasting Co., Sidney, Australia.

VLW on 9650 kcs. (new frequency) at Perth, W. Australia is heard mornings with good signals until 10:30 a.m. They close with the latest news and "God Save The King."

Belgian Congo

OQ5AA on 6140 kcs., 9525 kcs., and 15170 kcs., at Leopoldville, Belgian Congo uses but 50 watts. (No reports on this yet—anyone hearing this station is a liar, hi!—RL)

Brazil

PSK on 8200 kcs. heard at the same time with same program as PSH.

Burma

XYZ on 6007 kcs. at Rangoon is being heard with weak signals from 6:30-7 a.m. (We have to make special notation on this one and reveal that Bob Skyten is the DXer to log this practically unheard of station here on the East coast.)

Canary Islands

EAJ-43 on 7490 kcs. at Tenerife broadcasts daily between 7-8 p.m. Address is Radio Club Tenerife, Santa Cruz de Tenerife, Canary Island.

Celebes

YDZ on 7680 kcs. at Menado sends a veri card showing grass long house used by natives. (Credit Bob Wilson with this honey!)

Chile

CB970 on 9710 kcs. at Santiago coming on the air at 6:30 p.m. with "Parade of Wooden Soldiers." Slight QRM from Martinique. Woman announced in Spanish.

China

XGOK on 11650 kcs. at Canton heard occasionally in the evening from 7-9 p.m. with strong signal but much fading. This station reported with English news broadcasts that seem to be definitely pro-Japanese!

XGOX on 15200 kcs. is now coming

on the air at 8:30 p.m. nightly instead of 9 p.m.

Colombia

HJCT on 9630 kcs. at Bogota heard late afternoons wiping out 2RO's signal. Announced in both Spanish and English. Very strong signal.

HJCF on 9705 kcs. at Bogota heard in the evening.

HJFK on 9730 kcs. located at Pereira comes on the air at 7:05 a.m. daily signal is R9. Chimes are used for identification. (Seems that Colombians are definitely straying back into the higher frequencies after spending a few months of seclusion on the 48-4900 kcs. band—RL)

Costa Rica

TIWS on 6380 kcs. at Puntarnas is being heard during the early hours of the evening with very strong signals.

Cuba

Down in the land of the dancing senioritas and kilocycle jumping stations, another shifting of frequencies has occurred. Briefly, let us summarize what has taken place. COBY is a new one on 9100 kcs. relaying CMBY in Havana. . . . COCQ now on 6360 kcs. . . . COBH is a new station on 9437 kcs. in Havana. . . . COCH is now on the 49 meter band—6460 kcs. to be exact. . . . COHI on the same band at 6450 kcs. . . . COX-4 on 6396 kcs. is on from 4-6 p.m. daily. COX-7 on 4290 kcs. is on from 6-8 p.m. Both are owned by the Cuban Military Section in Havana and broadcast only Cultural programs.

Dutch Guiana

PZH on 6790 kcs. at Paramaribo is on the air Tuesday and Friday from 5:40-8:40 p.m., and on Sunday from 8:40-10:40 a.m.

Ecuador

HC2CW on 9143 kcs. now, having shiften frequency.

El Salvador

YSM on 11710 kcs. heard from 8:30-9:30 p.m. Identification in English and address given as YSS National Theatre, San Salvador, El Sal-

vador. Reports requested.

YSW on 6145 kcs. is usually heard from 7-10 p.m. nightly. English announcements heard at 9 p.m. Sign off is unique—song of a bird whistling is heard before the big switch is pulled!

YSD on 7894 kcs. is also being heard in the evening.

Finland

OIE on 15190 kcs. at Lahit is still being heard in the morning at present. A Russian station was heard once from 4-5 p.m. on 11780 kcs. (OFE's frequency) broadcasting in Finnish simultaneously with RV-96 on 6030 kcs.

France

"Paris Mondial" seems to be changing frequencies as often as the Cubans of late. We'll not attempt to make any listings of call letters as these seem to represent transmitter used rather than any particular frequency. Thus it is impossible to tell the call of any particular station you are hearing as calls are not announced over the air. So, henceforth, all frequencies will be referred to as just plain "Paris Mondial."

"Paris Mondial" on 11885 kcs., 11843 kcs., and 9680 kcs. come on the air daily for the afternoon program at 1:20 p.m.

"Paris Mondial" uses 11885 kcs., 11718 kcs., and 9520 kcs., (the latter a new frequency) from 8 p.m. to 12:30 a.m.

Many other frequencies are used for various broadcasts but these are heard regularly in this area at present. 9550 kcs. reported heard at 11:45 a.m. with Oriental music, and 7200 kcs. heard at 2:00 a.m.

French Indo China

"Radio Saigon" on 11780 kcs. heard daily from 6:30-7:15 p.m. with a very strong signal, usually over-riding HP5G. They have also been reported at 10:45 with program lasting till 11:15 a.m.

Germany

DJB is heard with news in English

at 9:15 a.m., on 15200 kcs. . . . DJC on 6020 kcs. an DXB on 9610 kcs. have news at 12:10 a.m. and sign off at 1 a.m. . . . Gaellic News broadcast from DXB each Sunday 3:25.3:45 p.m. . . . DJH on 17845 kcs. heard at 8:05 a.m. and later. . . . DJQ signs off at 11 a.m. after a broadcast for Asia. . . . DJP on 11855 kcs. is being heard at various times throughout the day. . . . Another German station on 10540 kcs. heard at 6:45 p.m. relaying a program to CBS in New York. You can see, RADexers, that news of any definite schedules from Germany are also at a premium. Schedule sheets are no longer received regularly and when they are received, the news is usually too old to use.

Great Britain

Latest schedules of BBC stations can be obtained by listening to the shortwave broadcasts on Saturday nights at 8 p.m., 10 p.m., and Sunday mornings at 1 a.m., 7 a.m. and 1:45 p.m. at which time a complete summary of the programs for the week are given.

GSA on 6050 kcs. and GSB on 9510 kcs. have news in English at 1:15 a.m. . . . GSG on 9510 kcs., GSC on 9580 kcs., and GSD and 11750 kcs. have news in English at 3:50 p.m., in French at 4 p.m., and in German at 4:15 p.m. News in English is again heard at 4:45 p.m. and 11 p.m. . . . GSD on 11750 kcs., GSG on 17790 kcs., GSO on 15180 kcs., and GSJ on 21530 kcs. have news in English at 11 a.m. and sign off at 11:30 a.m. The same stations with GSI on 15260 kcs., GSO and GSJ have news in English at 1 p.m. and in Italian at 1:30 p.m. . . . GSE on 11860 kcs., GSD on 11750 kcs., and GSB on 9510 kcs. and GSC on 9580 kcs. have news in English at 7:30 p.m. . . . GSG on 17790 kcs. and GSI on 15260 kcs. have news in English at 8 a.m. . . . GSL on 6110 kcs. also carries the 11 p.m. newscast in English and is the best heard of the four stations. . . . GSV on 17810 kcs. can be heard at



KPQ, Wenatchee, Wash., located in "The Apple Capital of the World," naturally shows a couple big red apples on its QSL card. (Courtesy of Clarence Lee Mustoe).

11:30 a.m. when they have a far east program. . . . GSW on 7230 kcs. heard frequently around 6 a.m. with news at 6:30 a.m.

Haiti

..HH3W on 6345 kcs. in Port-au-Prince is heard evenings simultaneously with HH3W on 9780 kcs. Signal is very strong. Relays broadcast station HHW. Heard till 9 p.m. when they sign off in English.

India

VUD-2 on 9590 kcs. at Delhi is heard from 7-8 a.m. and from 9:30 p.m. until they fade out. News in English is heard at 10:20 p.m.

VUM-2 on 11780 kcs. heard at 5:35 a.m.

Italy

IRF and IQY are no longer being heard. It was announced over 2RO that they have ceased broadcasting. . . . 12RO-3 on 9630 kcs., 12RO-4 on 11810 kcs., and 12RO-6 on 15300 kcs. have news in English daily from 1:18 to 1:35 p.m. Reports are requested. . . . Same stations on American Hour at 7 p.m. . . . 2RO-3 is on from 1-2 a.m. with program for Australia and New Zealand . . . 12RO-15 on 11760 kcs. is a new frequency being heard from 3-5 a.m.

Japan

JVH on 14600 kcs. at Tokyo heard almost nightly with fairly strong signals after 7:30 p.m. and continuing until 9 p.m. or later. No English heard on this program.

JZJ on 11800 kcs. heard well from 4:30 p.m. to 5:30 p.m. with program directed to South America.

JZK on 15160 kcs. heard from 8-9 p.m. with program directed to North America. Signal is usually R9.

JZL on 17785 kcs. heard very faintly in the morning at 6 a.m. with no call letters mentioned. Merely mentioned that "This is Tokyo" after giving news about the far eastern situation.

Java

PMH on 6720 kcs. at Bandoeng is the best heard NIROM station at present. They are heard best around 6:30 a.m.

PLQ on 10680 kcs. heard at 7:50 a.m. with inverted speech.

YDA on 3040 kcs. at Bandoeng (another swell catch by Bob Skyten) heard with weak signals in the morning around 7 a.m.

Manchukuo

MTCY on 11775 kcs. at Hsinking broadcasts as follows: From 1:30-2:20 a.m., 9:50-10:55 a.m., and 4-4:50 p.m., the first transmission is directed to North America.

Mexico

XEQQ on 9700 kcs. heard at 1:40 p.m. with R8 signal (Texas).

Unidentified Monterey, N. L. station on 9555 kcs. heard at 10 a.m. Signal was strong, but call not identified. Musical chimes used as interval signal.

Mozambique

CR7BE on 9650 kcs. (announced 9640 kcs.) at Lourenzo Marques is the new station being widely reported on afternoon schedule from 2-4 p.m. Announcements in Portuguese and English. Address: Radio Club of Mozambique, P. O. Box 594, Lourenzo, Marques, Mozambique. They come on the air with the sound of tom-toms and close with Portuguese National Anthem. Interval signal is four musical chimes.

Netherlands

PCJ on 9590 kcs. operates Sun. 1:40-3 p.m., Mon. 7:15-9:50 p.m., Tues. 1:45-3:30 p.m., Wednesday 7-

10:15 p.m., Thurs. 7:15-8:40 p.m., and Saturday 8-9 p.m.

PCJ on 15220 kcs. operates Sun. 7:40-9:05 a.m., Mon. 7:40-9 a.m., Tues. 3-4:30 a.m. and 7:40-8:45 a.m., Weds. 7:40-10:50 a.m., Thurs. 7:40-9 a.m., Fri. 7:40-8:45 a.m., and Sat. 7:40-8:45 a.m.

PHI on 17770 kcs. operates Sunday only from 6:40-7:40 a.m. (The above schedule is the latest official).

Norway

Latest schedule of the Norwegian State S. W. Broadcasting Station at Lamberster (Oslo) is:

LKQ on 11735 kcs. from 2-2:10 a.m. and 5:15-8:50 a.m.

LKV on 15170 kcs. from 11 a.m. to 1:30 p.m.

LLH on 9645 kcs. (a new frequency) from 1:30-5 p.m. Antenna power of stations is 5 kw. Reports may be sent to Administration of Telegraphs, Radio Department, Broadcast Division, Oslo, Norway.

LLH reported very strong at 2 p.m. and appearing just a mite higher in frequency than CR7BE. . . . LKV heard coming on at 10 a.m., so they apparently do not adhere strictly to schedule.

Panama

HP5K on 6005 kcs. heard coming on the air at 7 a.m. with "Merry Widow Waltz". Signal is R9. English announcements.

HP5J on 9600 kcs. also comes on the air daily at 7 a.m.

Peru

OAX5C "Radio Universal" on 9400 kcs. heard nightly with good signals after 7 p.m. A deep-toned gong is used for identification.

Portugal

CSW-5 on 11040 kcs. is heard from noon to 3:30 p.m. with good signal.

CSW-7 on 9740 kcs. is a new frequency being heard late in the afternoon and early evening.

Roumania

"Radio Bucharesti" on 9234 kcs. heard on weekdays and Sundays from 1:15-7 p.m.

Strait Settlements

ZHJ on 6090 kcs. at Penang heard coming on the air at 5:40 a.m. Relays the B. B. C. news from London at 6:30 a.m. They are heard until around 7:40 a.m. when they fade out.

Sumatra

YDX on 7220 kcs. at Medan heard with strong signals at times. The station was heard best between 6-7 a.m. Program usually consists of native music.

Sweden

SBP on 11705 kcs. and SBU on 9535 kcs. at Motala now broadcast daily from 8-9 p.m. for North America. News in English and Swedish following the opening announcement. Opening announcement in English: "This is Sweden."

Tahiti

Verifications are beginning to arrive from FO8AA as Carl Horton and Harold Satterthwaite report receiving long overdue veris from this prized catch. Large red letters on white card with black printing.

Turkey

TAP on 9645 kcs. now operating from noon to 5 p.m. daily and from 11:30 a.m. to 4 p.m. on Sunday.

TAQ on 15195 kcs. is heard daily and Saturday from 5:30-7 a.m. and on Saturday also from 6:30-8:30 p.m.

Union of South Africa

ZTE on 11800 kcs. at Durban is a new one listed on official schedule as operating experimentally from 11:45 p.m. to 12:50 a.m., 3:30-7:30 a.m. and 9-11:15 a.m. Sun. 5:30-7:00 a.m. and 9-11:15 a.m.



The United States and Philippines flags in natural colors, the call letters in red, the printing in black, and a faint green background showing a native scene. (Courtesy of Carl Horton).

U. S. A.

KRTK, KRTC, and KRTA are the Byrd Antarctic Expedition calls assigned to the West Base, East Base, and Snow Cruiser, respectively. Frequencies to be used are 6425, 9135, 11060, 12862, 23000, 30660 kcs. Also three amateur calls have been assigned: KC4USA at the West Base, KC4USB at the East Base, and KC4USC on the Snow Cruiser. The ham frequencies are 7075, 14150, and 28300 kcs. No schedules as yet but KC4USA at the west base may be heard around March 1.

WCBX on 6120 kcs. at New York heard from midnight to 1 a.m.

WDJM on 6040 kcs. at Miami Beach heard on Saturday and Sundays from 9 p.m. to 1:06 a.m.

WRUL on 11790 kcs. and 15130 kcs. is offering an excellent "Modern Radio Course" on Fridays from 4:30-5 p.m. The same program is repeated on Mondays at 7:30 p.m. on 6040 kcs. and 11730 kcs.

Uruguay

CXA-6 on 9620 kcs. at Montevideo broadcasts from 3:30-9:30 p.m. daily and can be heard well in the evening.

U.S.S.R.

RV-96 on 6030 kcs. is heard daily from 4-5 p.m. with program in Finnish.

RAN on 9600 kcs. at Moscow heard with programs in English at 3 p.m., 4:30 p.m., and 7 p.m. for North America.

Vatican City

Radio Vatican schedule is as follows:

HVJ on 15120 kcs. from 1-1:30 p.m. on Sundays and from 10:30-11 a.m. on Tuesdays.

HVJ on 11740 kcs. from 8:30-9 a.m. on Tuesdays.

HVJ on 6190 kcs. from 2-3 p.m. on Wednesdays.

Yugoslavia

YUC on 9505 kcs. is on from 11 a.m. to 5:30 p.m. "Radio Belgrade" is the slogan.

This month we have dispensed with the crediting of each item to each particular reporter. It is our belief that you will enjoy reading this department much more without the many Radex Club indicia repeated over and over again and minus many parentheses, etc. In the list that follows acknowledgment is made to every reporter who helped compile your globe trotting department this month. We sincerely thank each one of you for your co-operation and please let us have your comments on this new method of crediting items.

RADEX REPORTERS

- R7, Pa. 1: A. M. Hankins, Latrobe, Penna.
- R101: Weston Richards, Zion, Ill.
- R220: Albert Pickering, West Medway, Mass.
- R451: Chester Roman, Chicago, Ill.
- R552: M. F. Williams, Newark, N. J.



"Wide awake and varin' to go" are the members of the Midnight Prowlers, the listeners of CKMO. (Courtesy of Paul E. George).

R575: Jim Walker, Cass, W. Va.
 R634: George Cryder, Delaware, Ohio.
 R638, Vt. 5: Edward H. Draper, West
 Burke, Vt.
 R786: Robert Skyten, E. Brookfield, Mass.
 R790: Jack Welsh, Kingston, Ill.
 R806: Mel R. Botto, Buffalo, N. Y.
 R834: G. R. Jewell, Jr., Los Angeles, Calif.
 R929: Martin Lewis, Port Washington,
 N. Y.
 R937: William W. Flynn, Dahinda, Sask.
 R946: Bertram Podall, Gilman, Vt.
 R1001: Charles Black, York, Pa.
 R1003: Donald Wheatley, Chester Depot, Vt.
 R1031: Jack Doyle, Madison, Wis.
 R1088: Ralph Kastner, New Braunfels, Tex.
 R1109: Joseph Schwartz, Bronx, N. Y.
 R1160: Jack Fern, Clifton, N. J.
 R1231: Philippe Bates, Holmesburg, Phila-
 delphia, Pa.
 R1273, Ga. 5: John D. Long, Dalton, Ga.
 R1302: William Szabo, New Brunswick, N. J.
 R1305: Carl Horton, Athol, Mass.
 R1317: Martin Olthoff, Independence, Kans.
 R1319: Alton L. Caldwell, Jr., Brockton,
 Mass.
 R1335: Robert M. Atwood, Washington, D. C.
 R1343: Henry Bennett, Collingswood, N. J.
 R1366: Jack W. Brimmer, Camden, N. J.
 R1404: Mrs. Bee Catalano, Chicago, Ill.
 R1431: Albert Clyde Houtz, Alexandria, La.
 R1457: William Gilmer, Portsmouth, Ohio.
 R1591: John W. Harvey, Ontario.
 Mrs. G. E. Allen, Lafayette, R. I.
 Kenneth G. Austin, Waterville, Me.

Samuel Brodsky, New York, N. Y.
 R. H. Budden, Montreal, P. Q.
 Clarence Burnham, Gloucester, Mass.
 Owen Callin, Columbus, Ohio.
 Everett B. DeRigne, Moberly, Mo.
 Carl Forestieri, Bronx, N. Y.
 J. F. Gomez, Havana, Cuba.
 James J. Halsema, Duham, N. C.
 Gilbert Harris, North Adams, Mass.
 H. Horlick, Youngstown, Ohio.
 Anton Jansen, Boskoop, Netherlands.
 C. C. Lance, Birmingham, Ala.
 Dan Mowen, Kankakee, Ill.
 Alfred Mozzi, Meriden, Conn.
 Jack Nelson, Brooklyn, N. Y.
 Jim Olsen, Jr., Baltimore, Md.
 Rev. J. L. uinton, Greenspond, Nfld.
 Warren C. Reichardt, Reading, Mass.
 G. Lothrop Ricker, Cherryfield, Me.
 Wendell A. Sturgis, Okemos, Mich.
 Stephen Paul Veres, Garfield, N. J.
 Bill Wells, Hamilton, Ont.
 Robert Wilson, Portland, Me.
 T. L. Wirts, Allentown, Penna.
 Richard Wright, Swarthmore, Penna.
 William T. Wright, Larchmont, N. Y.

If you like RADEX why not tell your friends? When an article in this magazine strikes you as being unusually good, please tell your friends to get a copy at the newsstands, and read it.



National Radio Club Convention Picture. From left right, in the back row, are Elmer Wokaty, Ray Edge, Stephen Mann, Robert Breymaier, Max Demuling, Harry Gordon, Tom Carberry, Jack Siringer, John Kalmbach, Bill Stone, Hans Jacobson, Fred Merritt, Merlin Steen, Francis Ribble, H. E. Herman. Second row standing: Grant Batson, Tony Evangelista in back of Ed Feichner, then Pat Reilly, Mrs. Joseph Schopmeyer.

Behind the NRC sign are Leo Herz, Morton Meehan, Fred Alfred, and then, standing in second row are: Bob Botzum, Curtis Dockweiler, William D. Stine, Dick Cooper.

Sitting in front row are: Joseph Schopmeyer, Harry Sands, Joe Becker, Francis Gmeiner, Nick Evangelista, Herbert Burstrom, Al Bartholomew, and Harold Burstrom.

DXer's Appointment Calendar

The time shown in this Calendar is EST. For CST, subtract 1 hour; for MST, subtract 2 hours; for PST, subtract 3 hours; for GMT, add 5 hours.

Clubs: Newark News Radio Club (NNRC); Universal Radio DX Club (URDXC); National Radio Club (NRC); International DXers Alliance (IDA); DXers International Exchanges Club (DXIEC); World DX Alliance (WDXA).

March 3, 4-4 am, KUIN, Grants Pass, Ore., 1310 kcs. (Featuring the Oregon Cavemen; all correct reports will be verified for return postage).

March 3, 3-4 am, XEBP, Torreón, Coah., 1150 kcs. (URDXC).

March 10, 4:30-5:30 am, XEA, Campeche, Cam., 1400 kcs. (URDXC).

March 10, 4:30-5:30 am, XEAG, Cordoba, Ver. C., 1310 kcs. (URDXC).

March 10, 6-7 am, XEDR, Guaymas, Son., 1490 kcs. (URDXC).

March 11, 4-5:30 am, XEAT, Parral, Chih., 1210 kcs. (URDXC).

March 12, 3-4 am, FQN, t. Pierre, Miquelon, 605 kcs. (NRC).

March 17, 4:30-5:30 am, XEDS, Mazatlan, Sin., 1400 kcs. (URDXC).

March 20, 3:15-4:15 am, HOC, Panama City, Panama, 1440 kcs. (NRC-URDXC).

March 20, 4-5 am, TIRS, San Jose, Costa Rica, 925 kcs. (URDXC).

March 24, 4-5 am, XEZ, Merida, Yuc., 630 kcs. (URDXC).

March 26, 4-5 am, XEL, Morelia, Micho., 1370 kcs. (URDXC).

March 27, 3-4 am, XEFI, Chihuahua, Chih., 1440 kcs. (URDXC).

March 31, 4-5 am, XEFQ, 1010 kcs., Cananea, Son. (URDXC).

Apr. 5, 4-5 am, TILJ, San Jose, Costa Rica., 775 kcs. (URDXC).

Apr. 7, 4:30-5:30 am, TGX, Guatemala City, 1400 kcs., and TGXI, 5850 kcs. (URDXC).

Apr. 8, 4:30-5:30 am, XESM, Mexico City, D. F., 1400 kcs. (URDXC).

Apr. 10, 4-5 am, XEY, San Luis Rio Colonia, Son., 1450 kcs. (URDXC).

Apr. 13, 4:30-5:30 am, XEXT, Tepic, Nayarit, 1240 kcs. (Send IRC or unused 10 cvos. Mexican stamps). (URDXC).

Apr. 15, 4:30-5:30 am, XEX, Monterrey, N. L., 1310 kcs. (URDXC).

Apr. 16, 4-5 am, XECZ, San Luis Potosi, S. L. P., 1370 kcs. (URDXC).

Apr. 20, 3-4 am, XEFI, Chihuahua, Chih., 1440 kcs. (URDXC).

Regular DX Programs

First day of month, 4-4:30 am, WPAY, 1370 kcs., Portsmouth, Ohio.

Last day of month, 3-5 am, KWSC, 1220 kcs., Pullman, Wash.

Every Saturday, 2-3 am, WMBI, Chicago, Ill., 1080 kcs.

Every Saturday, 2:30-2:45 am, KLS, 1280 kcs., Oakland, Calif.

Every Saturday, 10:15-10:30 am, WEEU, 830 kcs., Reading, Pa.

Every Saturday at 10 pm, YN3DG, 13900 kcs., Leon, Nicaragua. (Spatari—10c for veries).

Every Saturday, 4:15-4:45 pm, W2XJI, 26300 kcs., Newark, N. J. (NNRC tips).

Every Saturday, 10 pm, YN3DG, 13900 kcs., Leon, Nicaragua. (Spatari program).

Every Sunday, 2-2:30 am, TG1 on 1310 and TG2 on 6190 kcs., Guatemala City, Guat.

Every Sunday, 3-5 am, CKLN, Nelson, B. C., 1420 kcs.

Every Sunday, 10:15-10:45 am, CFCO, 630 kcs., Chatham, Ont.

Every Sunday, 3-5 am, XEAC, 980 kcs., Tijuana, B. Cfa.

Every Sunday, 12:30-1 am, TGQA on 6400 and TGQ on 1450 kcs., Quetzaltenango, Guatemala. (Spatari program, all reports verified free).

First Sunday, at 1 am, YN3DG, 13900 kcs., Leon, Nicaragua. (Spatari program).

First and Third Sunday, 2-4 am, WJBO, 1120 kcs., Baton Rouge, La.

Every Tuesday, 11:45 am-noon, W9XA, 26450 kcs., Kansas City, Mo.

Every Wednesday, 12:30 am, KOY, 1390 kcs., Phoenix, Ariz.

First and Third Wednesday, 1:45-2 pm, WTAR, 780 kcs., Norfolk, Va.

Every Thursday, 2:45-3 am, KSL, 1130 kcs., Salt Lake City, Utah. (Spatari announcements).

1st to 7th, midnight to 6 am, KPAB, 1500 kcs., Laredo, Tex. (Mexico Tourist Program; Mexican souvenirs sent to reporters).

8th to 14th, midnight to 2 am, KPAB, 1500 kcs., Laredo, Tex. (Mexico Tourist Program; Mexican souvenirs sent to reporters).

15th to 31st, midnight to 6 am, KPAB, 1500 kcs., Laredo, Tex. (Mexico Tourist Program; Mexico souvenirs sent to reporters).

Second Friday, 12:30-1 am, WJAG, 1060 kcs., Norfolk, Nebr.

The next issue of RADEX will be on your newsstands on April 25th. Please ask your newsdealer to reserve your copy for you. Or better still, you may subscribe and receive your copies through the mail, for only \$1.25 for six issues.

The SHORTWAVE STATIONS

● The shortwave list, arranged by frequencies in kilocycles, gives the schedules of the shortwave broadcasting stations. When requesting verifications from radio stations, return postage should always be sent. Return postage to foreign countries can be sent in the form of an International Reply Coupon, available at any post office at 9c each. Unused postage stamps from many foreign countries, which can be sent instead of Reply Coupons, are available from the Return Postage Bureau, 85 Francisco Ave., Rutherford, N. J.

Time is Eastern Standard.

Subtract 1 hour for Central, 2 hours for Mountain and 3 hours for Pacific.

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| 2320 TGWC | Guatemala City, Guat. 1 kw. See TGWA. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Other days, 7:45-9 am; 12-45-3:45 pm; 7:30 pm-12:15 am. | 4810 YV1RU | Maracaibo, Venez. "Radio-difusora Maracaibo," Luis Mantellini H. |
| 2340 HOA | Panama City, Panama. "Ron Dalley," Salvador Graziani, Box 1121. (6-10 pm). | 4815 HJ2BAB | Cucuta, Colombia. 600 w. Relays HJ2BAC, "La Voz de Cucuta." |
| 2437 HRN | Tegucigalpa, Honduras. 500 w. Noon-1:30 pm; 7-10:30 pm. "La Voz de Honduras." | 4820 YV3RN | Barquisimeto, Venez. "Radio Barquisimeto," Amilcar Segura. |
| 3400 YV5RW | Caracas, Venez. "Radio Turmerito," Cesar Banuls. | 4825 HJ5EAD | Cali, Colombia. 720 w. "La Voz del Valle." |
| 3450 YV6RC | Barcelona, Venez. Gobierno Edo Anzoategui. | 4830 YV5RH | Caracas, Venez. Relays YV5RG, "Ondas Populares," Gonzalo Velloz Mancera, Apto. 1931. |
| 3480 YV3RF | Acarigua, Venez. "La Voz del Llano," Pausides Sigala. | 4835 HJ1ABE | Cartagena, Colombia. 525 w. Relays HJ1ABF, "La Voz de los Labs. Fuentes," Apartado 31. |
| 3480 ZZB | Wellington, New Zealand. 200 w. At 7 am. | 4840 VUC2 | Calcutta, India. 10 kw. 7:30 am-1 pm. All-India Radio. |
| 3488 XZZ | Rangoon, Burma. 50 w. W. J. Byrnes, Burma Independent Wireless Sub-Division, Strand Road. (Sun, 8:30-10:30 pm; Daily 5:30-9 am; 8:20-10:30 pm). | YV4RX | Maracay, Venez. "Radio Maracay," Luis Croquer. |
| 3490 CR7AB | Lourenco Marques, Mozambique. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight to 1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm. Radio Club de Mocambique, Box 594. | 4845 HJ3CAD | Bogota, Colombia. 720 w. "Nueva Granada." |
| 3500 YV5RV | La Guaira, Venez. "Emisora Vargas," Gonzalo Velloz Mancera. | 4850 YV1RZ | Trujillo, Venez. "Radio Valera," L. Febres Jelambi. |
| 4002 CT2AJ | Ponta Delgada, Azores. Wed, Sat, 5-7 pm. | 4860 YV1RL | Maracaibo, Venez. 300 w. Relays YV1RK "Radio Popular," sign off "National Emblem March." Jose A. Higuera, Apartado 247. (6-11 pm). |
| 4107 HCJB2 | Quito, Ecuador. 1 kw. 7-8:15 am; 11:30 am-2:30 pm; 2:45-10:15 pm. "Broadcasting Provincial," Clarence W. Jones, Casilla 691. | 4865 HJ2BAJ | Santa Marta, Colombia. 751 w. 10:30 am-2 pm; 5-11 pm. "La Voz de Santa Marta." |
| 4273 RVI5 | Khabarovsk, U.S.S.R. 20 kw. 4-10 am. Miss Rowena Meyer, Radio Committee. | 4870 YV2RN | San Cristobal, Venez. "La Voz del Tachira," Jesus Diaz Gonzaaletz. |
| 4300 4ZB | Dunedin, New Zealand. 30 w. At 6 am. | 4875 HJ6FAH | Armenia, Colombia. 600 w. 9 am-2 pm; 6-11:30 pm. "La Voz de Armenia." |
| 4770 YV1RT | Maracaibo, Venez. "La Voz de la Fe," Pedro A. Bermudez V. | 4878 ZTD | Durban, Union of S. Africa. See "Johannesburg." (11:45 pm-12:50 am). |
| 4775 HJGAB | Bucaramanga, Colombia. 750 w. 6-10:45 pm. "Radio Santandar." | 4880 VUB2 | Bombay, India. 10 kw. 8 am-1 pm. All-India Radio. |
| 4780 YV1RO | Trujillo, Venez. "Radio Trujillo," Pedro J. Torres. | YV6RU | Ciudad Bolivar, Venez. "Ecos del Orinoco," E. Torres Valencia. |
| 4785 HJ1ABB | Barranquilla, Colombia. 600 w. Relays HJ1ABA, "La Voz de Barranquilla," Apartado 715. Interval signal, 3 chimes. | 4885 HJ4DAP | Medellin, Colombia. 501 w. Relays HJ4DAQ. 9 am-2 pm; 7 pm-midnight. "Emisora Claridad." |
| 4790 YV5RY | Caracas, Venez. "La Voz de la Esfera," Edmundo Suegart. | 4890 YV1RX | Maracaibo, Venez. "Ondas del Lago," Nicolas Vale Quintero. |
| 4795 HJ3CAF | Bogota, Colombia. 750 w. La Voz de Bogota. | 4895 HJ3CAH | Bogota, Colombia. 720 w. "La Voz de la Victor." Relays HJ3CAI. Almacenes Victor, Apto. 565. |
| HJ6FAI | Ibague, Colombia. 501 w. "Ecos del Combeima." | 4900 YV6RT | Ciudad Bolivar, Venez. "Radio Bolivar," Miranda & Behrens. |
| 4800 YV1RV | Maracaibo, Venez. "Ecos del del Zulia," Luis Garcia. | 4910 YV1RY | Coro, Venez. "Radio Coro," Roger Leyba. |
| 4805 HJ6FAB | Manizales, Colombia. 501 w. "Radio Manizales." | 4920 VUM2 | Madras, India. 10 kw. 7:30 am-1 pm. All-India Radio. |

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| | YV5RU | Caracas, Venez. "Estudios Universo," Mario Garcia Arocha. | 6000 CXA2 | Montevideo, Uruguay. 5 kw. Cia. de Radio Publicidad Continental, J. C. Gomez 1431. 10 am-10 pm. |
| 4930 | YV4RP | Valencia, Venez. "Radio Valencia," Luis Croquer. | HH2S | Port-au-Prince, Haiti. Societe Haitienne de Radiodiffusion, Box 103. (7-10 pm). |
| 4940 | YV5RO | Caracas, Venez. "La Voz de Venez." Marquis y Linares. | RV59 | Moscow, U.S.S.R. 7-9:15 pm. |
| 4950 | YV4RO | Valencia, Venez. "La Voz de Carabobo," Herman Degwitz. | XEBT | Mexico City, D. F. 500 w. Interval signal, cuckoo calls, and sign off with "Liebes-traume." El Buen Tono, S. A., Apartado 79-44. 11 am-1 am. |
| 4960 | VUD2 | Delhi, India. 10 kw. 7:30 am-1 pm. All-India Radio. | | |
| | YV5RS | Caracas, Venez. "Radio Libertador," Victor M. Soto. | 6005 CFCX | Montreal, P. Q. 75 w. Relays CFCF. Canadian Marconi Co., Ltd., Box 1690. Sun, 10 am-11:15 pm. Week-days 7:45 am-1 am. |
| 4975 | YV1RJ | Coro, Venez. "Radio Falcon," J. A. Mendoza. | | |
| 4980 | YV5RT | Caracas, Venez. "Gobierno Nacional." | HP5K | Colon, Panama. 200 w. Relays HOK, "La Voz de La Victor, Apartado 33. Noon-2 pm; 6 am-midnight. |
| 4990 | YV3RX | Barquisimeto, Venez. "La Voz de Lara," Arturo Ramos Maggi. | 6007 XYZ | Rangoon, Burma. 1500 w. Burma Independent Wireless Sub-Division, W. J. Byrnes, Strand Road. Sun, 8:30-10:30 pm; Daily 5:30-9 am; 8:20-10:30 pm). |
| 5000 | YV5RK | Caracas, Venez. Gobierno Nacional. | ZRH | Pretoria, Union of So. Africa. 5 kw. See "Johannesburg." Sat, 9:30 am-4:45 pm; Sun, 8:40 am-noon; 12:15-3:15 pm; Other days, 9:30 am-3:30 pm; 11:45 pm-12:50 am. |
| 5010 | YV5RM | Caracas, Venez. "Radiodifusora Venez." Degwitz y Sibletz. | 6010 CJCX | Sydney, N. S. 1 kw. Relays CJCB. Eastern Broadcasters, Ltd., Radio Bldg. Sun, noon-1:30 pm; Weekdays 9 am-2:30 pm. |
| 5020 | YV4RQ | Puerto Cabello, Venez. Radio Pto. Cabello," Rafael A. Segura. | PRA8 | Recife, Brazil. 5 kw. "A Vox do Norte," Radio Club do Brasil, Avenida Cruz Cabuga 394. Time signals at Noon and 7 pm Brazil Time. Sign off with national anthem. 9 am-noon; 1-3 pm; 4-9 pm. |
| 5040 | YV5RN | Caracas, Venez. Radio Caracas," Almacén Americano. | 6015 HI3U | Santiago de los Caballeros, D. R. 100 w. "La Voz del Comercio," Fernando Bertran, Apartado 23. Sign off "Mario la O" on organ and national anthem. 7:15-9 am; noon-2 pm; 4:45-8 pm. |
| 5146 | PMY | Bandoeng, Java, N. E. I. 1 kw. Sat, 8 pm-3:30 am. Sun, 5:30 am-noon. Other days, 5:30 am-noon; 7 pm-3 am. | XEWI | Mexico City, D. F. 400 w. Institucion Municipal de la V. L., Mina 56. |
| 5300 | ZIK3 | Belize, Brit. Honduras. (8:30-8:50 pm). | 6020 DJC | Berlin, Germany. 50 kw. See "Berlin." 11:30 am-4:25 pm. |
| 5713 | TGS | Guatemala City, Guat. 200 w. Wed, Thur, Sat, 6-9 pm. Radiotransmisora de la Casa Presidencial." | XEUW | Veracruz, Ver. C. 20 w. "El Eco de Sotavento desde Veracruz," Av. Independencia 98. Verifies for 3c USA stamp. 8 am-midnight. |
| 5824 | TIGPH | San Jose, Costa Rica. 1 kw. "Alma Tica," Gonzalo Pinto H., Apto. 800. (7 pm-midn't). | 6025 HI1J | San Pedro de Macoris, D. R. 100 w. Fausto M. Donastorg, Apto. 204. (8-11 pm). |
| 5875 | HRN | Tegucigalpa, Honduras. 500 w. "La Voz de Honduras," Mr. Paul John. Interval, notes from national anthem, and signs off with "Goodnight Waltz." 8 pm-midnight. | 6030 CFVP | Calgary, Alta. 100 w. Voice of the Prairies, Ltd., Toronto General Trusts Bldg. (Thur, 9 am-1 am; Sun, noon-midn't). |
| 5880 | ZEA | Salisbury, Southern Rhodesia. 325 w. Gen'l. P. O., Station Sec'y., Box 792. Sun, 3-5 am. | HP5B | Panama City, Panama. 100 w. Estacion Radiodifusora Miramar de la Radio Panama, Apartado 910. 5:10 pm. |
| 5940 | PJC1 | Willemstad, Curacao. 150 w. "Radio Curom," Curacaosche Radio Vereeniging, Emmastad, Curacao. 7:45-9:35 pm. | 6035 TI7RVM | Las Juntas, C. Rica. 500 w. "La Voz del Guanacasto," Ruben Venegas M. |
| 5945 | TG2X | Guatemala City, Guat. 200 w. "Policia Nacional." Tue, Wed, Fri, 11 am-1 pm. Sat, 11 am-3 pm. | | |
| 5975 | CS2WD | Lisbon, Portugal. 250 w. Radio Renascenca, Rua do Capelo 5-2 esq. | | |
| | OAX4P | Huancayo, Peru. 250 w. "Radio Andina Junin," J. Alberto Maduana, Cuzco 25. | | |
| 5980 | VONG | St. John's, Newfoundland. Newfoundland Brdcstg. Corp. Relays VONF. 8:30 am-12:30 pm; 4:30-9:30 pm. | | |
| 5984 | HJ4DAG | Quibdo, Colombia. 150 w. "La Voz del Choco." | | |
| 5995 | VUD2 | Delhi, India. 10 kw. All-India Radio. 7:30 am-12:30 pm. | | |

- 6040 KZIB Manila, Philippines. I. Beck Inc., Box 440. (4-10 am; 6 pm-12:30 am).
- 6040 WSLA Boston, Mass. 20 kw. See WSLA.
- WDJM Miami, Fla. 5 kw. 10 pm-1 am. Relays WIOD. Ruth Richardson, Isle of Dreams Broadcasting Corp.
- YDA Tandjong Priok, N.E.I. 10 kw. NIROM. Sign, off, "End of a Perfect Day."
- 6042 HJ1ABG Barranquilla, Colombia. 600 w. Relays HJ1ABH. "Emisora Atlantico," Aptdo. 445.
- 6044 ZP14 Villarrica, Paraguay. 1 kw. "Radio Cultura."
- 6045 XETW Tampico, Tams. 100 w. Relays XEFW, Flores y Martinez, Francisco I., Madero 204 Ote. Sun, 10 am-4 pm. Weekdays, 10 am-10 pm.
- 6053 VK9MI M. V. "Kanirabla." 50 w. Sign off "God Save the King." McIlwraith & McEacharn, Ltd., Melbourne, Australia. (7:15 am).
- 6054 HJ6FAB Pereira, Colombia. 501 w. "La Voz de Pereira."
- 6055 Bern, Switzerland. 25 kw. See eBrn."
- 6060 VQ7LO Nairobi, Kenya. Cable & Wireless, Ltd., Box 777. 11 am-2:30 pm.
- 6060 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (Sun, 6:30-11 pm; Tu, F, 6:30-11 pm; Wed, 6:30-8:30 pm).
- WLWO Cincinnati, Ohio. 10 kw. See "WLWO".
- 6065 SBO Stockholm, Sweden. 500 w. 5:15-5 pm. Telegrafverket Tjanstebrev 5.
- 6070 CFRX Toronto, Ont. 1 kw. Sun, 10:30 am-midnight. Weekdays 7:30 am-midnight. Relays CFRB. Rogers Radio Broadcasting Co., 622 Fleet St.
- 6079 DJM Berlin, Germany. 50 kw. See Berlin."
- 6080 CKFX Vancouver, B. C. 10 w. Relays CKFC Standard Brdctg. Sys., 1504 Sun Bldg. 2 pm-midnight.
- HP5F Colon, Panama.
- 6080 XEQQ Mexico City, D. F.
- 6082 OAX4Z Lima, Peru. 10 kw. Radio Nacional." Relays OAX4A, Av. Petit Thouars 447.
- 6090 ZNS Nassau, Bahamas. Superintendent of Telegraphs, Box 48 (No postage required for veries).
- 6097 1/2 ZRJ Johannesburg, Union of So. Africa. 200 w. See "Johannesburg." Sat, midnight to 12:50 am; 3:15-7 am; 8:30-11:30 am; Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 8:40-11:30 am; Other days, 3:15-7 am; 9 am-1:30 pm; 11:45 pm-12:50 am.
- ZRK Capetown, Union of So. Africa. 5 kw. See "Johannesburg." Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am;
- 9 am-11:45 am; noon-3:20 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-4 pm; 11:45 pm-12:50 am.
- 6100 KZRH Manila, Philippines. "Radio Heacock," Escolta. (5-11 pm).
- 6100 W9XF Chicago, Ill. 10 kw. Relays NBC-WENR. Audience Mail Dept., NBC, Inc., Merchandise Mart. Sat, 1:05-2 am; 4-5:30 pm; Sun, 1-5:45 pm; Other days, 1:05-2 am; 4-5:45 pm.
- YUA Belgrade, Yugoslavia. 1 kw. 12:45 am-5:30 pm. "Radio Beograd," Bureau Central de Presse, Poste Emetteur a Ondes Courtes. Announce in Serbian, Italian, English, German, Turkish, Hungarian, Albanian, and Greek. (12:45 am-5:05 pm).
- 6105 HI3C La Romana, D. R. 30 w. A. Herrero Hernandez.
- 6110 GSL London, Gt. Britain. "L for Liberty." See "London."
- XEGW Mexico City, D. F. 250 w. Jose G. Garza Fox, San Juan de Letran 81.
- 6116 Saigon, Fr. Indo-China. "Radio Saigon." (6 am).
- 6120 WCBX New York, N. Y. 10 kw. See "WCBX." (Midnight-2 am).
- 6122 HI8T San Cristobal, D. R. 30 w. Raul Henriquez.
- 6122 FK8AA Noumea, New Caledonia. Relays FJP. Announces, "Ici Noumea," and signs off with Marseillaise. 44 rue de l'Alma. Tues, Sat, 2:30-3:30 am.
- HJ3CAZ Bogota, Colombia. 750 w. Relays HJ3CAZ, La Voz de Colombia, Aptdo 772. (Heard on 6012 kcs). (Sun, Noon-1:30 pm; 6-11 pm; Other days 10:30 am-2 pm; 5:30-11:30 pm.)
- TGWB Guatemala City, Guat. 1 kw. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Weekdays, 7:45-9 am; 12:45-3:45 pm; 7:30 pm-12:15 pm. See TGWA.
- 6130 CHNX Halifax, N. S. 500 w. Sat, 8 am-11:30 pm; Sun, noon-11:15 pm; other days, 7 am-11:15 pm. Maritime Broadcasting Co., Lord Nelson Hotel
- COCD Havana, Cuba. 250 w. Relays CMCD. "La Voz del Aire," S. A., Sr. J. Benitez, Aptdo. 2294.
- LKJ Oslo, Norway, 5 kw. See "Oslo."
- 6132 VP3BG Georgetown, British Guiana. Brit. Guiana United Brdctg. Co., Box 11. (10:30 am-11:30 am; 4-8 pm).
- XEXA Mexico City, D. F. 100 w. Depto. de Publicidad y Propaganda, Sr. Jose Rivera. Lourenco Marques, Port. East Africa. Radio Club de Mocambique, Caixa Postal 594. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm.

- 6140 KZRF Manila, Philippines. "Radio Filipinas," Insular Life Bldg. (5:30-11 pm).
- WPIT Pittsburgh, Pa. 40 kw. See "WPIT," (11 am-noon).
- 6145 HJ4DAE Medellin, Colombia. 700 w. "La Voz de la Antioquia."
- 6147 1/2 ZRD Durban, Union of So. Africa. 200 w. See "Johannesburg," Sat, 3:30-7:30 am; 9-11:15 am; Sun, 5:30-7 am; 9-11:16 am; Weekdays, 11:45 pm-12:50 am.
- 6150 CJRO Winnipeg, Man. 2 kw. James Richardson & Sons, Ltd., 157 Royal Alexandra Hotel.
- 6150 TIEMC San Jose, C. Rica. 250 w. "Radio El Mundo," Rafael Hine Ch.
- 6165 TILS San Jose, Costa Rica. 2 kw. "Para Ti," Luis Saenz Mata, Aptdo. 3.
- 6165 Bern, Switzerland. 25 kw. See "Bern."
- 6170 HI4V San Francisco de Macoris, D. R. 100 w. Luis R. Betances R.
- 6174 XEXA Mexico City, D. F. Relays XEXM, Departamento Autonomo de Prensa Publicidad (DAPP). Sign off, "March of the Toys." 8:30 am-midnight.
- 6185 HI1A Santiago de los Caballeros, D. R. 75 w. "La Voz del Yaque," Rafael Western. (Weekdays, 8-10 pm).
- 6190 HVJ Vatican City, 15 kw. Mon, Thur, Sat, 2-3:30 pm; Tues, Fri, 2-3 pm; Wed, 2:2:30 pm; 3-3:30 pm. See HVJ.
- 6190 KGEI San Francisco, Calif. 20 kw. See "KGEI."
- 6190 TG2 Guatemala City, Guat. 200 w. "Radio Morse," Director General of Electrical Communications. (Sat, 7:30-9 am; 6 pm-1 am; Sun, 7:30-11 am; 3-8 pm; Other days, 7:30-9 am; 6-11 pm).
- WGEO Schenectady, N. Y. 40 kw. See "WGEA."
- Athlone, Ireland.
- 6200 COKG Santiago de Cuba. 1200 w. Relays CMKG. "Ask For Bacardi," Sres. Grau y Caminero, Aptdo. 137. Daily exc. Sat, 9 am-11 pm.
- XEXS Mexico City, D. F. 100 w. Departamento de Salubridad Publica.
- ZGE Kuala Lumpur, F.M.S. Institute of Medical Research. Sun, Tue, Fri, 6:40-8:40 am. Saigon, Fr Indo-China.
- "Radio Boy-Landry," Establishments Boy-Landry. 5:30-9 am.
- 6235 HRD2 La Ceiba, Honduras. 250 w. 8-11 pm. "La Voz de Atlantida."
- 6243 HI1N Trujillo, D. R. 700 w. Weekdays, noon-2:30 pm; 5:45-10 pm. Sign off national anthem. Relays HIN. J. M. Bonetti Burgos.
- 6280 HI1G Trujillo, D. R. 200 w. Relays HI1G. Andres Cordero Puello.
- 6282 COHB Sancti-Spiritus, Cuba 150 w. Relays CMHB, V. E. Wiess y O. Ramirez, Calle Independencia 33. 9-11 pm.
- 6295 OAX4G Lima, Peru. 400 w. Relays OAX4B, "Radio Grellaud," Roberto Grellaud y Cia., Sen Abencay 915-23 (7-9:30 pm).
- 6312 ZP14 Villarica, Paraguay, 1 kw. "Radio Cultura."
- 6316 HI1Z Trujillo, D. R. 100 w. Relays HI1Z. Frank Hatton.
- 6330 COCW Havana, Cuba. 7 am-midnight. Relays CMW. "La Voz de las Antillas," Apartado 130.
- 6335 OAX1A Chiclayo, Peru. 200 w. "La Voz de Chiclayo." Elias Aguirre 171, Casilla 9. Sign off, "Good Night Waltz." (Sat, 10 pm-midnight; Other days, 8-11 pm).
- 6340 HI1X Trujillo, D. R. 900 w. Relays HIX. J. R. Saladin. (Tues, Fri, 8-10 pm).
- 6351 HRP1 San Pedro Sula, Honduras. 100 w. 12:30 pm-12:30 am. "El Eco de Honduras."
- 6355 IAC Rome, Italy. See "Rome." (3-3:35 pm).
- 6380 ZIZ Basseterre, St. Kitts. (Reported on 6384). Daily 4-5 pm; Wed, 7-7:30 pm.
- 6383 HI9B Santiago, D. R. 200 w. Jacinto L. Sanchez, Aptdo. 95.
- 6420 HI1S Santiago de los Caballeros, D. R. 200 w. "La Voz de La Hispaniola." Generoso Sarnelli. (6-11 pm).
- TGQA Quezaltenango, Guat. 200 w. Relays TGQ, "La Voz de Quezaltenango," Director General of Electrical Communications. (Sat, 10 pm-1 am; Sun, 1-3 pm; Other days, 9-11 pm).
- 6425 W2XGB Hicksville, N. Y. 10 kw. Press Wireless, Inc.
- 6480 HI1L Santiago, D. R. 100 w. "Emisora Nacional," Maria J. Tavarez, Calle Pres. Trujillo 97. (6:30-8 am; 5:30-7 pm; 8-9:45 pm).
- 6480 TGWB Guatemala City, Guat. 1 kw. (Reported on 6495). See TGWA.
- 6500 HIL Trujillo, D. R. 60 w. J. C. Teixido, Aptdo. 623.
- 6550 TIRCC San Jose, C. Rica. 500 w. Accion Catolica, Frbo. Carlos Borge, Aptdo. 1064.
- 6565 HI5P Puerto Plata, D. R. 30' w. J. M. Modesto.
- 6590 COCU Havana, Cuba. Jorge Garcia Serra, Estrada aPima 25, Vibora. (Sun, 6:55 am-midnight; Weekdays, 6:55 am-1 Trujillo, D. R. 100 w. Emilio Garden, Jr.
- 6622 PRADO Rio Bamba, Ecuador. Fabrica de Tejidos de "El Prado." Aptdo. 98. (Thur, 9-11 pm).
- 6630 HIT Trujillo, D. R. 100 w. "La Voz de La RCA-Victor." F. A. Sanabria, Aptdo. 1105. Interval, bells; sign off, na-

- tional anthem. (Sun, 10:45 pm-12:45 am; Weekdays, 5:45-8:45 pm).
- 6638 HC2RL Guayaquil, Ecuador. 200 w. "Quinta Piedad," Dr. Roberto Levi, Casilla 759. Interval, "Hello, America," sign off, national anthem. (Sun, 5:30-7:30 pm; Tues, 9-11 pm).
- 6660 HI6Y Trujillo, D. R. 30 w. Alfonso Cuervo.
- 6675 HBQ Geneva, Switzerland. "Radio Nations." (Sun, 1:45-2:45 pm).
- 6690 VK8SK Broken Hill, Australia. At 2:30 am. Australian Aerial Medical Service.
- 6700 TIEP San Jose, C. Rica. 1 kw. "La Voz del Tropico." Eduardo Pinto H., Aptdo. 257. (4-11 pm).
- 6710 PMH Bandoeng, Java, N.E.I. 1500 w.
- 6780 HIH San Pedro de Macoris, D. R. 250 w. "La Voz de Higuanamo," Domingo Dominguez. Paramaribo, Surinam.
- 6800 PZH Wellington, New Zealand.
- 6960 Z2B 200 w. Amateurs.
- 7000 to 7300 Valladolid, Spain. 7:30 am-5:30 pm.
- 7010 XPSA Kweiyang, China. 10 kw. (Reported on 6970 and 7140). (5:30-10:55 am).
- 7088 PI1J Dordrecht, Netherlands. 50 w. Technical College. (Sat, 10 am-12:50 pm).
- 7090 FO8AA Papeete, Tahiti. Radio Club Oceanien. (Tues, Fri, 11 pm-midnight).
- 7100 EA9BJ Spanish Morocco.
- 7177 CR6AA Lobito, Angola. (Wed, Sat, 2:45-4:30 pm).
- 7200 EA8AE Las Palmas, Canaries. (Reported on 7150).
- 7220 12RO11 Rome, Italy. 100 kw. See "2RO."
- 7222 YV9AB In Venezuela on Guiana-Brazil Border. Expedicion Tecnico de Minería y Geologia, Ministerio de Fomento, Caracas.
- 7260 FET8 Spanish Morocco. (5-7 pm).
- 7270 EA8AS Teneriff, Canaries. Relays EAJ43. (Wed, 4-5 pm).
- 7300 VIG Port Moresby Papula. Relays 4 pm. A call sign, not time.
- 7310 Madrid, Spain. "Radio Nacional."
- 7380 XECR Mexico City, D. F. 20 kw. Secretaria de Relaciones Exteriores. (Sun, 6-8 pm).
- 7435 FG8AH Pointe-a-Pitre, Guadeloupe. "Radio Guadeloupe," Box 125. (6-7:30 pm).
- 7500 EAJ43 Santa Cruz de Teneriffe, Canaries. Relays "Radio Nacional of Burgos. (8-9 am).
- 7510 JVP Tokyo, Japan. 50 kw. See "Tokyo" at end of list.
- 7797 HBP Geneva, Switzerland. "Radio Nations." (Sat, 5:30-6:30 pm).
- 7894 YSD San Salvador. Relays YSS, "Alma Cuscatleca." Director General de Telegrafos, Telefonos, y Radio Nacionales.
- 8650 HJ4DAU Medellin, Colombia. 250 w. Universidad Antioquia.
- 8664 COJK Camaguey, Cuba. 1 kw. 11:30 am-12:30 pm; 8-10 pm. (Reported on 8660 and 8680). Relays CMJK, "Radio Zenith," Jones Castillon y Cie., Finlay #3.
- 8700 COCO Havana, Cuba. 1 kw. Relays CMCK, Luis Casas Romero, Aptdo 98.
- 8820 HCJB Quito, Ecuador. 1 kw. "La Voz de los Andes," Clarence
- 8830 COCQ Havana, Cuba. 1 kw. Relays CMQ, "De La RCA-Victor," Calle 25 No. 225. (Reported on 8850).
- 9030 COBZ Havana, Cuba. 250 w. Relays CMBZ, "Radio Salas," Aptdo. 866. Opens, nightingales and canaries; interval, 4 chimes; closes, national anthem. (6:45 am-1 am).
- 9100 COBX Havana, Cuba. Relays CMBX. Alberto Alvarez, San Miguel 194.
- 9125 HAT4 Budapest, Hungary. 20 kw. Sun, Wed, 7-8 pm; Sat, 6-7 pm. Radiolabor, Kiserlet Allomasa, Gyali-ut 22, Budapest IX.
- 9125 HC2CW Guayaquil, Ecuador. "Ondas del Pacifico," Aptdo 1166.
- 9163 HC1GQ Quito, Ecuador. "Radiodifusora Nariz del Diablo." Sign off, "Blue Danube Waltz." Guayaquil & Quito R. R. Co., Aptdo. 159. (8:30-11 pm).
- 9234 Bucuresti, Romania. 2 kw. "Radio Experimental," Societatea Romana de Radiodifuziune, Str. Gral. Berthelot 60.
- 9290 HI2G Trujillo, D. R. 200 w. Relays HIG. Andres Cordero Puello.
- 9295 XTC Shanghai, China. (8-9 am).
- 9350 HS8PJ Bangkok, Thailand (formerly "Siam"). Post and Telegraph Dept.
- Fort de France, Martinique. "Radio Fort de France."
- 9363 COBC Havana, Cuba. Relays CMBC, "El Progreso Cubano," Aptdo 132. (6:55 am-midnight). (Reported on 10000).
- 9400 Saigon, Fr. Indo-China. 10 w. "Radio Michel-Robert," (Weekdays, 7-8:30 am).
- 9415 PJC2 Willemstad, Curacao. "Radio Curom," Emmastad.
- 9415 PLV Bandoeng, Java, N.E.I. 80 kw. Governments Radio-Dienst.
- 9437 COCH Havana, Cuba. 5 kw. Cadena Azul de Radio, Prado 63. (Sun, 8 am-10 pm; other days, 8 am-midnight).
- 9465 TAP Ankara, Turkey. 20 kw. 11:30 am-5 pm. See "Ankara."
- 9500 KZIB Manila, P. I. I Beck, Inc., (4-10 am; 6 pm-12:30 am).
- 9500 OFD Lahti, Finland. 1 kw. See "Lahti." (Weekdays, 5-6:30 am; 10 am-5 pm.)

- 9500 PRF5 Rio de Janeiro, D. F., Brazil. 12 kw. "A Vox do Brasil." Cia. Radio Internacional do Brasil, Marapicu, D. F. (4:45-5:45 pm).
- XEWW Mexico City, D. F. 10 kw. 8:55 am-midnight. "La Voz de la America Latina desde Mexico." Apto. 2516. Relays XEW. Cadena Radio-difusora Mexicana.
- XGOY Lungtso, China.
- 9503 XEXA Mexico City, D. F. 100 w. (until 1 am).
- 9510 CXA8 Colonia, Uruguay. 2500 w. Relays LR3. "Real de San Carlos." (6 am-10 pm).
- 9510 GSB London, Gt. Britain. 20 kw. "B for Broadcasting." See "London." (1:30-3:50 am; 6:20-9:15 pm; 9:40-11:30 pm).
- HS8PJ Bangkok, Thailand (formerly "Siam"). Opening and interval signals, 3 ascending chimes. Post and Telegraph Dept., Col. Phra Aram.
- VK3ME Melbourne, Australia. 5 kw. Weekdays, 4-7 am. Amalgamated Wireless, (A/sia), Ltd., 167 King St.
- 9520 OZF Copenhagen, Denmark. 6 kw. 2-6 pm; 10-11 pm. Stats-radiofonien, Heibergsgade 7.
- XEDQ Guadalajara, Jal. 100 w. "Hablando a los Continentes desde Guadalajara." Relays XED, Apto. 197. Interval, 4 chimes; sign off, "Jarabe Tapatio."
- 9523 ZRG Pretoria, Union of So. Africa. 5 kw. See "Johannesburg." (Sat. 5-7 am; 9:30 am-4:45 pm; 11:45 pm-12:50 am; Sun, 5:30-7 am; 8:30 am-noon; 12:15-3:15 pm; Other days, 5-7 am; 9:30 am-3:30 pm; 11:45 pm-12:50 am).
- 9524 Luxembourg. "Radio Luxembourg." (11 am-1 pm).
- 9525 ZBW3 Hong Kong. 2500 w. Hong Kong Broadcasting Committee, Box 200.
- 9530 KGEI San Francisco, Calif. 20 kw. See "KGEI." (3-9 am).
- 9530 LKC Oslo, Norway. 5 kw. See "Oslo."
- VUC2 Calcutta, India. 10 kw. 2:30-4:30 am. All-India Radio.
- WGEO Schenectady, N. Y. 40 kw See WGEA."
- 9535 JZI Tokyo, Japan. 20 kw. See "Tokyo." (4:40-5:30 pm).
- Bern, Switzerland. 25 kw. See "Bern."
- 9536 VPD2 Suva, Fiji. 2 kw. Amalgamated Wireless, (A/sia), Ltd. (5:30-7 am).
- 9540 DJN Berlin, Germany. 50 kw. (12:05-2:30 am; 4:50-10:50 pm). See "Berlin" at end of list.
- 9544 HH2S Port-au-Prince, Haiti. Societe Haitienne de Radio-diffusion, Boite Postal 103.
- 9550 HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-5:30 am. See HVJ.
- TPB11 Paris, France. 25 kw 11:15 pm-6 pm. See "Paris" at end of list.
- VUB2 Bombay, India. 10 kw. 12:30-4 am; 5-7:30 am; 10-11 pm. All India Radio.
- WGEO Schenectady, N. Y. 25 kw. See "WGEO."
- 9560 DJA Berlin, Germany. 50 kw. See "Berlin." (6:30-10:30 pm).
- 9562 OAX4T Lima, Peru. 10 kw. "Radio Nacional." Relays OAX4A. (Reported on 9560). Peruvian Gov't., Av. Petit Thouars 447. (7-8 am; 11:30 am-1:30 pm).
- 9570 KZRM Manila, Philippines. 5 kw. "Radio Manila," Far Eastern Brdcstg. Co. Insular Life Bldg. (4-10:30 am; 4:30-7 pm; 11 pm-12:30 am).
- 9570 WBOS Springfield, Mass. 10 kw. Relays NBC-WBZ-WBZA. Westinghouse Electric & Mfg. Co.
- WPIT Pittsburgh, Pa. 40 kw. See "WPIT."
- 9580 GSC London, Gt. Britain. 20 kw. "C for Corporation." See "London." (1:30-4 pm; 4:20-6 pm; 6:25-9:20 pm; 9:40-11:30 pm).
- VLR Melbourne, Vic., Australia. 2000 w. 3:15-9:45 am. See VLR.
- 9585 KZEK Manila, Philippines. Box 119.
- 9590 HP5J Panama City, Panama. 1 kw. (Reported on 9610). 6:30-11 pm. "La Voz de Panama." Apartado 867.
- PCJ Huizen, Netherlands. 60 kw. See "Hilversum." (Sun, 1:40-3 pm; 7:15-9:50 pm; Tu, 1:45-3:30 pm; 7-10:15 pm; W, 7:15-8:40 pm; F, 8-9 pm).
- VK2ME Sydney, Australia. 20 kw. Sun, 1-3 am; 5-11 am. Signature, laughing notes of kookaburra. Amalgamated Wireless, (A/sia), Ltd., 47 York St. (Sun, midn't-2 am; 4:30-8:30 am; 11:30 am-1:30 pm).
- VK6ME Perth, Australia. 5 kw. Weekdays, 6-8 am. Amalgamated Wireless, (A/sia), Ltd.
- VUD2 Delhi, India. 10 kw. 2-4:15 am; 8 am-1 pm; 10 pm-midnight. All-India Radio.
- VUD3 Delhi, India. 5 kw. 8 am-1 pm. All-India Radio.
- 9590 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (M, Th, Sat, 6:30 pm-2 am; Wed, 9 pm-2 am).
- WLWO Cincinnati, Ohio. 10 kw. See "WLWO."
- 9595 HBL Geneva, Switzerland. 20 kw. "Radio Nations."
- 9600 CB960 Santiago de Chile. (6 pm).
- 9600 XEYU Mexico City, D. F. (9-11 pm).
- 9606 ZRL Capetown, Union of So. Africa. 5 kw. See "Johannesburg." (Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 9-11:45 am; noon-3 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-4 pm; 11:45 pm-12:50 pm).

- 9615 TYPG San Jose, C. Rica. 2 kw. "La Voz de la Victor," Claudia Martinez. (Reported on 9610). (7 am-11:30 pm; English hour Wed, Sat, 9-10 pm).
- 9616 HJ1ABP Cartagena, Colombia. 608 w. 4:30-10:30 pm. "Radio Cartagena," Aptado 37.
- 9620 HAD Budapest, Hungary. (6-9 pm).
- 9630 HJ7GAD Bucaramanga, Colombia. 650 w. Relays HJ7GAE. "Radio Bucaramanga."
- 9630 I2RO3 Rome, Italy. 100 kw. See "Rome." (12:07-12:56 pm; 1:01-2:55 pm; 5:30-9 pm).
- 9645 HH3W Port-au-Prince, Haiti. 30 w. 1-2 and 7-8 pm. C. Ricardo Widmaier, Box A-117.
- 9645 JLT2 Tokyo, Japan. See "Tokyo." (8-8:30 pm).
- 9650 IABA Addis Ababa, Ethiopia. 1 kw. E. I. A. R. (Sun, 3:30-3:55 am).
- 9650 WCBX New York, N. Y. 10 kw. See "WCBX." (10:30-11:30 pm).
- 9660 CR6AA Lobito, Angola.
HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-5:30 am. See HVJ.
- 9670 I2RO9 Rome, Italy. 100 kw. See "Rome." (12:40-5:30 pm; 6-6:30 pm).
- 9675 DJX Berlin, Germany. 10:35 am-4:25 pm. See "Berlin" at end of list.
- 9685 TGWA Guatemala City, Guat. 10 kw. See "TGWA." (Sun, 7 pm-midnight; Weekdays, 7:30 pm-12:15 am).
- 9690 HMF Baghdad, Iraq. Qasr-El-Lahoor Brdcstg. Station. (3 pm).
- 9692 TI4NRH Heredia, Costa Rica. 750 w. Sun, 7-8 am; Tu, Th, Sat, 9-10 pm. Amando Cespedes Marin, Apartado 40.
- 9700 "Radio Martinique," Fort de France, Martinique 1500 w. 1:15-2:45 pm; 6-10 pm. Sign off with Marseillaise. Poste Seri. Boite 136.
- 9730 CB970 Valparaiso, Chile. (Reported on 9710). 6:30-11 pm.
- 9735 CSW7 Lisbon, Portugal. (8 pm).
- 9755 ZRO Durban, Union of So. Africa. 200 w. See "Johannesburg." (Sat, 3:30-7:30 am; 9-11:15 am; 11:20 am-4 pm; Sun, 5:30-7 am; 9-11:15 am; 11:20 am-3:20 pm; Other days, 3:30-7:30 am; 9-11:15 am; 11:20 am-3:45 pm).
- 9835 IRF Rome, Italy. 20 kw. See "Rome." (5:20-5:40 am; noon-12:25 pm; 12:40-1 pm; 1:50-2:30 pm; 6-9 pm).
- #860 EAQ Madrid, Spain.
- 9925 JDY Dairen, Kwantung. 10 kw. 7-8 am. Manchuria Telephone and Telegraph Co.
- 9985 COCM Havana, Cuba. 1 kw. Relays CMCM, "Trans Radio Columbia," 23 No. 1113, Vedado.
- 10220 PSH Rio de Janeiro, Brazil. 12 kw. Relays PRF4; signs off with Brazilian National Hymn. Cia. Radio Internacional do Brasil, Caixa Postal 709. (Weekdays, 6-7 pm; M, 8-8:30 pm; F, 7-7:30 pm).
- 10330 ORK Brussels, Belgium. 11 kw. 1:30-3 pm.
- 10660 JVN Tokyo, Japan.
- 10740 JVM Tokyo, Japan.
- 11402 HBO Geneva, Switzerland. "Radio Nations." Sun, 7-7:45 pm.
- 11660 JVL Tokyo, Japan.
- 11673 IQY Rome, Italy. See "Rome." (5:20-5:40 am; 12:07-12:56 pm; 1:50-2:30 pm).
- 11700 HP5A Panama City. 300 w. Sun, 9 am-1 pm; 6-10 pm. Weekdays, 11:45 am-1 pm; 6-10 pm. "Radio Teatro Estrella de Panama." Sign off with "Anvil Chorus." Radio Teatro, Aptdo. 954.
- 11705 JLG3 Tokyo, Japan. See "Tokyo." (8-8:30 pm).
- 11705 SBP Stockholm, Sweden. 500 w. Sun, 1:15-4:15 pm; Wed, Sat, 8-9 pm; Daily 1-4:15 pm. Telegrafverket Tjanstebrev 5.
- 11718 CR7BH Lourenco Marques, Port. E. Agric. 200 w. Radio Club de Mocambique, Caixa 594. (Sun, 5-7 am; 10 am-12 pm; Weekdays, midnt-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm).
- 11718 TPB6 Paris, France. 7-9:15 pm. See "Paris."
- TPA4 Paris, France. 7-9:15 pm; 9:30 pm-midnight. See "Paris."
- 11720 CJRX Winnipeg, Man. 2 kw. James Richardson & Sons, 157 Royal Alexandra Hotel.
- 11721 ZP14 Villarrica, Paraguay. "Radio Cultura." (7:07-9:07 pm).
- 11730 PHI Huizen Netherlands. 23.6 kw. See Hilversum.
- WSLA Boston, Mass. 20 kw. See "WSLA."
- 11730 WSLR Boston, Mass. 20 kw. See "WSLA."
- 11735 LKQ Oslo, Norway. 5 kw. See "Oslo." (11 am-2 pm).
- 11740 HVJ Vatican City. 15 kw. Tues, 8:30-9 am. See HVJ.
- 11750 GSD London, Gt. Britain. 20 kw. "D For Daventry." See "London." (1:30-3:50 am; 12:35-4 pm; 4:20-6 pm; 6:20-9:15 pm; 9:40-11:30 pm).
- 11753 COCX Havana, Cuba. Relays CMX, "Casa Lavin," Box 32. Sun 6-9 pm; weekdays 8 am-midnight).
- 11760 TGWA Guatemala City, Guat. 10 kw. Sun, 12:45-5:15 pm; Weekdays, 12:45-1:45 pm. See TGWA.

- 11770 DJD Berlin, Germany. 50 kw. 11:30 am-4:30 pm; 4:50-10:50 pm. See "Berlin."
- 11770 MTCY Hsingking, Manchukuo. Strasbourg." (10-11:30 pm).
- 11776 ... "Radio Luxembourg." Cie. Luxembourgeoise de Radiodiffusion, (1 hour daily, same hour for three days then advanced an hour for next 3-day period).
- 11780 HP5G Panama City, Pan. 750 w. "Ron Dalley." Opens, closes, with Prelude from "Traviata." Salvador Graziani, Box 1121. (6-10 pm).
- 11780 Saigon, Fr. Indo-China. "Radio Saigon." (6 am).
- 11790 WSLA Boston, Mass. 20 kw. See "WSLA."
- 11800 JZJ Tokyo, Japan. 50 kw. See "Tokyo." (7-9:30 am; 2:30-4 pm).
- 11801 DJZ Vienna, Germany. 50 kw. See "Berlin." (4:50-10:50 pm).
- 11810 I2RO4 Rome, Italy. 100 kw. See "Rome." (4:30-4:55 am; 5-7:25 am; 7:30-8:45 am; 10 am-3 pm; 6-9 pm).
- 11820 GSN London, Gt. Britain.
- 11830 WCBX New York, N. Y. 10 kw. See "WCBX." (Sun, 3-6 pm; Daily exc. Sun, 4-6 pm; Daily 6:30-10 pm).
- 11840 KZRM Manila, Philippines. Erlanger & Gallinger, Inc., David St.
- 11840 OLR4A Prague, Bohemia. 35 kw. "Radio Podebrady." (M, Tu, W, Th, F, 8-10:30 am; Sun, 7:15-9:55 pm).
- 11850 HAD Budapest, Hungary. (2-6 pm).
- 11870 VUM2 Madras, India 10 kw. 4-4:30 am. All-India Radio.
- 11870 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (2-11 pm).
- 11870 ... Strasbourg, France. "Radio
- 11880 VLR3 Melbourne, Australia. 1-3 am. See VLR.
- 11885 TPA3 Paris, France. 25 kw. 2-5 am; 11:15 am-6 pm. See "Paris."
- TPB7 Paris, France. 25 kw. 9:30 pm-midnight. See "Paris."
- 11900 I2RO13 Rome, Italy. 100 kw. See 2RO.
- 11900 XGOY Chungking, China. Central Brdcstg. Station. (5:30-10:30 am; 11-11:30 am; 4-6:30 pm).
- 11900 XMHA Shanghai, China. 445 Racecourse Road. (Reported on 11840 and 11857). (6 am).
- 11900 Hanoi, Fr. Indo-China. "Radio Hanoi II." 20 rue de la Pepiniere. (Sat, 8:30-10:30 pm; Sun, 12:01-9:30 am; Other days, 12:01-2:30 am; 6-9:30 am).
- 11930 PPH Rio de Janeiro, Brazil. (5:30 am).
- 11960 HI2X Trujillo, D. R. 900 w. Relays HIX. J. R. Saladin, Gobierno Dominicano. (Sun, 7:40-10:40 am).
- 12230 COCE Havana, Cuba. "La Vox del Transporte." Prado 18. (8 am-midn't.)
- 12235 TFJ Reykjavik, Iceland. 7500 w. Sun, 1:45-2:30 pm Icelandic State Broadcasting Service, Box 547.
- 12460 HCJB Quito, Ecuador. (Reported on 12450). Clarence W. Jones, Casilla 691. (Daily exc. Mon, 10-11 pm).
- 13900 YN3DG Leon, Nicaragua. (Verifies for 10c). (Sat, Sun, 10 pm).
- 14125 YV9AB In Venezuela on Guiana-Brazil Border. Expedition de la Gran Sabana, Ministerio de Fomento, Caracas.
- 14795 IQA Rome, Italy. See "Rome." (4:30-4:55 am).
- 14935 PSE Rio de Janeiro, Brazil. W, 4-4:10 pm; Th, Sat, 3-3:30 pm).
- 15110 DJL Berlin, Germany. 50 kw. 12:05-2 am; 8-9 am; 10:35 am-4:25 pm. See "Berlin."
- 15120 HVJ Vatican City. 15 kw. Tues, 10:30-11 am; Sun, 1-1:30 pm. See HVJ.
- 15130 TPB11 Paris, France. 25 kw. 2-5 am. See "Paris."
- WSLA Boston, Mass. 20 kw. See "WSLA."
- 15130 WSLR Boston, Mass. 20 kw. See "WSLA."
- 15140 GSF London, Gt. Britain. 15 kw. "F For Fortune." See "London." (5:45-8:50 am; 9 am-noon; 4:20-6 pm; 6:20-9:15 pm).
- 15160 JZK Tokyo, Japan. 50 kw. See "Tokyo." (Midnight-1:30 am; 7-9:30 am; 2:30-4 pm).
- VUD3 Delhi, India. 5 kw. 2-4:15 am; 10 pm-midnight. All-India Radio.
- XEWW Mexico City, D. F. 10 kw. "La Vox de la America Latina desde Mexico." Aptdo. 2516.
- 15170 LKV Oslo, Norway. 5 kw. See Oslo.
- 15170 TGWA Guatemala City, Guat. 10 kw. See "TGWA." (Sun, 12:01-1 am; 10:30 am-5:15 pm; Weekdays, 7:45-9 am; 12:45-3:45 pm).
- 15180 GSO London, Gt. Britain. "O For Ocean." See "London." (4:20-6 pm; 6:25-9:20 pm).
- 15195 TAQ Ankara, Turkey. 20 kw. Turkish Brdcstg. System. Daily 5:30-7 am.
- 15200 DJB Berlin, Germany. 8 kw. See "Berlin." (5-11 am; 4:50-10:50 pm; Sun, 11:10 am-12:25 pm).
- 15210 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (9 am-2 pm).
- 15220 PCJ2 Hilversum, Netherlands. 60 kw. See "Hilversum." (Sun, 7:40-9:05 am; M, Th, 7:40-9 am; Tu, 1-2:30 am; W, 9:30-11:30 am; Tu, W, F, Sat, 7:40-2:45 am).

15240 CR7BD Lourenco Marques, Mozambique. Radio Club de Mocambique, Box 594. (Sun, 5-7 am; 10 am-2 pm; Other days, midn't-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm).

15243 TPA2 Paris, France. 25 kw. 6-11 am. See "Paris."

15260 GSI London; Gt. Britain. "I For Island." See "London." (1:30 am-3:50 am; 12:25-4 pm).

15270 WCAB Philadelphia, Pa. 10 kw. See WCAB. (Sun, 3-6 pm; Mon thru Fri, 4-6 pm).

15270 WCBX New York, N. Y. 10 kw. See "WCBX." (Sun, 1-2:30 pm; Other days, 1-3:30 pm).

15280 DJQ Berlin, Germany. 50 kw. Daily, 12:05-11 am; 4:50-10:50 pm. See "Berlin."

15280 HI3X Trujillo, D. R. 900 w. (Reported on 17400). Relays HIX. Secretaria de Comunicaciones y Obras Publicas. (Tu, F, 8:10-10:10 pm; Sun, 7:40-9:40 pm).

LRU Buenos Aires, Argentina. 5 kw. 8 am-1 am. "Radio El Mundo," Calle Maipu 555.

15300 I2RO6 Rome, Italy. 100 kw. See "Rome." (4:10-4:55 am; 10 am-12:06 pm; 1:40-2:30 pm; 3-5:30 pm; 7:30-9 pm).

15300 LYZ4 Kaunas, Lithuania. (Reported on 15130). (Sun, 1 pm).

15310 GSP London, Gt. Britain. "P For Progress." See "London." (12:17-1:15 pm; 1:15-4 pm; 4:20-6 pm).

15330 KGEI San Francisco, Calif. 20 kw. See "KGEI." (1-4 am; 5-8 am; 12:30-8 pm).

15340 DJR Berlin, Germany. 50 kw. See "Berlin." (4:55-10:50 pm).

15410 Bucuresti, Romania. 50 kw. "Radio Bucuresti." (9-10:15 pm).

17760 DJE Berlin, Germany. 50 kw. See "Berlin." (12:05-5:50 am; 6-7:45 am; 8-11 am; 11:10 am-12:25 pm; 4:55-9 pm).

17770 PHI2 Huizen, Netherlands. 23.6 kw. See "Hilversum." (Sun, 6:40-10:05 am; M, Th, 7:40-9 am; Tu, W, F, Sat, 7:40-8:45 am).

17785 JZL Tokyo, Japan. See "Tokyo." (4:30-5:30 pm; 8-8:30 pm).

17790 GSG London, Gt. Britain. 5:45-8:50 am; 9 am-noon; 12:20-4 pm. See "London."

17800 TGWA Guatemala City, Guat. 10 kw. See "TGWA."

17810 GSV London, Gt. Britain. 5:45-8:50 am; 12:20-4 pm. See "London."

17840 HVJ Vatican City. 15 kw. See HVJ.

21470 GSH London, Gt. Britain. 5:45-8:50 am; 9 am-noon. See "London."

21520 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (Noon-6 pm).

21530 GSJ London, Gt. Britain. 5:45-8:50 am. See "London."

21540 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (5:30-9 am).

21565 DJJ Berlin, Germany. 6-7:50 am. See "Berlin."

21570 WCBX New York, N. Y. 10 kw. See "WCBX." (8 am-12:30 pm).

21680 HAD Budapest, Hungary. (11 am-2 pm).

Addresses

Ankara—Radio Ankara." Ann: Turkish, Eng, Fr, Ger. Sign off, National anthem. Turkish Brdcast. System, Correspondence Dept.

Berlin—These transmitters are located at Zeesen, near Berlin. Interval signal is the tune, repeated several times, "Ever Be True and Honest," and sign off theme, two national anthems, "Horst Wessel Lied" and "Deutschlandlied". Address is Reichs-Rundfunk G. m. b. H., Haus des Rundfunk, Masurenallee, Berlin-Charlottenberg 9.

Hilversum—Transmitters at Huizen. PCJ is "The Happy Station." Announcements in Dutch, German, French, English, Spanish, Portuguese. Sign off with National Anthem. N. V. Philips' Radio, Eindhoven.

Johannesburg—All programs originate in J/B. Announce "Johannesburg Calling." English and Afrikaans. Open with bugle call. South African Broadcasting Corp., Box 4559, Johannesburg.

London—Transmitters are at Daventry. Interval signals are Bow Bells; Greenwich time signal on even hours; and, irregularly, Big Ben, preceded by Westminster Chimes, strikes the hours. Sign off with "God Save The King." British Broadcasting Corp., London W1.

Oslo—Norsk Rikskringkasting, Shortingsgaten 28, Oslo, Norway.

Paris—Transmitters at Essarts-le-Roi. Announce as "ParisMondial," (Paris Embracing The World), and sign off with "La Marseillaise." Minister of Posts, Telegraphs and Telephones, 98 bis Blvd. Haussmann.

Rome—"Radio Roma-Napoli." Transmitter at Prato-Smeraldo. Interval signal, chirping of bird. Announcements usually by a lady. Sign off with 2 anthems, "Giovinezza" and "Marcia Reale." Ente Italiano per le Audizioni Radiofoniche, Via Montello 5.

Tokyo—Transmitters are at Nazaki. Sign off with national anthem, "Kimagayo." Nippon Hoso Kyokai, 2-Chome, Uchisaiwaicho, Kojimachi-ku.

HVJ—Announcements in Dutch, Italian, Polish, English, German, French, Spanish, Russian. A clock or metronome ticks seconds during 5 minutes preceding broadcasts. Bells of St. Peters strike hour. Open and close with Laudetur Jesus Christus." Pontifica Academia Della Scienze, Roma-Castina Pio IV.

KGEI—Transmitter at Treasure Island. General Elec. Co., 235 Montgomery St., San Francisco, Calif.

TGWA—Radiodifusora Nacional, "La Voz de Guatemala." Relay TGW. Return postage is not necessary for verifications.

VLR—Transmitter at Lyndhurst. Australian Broadcasting Commission (Victorian Division), P. O. Box 1686, GPO, Melbourne, Vic., Australia.

WCAI—Trans. at Newton Square. Relays CBS-WCAU. WCAU Brdcastg. Co., 1622 Chestnut St., Philadelphia, Pa.

WCBI—"The Voice of Labor." Transmitter, York Township. Relays NBC-WCFL. Sign off in English, French, German, Norwegian, Polish, Russian and Spanish. Chicago Federation of Labor, 666 Lake Shore Drive, Chicago, Ill.

WCBX—Transmitter at Wayne Twp., N. J. Relays CBS-WABC. Sign off, "Star Spangled Banner." Columbia Broadcasting Sys., 485 Madison Ave., New York City.

WGEA—Transmitter at South Schenectady. Relays NBC-WGY. Programs commence with discharge of man-made lightning. General Elec. Co., 1 River Road.

WLWO—Transmitter at Mason. Relays NBC-WLW. Crosley Corp., 1320 Arlington St., Cincinnati, Ohio.

WNBI—Transmitter at Bound Brook, N. J. Relays NBC-WJZ. Sign off with "Star Spangled Banner." NBC, Inc., 30 Rockefeller Plaza, New York, N. Y.

WPIT—Transmitter at Saxonburg. Relays NBC-KDKA. Westinghouse Electric & Mfg. Co., Grant Bldg., Pittsburgh, Pa.

WSLA—"Dedicated to Enlightenment." World Wide Broadcasting Corp., Educational Director, University Club, Boston, Mass.

Warren Dame, 5 Central St., Saxonville, Mass. SWL cards).

Gus Nianduris, 317 W. 8th St., Marion. (SWL cards and correspond with Howard 430 owners).

Jack Irwin, 3811-24th St., N.E., Washington, D. C. (SWL cards and correspondence).

Martin Lewis, 54 Highland Ave., Port Washington, N. Y. (correspond with DXers of H. S. age).

Philippe Bates, 4101 Stanwood St., Holmesburg, Philadelphia, Pa. (SWL cards and correspond with owners of SW 3).

J. Elvin Allen, 209 S. Nevada Ave., Colorado Springs, Colo. (correspond).

John W. Clark, 28-24 Utopia Parkway, Flushing, N. Y. (SWL cards).

Norbert A. Greenwood, 47 Allen St., Rutland, Vt. (SWL cards and correspondence).

Luther Schnake, 1608 Campbell Ave., Des Plaines, Ill. (SWL cards).

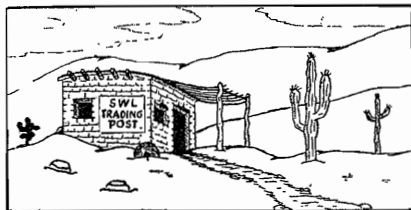
Leon Chacona, 309 E. Buffalo St., Ithaca, N. Y. (Correspond with owners of Hallicrafters Sky Champion. Will also swap a new Astatic 07 Crystal pick up for—what have you?).

Jim Wilson, 4831 E. 61st St., Maywood, Calif. (Correspond with DXers; will answer all letters).

Warren Dame, 5 Central St., Saxonville, Mass. (SWL cards).

Wm. H. Schroeder, 1605 Jackson St., Scranton, Pa. (Correspond with exchange SWL cards).

Vernon H. Shearer, Jr., 219 Whitehall St., S. W., Atlanta, Ga. (Correspondence concerning logging of Alaskan BCB stations).



Conrad J. Klank, 723 N. Division St., Buffalo, N. Y. (swap SWL cards and photos).

Floyd Flater, 316 Campbell Ave., White Bear Lake, Minn. SWL cards and photos. Correspondence in foreign countries).

C. R. Wilson, 69 Grant St., Portland, Maine. (swap newspapers, radio magazines, club bulletins and stamps).

Lea Herz, 723 California Terrace, Chicago, Ill. (swap listening post photos).

The next issue of RADEX will be on your newsstands on April 25th. Please ask your newsdealer to reserve your copy for you. Or better still, you may subscribe and receive your copies through the mail, for only \$1.25 for six issues.

The WORLD'S Radio Stations

(Continued From January-February Issue)

A complete listing of the radio stations of
the world, from 500 kcs to 500,000 kcs.

The addresses and broadcasting schedules of the shortwave broadcasting stations are not shown in this list. Readers are referred to The Shortwave Broadcasting Station List for this information.

| | | | | |
|-------|--------|------|-------|---|
| 5758 | YNOP | B | .... | Managua, Nicaragua |
| 5770 | TG25 | C | .... | Mobile in Guatemala |
| 5780 | CMA5 | C | 1000 | Havana, Cuba. Cuba Transatlantic Radio Corp., Obispo Aguiar. |
| | CYC | T | .... | Amos, P. Q. Canadian National R. R. |
| | HRH | C | 400 | Tela, Honduras. Tela R. R. Co. |
| | PVA2 | C | .... | Abaete, Para, Brazil. |
| 5790 | JVU | C | 10000 | Nazaki, Japan. |
| | TG25A | C | 100 | Portable in Guatemala. Casa Presidential |
| | TG25E | C | 100 | Portable in Guatemala. Same as TG25A |
| 5795 | CIA | T | .... | Barrie, Ont. Dept. of Nat'l. Defense, Dominion Gov't. |
| 5810 | CJS | C | .... | Butedale, B. C. Canadian Fishing Co., Ltd. |
| | HRB3 | C | 400 | Tegucigalpa, Honduras. Tropical Radio Teleg. Co. |
| 5820 | CEC | T | .... | Santiago, Chile. Gia. International de Radio, Casilla 16-D |
| 5824 | TIGPH | B | 1000 | San Jose, Costa Rica |
| 5830 | TDD | T | 20000 | Shinkio, Manchukuo. Man. Teleg. & Teleph. Co. |
| 5832½ | CIP8 | T | .... | Calgary, Alta. Dominion Gov't. |
| 5850 | WOB | C | .... | Lawrenceville, N. J. |
| 5875 | HRN | B | 500 | Tegucigalpa, Honduras. |
| 5880 | IUA | C | .... | Addis Ababa, Italian East Africa. |
| 5882 | ZEA | B | 325 | Salisbury, Southern Rhodesia. G.P.O., Station Sec'y, Box 792. |
| 5887½ | KAFF | FA | 50 | Sioux Falls, S. Dak. Aeronautical Radio, Inc. |
| 5890 | JIC | .... | .... | Taihoku, Taiwan. |
| 5895 | HRO | C | 400 | Warunta, Honduras. Marc Bunell. |
| 5900 | ZNB | B | 250 | Mafeking, Bechuanaland. |
| 5915 | HH2S | B | .... | Port-au-Prince, Haiti. |
| 5930 | PWH | .... | .... | Abrolhos, Brazil |
| 5940 | PJCI | B | 150 | Willemstad, Netherland Antilles. |
| 5945 | TG2X | B | 200 | Guatemala City, Guat. |
| 5950 | CPQ6 | C | .... | Oruro, Bolivia |
| 5970 | TDF | C | .... | Shinkio, Manchukuo. Man. Teleg. & Teleph. Co. |
| 5975 | CS2WD | B | 250 | Lisbon, Portugal |
| | OAX4P | B | 250 | Huancayo, Peru |
| 5976 | KNR | C | .... | Clearwater, Calif. Mackay Radio & Teleg. Co. |
| 5980 | VONG | B | .... | St. John's, Newfoundland |
| 5984 | HJ4DAG | B | 150 | Quibdo, Colombia. |
| 5985 | HRO2 | C | 400 | Warunta, Honduras. Marc Bunell |
| 5995 | VUD2 | B | 10000 | Delhi, India. |
| 600 | CXA2 | B | 5000 | Montevideo, Uruguay |
| | HH2S | B | .... | Port-au-Prince, Haiti |
| | RV59 | B | 10000 | Moscow, U. S. S. R. |
| | XEBT | B | 500 | Mexico City, D. F. |
| 6005 | CFCX | B | 75 | Montreal, P. Q. |
| | HP5K | B | 200 | Colon, Panama. |
| 6007 | XYZ | B | 1500 | Rangoon, Burma |
| | ZRH | B | 5000 | Pretoria, Union of S. Africa. |
| 6010 | CJCX | B | 1000 | Sydney, N. S. |
| | OLR2A | B | 35000 | Prague, Germany |
| | PRA8 | B | 5000 | Pernambuco, Brazil. |
| 6015 | H13U | B | 100 | Santiago de los Caballeros, Dominican Republic. |
| | JLR | T | .... | Tokyo, Japan. Nippon Hoso Kyokai, Shiba-ku. |
| | XEWI | B | 400 | Mexico City, D. F. |
| 6020 | DJC | B | 50000 | Berlin, Germany |
| | XEUW | B | 20 | Veracruz, Ver. C. |
| 6025 | H11J | B | 100 | San Pedro de Macoris, D. R. |
| 6035 | GFVP | B | 100 | Calgary, Alta. |
| | HP5B | B | 100 | Panama City, Panama |
| | OLR2B | B | 35000 | Prague, Germany |
| | XEBQ | B | 100 | Mazatlan, Sin. |
| 6035 | T17VM | B | 500 | Las Juntas, Costa Rica |
| 6040 | KZIB | B | | Manila, Philippines. |
| | TPB16 | B | 25000 | Paris, France |
| | WDJM | B | 5000 | Miami Fla. |

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|-------|--------|---|-------|---|
| | WSLA | B | 20000 | Boston, Mass. |
| | YDA | B | 10000 | Tandjong Priok, Java., N.E.I. |
| 6042 | HJ1ABG | B | 600 | Barranquilla, Colombia |
| 6044 | ZP14 | B | 1000 | Villarriva, Paraguay |
| 6045 | XETW | B | 100 | Tampico, Gt. Britain |
| 6050 | GSA | B | 20000 | London, Gt. Britain |
| 6053 | VK9MI | B | 50 | M. V. "Kanimba." |
| 6054 | HJ6FAB | B | 501 | Pereira, Colombia |
| 6055 | .... | B | 25000 | Bern, Switzerland |
| 6060 | VQ7LO | B | .... | Nairobi, Kenya |
| | WCAB | B | 10000 | Philadelphia, Pa. |
| | WLWO | B | 10000 | Cincinnati, Ohio |
| 6065 | SBO | B | 500 | Stockholm, Sweden |
| | XEXR | B | 100 | Mexico City, D. F. |
| 6070 | CFRX | B | 1000 | Toronto, Ont. |
| 6075 | XECU | B | 250 | Guadalajara, Jal. |
| 6079 | DJM | B | 50000 | Berlin, Germany |
| 6080 | CKFX | B | 10 | Vancouver, B. C. |
| | HP5F | B | .... | Colon, Panama |
| | XEQO | B | .... | Mexico City, D. F. |
| 6082 | OAX4Z | B | 10000 | Lima, Peru |
| 6085 | ZHO | B | .... | Singapore, Straits Settlements |
| 6090 | TPB15 | B | 25000 | Paris, France |
| | XEBF | B | 100 | Jalapa, Ver. C. |
| | ZBW2 | B | 2400 | Hong Kong. |
| | ZNS | B | .... | Nassau, Bahamas. |
| 6095 | JZP | T | .... | Tokyo, Japan. Nippon Hoso Kyokai, Shiba-ku |
| | ZGE | B | .... | Kuala Lumpur, Federated Malay States. |
| 6096 | | B | .... | Tananarive, Madagascar |
| 6097½ | ZRJ | B | 200 | Johannesburg, Union of So. Africa. |
| | ZRK | B | 5000 | Capetown, Union of So. Africa. |
| 6100 | KZRH | B | .... | Manila, Philippines. |
| | WNBI | B | 25000 | New York, N. Y. |
| | W9XF | B | 10000 | Chicago, Ill. |
| 6015 | YUA | B | 1000 | Belgrade, Jugo Slavia |
| | HI3C | B | 30 | La Romana, D. R. |
| 6110 | GSL | B | .... | London, Gt. Britain |
| | XEGW | B | 250 | Mexico City, D. F. |
| 6115 | .... | B | .... | Saigon, French Indo-China. |
| 6120 | WCBX | B | 10000 | New York, N. Y. |
| 6122 | FK8AA | B | .... | Nouema, New Caledonia |
| | H18T | B | 30 | San Cristobal, D. R. |
| | HJ3CAX | B | 750 | Bogota, Colombia |
| | TGWB | B | 1000 | Guatemala City, Gt. B. |
| 6125 | HP5H | B | .... | Panama City, Panama |
| | LYZ | B | .... | Kaunas, Lithuania |
| | OAX7A | B | 100 | Cuzco, Peru |
| 6130 | CHNX | B | 500 | Halifax, N. S. |
| | COCD | B | 250 | Oslo, Norway |
| | LKJ | B | 5000 | Mexico City, D. F. |
| | XEUZ | B | 100 | Georgetown, British Guiana |
| 6132 | VP3BG | B | .... | Mexico City, D. F. |
| | XEXA | B | 100 | Havana, Cuba |
| 6137 | CR7AA | B | .... | Lourenco Marques, Portuguese East Africa |
| 6140 | KZRF | B | .... | Manila, Philippines |
| | WPIT | B | 40000 | Pittsburgh, Pa. |
| 6145 | HJ4DAE | B | 700 | Medellin, Colombia |
| | TPB14 | B | 25000 | Paris, France |
| 6147 | ZEB | B | .... | Bulawayo, Southern Rhodesia |
| 6147½ | ZRD | B | 200 | Durban, Union of So. Africa |
| 6150 | CIRO | B | 2000 | Winnipeg, Man. |
| | TIEMC | B | 250 | San Jose, Costa Rica. |
| | VPB | B | .... | Colombo, Ceylon |
| 6165 | TILS | B | 2000 | San Jose, Costa Rica |
|  | .... | B | 25000 | Bern, Switzerland |
| 6170 | HI4V | B | 100 | San Francisco de Macoris, D. R. |
| | WCBX | B | 10000 | New York, N. Y. |
| 6174 | XEXA | B | .... | Mexico City, D. F. |
| 6180 | KHAGH | A | 50 | NC-14947, Lt. Col. G. H. Hutchinson, Baltimore, Md. |
| 6185 | HI1A | B | 75 | Santiago, D. R. |
| 6190 | HVJ | B | 15000 | Vatican City |
| | JLT | T | .... | Nazaki, Papan. Nippon Hoso Kyokai, Shiba-ku, Tokyo. |
| | KGEI | B | 20000 | San Francisco, Calif. |
| | TG2 | B | 200 | Guatemala City, Guat. |
| | WGEO | B | 40000 | Schenectady, N.Y. |
| | | | | Athlone, Ireland |
| 6200 | COKG | B | 1200 | Santiago de Cuba |

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| | KHAGH | A | 50 | NC-14947. Lt. Co. G. R. Hutchinson, Baltimore, Md. |
| | XEXS | B | 100 | Mexico City, D. F. |
| | ZGE | B | .... | Kuala Lumpur, F. M. S. |
|  | .... | B | .... | Saigon, French Indo-China |
| 6206 | HI2D | B | 100 | Trujillo, D. R. |
| 6120 | | | | Allocated as an aircraft calling and working frequency for use by non-scheduled aircraft on a world-wide basis. |
| | KHAGH | A | 50 | NC-14947. Lt. Col. G. R. Hutchinson, Baltimore, Md. |
| | KHCIS | A | 30 | NC-10795. Star Air Lines, Inc. |
| | KHCIV | A | 100 | NC-18997. American Export Airlines. |
| | KHCXY | A | 10 | NC-22580. State of Maine, Dept. of Inland Fisheries and Game, Augusta, Me. |
| | KHDDT | A | 35 | NC-20953. New York Daily News., NYC. |
| 6235 | HRD2 | B | 250 | La Ceiba, Honduras. |
| 6243 | HI1N | B | 700 | Trujillo, D. R. |
| 6280 | HI1G | B | 200 | Trujillo, D. R. |
| 6282 | COHB | B | 150 | Sancti-Spiritus, Cuba |
| 6312 | ZP14 | B | 1000 | Villarrica, Paraguay |
| 6316 | HI1Z | B | 100 | Trujillo, D. R. |
| 6330 | COCW | B | .... | Havana, Cuba |
| 6335 | OAX1A | B | 200 | Chiclayo, Peru |
| 6340 | HI1X | B | 900 | Trujillo, D. R. |
| 6251 | HRP1 | B | 100 | San Perdo Sulá, Honduras. |
| 6355 | LAC | B | .... | Rome, Italy. |
| 6380 | ZIZ | B | .... | Basseterre, St. Kitts. |
| 6383 | HI9B | B | 200 | Santiago, D. R. |
| 6385 | WO9 | FA | .... | Mitchell Field, L. I., N. Y. |
| 6390 | COX | G | .... | Havana, Cuba. Press & Cultural Dept., Cuban Army. |
| 6420 | HI1S | B | 200 | Santiago de los Caballeros, D. R. |
| | TGOA | B | 200 | Quezaltenango, Guatemala. |
| 6425 | CY2Q | C | .... | Atlin, B. C. B. C. Provincial Police. |
| | CZC | P | .... | Bralorne, B. C. Same as CY2Q |
| | CZ7A | C | .... | Alert Bay, B. C. Same as CY2Q |
| | KDKC | ... | .... | Los Angeles, Calif. James Wallington, CBS, Columbia, Square. |
| | KHRH | RB | 100 | NC-19904. Howard R. Hughes, New York, City. |
| | KRTA | E | 125 | Snow Cruiser, Little America. Byrd Antarctic Expedition. |
| | KRTC | E | 125 | East Base, Little America. Same as KRTA |
| | KRTK | E | 125 | West Base, Little America. Same as KRTA |
| | KSFM | RB | .... | New York, N. Y. NBC, Inc. |
| | K6XAK | GE | 1500 | Kaena Point, Oahu, T.H. Globe Wireless, Ltd. |
| | WNBM | RB | .... | New York City. NBC, Inc. |
| | W2XGB | B | 10000 | Hicksville, N. Y. |
| | W4XD | RB | 2 | Raleigh, N. C. WPTF Radio Co. |
| | W4XID | E1 | 50 | W. Palm Beach, Fla. Gray Radio Co. |
| | W6XQW | GE | 1000 | Palo Alto, Calif. Standard University |
| | W6XXT | GE | 5000 | Portable. Press Wireless, Ltd. |
| | W7XBA | E | 15 | Portable. Norten Radio Co. |
| | W7XEY | E1 | 60 | Seattle, Wash. Radio Labs., Inc. |
| | W7XEZ | E1 | 60 | Seattle, Wash. Same as W7XEY |
| | W7XUK | GE | 10 | Portable. W. Va. Univ., Dept. of Physics. |
| | W8XUL | GE | 10 | Portable. Same as W8XUK |
| | W9XEI | GE | 400 | Lake Bluff, Ill. Thorne Donnelly. |
| | W10XDA | E1 | 100 | "Effie M. Morrissey." Donald Elias Clark, New York City. |
| | W10SIF | E | .... | Yacht "Mako." Thorne Donnelly. |
| | W10XJF | GE | 25 | Portable. Harvey Radio Labs., Inc. |
| | W10XKG | E2 | 75 | Tow Boat "Alex Mackensie." Radiomarine Corp of America. |
| 6430 | WCBN | RB | .... | New York City. CBS, Inc. |
| 6470 | WMI | ... | .... | Lorain, Ohio. Lorain County Radio Corp. |
| 6480 | HI1L | B | 100 | Santiago, D. R. |
| | TGWB | B | 1000 | Guatemala City, Guat. |
| 6490 | WAZM | FA | 200 | Madison, Wis. Aeronautical Radio, Inc. |
| 6500 | HI1 | B | 60 | Trujillo, D. R. |
| | I2AA | FA | .... | Tokyo, Japan. Haneda Airdrome. |
| | KGTA | FA | .... | Winslow, Ariz. Aeronautical Radio, Inc. |
| 6520 | KGTD | FA | .... | Wichita, Kans. Same as KGTA |
| | KHCGK | A | .... | Transcontinental & Western Air, Inc. |
| | KIS | FA | .... | Burbank, Calif. Same as KGTA |
| | KST | FA | .... | Kansas City, Mo. Same as KGTA |
| | KSV | FA | | Amarillo, Tex. Same as KGTA |
| | KSX | FA | 2500 | Albuquerque, N. Mex. Same as KGTA |
| | WSDM | FA | | Albany, N. Y. Same as KGTA |

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| 6540 | KHCOR | A | 50 | NC-21750. Canadian-Colonial Airways, Inc. |
| | KHCOS | A | 50 | NC-21750. Canadian-Colonial Airways, Inc. |
| | YNI GG | B | .... | Managua, Nicaragua. |
| 6550 | TIRCC | B | 500 | San Jose, Costa Rica |
| 6565 | HI5P | B | 30 | Puerto Plata, D. R. |
| 6570 | KIQA | FA | 20 | Tanana, Alaska. Pacific Alaska Airways, Inc. |
| 6575 | HCI VT | B | .... | Ambato, Ecuador |
| 6580 | KGJW | FA | .... | Brownsville, Texas. Pan American Airways, Inc. |
| 6590 | COCU | B | .... | Havana, Cuba |
| | KAZV | FA | 100 | Fairbanks, Alaska. Harold Gillman |
| | KBLC | FA | 50 | Corpus Christi, Texas. Aeronautical Radio, Inc. |
| | KBRN | FA | 3000 | Brownsville, Tex. Same as KBLC |
| | KHCFI | A | 30 | NC-552-N. Peck & Rice Airways, Bethel, T.A. |
| | KHCIS | A | 30 | NC-10795. Star Air Lines. |
| | WAHY | FA | 1000 | Memphis, Tenn. Same as KBLC |
| | WAHZ | FA | 50 | Birmingham, Ala. Same as KBLC |
| | WARS | FA | 50 | Muscle Shoals, Ala. Same as KBLC |
| | WEEL | FA | 50 | Beaumont, Tex. Same as KBLC |
| | WOET | FA | 1000 | Charlotte, N. C. Same as KBLC |
| | WPAE | FA | 50 | Philadelphia, Pa. Same as KBLC |
| | WSJM | FA | 400 | Tampa, Fla. Same as KBLC |
| 6600 | HI6H | B | 100 | Trujillo, D. R. |
| | KBRN | FA | 3000 | Brownsville, Tex. Aeronautical Radio Inc. |
| | WAHY | FA | 1000 | Memphis, Tenn. Same as KBRN |
| | WOET | FA | 1000 | Charlotte, N. C. Same as KBRN |
| | WSJM | FA | 400 | Tampa, Fla. Same as KBRN |
| 6610 | KAJQ | FA | .... | Mau Airport, Hawaii. 125 watts on code, 50 watts on voice. Inter-Island Airways, Ltd. |
| | YNLG | B | 1000 | Managua, Nicaragua |
| 6622 | PRADO | B | .... | Rio Bamba, Ecuador |
| 6630 | HIT | B | 100 | Trujillo, D. R. |
| 6638 | HC2RL | B | 200 | Guayaquil, Ecuador |
| ***0 | HI6Y | B | 30 | Trujillo, D. R. |
| | WOGK | S | 100 | Yacht "Mako." Thorne Donnelley |
| 6662 | WXH | G | .... | Ketchikan, Alaska |
| 6672 | YVO | T | .... | Maracay, Venezuela |
| 6675 | HBO | B | .... | Geneva, Switzerland |
| 6680 | VQC | ... | .... | Tawau, British North Borneo |
| 6685 | VOB3 | ... | .... | Sandakan, British North Borneo |
| 6690 | VK8SK | ... | .... | Broken Hill, NSM, Australia. Austrian Aerial Medical Service. |
| 6690 | VQD | ... | .... | Kudat, Brit. North Borneo |
| 6700 | TIEP | B | 1000 | San Jose, Costa Rica |
| 6710 | KEF | C | .... | Bolinas, Calif. |
| | PMH | B | 1500 | Bandoeng, Java, N.E.I. |
| 6720 | VSR | ... | .... | Lahad, Batu, Brit. North Borneo |
| 6730 | VOA4 | ... | .... | Jesseltan, Brit. North Borneo |
| 6755 | WOA | C | .... | Lawrenceville, N. J. |
| 6760 | ... | G | .... | Bolling Field |
| 6762 | TDA | T | 20000 | Shinkio, Manchukuo. Manchukuo Teleg. & Teleph. Co. |
| 6780 | HIH | B | 250 | San Pedro de Macoris, D. R. |
| 6790 | CMA5 | C | 1000 | Havana, Cuba. Cuba Transatlantic Radio Corp., Obispo y Aguiar |
| 6800 | PZH | B | .... | Paramaribo, Surinan |
| 6825 | CJS | C | .... | Butedale, B. C. Canadian Fishing Co., Ltd. |
| 6845 | KEN | C | .... | Bolinas, Calif. R.C.A. Communications, Inc. |
| 6860 | KEL | C | .... | Bolinas, Calif. R.C.A. Communications, Inc. |
| 6890 | KEB | C | .... | Bolinas, Calif. R.C.A. Communications, Inc. |
| 6905 | GDS | T | 15000 | Rugby, Gt. Britain. G.P.O. (Radio Section), Amour House, St. Martins le Grand, Lon- don EC1 |
| 6915 | XBA | GEO | .... | Tacubaya, D. F. Servicio Mereorologico Mexi- cano |
| 6950 | GBY | T | .... | Rugby, Gt. Britain. G.P.O. (Radio Section), Armour House, St. Martins le Grand, Lon- don EC1. |
| 6960 | VK8SC | ... | .... | Port Hedland, Australia. Austrian Airways Medical Service. |
| | 2ZB | B | 200 | Wellington, New Zealand |
| 7980 | VBV6 | C | .... | Calgary, Alta. Dominion Gov't. |
| 6995 | CLX | ... | 250 | Havana, Cuba. Observatorio Nacional, Casa Blanca. |
| | 7000 to 7300 AMATEURS | | | United States and Canadian amateurs use code only in this band. Most other countries use voice. |
| 7006 | FETI | B | | Valladolid, Spain |
| 7010 | XPSA | B | 10000 | Kweiyang, Kweichow, China. |
| 7060 | CPQ7 | C | | Oruro, Bolivia. |

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|------|--------|-----|--------|---|
| 7075 | KC4USA | ... | | West Base, Little America. 500 watts on CW, 400 watts on voice. Byrd Antarctic Expedition. |
| | KC4USB | ... | .... | East Base, Little America. See above. |
| | KC4USC | ... | .... | Byrd Snow Cruiser, Little America. See above. |
| 7088 | PI1J | B | 50 | Dortrecht, Netherlands. |
| 7090 | FO8AA | B | .... | Papeete, Tahiti |
| 7100 | EA9BJ | ... | .... | Spanish Morocco |
| 7177 | CR6AA | B | .... | Lobito, Angola |
| 7200 | EA8AE | B | .... | Las Palmas, Canaries |
| 7220 | I2RO11 | B | 100000 | Rome, Italy |
| 7222 | YV9AB | ... | .... | In Venezuela on Guiana-Brazil Border. Expedition Tecnico de Minería y Geología, Ministerio de Fomento, Caracas. |
| 7230 | GSW | B | .... | London, Gt. Britain |
| 7260 | GSU | B | .... | London, Gt. Britain |
| 7270 | EA8AS | B | .... | Teneriffe, Canaries. |
| 7284 | YV9AB | ... | .... | In Venezuela on Guiana-Brazil Border. Expedition Tecnico de Minería y Geología, Ministerio de Fomento, Caracas. |
| 7300 | VIG | B | .... | Port Moresby, Papua |
| 7380 | XECR | B | 20000 | Mexico City, D. F. |
| 7435 | FG8AH | B | .... | Pointe-a-Pitre, Guadeloupe. |
| 7460 | CYG | FA | .... | Cranbrook, B. C. Trans Canada Air Lines |
| 7475 | CPP6 | C | .... | Viacha, Bolivia |
| 7480 | CPP3 | C | .... | La Paz, Bolivia |
| | WQPS | SP | .... | Springfield, Ill. State of Ill. Div. of Highways. |
| | WQPX | SP | .... | Portable. Same as WQPS |
| 7495 | JYY | C | .... | Tokyo, Japan |
| 7510 | JVP | B | 50000 | Tokyo, Japan |
| 7520 | KKH | C | 10000 | Kahuku, Hawaii. R.C.A. Communications, Inc. |
| | RKI | B | .... | Moscow, U. S. S. R. |
| 7532 | HJA3 | C | .... | Bogota, Colombia |
| 7555 | WOZ | C | 80000 | Lawrenceville, N. J. |
| 7565 | KWY | C | .... | Dixon, Calif. |
| | WDJ | C | 20000 | Ocean, Gate, N. J. American Teleph. & Teleg. Co. |
| 7570 | TDG | C | .... | Shinkio, Manchukuo. Man. Teleg. & Teleph. Co. |
| 7610 | KWX | C | 40000 | Dixon, Calif. |
| 7620 | IUB | ... | .... | Addis Ababa, Italian East Africa |
| 7650 | CPQ2 | C | .... | La Paz, Bolivia |
| 7700 | TYC2 | T | .... | Ste. Assise, France. L'Engenieur en Chef, Directeurs de Service de la Telegraphie sans Fil, 5 rue Froidevaux (14e) Paris. |
| 7715 | KEE | C | 40000 | Bolinas, Calif. |
| 7750 | CMA5 | C | .... | Havana, Cuba |
| 7797 | HBP | B | 20000 | Geneva, Switzerland |
| 7805 | WQPS | SP | .... | Springfield, Ill. State of Ill. Div. of Highways. |
| | WQPX | SP | .... | Portable. Same as WQPS |
| 7810 | CIA | T | .... | Barriefield, Ont. Dept. of Nat'l Defense, Dominion Gov't. |
| 7865 | HRU3 | C | 400 | Puerto Castilla, Honduras. Tela R.R. Co. |
| 7870 | HC1RB | B | .... | Quito, Ecuador |
| | YBB | C | .... | Palembang, Sumatra, N.E.I. 4th Telegraph and Teleph. District. |
| 7894 | YSD | B | .... | San Salvador, El Salvador. |
| 7901 | LSL1 | T | .... | Buenos Aires, Argentina. Cia. International de Radio, S. A., Defensa 143 |
| 7920 | GDP | T | .... | Rugby, Gt. Britain. |
| 7935 | KGPX | ZP | .... | Denver, Colo. City and County of D. |
| | KQEI | MP | .... | Tulsa, Okla. City of T. |
| | WPDY | MP | .... | Atlanta, Ga. City of A. |
| | WPEC | MP | .... | Memphis, Tenn. City of M. |
| | WQPS | SP | .... | Springfield, Ill. State of Ill. Div. of Highways. |
| | WQPX | SP | .... | Portable. Same as WQPS |
| 7968 | WSJ | C | .... | Bangkok, Thailand. Post and Telegraph Dept. |
| 7970 | HRE2 | C | 400 | Tegucigalpa, Honduras. Tropical Radio Teleg. Co. |
| | XGL | C | .... | Shanghai, China |
| 7985 | HRH2 | C | 400 | Tela, Honduras. Tela R.R. Co. |
| 8015 | HAZV | FA | 100 | Fairbanks, Alaska. Harold Gillman |
| | KFRA | FA | 100 | Flat, T. A. Star Air Lines, Inc. |
| | KFRD | FA | 100 | Candle, T. A. Same as KFRA |
| | KIOA | FA | 20 | Tanana, T. A. Pacific Alaska Airways, Inc. |
| | VEZ | FA | .... | Burwash Landing, Yukon Territory. Dom. Gov't. |
| 8025 | PVA3 | ... | .... | Alcobaca, Para, Brazil |
| 8050 | WXA | ... | .... | Juneau, Alaska |
| 8055 | PVA3 | ... | .... | Alcobaca, Para, Brazil |
| 8070 | KAEW | ... | .... | Umnak, Alaska |

| | | | | |
|------|-------|-----|-------|---|
| | KAJJ | T | .... | Atka, T. A. Territory of Alaska |
| | KAQF | ... | .... | Unalaska, T. A. |
| 8075 | WEZ | C | .... | Rocky Point, N. Y. |
| 8095 | VLK | ... | .... | Sydney, NSW, Australia |
| 8108 | PVA3 | ... | .... | Alcobaca, Para, Brazil |
| 8110 | K7XFO | SE | 150 | Anchorage, Alaska. |
| | K7XFR | SE | 150 | Ketchikan, T. A. Alaska Aeronautics and Communications Commission |
| | K7XFS | SE | 150 | Ketchikan, T. A. Same as K7XFR |
| | K7XFU | ... | .... | Juneau, T. A. Same as K7XFR |
| | K7EGG | SE | 150 | Cordova, T. A. Same as K7XFR |
| | K7XGH | SE | 150 | Gravina Island, T. A. Same as K7XFR |
| | K7XGI | SE | 150 | Ralston, T. A. Same as K7XFR |
| 8130 | KBRN | FA | 3000 | Brownsville, Tex. Aeronautical Radio, Inc. |
| | K7XFU | ... | .... | Juneau, Alaska. Alaska Aeronautical and Communications Commission |
| | WAHY | FA | 1000 | Memphis, Tenn. Same as KBRN |
| | WOET | FA | 1000 | Charlotte, N. C. Same as KBRN |
| | WSJM | FA | 400 | Tampa, Fla. Same as KBRN |
| 8210 | HRD | FA | 14 | Toncontin, Honduras, Pan American Airways |
| 8220 | KINH | FA | 40 | Ketchikan, Alaska. Pacific Alaska Airways, Inc. |
| | KINL | FA | .... | Juneau, T. A. Same as KINH |
| | KIQA | FA | 20 | Tanana, T. A. Same as KINH |
| 8233 | W4XIJ | FA | 1000 | Coral Gables, Fla. Pan American Airways, Inc. |
| 8240 | WPAC | FA | .... | Grand Falls, Newfoundland. Nfld. Airport, Squadron Leader H. A. L. Pattison. |
| 8280 | KHAGH | A | 50 | NC-14947. Lt. Col. G. H. Hutchinson, Baltimore, Md. |
| | KHCIY | A | 100 | NC-18997. American Export Airlines. |
| 8415 | CLX | ... | 250 | Havana, Cuba. Observatorio Nacional, Casa Blanca. |
| 8543 | IBGI | S | .... | S. S. "Conte Verde." |
| 8555 | PWH | ... | .... | Abrolhos, Brazil |
| 8560 | WOO | T | 20000 | Ocean Gate, N. J. American Teleph. & Teleg. Co. Long Lines Dept., 32 Sixth Ave., NYC. |
| 8570 | VEW | C | .... | Calgary, Alta. Dominion Government |
| 8580 | YNPR | B | 500 | Managua, Nicaragua. |

(To be continued in the next issue)

Explanation of the Third Column Symbols:

- A—Aircraft.
- B—Broadcast.
- C—Commercial Telegraph.
- F—Forestry.
- G—Government.
- P—Police.
- S—Ship.
- T—Radio Telephone.
- FA—Aeronautical (ground).
- FMB—Frequency modulated broadcasting station.
- GEO—Geophysical.
- RC—Circular radiobeacon.
- RD—Directional radiobeacon.
- RG—Direction finding station.
- LH—Lighthouse.
- RR—Radio range station.
- MP—Municipal police.
- SP—State police.
- ZP—Zone police.

- EM—Emergency.
- SEM—Special emergency.
- MF—Marine fire.
- MR—Marine Relay.
- PR—Press relay.
- RB—Relay broadcast.
- FAC—Facsimile.
- TV—Television video.
- TA—Television audio.
- NCE—Non-commercial educational.
- CC—Coastal Telegraph.
- CH—Coastal harbor.
- CHC—Coastal harbor telegraph.
- CHT—Coastal harbor telephone.
- E
- E1
- E2
- E3
- GE—General Experimental.
- SE—Special Experimental.

All the Mobile and Portable-Mobile police stations installed in police automobiles bear the same call letters as the Fixed police broadcast station to which they report, and in many cases they work on the same frequency. We list herewith the Fixed station, and in parentheses we show the number, and the power of the Portable and Portable-Mobile units attached to that station, as for example:

WRHD MP 250 Louisville, Ky. (2 units-12 w).

Australia Broadcasts To The World

The first short-wave world broadcasting service ever to be undertaken by a British Dominion was introduced by the Australian Broadcasting Commission—on behalf of the Australian Ministry of Information—on Wednesday, December 20, 1939. The Prime Minister of the Commonwealth, the Rt. Hon. R. G. Menzies, formally inaugurated the service, his address being relayed by the BBC in its Home and Overseas Services. French and German translations of the speech were subsequently broadcast from Australia.

Designed to cover all parts of the world, the new service is divided into nine transmission periods each day. They are:

Transmission 1A, 2-4 am EST

Frequency: 9.615 Mc/s; Call-sign: VLQ

Directive over the British Isles, France, Scandinavia, Denmark, Holland, Belgium, Switzerland, Russia, and Germany.

The languages used are English, French, and German. Talks in those tongues are broadcast as follows: German, 2:35 am; English, 3:15 am; French, 3:45 am. At a later date, broadcasts in Dutch, Russian, and Norwegian will be introduced.

Transmission 1B, 2:30-3:30 am EST

Frequency: 11.87 Mc/s; Call-sign:

VLQ2

Directive over Turkey, Greece, the Balkan States, Hungary, Czechoslovakia, Italy, Spain, Portugal, and North Africa.

English and Spanish are the languages in use; Italian, Arabic, and Turkish will be added later. A talk in Spanish is broadcast at 2:45, and another in English at 3:15.

Transmission 2A, 7-8 am EST

Frequency: 9:615 Mc/s; Call-sign: VLQ

Directive over North America (Eastern and Middle States).

Transmission is in English, and the principal talk is given at 7:30.

Transmission 2B, 10:30-11:30 am EST

Frequency: 9:615 Mc/s; Call-sign: VLQ

Directive over North America (Middle and Western States). The principal talk is given at 11 am.

Transmission 3, 8:15-8:45 am EST

Frequency: 9:615 Mc/s; Call-sign: VLQ

Directive over India, Indo-China, and Burma. English is the language in use, the principal talk being broadcast at 8:30.

Transmission 4, 6:30-7 am EST

Frequency: 9:615 Mc/s; Call-sign: VLQ

Directive over South America (Eastern, Central, and Western States). Broadcasts are in English and Spanish, an English talk being given at 6:40 and one in Spanish at 6:50.

Transmission 5, 12:30-1:30 pm EST

Frequency: 11.83 Mc/s; Call-sign: VLW3

Directive over Africa. Broadcasts in English and Afrikaans.

Transmission 6A, 9-9:30 am EST

Frequency: 9.58 Mc/s; Call-sign: VLR

Directive over Dutch East Indies. English and Dutch are the languages used.

Transmission 6B, 6:35-7 pm EST

Frequency: 11.88 Mc/s; Call-sign: VLR3

Directive over Japan, Philippine Islands, and Western Pacific Islands. Broadcasts are in English.

Reports from listeners on the quality of reception, and constructive comment on the service generally will be welcomed by the Australian Broadcasting Commission at 264 Pitt Street, Sydney, N.S.W.

Applications to the FCC

- CP—Construction permit.
mod.—modification.
lic.—license.
ltd.—limited time.
unltd.—unlimited time.
S. H.—specified hours.
- KDON, Monterey, CP 500(1), 1440 kcs.
KEEN, Seattle, CP 1370 kcs. to 1420 kcs.
KFBB, Great Falls, mod. of lic. for 900 kcs.,
5 kw.
KFIO, Spokane, CP 950 kcs., 1 kw. unltd.
KFNF, Shenandoah, mod. of CP to move
to Council Bluffs.
KFPW, Ft. Smith, CP 1370 kcs.
KFRU, Columbia, to 1370 kcs., 250 w. unltd.
KFYO, Lubbock, to 1380 kcs., 500(1).
KGM, Stockton, 1530 kcs., 1 kw. unltd.
KMAC, San Antonio, CP 930 kcs., 1000 w.
unltd.
KOV, Valley City, CP 1340 kcs., 500(1).
KOY, Phoenix, mod. of lic. for 550 kcs.
KRBC, Abilene, CP 940 from 1420; 1 kw.
KRM, Jamestown, CP 900 kcs., 1 kw.
KRRV, Sherman, CP 880 kcs., 1 kw. unltd.
KSD, St. Louis, CP 630 kcs.
KSEI, Pocatello, CP 600 kcs., 1 kw. unltd.
KTBS, Shreveport, CP 620 kcs., 1000(5)
unltd.
KWK, St. Louis, CP 630 kcs.
KXL, Portland, CP 730 kcs., 10 kw. unltd.
KXOK, St. Louis, CP 630 kcs., 1000(5).
KXYZ, Houston, CP 710 kcs.; 10 kw.
KYOS, Merced, CP 1390 from 1040; 500(1)
unltd.
WAPI, Birmingham, CP 1050 kcs., kw.
WCA, Canton, CP Watertown, N. Y.
WCOL, Columbus, to 1200 kcs., 250 w. unltd.
WGFB, Evansville, CP 1250 kcs., 1000(5)
unltd.
WGRC, New Albany, CP 880 kcs., 250 w.
unltd.
WHA, Madison, CP 670 kcs. 50 kw. unltd.
(facilities of WMAQ).
WIBC, Indianapolis, mod. lic. 1130 from
1050; 1 kw.
WJJD, Chicago, CP 1040 from 1130;
1000(25) unltd.
WKAQ, San Juan, CP 620 kcs. 5 kw.
WLAP, Lexington, CP 1270 kcs. 1 kw. unltd.
WMBC, Detroit, CP 600 kcs.
WREN, Lawrence, CP Kansas City.
WROL, Knoxville, CP 620 kcs. 500(1).
WSBT, South Bend, CP 930 kcs. 500 w.
unltd.
WSFA, Montgomery, CP 1410 kcs. 1 kw.
unltd.
WSPR, Springfield, CP 1240 from 1140; 500
w unltd.
WTJS, Jackson, CP 1380 from 1310; 1 kw.;
mod. lic. 250 unltd.
WWVA, Wheeling, CP 1140 from 1160; 50
kw.
- Applications for New Stations**
- Albemarle, N. C., Albemarle Brdcastg. Sta-
tion, 1370 kcs. 100 w. days.
Arlington, Va., Arlington Brdcastg. Corp., 1420
kcs 250 unltd.
Asheville, N. C., Publix-Bamford Theaters,
Inc., 1430 kcs. 1 kw. unltd.
Atlantic City, N. J., Atl. City Brdcastg. Co.,
1100 kcs. 5 kw. sharing with WBIL.
Atlantic City, N. J., Neptune Brdcastg. Corp.,
1420 kcs. 100(25).
Bainbridge, Ga., Post Search Light Co., 1500
kcs., 100(25).
Bellingham, Wash., Bell Brdcastg. Co., Inc.,
1200 kcs. 100(25).
Birmingham, Ala., B. News Co., 590 kcs. 1
kw. unltd.
Boston, Mass., Mayflower Brdcastg. Corp.,
1410 kcs. 500(1).
Bridgeport, Conn., Chas. Greenblatt, 1190
kcs. 250 w. ltd.
Bridgeport, Conn., Harold Thomas, 1420 kcs.
250 unltd.
Brownwood, Tex., Brown County Brdcastg.
Co., 990 kcs. 1 kw. days.
Burlington, Iowa, Burlington Brdcastg. Co.
Burlington, N. C., Burlington Brdcastg. Co.,
1420 kcs., 100 D.
Burlington, N. C., Central Carolina Brdcastg.
Co., 1420 kcs., 250 unltd.
kcs. 100 w. unltd.
Cedar Rapids, Iowa, The Gazette Co., 1420
Cheyenne, Wyo., Western Brdcastg. Co., 1210
kcs. 100(25).
Cleveland, Ohio, Cuyahoga Valley Brdcastg.
Co., 1500 kcs. 100 w. days.
Clinton, Iowa, Clinton Brdcastg. Corp.
Columbus, Miss., Birney Imes, 1370 kcs.
100(25) unltd.
Ely, Nev. Eastern Nev. Brdcastg. Co., 1500
kcs. 100 days.
Erie, Pa., Presque Isle Brdcastg. Co., 1500
kcs. 100(25) unltd.
Everett, Wash., Cascade Brdcastg. Co., 1420
kcs. 100(25) unltd.
Ft. Myers, Fla., Palm Radio Co., 1210 kcs.,
250 unltd.
Greenville, Tex., Hunt Brdcastg. Assn., 940
kcs., 1 kw D.
Hannibal, Mo., Courier Post Pub. Co.
High Point, N. C., High Point Brdcastg. Co.,
1120 kcs., 250 unltd.
Jacksonville, Ill., Stephenson, Edge & Kors-
meyer, 1370 kcs., 250 unltd.
Kosciusko, Miss., P. K. Ewing, 1500 kcs.,
100(25) unltd.
Las Vegas, Nev., Las Vegas Brdcastg. Co.,
1420 kcs. 100(25).
Las Vegas, Nev., Nev. Brdcastg. Co., 1370
kcs. 100(25) unltd.
Logan, W. Va., Frey and Greever, 1200
kcs. 100 days.
Lookout Mt., Ga., Lookout Mt. Corp. of Ga.,
1370 kcs., 100(25).
Louisville, Ky., Gateway Brdcastg. Co., 880
kcs. 500 unltd.
Martinsville, W. Va., M. Brdcastg. Co., 1420
kcs. 250 days.
Martinsville, W. Va., Patrick Henry Brdcastg.
Co., 1420 kcs. 100(25).
Miles City, Mont., E. E. Krebsbach 1310 kcs.,
100(25).
Miles City, Mont., Star Printing Co., 1310
kcs., 250 unltd.
Minneapolis, Minn., Independent Merchants
Brdcastg. Co., 1300 kcs., 1 kw. unltd.
Norfolk, Va., Colonial Brdcastg. Corp., 1370
kcs. 100(26).
North Sacramento, Calif., Grant Union High
School District, 1530 kcs., 1 kw.
Opelika, Ala., Opelika-Auburn Brdcastg. Co.,
1370 kcs. 100(25).
Orlando, Fla., Hazlewood Co., 1390 kcs. 1
kw. unltd.
Pawtucket, R. I., Pawtucket Brdcastg. Co.,
1390 kcs. 1 kw. unltd.
Phoenix, Ariz., M. C. Reese, 1200 kcs.
100(25) unltd.

Pontiac, Mich., King-Trendle Brdcstg. Corp., 1440 kcs. 250 unlt'd.
 Riverside, Calif., Brdcstg. Corp. of America, 1390 kcs. 1 kw.
 Riverside, Calif., Richard T. Sampson, 1390 kcs. 250 days.
 Rochester, N. Y., Edward J. Doyle, 1270 kcs. 500 days.
 Salina, N. Y., Sentinel Brdcstg. Corp., 620 kcs. 1 kw. unlt'd.
 Sandusky, Mich., Thumb Brdcstg. Co., 880 kcs. 1 kw. days.
 San Diego, Calif., Jack Hazard, 1430 kcs., 500 w. unlt'd.
 San Juan, P. R., Enrique Abarca Sanfeliz, 580 kcs. 1 kw. unlt'd.
 San Juan, P. R., United Theaters, Inc., 580 kcs. 1 kw. unlt'd.
 Santa Monica, Calif., A. E. Austin, 1160 kcs. 100(25).
 Scranton, Pa., Union Brdcstg. Co., 1370 kcs. 100(25) unlt'd.
 Shelby, N. C., Jos. A. Lattimore, 1370 kcs. 100(25) unlt'd.
 Springfield, Ohio, Radio Voice of Springfield, 1310 kcs. 100 unlt'd.
 Springfield, Ohio, S. Radio Corp., 1310 kcs. 100 unlt'd.
 Springfield, Ohio, S. Radio Service, 780 kcs. 250 days.

Stuebenville, Ohio, Valley Brdcstg. Co., 930 kcs., 1 kw D.
 Tacoma, Wash., Tacoma Brdcstg. Co., 1420 kcs. 100(25).
 Tacoma, Wash., Michael J. Mingo, 1400 kcs. 250 unlt'd.
 Traverse City, Mich., Northern Brdcstg. Co., 570 kcs. 500 days.
 Valdosta, Ga., John F. Arrington, Jr., 1230 kcs. 250 unlt'd.
 Watertown, N. Y., Black River Valley Brdcstg. Co.
 Watertown, N. Y., Watertown Brdcstg. Corp.
 Watertown, S. Dak., Midland Brdcstg. Co., 1210 kcs., 100(25).
 kcs. 250 days.
 Wisconsin Rapids, Wis., Wm. F. Huffman, 1310 kcs., 100(25).
 Worcester, Mass., Winfield A. Schuster, 1200 kcs. 100 unlt'd.
 Worcester, Mass., C. T. Sherer Co., Inc., 1200 kcs. 100(25).

Stations Using Special Frequencies

| Call | City | Assigned | Using |
|------|-------------|----------|-------|
| KTHS | Hot Springs | 1040 | 1060 |
| KWKH | Shreveport | 850 | 1100 |
| WTIC | Hartford | 1060 | 1040 |

The Month's Changes in Station Data

New

1100 WOV New York, N. Y.
 1200 CRVD Val d'Or, P. Q., Canada
 1210 CRNB Campbellton, N. B.
 1210 KWAT Watertown, S. Dak.
 1310 KMYR Denver, Colo.
 1340 WPAB Ponce, Puerto Rico
 1370 WATW Ashland, Wis.
 1420 WAOV Vincennes, Ind.

Frequency

1160 KEX Portland, Ore., from 1180
 1310 WSOY Decatur, Ill., from 1200

Location

1500 WKBB Dubuque, Iowa, from E. Dubuque, Ill.

Power

560 KFDM Beaumont, 1000 from 500(1)
 590 WOW Omaha, 5000 from 1000(5)
 610 WDAF Kansas City, 5000 from 1000(5)
 780 WTAR Norfolk, 1000(5) from 5000. (Termination of Special Authorization).
 890 KFPY Spokane, 5000 from 1000(5)
 950 KFWB Los Angeles, 5000 from 1000(5)
 1020 CMJK Camaguey, 500 from 200
 1120 KFSG Los Angeles, 1000 from 500(2.5)
 1120 KRKD Los Angeles, 1000(2.5) from 500(2.5)
 1200 KFXD Nampa, 250 from 100(25)
 1200 KVOS Bellingham, 250 from 100
 1200 WMFR High Point, 250 from 100
 1200 WOLS Columbus, 250 from 100
 1210 KLAH Carlsbad, 250 from 100(25)
 1210 KOVO Provo, 250 from 100(25)
 1210 WFTM Ft. Myers, 250 from 100(25)
 1220 KWSC Pullman, 5000 from 1000(5)
 1310 KTSM El Paso, 250 from 100(25)
 1310 WDAH El Paso, 250 from 100(25)
 1310 WJPR Greenville, 250 from 100(25)

1340 KGIR Butte, 5000 from 1000(5)
 1370 KELD El Dorado, 250 from 100
 1370 KTUC Tucson, 250 from 100(25)
 1370 WCOS Columbia, 250 from 100(25)
 1370 WDWS Champaign, 250 from 100(25)
 1370 WGBR Goldsboro, 250 from 100
 1370 WHKY Hickory, 250 from 100(25)
 1370 WHUB Cookeville, 250 from 100(25)
 1370 WISE Asheville, 250 from 100
 1370 WTSP St. Petersburg, 250 from 100(25)
 1380 KOV Pittsburgh, 1000 from 500(1)
 1380 WNBC New Britain, 1000 from 250(1)
 1410 KMED Medford, 250(1) from 250.
 1420 KORE Abilene, 250 from 100
 1420 KRBM Bozeman, 250 from 100(25)
 1420 KTRI Sioux City, 250 from 100(25)
 1420 WFMJ Youngstown, 250 from 100
 1420 WPRP Ponce, 250 from 100(25)
 1430 KINY Juneau, 1000 from 250
 1500 KDRO Sedalia, 250 from 100(25)
 1500 KPFA Amarillo, 250 from 100
 1500 KNEL Brady, 100(25) from 250.
 1500 WSYB Rutland, 250 from 100

Call Letters

1200 WSAM Saginaw, from WMLG
 1310 WDMJ Marquette, from WBEO
 1310 WSOY Decatur, from WJBL

Reinstated

1310 WJPF Herrin, Ill.

Network

1200 KWG Stockton, NBC-Blue from NBC.
 1200 WOLS Florence, new NBC
 1360 WCSC Charleston, CBS from NBC
 1370 KERN Bakersfield, NBC-Blue from NBC
 1370 KTSW Emporia, new MBS
 1380 KOH Reno, NBC from CBS
 1490 KFBK Sacramento, NBC-Blue from NBC

(Continued on page 95)

NORTH AMERICAN BROADCASTING STATIONS BY FREQUENCIES WITH MAILING ADDRESSES

KEY TO SYMBOLS

As Shown in the
Index by Frequencies

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

Second Column Symbols

- A—Status in doubt.
- B—National "Blue" Network.
- C—Columbia Network.
- D—Daytime only.
- E—Minor Network.
- F—Canadian Network.
- G—Specified Hours.
- H—Assigned another frequency using this one under Special Authorization.
- J—Assigned lower power but using this power under Special Authorization.
- K—Licensed for facsimile.
- L—Limited time.
- M—Mutual Network.

- N—National "Red" and "Blue" Networks.
- P—Has Construction Permit only.
- Q—Station not in use.
- R—National "Red" Network.
- S—Synchronized.
- X—Has Permit to change power.
- Y—Has Permit to change location.
- Z—Has Permit to change frequency.
- a-b-c—Small letters show stations using same trans-

- mitter.
- 1-2-3—Figures denote stations sharing time.
- ?—Reported but not officially confirmed.
- ...—No information.
- a—Verifies for return postage.
- b—Verifies only occasionally.
- d—Verifies for government postal card.
- e—Verifies free.
- f—Verifies for 10 cents.
- g—Card for postage; verify stamp for 10c.
- z—No information available.

540 kcs. (552.2 m.)

CBK F 5000

a Watrous, Sask.

Canadian Broadcasting Corp.

550 kcs. (545.1 m.)

CFNB F 1000
CMW ... 2500

a Fredericton, N. B.
a Havana, Cuba

York St.
Paseo de Marti 105 altos (Apt-do 130)
801 DeMun St.
320 Broadway
State Agricultural College
12th and Olive Sts.
Gunter Hotel
Radio Station WDEV
Rand Building
Cincinnati Star-Times Co.
Main and Market Sts.

KFUO 2 500(1)
KFYR N 1000(5)
KOAC 1000
KSD 2R 1000(5)
K TSA 2C 1000(5)
WDEV D 1000
WGR C 1000(5)
WKRC C 1000(5)
WSVA D 500

a St. Louis, Mo.
a Bismarck, N. Dak.
a Corvallis, Ore.
a St. Louis, Mo.
a San Antonio, Texas
a Waterbury, Vt.
a Buffalo, N. Y.
a Cincinnati, Ohio
a Harrisonburg, Va.

560 kcs. (535.4 m.)

KFDM N 1000
KLZ CX 1000(5)
KSFO C 1000(5)
KWTO D 5000
WFIL BM 1000
WIND C 1000(5)
WIS N 1000(5)
WQAM C 1000

a Beaumont, Texas
a Denver, Colo.
a San Francisco, Calif.
a Springfield, Mo.
a Philadelphia, Pa.
a Gary, Ind.
a Columbia, S. C.
a Miami, Fla.

Hotel Beaumont (Box 2950).
Shirley-Savoy Hotel
Russ Building
St. Louis at Kimbrough
Widener Bldg.
504 Broadway
Liberty Life Ins. Co.
327 N. E. First Ave.

570 kcs. (526 m.)

KGKO N 1000(5)
KMTR ... 1000
KVI C 1000(5)
T15CV 575 100
WKBN CI 500(1)
WMAM D 250
WMCA ... 1000
WNAX C 1000(5)
WOSU GI 1000
WSYR Ba 1000
WSYU Qa 1000
WWNC C 1000
.... P 1000

a Fort Worth, Tex.
a Los Angeles, Calif.
a Tacoma, Wash.
z Alajuela, Costa Rica
a Youngstown, Ohio
z Marinette, Wis.
a New York, N. Y.
a Yankton, S. Dak.
a Columbus, Ohio
a Syracuse, N. Y.
a Syracuse, N. Y.
a Asheville, N. C.
z Santa Clara, Cuba

KGKO Broadcasting Co.
1000 Cauhenga Blvd.
Rust Building
Carlos Videche Aguiar
17 N. Champion St.
M and M Broadcasting Co.
1657 Broadway
Second and Capitol
Ohio State University
315-Starret-Syrcause Bldg.
315-Starret-Syrcause Bldg.
Asheville Citizen-Times Co.
....

580 kcs. (516.9 m.)

CFPR ... 50
CHRC ... 100
CKCL F 100
CKPR F 1000

a Prince Rupert, B. C.
a Quebec, P. Q.
a Toronto, Ont.
a Fort William, Ont.

Box 132
Victoria Hotel
444 University Ave.
104½ S. May St.

| | | |
|------|-----|---------|
| CKUA | F | 500 |
| KMJ | EKN | 1000 |
| KSAC | | 500(1) |
| WCHS | | 500(5) |
| WBDO | C | 1000(5) |
| WIBW | CZ | 1000(5) |
| WILL | D | 5000 |
| WTAG | R | 1000 |
| XEMU | ... | 250 |

590 kcs. (508.2 m.)

| | | |
|------|-----|---------|
| CMCY | ... | 15000 |
| KHO | ER | 5000 |
| WEEI | CX | 1000(5) |
| WKZO | BDX | 1000 |
| WOW | R | 5000 |

600 kcs. (499.7 m.)

| | | |
|-------|-----|---------|
| CFCF | BF | 500 |
| CFQC | F | 1000 |
| CJOR | ... | 500 |
| FON | 609 | 250 |
| KFSD | B | 1000 |
| TIGPH | 605 | 1000 |
| WCAO | C | 500(1) |
| WICC | BM | 500(1) |
| WMT | BM | 1000(5) |
| WREC | C | 1000(5) |

610 kcs. (491.5 m.)

| | | |
|------|-----|---------|
| CHNC | F | 1000 |
| KFAR | ... | 1000 |
| KFRC | MX | 1000(5) |
| WCLE | DM | 500 |
| WDAF | R | 5000 |
| WIOD | Na | 1000 |
| WIP | X | 1000 |
| WMBF | Qa | 1000 |

620 kcs. (483.6 m.)

| | | |
|------|-----|---------|
| KGW | R | 1000(5) |
| KTAR | N | 1000 |
| KWFT | C | 250(1) |
| TIPG | 625 | 5000 |
| WFLA | Na | 1000(5) |
| WHJB | D | 250 |
| WLBZ | MN | 500(1) |
| WSUN | Na | 1000(5) |
| WTMJ | N | 1000(5) |

630 kcs. (475.9 m.)

| | | |
|------|-----|--------|
| CFCO | F | 100 |
| CFCY | F | 1000 |
| CJRC | F | 1000 |
| CKOV | F | 1000 |
| CMCD | ... | 15000 |
| KFRU | i | 500(1) |
| KGFX | D | 200 |
| KVOD | B | 1000 |
| WGBF | N1 | 500(1) |
| WMAL | BX | 250(5) |
| WPRO | CX | 500(1) |
| XEZ | ... | 2000 |

640 kcs. (468.5 m.)

| | | |
|------|-----|-------|
| HOK | ... | ... |
| KFI | R | 50000 |
| VONF | ... | 12500 |
| WGAN | CL | 500 |
| WHKC | LM | 500 |
| WOI | D | 5000 |
| XEBX | ... | 250 |
| YSS | ... | 500 |

| | |
|---|-----------------------|
| b | Edmonton, Alta. |
| a | Fresno, Calif. |
| a | Manhattan, Kans. |
| a | Charleston, W. Va. |
| a | Orlando, Fla. |
| a | Topeka, Kans. |
| a | Urbana, Ill. |
| a | Worcester, Mass. |
| z | Piedras Negras, Coah. |

University of Alberta
Van Ness and Calaveras
State College of Agriculture
223 1/2 Capitol St.
563 N. range Ave.
11th and Topeka Blvd.
University of Illinois
20 Franklin St.
Cla. Radiofusora de P. Negras

| | |
|---|------------------|
| a | Havana, Cuba |
| a | Spokane, Wash. |
| a | Boston, Mass. |
| a | Kalamazoo, Mich. |
| a | Omaha, Nebr. |

Av. de los Presidentes 509
Sprague and Post
Columbia Brdctg. Sys.
Burdick Hotel
17th and Farnum

| | |
|---|----------------------|
| a | Montreal, P. Q. |
| a | Saskatoon, Sask. |
| a | Vancouver, B. C. |
| a | St. Pierre, Miquelon |
| a | San Diego, Calif. |
| a | San Jose, Costa Rica |
| a | Baltimore, Md. |
| f | Bridgeport, Conn. |
| a | Cedar Rapids, Iowa |
| a | Memphis, Tenn. |

1231 St. Catherine St. W.
216 First Ave. N.
84 Howt St.
Radio Club St. Pierrais
U. S. Grant Hotel
"Alma Tica"
811 W. Lanvale
Stratfield Hotel
Paramount Bldg.
WREC Broadcasting Service

| | |
|---|-----------------------|
| a | New Carlisle, P. Q. |
| z | Fairbanks, Alaska |
| b | San Francisco, Calif. |
| a | Cleveland, Ohio |
| a | Kansas City, Mo. |
| a | Miami, Fla. |
| a | Philadelphia, Pa. |
| a | Miami, Fla. |

P. O. Box 101
Midnight Sun Brdctg. Co.
1000 Van Ness Ave.
1224 Huron Road
1729 Grand Avt.
Biscayne Blvd.
35 S. Ninth St.
Biscayne Blvd.

| | |
|---|----------------------|
| a | Portland, Ore. |
| a | Phoenix, Ariz. |
| z | Wichita Falls, Tex. |
| b | San Jose Costa Rica |
| a | Tampa, Fla. |
| a | Greensburg, Pa. |
| a | Bangor, Maine |
| a | St. Petersburg, Fla. |
| a | Milwaukee, Wis. |

325 Adler St.
711 Heard Bldg.
807 Hamilton Bldg.
La Voz de la Victor
Tarr Building
Penn Albert Hotel
100 Main St.
Recreation Pier
333 W. State St.

| | |
|---|-------------------------|
| a | Chatham, Ont. |
| a | Charlottetown, P. E. I. |
| a | Winnipeg, Man. |
| a | Kelona, B. C. |
| a | Havana, Cuba |
| a | Columbia, Mo. |
| a | Pierre, S. Dak. |
| a | Denver, Colo. |
| a | Evansville, Ind. |
| a | Washington, D. C. |
| a | Providence, R. I. |
| a | Merida, Yuc. |

William Pitt Hotel
Canadian National Hotel
Royal Alexandra Hotel
Box 243
Av. de los Presidentes
9th and Elm Sts.
203 W. Summit Ave.
Continental Oil Bldg.
519 Vine St.
National Press Bldg.
15 Chestnut
Av. Colon

| | |
|---|---------------------|
| z | Colon, Panama |
| f | Los Angeles, Calif. |
| a | St. John's, Nfld. |
| a | Portland, Maine |
| a | Columbus, Ohio |
| a | Ames, Iowa |
| z | Sabinas, Cosh. |
| a | San Salvador, E. S. |

Apartado 33
1000 S. Hope St.
Broadcasting Corp. of Nfld.
645A Congress St.
22 E. Gay St.
Service Bldg., State College
Comicio conocido
....

650 kcs. (461.3 m.)

TIGPH P
WSM KN 50000

z San Jose, C. R.
a Nashville, Tenn.

Gonzalo Pinto H
National Bldg.

660 kcs. (454.3 m.)

CMJX ... 200
CMOA ... 200
KOWH BD 500
WEAF R 50000
XEAO ... 250

z Camaguey, Cuba
z Havana, Cuba
a Omaha, Nebr.
a New York, N. Y.
a Mexicali, B. Cfa.

Libertad 35
Aguiar 126
19th and Harney
30 Rockefeller Plaza
Altamirano 156

670 kcs. (447.5 m.)

WMAQ R 50000
XELO ... 50000
.... P 1000

b Chicago, Ill.
a Tijuana, B. Cfa.
z Jovellanos, Cuba

Merchandise Mart
Box 351, San Diego, Calif.
....

680 kcs. (440.9 m.)

CMHW ... 200
KFEQ ... 500(2.5)
KPO R 50000
VAS 685 2000
WLAW D 1000
WPTF JN 5000

f Santa Clara, Cuba
a St. Joseph, Mo.
a San Francisco, Calif.
f Glace Bay, N. S.
a Lawrence, Mass.
a Raleigh, N. C.

Marta Abreu 2
Schneider Bldg.
111 Sutter St.
Canadian Marconi Co., Ltd.
278 Essex St.
324 Fayetteville St.

690 kcs. (434.5 m.)

CFRB C 10000
CJCJ F 100
CMBC ... 5000
TIGH ... 1000
XET ... 5000

a Toronto, Ont.
a Calgary, Alta.
z Havana, Cuba
b San Jose, Costa Rica
a Monterrey, N. L.

37 Bloor St.
124 Seventh Ave. W
Box 132
America Latina
Apartado 203

700 kcs. (428.3 m.)

VOWR ... 500
WLW KMN 50000
WBXO Exp 500000

b St. John's, Nfld.
a Cincinnati, Ohio
a Cincinnati, Ohio

Box 157
1329 Arlington St.
1329 Arlington St.

710 kcs. (422.3 m.)

CMGH ... 200
CMKS ... 200
KIRO C 1000
KMPC LX 500
WOR KM 50000
.... P 1000

a Matanzas, Cuba
a Guantanamo, Cuba
a Seattle, Wash.
a Beverly Hills, Calif.
a Newark, N. J.
z Camaguey, Cuba

Box 87
Edificios Diaz
66 Cobb Bldg.
9631 Wilshire Blvd.
147 Market St.
....

720 kcs. (416.4 m.)

CMK ... 200
T14NRH 725 750
WGN KM 50000
XEWE ... 20

a Havana, Cuba
f Heredia, Costa Rica
b Chicago, Ill.
z Silao, Gto.

Edif. Manzana de Gomez
Apartado 40
441 N. Michigan Ave.
....

730 kcs. (410.7 m.)

CFPL F 100
CJCA F 1000
CKAC C 5000
XEPN AQ 100000
XEQ ... 50000
.... P 1000

a London, Ont.
a Edmonton, Alta.
a Montreal, P. Q.
a Piedras Negras, Coah.
a Mexico City, D. F.
z Victoria Tunas, Cuba

Richmond St.
10122-100A St.
980 St. Catherines St. W.
Box 360
Av. Juarez 34
....

740 kcs. (405.2 m.)

KMMJ L 1000
KTRB D 250
WHBE D 250
WSB R 50000
XEH ... 250
.... P 1000

a Grand Island, Nebr.
a Modesto, Calif.
a Portsmouth, N. H.
a Atlanta, Ga.
a Monterrey, N. L.
z Guantanamo, Cuba

KMMJ, Inc.
Box 405
Box 522
Biltmore Hotel
Padre Mier 215
....

750 kcs. (399.8 m.)

| | | |
|------|-----|-------|
| CMBL | ... | 5000 |
| KGU | LN | 2500 |
| TING | ... | 375 |
| WJR | C | 50000 |
| XEAA | ... | 200 |
| XEAM | ... | 25 |

| | |
|---|----------------------|
| a | Havana, Cuba |
| a | Honolulu, Hawaii |
| z | San Jose, Costa Rica |
| a | Detroit, Mich. |
| a | Mexicall, B. Cfa. |
| z | Matamoros, Tam. |

Calle 25 No. 1113
Advertiser Square
Reina del Espacio
Fisher Building
Box 22, Calexico, Calif.
Morelos 5ta Matamoros

760 kcs. (394.5 m.)

| | | |
|------|------|---------|
| KXA | X | 250(.5) |
| WBAL | BHMS | 2500 |
| WCAL | D2 | 5000 |
| WEW | D | 1000 |
| WJZ | BS | 50000 |
| WLB | D2 | 5000 |

| | |
|---|--------------------|
| a | Seattle, Wash. |
| a | Baltimore, Md. |
| a | Northfield, Minn. |
| a | St. Louis, Mo. |
| a | New York, N. Y. |
| a | Minneapolis, Minn. |

312 Bigelow Bldg.
Lesington Bldg.
St. Olaf College
221 N. Grand Blvd.
30 Rockefeller Plaza
University of Minn.

770 kcs. (389.4 m.)

| | | |
|------|------|-------|
| KFAB | CSXZ | 10000 |
| TILJ | 775 | 450 |
| WBBM | CS | 50000 |

| | |
|---|-------------------|
| a | Lincoln, Nebr. |
| z | San Jose, C. Rica |
| a | Chicago, Ill. |

Hotel Lincoln
Estacion San Jose
410 N. Michigan Ave.

780 kcs. (384.4 m.)

| | | |
|------|-----|----------|
| CHWK | F | 100 |
| CKSO | F | 1000 |
| CMQ | N | 25000 |
| KECA | ... | 1000(.5) |
| KFDY | D | 1000 |
| KFOD | ... | 250 |
| KGHL | N | 1000(.5) |
| KWLK | D | 250 |
| WEAN | BM | 1000(.5) |
| WMC | JR | 5000 |
| WPIC | D | 250 |
| WTAR | N | 1000(.5) |
| XEN | ... | 1000 |

| | |
|---|---------------------|
| f | Chilliwack, B. C. |
| a | Sudbury, Ont. |
| a | Havana, Cuba |
| a | Los Angeles, Calif. |
| a | Brookings, S. Dak. |
| b | Anchorage, Alaska |
| a | Billings, Mont. |
| a | Longview, Wash. |
| a | Providence, R. I. |
| a | Memphis, Tenn. |
| a | Sharon, Pa. |
| g | Norfolk, Va. |
| a | Mexico City, D. F. |

Box 507
Grand Theatre Bldg.
Maximo Gomez 19
141 N. Vermont Ave.
Box L
411 Fourth Ave.
5th and Broadway
Natl. Bank of Commerce Bldg.
New Crown Hotel
Hotel Gayoso
Sharon Herald Brdcstg. Co.
Bank of Commerce Bldg.
Venustino Carranza 30

790 kcs. (379.5 m.)

| | | |
|------|-----|-------|
| KGO | B | 7500 |
| KOAM | DN | 1000 |
| WGY | R | 50000 |
| ZNS | ... | 1000 |

| | |
|---|-----------------------|
| a | San Francisco, Calif. |
| a | Pittsburg, Kans. |
| a | Schenectady, N. Y. |
| d | Nassau, Bahamas |

111 Sutter St.
404 Commerce Bldg.
1 River Road
Box 48

800 kcs. (374.8 m.)

| | | |
|------|-----|-------|
| HIX | ... | 800 |
| TIXD | ... | 1000 |
| WBAP | ENa | 50000 |
| WFAA | ENa | 50000 |
| WTBO | D | 250 |

| | |
|---|--------------------|
| a | Trujillo, D. R. |
| z | San Jose, Costa R. |
| a | Fort Worth, Texas |
| a | Dallas, Texas |
| a | Cumberland, Md. |

J. R. Saladian, Dir. Gen.
Andrea Venegas
Blackstone Hotel
Baker Hotel-
Commercial Bank Bldg.

810 kcs. (370.2 m.)

| | | |
|------|-----|-------|
| CMCF | ... | 5000 |
| WCCO | C | 50000 |
| WNYC | D | 1000 |
| XEBZ | ... | 100 |
| XEDF | ... | 100 |

| | |
|---|--------------------|
| a | Havana, Cuba |
| g | Minneapolis, Minn. |
| a | New York, N. Y. |
| a | Mexico City, D. F. |
| a | Nuevo Laredo, Tam. |

Prado 63
2nd Ave. at 7th St.
Centre and Duane Sts.
Av. A. Obregon 238 Letra A
Gral. Gonzalez 3006

820 kcs. (365.6 m.)

| | | |
|------|-----|-------|
| WHAS | C | 50000 |
| XEBG | ... | 1000 |

| | |
|---|------------------|
| a | Louisville, Ky. |
| z | Tijuana, B. Cfa. |

300 W. Liberty St.
Av. "E" 268

830 kcs. (361.2 m.)

| | | |
|------|-----|-------|
| CMHI | E | 1000 |
| KOA | R | 50000 |
| TIEP | ... | 3000 |
| WEU | DR | 1000 |
| WHDH | L | 1000 |
| WRUF | L | 5000 |
| XERC | ... | 500 |

| | |
|---|--------------------|
| a | Santa Clara, Cuba |
| a | Denver, Colo. |
| a | San Jose, C. Rica |
| a | Reading, Pa. |
| a | Boston, Mass. |
| z | Gainesville, Fla. |
| z | Mexico City, D. F. |

Independencia 34
1625 California St.
La Voz del Tropico
553 Pennsylvania
62 Boylston
University of Florida
Huasteca 112, Col. Indust.

840 kcs. (356.9 m.)

CBL F 50000
VOGY 400
XERA ... 250000

a Toronto, Ont.
a St. John's, Nfld.
a Villa Acuna, Coah.

805 Davenport Road
Newfoundland Hotel
Apartado 30

850 kcs. (352.7 m.)

CMCM ... 200
KIEV D 250
WESG CD 1000
WKAR DX 1000
WWL C 50000

a Havana, Cuba
a Glendale, Calif.
a Elmira, N. Y.
a E. Lansing, Mich.
a New Orleans, La.

23 No. 1113, Vedado
701 E. Broadway
Mark Twain Hotel
Michigan State College
Roosevelt Hotel

860 kcs. (348.6 m.)

CMJA ... 200
TIEMC ... 250
WABC Ca 50000
WBOQ QA 50000
WHB DM 1000
XEMO ... 5000

a Camaguey, Cuba
z San Jose, C. Rica
a New York, N. Y.
a New York, N. Y.
a Kansas City, Mo.
a Tijuana, B. Cfa.

Box 64.
Rafael Hine Ch.
485 Madison Ave.
485 Madison Ave.
Scarritt Bldg.
Av. "B" 506

870 kcs. (344.6 m.)

WENR Ba 50000
WLS Ba 50000
XEFB ... 200
.... P 1000

b Chicago, Ill.
a Chicago, Ill.
a Monterrey, N. L.
z Ciego de Avila, Cuba

Merchandise Mart
1230 Washington Blvd.
5 de Mayo Ote. 12
....

880 kcs. (340.7 m.)

CBO F 1000
CFJC F 1000
CMX ... 15000
KFKA M2 500(1)
KLX ... 1000
KPOF 2 1000
KVAN D 250
TILS ... 500
WCOC C 1000
WGBI CI 500(1)
WQAN I 500(1)
WRNL DX 500
WSUI X 500(1)

a Ottawa, Ont.
a Kamloops, B. C.
a Havana, Cuba
a Greeley, Colo.
a Oakland, Calif.
a Denver, Colo.
z Vancouver, Wash.
b San Jose, C. Rica
a Meridan, Miss.
f Scranton, Pa.
a Scranton, Pa.
a Richmond, Va.
a Iowa City, Iowa

Chateau Laurier Hotel
Wilcox-Hall Bldg.
Av. de Bolivar 76
620 Eighth Ave.
Tribune Tower
1845 Champa St.
Box 610
Radio Para Ti
Box 133
1000 Wyoming Ave.
149 Pennsylvania Ave.
4th and Grace Sts.
State University of Iowa

890 kcs. (336.9 m.)

KARK N 1000
KFNF X2 500(1)
KFPY C 5000
KTKC M 1000
KUSD 2 500
WBAA ... 500(1)
WGST C 1000(5)
WJAR R 1000(5)
WAMMN C 1000(5)
XEW ... 100000

a Little Rock, Ark.
a Shenandoah, Iowa
a Spokane, Wash.
f Visalia, Calif.
a Vermillion, S. Dak.
a W. Lafayette, Ind.
a Atlanta, Ga.
a Providence, R. I.
a Fairmont, W. Va.
a Mexico City, D. F.

212 Center Sa.
407 Sycamore St.
Symons Bldg.
Tulare-Kings Counties Radio As-
sociates
University of S. Dak.
Purdue University
Anslay Hotel
Weybossett St.
Monongahela Valley Brdcstg. Co.
Box 2516

900 kcs. (333.1 m.)

HIG ... 250
KGBU X 500
KHJ M 1000(5)
KSEI N 250(1)
TIAFB ... 600
WBEN R 1000(5)
WFMD D 500
WJAX N 1000(5)
WKY N 1000(5)
WLBL D 5000
WTAD D 1000

z Trujillo, D. R.
a Ketchikan, Alaska
a Los Angeles, Calif.
a Pocatello, Idaho
z San Jose, C. Rica
a Buffalo, N. Y.
a Frederick, Md.
a Jacksonville, Fla.
a Oklahoma City, Okla.
a Stevens Point, Wis.
a Quincy, Ill.

Andres Cordero Puello
107-111 Front St.
7th and Bixel Sts.
141 S. Sixth St.
Mayid Barzuna
Hotel Staltler
Francis Scott Key Hotel
1 Broadcast Place
Shirvin Tower Hotel
State of Wis. Dept. of Agricul-
ture
510 Main St. E

910 kcs. (329.6 m.)

CBF FN 50000
CJAT F 1000
CKY F 15000
CMBO ... 5000

a Montreal, P. Q.
a Trail, B. C.
a Winnipeg, Man.
a Havana, Cuba

1231 St. Catherines St. W
Box 1959
Sherbrooke St.
Palacio del Centro Gallego

CMKD ... Q 1000
XENT Q 5000

920 kcs. (325.9 m.)

CMHT ... 200
CMZ ... 5000
KFEL M 1000
KOMO R 1000(5)
KPRC ER 1000(5)
TIRS 925 200
WAAF D 1000
WORL D 500
WPEN ... 1000
WSPA D 1000
WWJ R 1000(5)

a Santiago de Cuba
a Nuevo Laredo, Tam.

z Trinidad, Cuba
z Havana, Cuba
a Denver, Colo.
a Seattle, Wash.
a Houston, Texas
z San Jose, C. Rica
a Chicago, Ill.
a Boston, Mass.
a Philadelphia, Pa.
a Spartanburg, S. C.
a Detroit, Mich.

Box 23
Apartado 47

Capdevila 41
Constitutional Army
Albany Hotel
Skinner Bldg.
Lamar Hotel
Radio Athenea
Palmer House
Brdcstg. Serv. Organization
22nd and Walnut Sts.
Ravenal and Avant Sts.
616 Lafayette Blvd.

930 kcs. (322.4 m.)

CFAC F 1000
CFCH F 100
CFLC ... 100
CHNS ... F 1000
CKPC ... 100
CMJF ... 200
KMA B 1000(5)
KROW ... 1000
WBRC R 1000(5)
WDBJ C 1000(5)
WELI ... 250(5)
XEBH ... 500

a Calgary, Alta.
a North Bay, Ont.
a Prescott, Ont.
a Halifax, N. S.
a Brantford, Ont.
z Camaguey, Cuba
a Shenandoah, Iowa
a Oakland, Calif.
a Birmingham, Ala.
a Roanoke, Va.
a New Haven, Conn.
a Hermosillo, Son.

1006 Southam Bldg.
Capital Theatre Bldg.
307 George St.
Lord Nelson Hotel
Arcade Bldg.
Republica No. 88
May Seed and Nursery Co.
464-19th St.
Bankhead Hotel
P. O. Box 10
221 Orange St.
Obregon 10

940 kcs. (319 m.)

CMBZ ... CX 200
KOIN ... 1000(5)
TIOS D 500
WAAT D 500
WAVE N 1000
WCSH R 1000(2.5)
WDAY N 1000(5)
WHA D 5000
WICA DX 250
XEFO ... 5000

a Havana, Cuba
a Portland, Ore.
z San Jose, C. Rica
a Jersey City, N. J.
a Louisville, Ky.
a Portland, Maine
a Fargo, N. Dak.
a Madison, Wis.
a Ashtabula, Ohio
a Mexico City, D. F.

Apartado 866
New Heathman Hotel
Guillermo Castro S.
50 Journal Square
1525 Brown Hotel
The Eastland
118 Broadway
University of Wis. Radio Hall
221 Centre St.
Av. 5 de Mayo 21

950 kcs. (315.6 m.)

CBV F 1000
CJRM F 1000
CMKL ... E 200
KFWB ... 5000
KMBC CX 1000(5)
VOAR ... DP 25
WHAL ... DP 500
WRC RX 1000(5)
WTRY DP 1000

a Quebec, P. Q.
a Regina, Sask.
z Bayamo, Cuba
a Los Angeles, Calif.
a Kansas City, Mo.
z St. John's, Nfld.
z Saginaw, Mich.
z Washington, D. C.
z Troy, N. Y.

Chateau Frontenac Hotel
157 Royal Alxandra Hotel
Jose A. Saco 26
5833 Fernwood Ave.
Pickwick Hotel
Gross and Shields
National Press Bldg.
301 Proctor Bldg.

960 kcs. (312.3 m.)

CBM FR 5000
CFRN F 100
CMKY ... 5000
XEAW ... 100000

a Montreal, P. Q.
a Edmonton, Alta.
z Santiago de Cuba
a Reynosa, Tam.

1231 St. Catherine St. W.
C. P. R. Building
H. D. Munal, San Juan, Tex.

970 kcs. (309.1 m.)

CMCK ... 5000
KJR B 5000
WCFL N 5000
WIBG D 100

z Havana, Cuba
a Seattle, Wash.
a Chicago, Ill.
a Glenside, Pa.

Apartado 98
Skinner Bldg.
666Lake Shore Drive
Keswick Theatre Bldg.

980 kcs. (306 m.)

KDKA B 50000
XEAC ... 5000
XEFE ... 250

b Pittsburgh, Pa.
a Tijuana, B. Cfa.
z Nuevo Laredo, Tam.

Grant Bldg.
Box 55, San Diego, Calif.
Esq. Gonzalez y Riva Palacio

990 kcs. (302.8 m.)

WBZ BS 50000
WBZA BS 1000

a Boston, Mass.
a Springfield, Mass.

Hotel Bradford
Hotel Kimball

XEAF ... 750
 XEK X 100
 XES ... 250
 P 1000

a Nogales, Son.
 a Mexico City, D. F.
 a Tampico, Tam.
 z Pinar del Rio, Cuba

Box 711, Nogales, Ariz.
 Jalapa No. 51
 Madero tOe. 102 y 104

1000 kcs. (299.8 m.)

CMKG ... 10000
 KFVD L 1000
 TIFA ... 250
 WHO KR 50000
 XEBI ... 250

z Santiago de Cuba
 a Los Angeles, Calif.
 z San Jose, C. Rica
 a Des Moines, Iowa
 a Aguascalientes, Ags.

Finca San Matias 966
 3382 Western Ave.
 La Voz de Italia
 914 Walnut St.
 Primo Verdad 14

1010 kcs. (296.9 m.)

CHML F 100
 CKCD 1 100
 CKCK F 1000
 CKCO F 100
 CKIC ... 50
 CKWX F1 100
 CMCU ... 200
 KGGF M2 1000
 KOW M 1000(5)
 WHN ... 1000(5)
 WNAD ... 1000
 WNOX C 1000(5)
 XEFQ ... 50
 XEU ... 500

a Hamilton, Ont.
 a Vancouver, B. C.
 a Regina, Sask.
 a Ottawa, Ont.
 a Wolfville, N. S.
 a Vancouver, B. C.
 a Havana, Cuba
 a Coffeyville, Kans.
 a San Jose, Calif.
 a New York, N. Y.
 a Norman, Okla.
 a Knoxville, Tenn.
 a Cananea, Son.
 a Veracruz, Ver. C.

Pigott Bldg.
 198 Hastings St. W.
 1853 Hamilton St.
 272 Somerset St. W.
 Acadia University
 801 W. Georgia St.
 Estrada Palma 63
 Coffeyville Journal Bldg.
 87 E. San Antonio St.
 1540 Broadway
 University of Okla.
 Hotel Johnson
 Av. Sonora 97
 Independencia 98

1020 kcs. (293.9 m.)

CMHO ...
 CMJK ... 200
 KYW R 10000
 WDZ D 1000
 XEJ ... 1000

z Sagua la Grande, Cuba
 a Camaguey, Cuba
 b Philadelphia, Pa.
 a Tuscola, Ill.
 a Juarez, Chih.

Jones, Castrillon y Cia.
 1619 Chestnut St.
 WDZ Broadcasting Co.
 Av. Lerdo 309

1030 kcs. (291.1 m.)

CFCN F 10000
 CJBR F 1000
 CKLW FM 5000
 CMKW ... 1000
 TIHO ... 500
 XEB ... 20000
 P 1000

a Calgary, Alta.
 a Rimouski, P. Q.
 a Windsor, Ont.
 z Santiago de Cuba
 z San Jose, C. Rica
 a Mexico City, D. F.
 z Santiago de Cuba

Toronto General Trusts Bldg.
 J. A. Brilliant
 Guaranty Trust Bldg.
 Republica y Calle 13
 Guillermo Zuniga R.
 Apartado 79-44

1040 kcs. (288.3 m.)

KRLD C 50000
 KWJJ HL 500
 KYOS DM 250
 VOCM ... 100
 WTIC HR 50000
 P 1000

a Dallas, Texas
 a Portland, Ore.
 a Merced, Calif.
 z St. John's, Nfld.
 a Hartford, Conn.
 z Matanzas, Cuba

Adolphus Hotel
 622 Salmon St., S.W.
 Grade St.
 St. John's Evening Telegram
 26 Grove St.

1050 kcs. (285.5 m.)

CBA F 50000
 CMCH ...
 HIT ... 50
 KFBI LY2 5000
 KNX C 50000
 WEAU L2 1000(5)
 WIBC D 1000

a Sackville, N. B.
 z Havana, Cuba
 z Trujillo, D. R.
 a Abilene, Kans.
 a Los Angeles, Calif.
 a Eau Claire, Wis.
 a Indianapolis, Ind.

Canadian Broadcasting Corp.
 Palacio de los Dptes.
 Apartado 1105
 Box 345
 Columbia Brdcastg. Sys.
 Central Brdcastg. Co.
 Athletic Club Bldg.

1060 kcs. (282.8 m.)

KTHS HN 10000
 VOAC 1065 40
 WBAL BM 10000
 WJAG L 1000

a Hot Springs, Ark.
 z St. John's, Nfld.
 a Baltimore, Md.
 a Norfolk, Nebr.

Box 86

 Lexington Bldg.
 Hotel Norfolk

1070 kcs. (280.2 m.)

CMJW ... 200
 KJBS L 500
 TINBC P 5000
 WCAZ D 100
 WTAM R 50000

z Camaguey, Cuba
 z San Francisco, Calif.
 z San Jose, C. Rica
 z Carthage, Ill.
 a Cleveland, Ohio

Apartado 322
 1380 Bush St.
 Oscar Martinez N.
 502 Wabash Ave.
 1367 E. 6th St.

1080 kcs. (277.6 m.)

| | | | | |
|------|-----|-------|---|--------------------|
| CMBX | ... | 200 | a | Havana, Cuba |
| CMKM | ... | 200 | a | Manzanillo, Cuba |
| WBT | C | 50000 | a | Charlotte, N. C. |
| WCBD | LI | 5000 | a | Chicago, Ill. |
| WMBI | LI | 5000 | g | Chicago, Ill. |
| XEBA | ... | 20 | z | Guzman, Jal. |
| XEBK | ... | 100 | z | Nuevo Laredo, Tam. |
| XEDP | ... | 500 | a | Mexico City, D. F. |

San Miguel 194 altos
Calles Mechan y Pedro Figueredo
Wilder Bldg.
128 N. Pulaski Road
153 Institute Place
Independencia 32
Bravo y Guerrero
Bucareli 12

1090 kcs. (275.1 m.)

| | | | | |
|------|-----|-------|---|-----------------------|
| CMHA | ... | 200 | z | Sagua la Grande, Cuba |
| HIN | ... | 100 | z | Trujillo, D. R. |
| KMOX | C | 50000 | a | St. Louis, Mo. |
| XERB | ... | 50000 | a | Tijuana, B. Cfa. |

Carrillo No. 31
J. M. Bonetti Burgos
Mart Building
Box 508, San Diego, Calif.

1100 kcs. (272.6 m.)

| | | | | |
|------|-----|------|---|----------------------|
| CBR | F | 5000 | a | Vancouver, B. C. |
| CMHP | ... | 200 | z | Placetas, Cuba |
| KGDM | DM | 1000 | f | Stockton, Calif. |
| KWKH | CH | 1000 | a | Shreveport, La. |
| WBIL | I | 5000 | a | New York, N. Y. |
| WCAR | DP | 1000 | z | Pontiac, Mich. |
| WOP | P | 5000 | z | New York, N. Y. |
| WPG | I | 5000 | a | Atlantic City, N. J. |

C. N. R. Station Building
Primera del Oeste 32
42 S. California St.
Box 17
132 W. 43rd St.
Pontiac Broadcasting Co.
Under Construction
Convention Hall

1110 kcs. (270.1 m.)

| | | | | |
|------|-----|-------|---|----------------------|
| CMCJ | ... | 200 | a | Havana, Cuba |
| KSOO | LN | 5000 | a | Sioux Falls, S. Dak. |
| WRVA | CM | 50000 | a | Richmond, Va. |
| XECL | ... | 1000 | z | Mexicali, B. Cfa. |

Estevez 4
S. Phillips Ave.
9th and Grace Sts.
Box 1414, Calexico, Calif.

1120 kcs. (267.7 m.)

| | | | | |
|------|-----|----------|---|------------------------|
| CBJ | F | 100 | a | Chicoutimi, P. Q. |
| CHLP | F | 100 | a | Montreal, P. Q. |
| CHSJ | F | 100 | a | St. John, N. B. |
| CKOC | F | 500(1) | a | Hamilton, Ont. |
| CKX | F | 1000 | a | Brandon, Man. |
| CMGF | ... | 200 | a | Matanzas, Cuba |
| KFIO | D | 100 | a | Spokane, Wash. |
| KFSG | a | 1000(.5) | a | Los Angeles, Calif. |
| KRKD | a | 1000(.5) | a | Los Angeles, Calif. |
| KRSC | EX | 250 | a | Seattle, Wash. |
| KTBC | DG2 | 1000 | z | Austin, Texas |
| WCOP | D | 500 | a | Boston, Mass. |
| WDEL | R | 250(1) | a | Wilmington, Del. |
| WISN | C | 250(1) | a | Milwaukee, Wis. |
| WJBO | BX | 500 | a | Baton Rouge, La. |
| WTAW | G2 | 500 | a | College Station, Texas |

4 rue Larouche
180 St. Catherines St. E
Admiral Beatty Hotel
King William and John Sts.
Rosser Ave.
Betancourt 51
Ziegler Bldg.
1100 Glendale Blvd.
312 Spring Aracde
Washington Athletic Club
State Capitol Brdcstg. Ass'n.
Copley Plaza Hotel
10th and King Sts.
231 W. Michigan St.
334 Florida t.
Agricultural & Mechanical Col-
lege

1130 kcs. (265.3 m.)

| | | | | |
|------|-----|-------|---|----------------------|
| CMJI | ... | 200 | a | Ciego de Avila, Cuba |
| KSL | C | 50000 | a | Salt Lake City, Utah |
| WJJD | L | 20000 | a | Chicago, Ill. |
| WOV | D | 1000 | a | New York, N. Y. |
| XEJP | ... | 100 | z | Mexico City, D. F. |

Box 28
Vermont Bldg.
201 N. Wells St.
132 W. 43rd St.
5 de Febrero 128

1140 kcs. (263 m.)

| | | | | |
|------|-----|-------|---|--------------------|
| CMBG | ... | 200 | z | Havana, Cuba |
| KVOO | N | 25000 | a | Tulsa, Okla. |
| WAPI | C | 5000 | a | Birmingham, Ala. |
| WSPR | LM | 500 | a | Springfield, Mass. |

Hospital 100
Wright Bldg.
Ala. Polytechnic Institute
63 Chestnut St.

1150 kcs. (260.7 m.)

| | | | | |
|------|-----|-------|---|---------------------|
| WHAM | N | 50000 | a | Rochester, N. Y. |
| XEBP | ... | 200 | z | Durango, Dgo. |
| XEC | ... | 100 | a | Tijuana, B. Cfa. |
| XEDW | ... | 300 | a | Minatitlan, Ver. C. |
| XEL | ... | 250 | z | Mexico City, D. F. |
| XEXH | ... | 400 | z | Oaxaca, Oax. |
| .... | P | 1000 | z | Holguin, Cuba |

Sagamore Hotel
Pino Suarez 412
Teatro Zaragoza
Av. Hidalgo 40
Calzada del Rosal 1
....
....

1160 kcs. (258.5 m.)

| | | |
|------|-----|-------|
| CMHJ | ... | 200 |
| KEX | B | 5000 |
| WOWO | B1 | 10000 |
| WWVA | C1 | 5000 |
| XEAS | ... | 100 |
| XED | ... | 2500 |
| XEFM | ... | 5000 |
| KEP | ... | 500 |

- a Cienfuegos, Cuba
- a Portland, Oreg.
- a Fort Wayne, Ind.
- a Wheeling, W. Va.
- a Saltillo, Coah.
- a Guadalajara, Jal.
- a Leon, Gto.
- a Juarez, Chih.

Bo x 112
Oregonian Bldg.
Westinghouse Radio Station
Hawley Bldg.
Morelos 15
16 de Septiembre 307
16 de Septiembre 111

1170 kcs. (256.3 m.)

| | | |
|------|-----|-------|
| CMBS | ... | 200 |
| WCAU | C | 50000 |
| XEXX | ... | 1000 |

- a Havana, Cuba
- a Philadelphia, Pa.
- z Mexico City, D. F.

Calzada y "H"
1622 Chestnut St.
Calle de Justo Sierra

1180 kcs. (254.1 m.)

| | | |
|------|----|---------|
| KOB | N | 10000 |
| WDGY | LM | 1000(5) |
| WINS | L | 1000 |
| WMAZ | CL | 1000(5) |

- a Albuquerque, N. Mex.
- a Minneapolis, Minn.
- a New York, N. Y.
- a Macon, Ga.

425 W. Gold Ave.
Hotel Nicolle
114 E. 58th St.
211 Cotton Ave.

1190 kcs. (252 m.)

| | | |
|------|-----|-------|
| CMKX | ... | 200 |
| WOAI | EN | 50000 |
| WSAZ | L | 1000 |

- z Banes, Cuba
- a San Antonio, Texas
- a Huntington, W. Va.

Oscar Vidal Benitez
1038 Navarro
Box 729

1200 kcs. (249.9 m.)

| | | |
|-------|-----|----------|
| CFGP | ... | 100 |
| CHAB | F | 100(.25) |
| CHGB | F | 100 |
| CKNX | ... | 100 |
| CKTB | F | 100 |
| CKVD | ... | 100 |
| CMCO | ... | 200 |
| KADA | EM | 100 |
| KAST | ... | 100(.25) |
| KBTM | ... | 250 |
| KELO | N | 250 |
| KFJB | ... | 250 |
| KFXD | ... | 250 |
| KFXJ | ... | 250 |
| KGDE | ... | 100(.25) |
| KGEK | ... | 100 |
| KGFJ | ... | 100 |
| KGHI | ... | 250 |
| KHAS | P | 250 |
| KHBC | CM | 250 |
| KMLB | ... | 250 |
| KOOS | M | 250 |
| KSUN | E | 250 |
| KVCV | MX | 100 |
| KVEC | M | 250 |
| KVNU | X | 100 |
| KVOS | M | 250 |
| KWBD | DP | 100 |
| KWG | BE | 100 |
| KWNO | E | 250 |
| TIRCC | ... | 500 |
| WABI | C | 250 |
| WAIM | C | 100 |
| WAYX | ... | 250 |
| WBAB | P | 100(.25) |
| WBBZ | M | 250 |
| WBHP | ... | 100 |
| WCAT | D | 100 |
| WCAX | ... | 250 |
| WCLO | ... | 250 |
| WCPO | ... | 250 |
| WDLP | P | 100(.25) |
| WDSM | M | 100 |
| WENY | M | 250 |
| WEST | ... | 250 |
| WESX | ... | 100 |

- a Grande Prairie, Alta.
- a Moose Jaw, Sask.
- z St. Anne de la Pocatiere, P. Q.
- a Wingham, Ont.
- a St. Catharines, Ont.
- z Val d'Or, P. Q.
- a Havana, Cuba
- a Ada, Okla.
- a Astoria, Ore.
- a Jonesboro, Ark.
- a Sioux Falls, S. Dak.
- a Marshalltown, Iowa
- a Nampa, Idaho
- a Grand Junction, Colo.
- b Fergus Falls, Minn.
- f Sterling, Colo.
- a Los Angeles, Calif.
- a Little Rock, Ark.
- z Hastings, Nebr.
- a Hilo, Hawaii
- a Monroe, La.
- a Marshfield, Ore.
- a Lowell, Ariz.
- a Redding, Calif.
- a San Luis Obispo, Calif.
- z Logan, Utah
- d Bellingham, Wash.
- z Plainview, Texas
- a Stockton, Calif.
- a Winona, Minn.
- z San Jose, C. Rica
- a Bangor, Maine
- a Anderson, S. C.
- a Waycross, Ga.
- z Atlantic City, N. J.
- a Ponca City, Okla.
- a Huntsville, Ala.
- a Rapid City, S. Dak.
- a Burlington, Vt.
- a Janesville, Wis.
- a Cincinnati, Ohio
- z Panama City, Fla.
- z Superior, Wis.
- d Elmira, N. Y.
- a Easton, Pa.
- z Salem, Mass.

906 McLeon Bldg., Edmonton
Grant Hall Hotel
G. Thomas Desjardins
Box 65
King St.
590 Third Ave.
Calle Oficios 116
Highway 48
611 Commercial St.
104 1/2 W. Washington
317 S. Phillips Ave.
1603 W. Main St.
1024-12th Ave. S.
Western Slope Brcdstg. Co.
Charles L. Jaren
Fleming Road
1417 S. Figueroa St.
Gazette Bldg.
2nd and Burlington Ave.
Box 595
Frances Hotel
Hall Bldg.
Drawer C
Golden Empire Brcdstg. Co.
Valley Electric Co.
Cache Valley Brcdstg. Co.
115 W. Magnolia St.
W. B. Dennis
Hotel Wolf
216 Center St.
Accion Catolica
57 State St.
112 E. Market St.
Box 714
1900 Atlantic Ave.
615 W. Grand
W. H. Pollard
S. Dak. School of Mines
203 College St.
200 E. Milwaukee St.
Scripps-Howard Radio, Inc.
First and Mercer Sts.
1507 Tower Ave.
Mark Twain Hotel
Associated Broadcasting, Inc.
North Shore Brcdstg. Co.

| | | |
|------|-----|----------|
| WFAM | 4 | 100 |
| WFTC | ... | 250 |
| WHBC | ... | 250 |
| WHBY | EP | 250 |
| WHOP | P | 250 |
| WIBX | C | 250 |
| WIL | ... | 250 |
| WJBC | ... | 250 |
| WJBW | ... | 100 |
| WJHL | ... | 250 |
| WJNO | C | 250 |
| WJRD | D | 250 |
| WKBO | N | 100(.25) |
| WLVA | ... | 250 |
| WMFR | ... | 250 |
| WMOB | D | 100 |
| WMPC | G | 250 |
| WOLS | N | 250 |
| WRBL | C | 250 |
| WSKB | ... | 100 |
| WSOO | P | 100(.25) |
| WTHT | M | 100 |
| WTOL | X | 100 |
| WWAE | 4 | 100 |

| | |
|---|------------------------|
| a | South Bend, Ind. |
| a | Kinston, N. C. |
| a | Canton, Ohio |
| a | Green Bay, Wis. |
| z | Hopkinsville, Ky. |
| a | Utica, N. Y. |
| a | St. Louis, Mo. |
| a | Bloomington, Ill. |
| a | New Orleans, La. |
| a | Johnson City, Tenn. |
| a | W. Palm Beach, Fla. |
| a | Tuscaloosa, Ala. |
| a | Harrisburg, Pa. |
| a | Lynchburg, Va. |
| a | High Point, N. C. |
| z | Mobile, Ala. |
| a | Lapeer, Mich. |
| a | Florence, S. C. |
| a | Columbus, Ga. |
| z | McComb, Miss. |
| z | Saul Ste. Marie, Mich. |
| a | Hartford, Conn. |
| a | Toledo, Ohio |
| a | Hammond, Ind. |

225 W. Colfax Ave.
 Jonas Welland
 319 Tuscola St. W.
 WHBY, Inc.
 Paducah Brcdstg. Co., Inc.
 First Nat'l. Bank Bldg.
 Melbourne Hotel
 Kaskaskia Brcdstg. Co.
 Godchaux Bldg.
 WJHL, Inc.
 Box 189 6
 James R. Doss, Jr.
 Penn Hariss Hotel
 Allied Arts Bldg.
 WMFR, Inc.
 600 St. Louis St.
 81 Liberty St.
 Sanborn Hotel
 Royal Theater Bldg.
 McColgan Hotel, Main St.
 Hiawathal and Brcdstg. Co.
 983 Main St.
 Community Brcdstg. Co.
 Hammond-Calumet Corp.

1210 kcs. (247.8 m.)

| | | |
|------|-----|----------|
| CHLT | ... | 100 |
| CJCS | ... | 50 |
| CJOC | F | 100 |
| CKB1 | F | 100 |
| CKCH | F | 100 |
| CKMC | ... | 50 |
| CKNB | F | 100 |
| CMHK | ... | 200 |
| KALB | NX | 250 |
| KANS | NX | 100 |
| KASA | M | 100 |
| KLDR | ... | 250 |
| KDON | M | 100 |
| KFJ1 | ... | 100 |
| KFOR | EM | 100(.25) |
| KFPW | XZ | 100 |
| KFVS | G6 | 250 |
| KFXM | M2 | 100 |
| KGLO | C | 250 |
| KGY | M | 100 |
| KHBG | D | 100 |
| KIUL | ... | 100 |
| KLAH | ... | 250 |
| KOCA | ... | 250 |
| KOVO | ... | 250 |
| KPFA | EN | 250 |
| KPPC | 2 | 100 |
| KROY | C | 100 |
| KVSO | M | 100(.25) |
| KWAT | P | 250 |
| KWJB | ... | 250 |
| KXOX | DP | 250 |
| KYUM | P | 100(.25) |
| WBAX | AM | 100 |
| WBBL | 5 | 100 |
| WBRB | 3 | 100 |
| WCOL | NXZ | 100 |
| WCOU | M | 250 |
| WCOV | ... | 100 |
| WCRW | 4 | 100 |
| WEBQ | G6 | 250 |
| WEDC | G4 | 250 |
| WFAS | 3 | 100 |
| WFOY | ... | 250 |
| WFTM | P | 250 |
| WGBB | 3 | 100 |
| WGCM | ... | 100(.25) |
| WGRM | Y | 250 |
| WHAI | M | 250 |
| WHBU | ... | 100(.25) |
| WHIZ | NX | 100 |
| WIBU | ... | 250 |
| WINN | P | 100(.25) |
| WJBY | E | 250 |
| WJEJ | ... | 100 |

| | |
|---|------------------------|
| z | Sherbrooke, P. Q. |
| a | Stratford, Ont. |
| a | Lethbridge, Alta. |
| a | Prince Albert, Sask. |
| a | Hull, P. Q. |
| a | Cobalt, Ont. |
| a | Campbellton, N. B. |
| z | Cruces, Cuba |
| a | Alexandria, La. |
| a | Wichita, Kans. |
| a | Elk City, Okla. |
| a | Devils Lake, N. Dak. |
| a | Monterey, Calif. |
| a | Klamath Falls, Ore. |
| a | Lincoln, Nebr. |
| a | Fort Smith, Ark. |
| a | Cape Girardeau, Mo. |
| a | San Bernardino, Calif. |
| z | Mason City, Iowa |
| a | Olympia, Wash. |
| a | Okmulgee, Okla. |
| a | Garden City, Kans. |
| a | Carlsbad, N. Mex. |
| a | Kilgore, Texas |
| a | Provo, Utah |
| a | Helena, Mont. |
| a | Pasadena, Calif. |
| a | Sacramento, Calif. |
| a | Ardmore, Okla. |
| z | Watertown, S. Dak. |
| a | Globe, Ariz. |
| z | Sweetwater, Tex. |
| z | Yuma, Ariz. |
| a | Wilkes-Barre, Pa. |
| a | Richmond, Va. |
| a | Red Bank, N. J. |
| a | Columbus, Ohio |
| a | Lewiston, Maine |
| z | Montgomery, Ala. |
| a | Chicago, Ill. |
| a | Harrisburg, Ill. |
| a | Chicago, Ill. |
| a | White Plains, N. Y. |
| a | St. Augustine, Fla. |
| z | Ft. Myers, Fla. |
| a | Freeport, N. Y. |
| a | Gulfport, Miss. |
| a | Grenada, Miss. |
| a | Greenfield, Mass. |
| a | Anderson, Ind. |
| a | Zanesville, Ohio |
| a | Poynette, Wis. |
| z | Louisville, Ky. |
| a | Gadsden, Ala. |
| a | Hagerstown, Md. |

3 Marquette St.
 Frank M. Squires
 Marquis Hotel
 Sanderson Bldg.
 85 Champlain Ave.
 R. L. MacAdam
 Drawer 840
 Apartado 79
 Box 788
 Hotel Lassen
 Casa Grande Hotel
 1025 Third St.
 275 Pearl St.
 Willard Hotel
 Hotel Lincoln
 Goldman Hotel
 Hotel Marquette
 California Hotel
 Hotel Hanford
 11th and Capitol Way
 Parkinson Hotel
 440 N. Main St.
 Crawford Hotel
 Kilgore Hotel
 44 W. Center St.
 Peoples Forum of the Air
 585 E. Colorado St.
 Sacramento Hotel Bldg.
 Chickasaw and N.W. Blvd.
 Midland Nat'l Life Ins. Co.
 Sims Brcdstg. Co.
 Sweetwater Radio, Inc.
 First St. and 19th Ave.
 70 S. Main St.
 1627 Monument Ave.
 63 Broad St.
 33 N. High St.
 Twin City Brcdstg. Co., Inc.
 Capital Brcdstg. Co., Inc.
 2756 Pine Grove Ave.
 100 E. Poplar
 3850 Ogden Ave.
 Hotel Roger Smith
 Fountain of Youth Properties
 51 E. First St.
 64 S. Grove St.
 14th St. and 23rd Ave.
 P. K. Ewing
 John W. Haigin
 Citizens Bank Bldg.
 1st Trust and Bank Bldg.
 Electric Farm, RFD No. 3
 3rd and Jefferson Sts.
 108 S. 6th St.
 Lovely Dame Bldg.

| | | |
|------|-----|----------|
| WJIM | B | 250 |
| WJLS | ... | 250 |
| WJMC | D | 250 |
| WJTN | B | 250 |
| WJW | ... | 250 |
| WKOK | ... | 100 |
| WLOK | ... | 100 |
| WMFG | D | 250 |
| WOCB | C | 250 |
| WOMT | ... | 100 |
| WPAX | ... | 250 |
| WPID | P5 | 250 |
| WRAL | M | 250 |
| WSAY | ... | 250 |
| WSBC | G4 | 250 |
| WSIX | M | 250 |
| WSNJ | ... | 250 |
| WSOC | MN | 100(.25) |
| WTAX | ... | 100 |
| WTMA | ... | 250 |
| XEAT | ... | 250 |
| XEE | ... | 50 |
| XEFV | ... | 50 |
| XETH | ... | 100 |

| | |
|---|-------------------|
| z | Lansing, Mich. |
| z | Beckley, W. Va. |
| z | Rice Lake, Wis. |
| a | Jamestown, N. Y. |
| a | Akron, Ohio |
| a | Sunbury, Pa. |
| a | Lima, Ohio |
| a | Hibbing, Minn. |
| z | Hyannis, Mass. |
| a | Manitowoc, Wis. |
| a | Thomasville, Ga. |
| z | Petersburg, Va. |
| z | Raleigh, N. C. |
| a | Rochester, N. Y. |
| a | Chicago, Ill. |
| a | Nashville, Tenn. |
| a | Bridgeton, N. J. |
| a | Charolite, N. C. |
| a | Springfield, Ill. |
| z | Charleston, S. C. |
| a | Parral, Chih. |
| a | Durango, Dgo. |
| a | Jaurez, Chih. |
| a | Puebla, Pue. |

WJIM, Inc.
 Joe L. Smith, Jr.
 Walter H. McGenty
 Wellman Bldg., Cherry and 3rd.
 41 S. High St.
 1150 N. Front St.
 1424 Rice Ave.
 Head of the Lakes Brdcstg. Co.
 Cape Cod Brdcstg. Co.
 Box 326
 135 E. Jackson St.
 Sycamore and Tabb Sts.
 Capitol Brdcstg. Co., Inc.
 192 S. Goodman St.
 2400 Madison Ave.
 Andrew Jackson Hotel
 Eastern States Brdcstg. Corp.
 516 W. Trade St.
 416 E. Capitol Ave.
 Atlantic Coast Brdcstg Co.
 Av. Carranza
 20 de Noviembre 112 Pte.
 Tlaxcala 1013
 Calle 17 Oriente 11

1220 kcs. (245.8 m.)

| | | |
|-------|------|---------|
| KFKU | a | 1000(5) |
| KTMS | BE | 500 |
| KTW | 2 | 1000 |
| KWSC | 2 | 1000(5) |
| TIGPH | 1225 | 1000 |
| WCAD | D | 500 |
| WCAE | MRX | 1000(5) |
| WDAE | CX | 1000(5) |
| WGNV | D | 250 |
| WREN | aB | 1000(5) |
| XEBL | ... | 500 |
| XEDA | ... | 200 |
| XETF | ... | 12 |

| | |
|---|-----------------------|
| a | Lawrence, Kans. |
| z | Santa Barbara, Calif. |
| a | Seattle, Wash. |
| a | Pullman, Wash. |
| b | San Jose, C. Rica |
| a | Canton, N. Y. |
| a | Pittsburgh, Pa. |
| a | Tampa, Fla. |
| a | Newburgh, N. Y. |
| a | Lawrence, Kans. |
| z | Mazatlan, Sin. |
| z | Mexico City, D. F. |
| a | Veracruz, Ver. C. |

University of Kans.
 News Press Pub. Co.
 7th and Spring Sts.
 States College of Wash.
 Nueva Alma Tica
 St. Lawrence University
 WCAE, Inc.
 Courier Pub. Corp., Poughkeep-
 Tampa Terrace
 sie
 7th and Vermont Sts.
 Apartado 78
 Lxtlachuatl 5
 Independencia 28

1230 kcs. (243.8 m.)

| | | |
|------|-----|---------|
| CMCB | ... | 200 |
| CMJE | ... | 200 |
| KGBX | N | 500 |
| KGGM | C | 1000 |
| KYA | E | 1000(5) |
| WFBM | R | 1000(5) |
| WNAC | C | 1000(5) |
| WOL | M | 1000 |
| XECA | ... | 250 |
| XEG | ... | 250 |
| XEHK | ... | 125 |

| | |
|---|-----------------------|
| a | Havana, Cuba |
| z | Camaguey, Cuba |
| z | Springfield, Mo. |
| a | Albuquerque, N. Mex. |
| a | San Francisco, Calif. |
| a | Indianapolis, Ind. |
| a | Boston, Mass. |
| z | Washington, D. C. |
| z | Tampico, Tam. |
| z | Monterrey, N. L. |
| z | Guadalajara, Jal. |

Calles O'Reilly y Aguacate
 Maceo 27
 508 St. Louis
 KiMo Theatre Bldg.
 988 Market St.
 48 Monument Circle
 Yankee Network, Inc.
 1111 "H" St.
 Fray Andres Olmes 7
 Escobedo

1240 kcs. (241.8 m.)

| | | |
|------|-----|---------|
| CJCB | F | 1000 |
| CMAB | ... | 200 |
| CMHB | ... | 200 |
| KFJZ | M | 1000 |
| KGCU | ... | 250 |
| KTFI | N | 1000 |
| WHBF | M | 1000 |
| WKAQ | C | 1000 |
| WXYZ | B | 1000(5) |
| XEAD | ... | 500 |
| XEBC | ... | 100 |
| XEBU | ... | 50 |
| XECW | ... | 250 |
| XEDL | ... | 250 |
| XEKL | A | 500 |
| XEKS | ... | 100 |
| XEME | ... | 50 |

| | |
|---|-----------------------|
| a | Sydney, N. S. |
| z | Pinar del Rio, Cuba |
| z | Sancti Spiritus, Cuba |
| a | Fort Worth, Texas |
| a | Mandan, N. Dak. |
| a | Twin Falls, Idaho |
| a | Rock Island, Ill. |
| a | San Juan, Puerto Rico |
| a | Detroit, Mich. |
| z | Aguascalientes, Aqs. |
| z | Morelia, Micho. |
| z | Chihuahua, Chih. |
| z | Cordoba, Ver. C. |
| z | Navojoa, Son. |
| b | Leon, Gto. |
| z | Saltillo, Coah. |
| z | Merida, Yuc. |

Radio Bldg.
 Calle Marti 68
 Parque Santa Sanchez 1
 Hotel Texas
 404 W. Main St.
 Box 521
 Safety Bldg.
 Box 1414
 Maccabees Bldg.

 Apartado 157
 Av. 1 No. 50

 Madero 18

 Calle 59 "A."

1250 kcs. (239.9 m.)

| | | |
|------|-----|------|
| CMKC | ... | 200 |
| KFOX | ... | 1000 |
| KIT | FM | 1000 |

| | |
|---|--------------------|
| a | Santiago, Cuba |
| a | Long Beach, Calif. |
| a | Yakima, Wash. |

P. O. Box 466
 1220 E. Anaheim St.
 109 1/2 E. Yakima Ave.

KXOK ... 1000
 WAIR DM 250
 WDSU B 1000
 WHBI 2 1000(2.5)
 WKST D 1000
 WMRO D 250
 WNEW 2 1000(5)
 WTCN B 1000(5)
 XEAI ... 500

1260 kcs. (238 m.)

CMBD ... 200
 CMJO ... 200
 KGVO C 1000(5)
 KHSL MX 250
 KOIL CEM 1000(5)
 KPAC DZ 500
 KRGV MN 1000
 KUOA D 5000
 KVOA EN 1000
 WFVA D 250
 WHIO C 1000(5)
 WHLD DP 1000
 WNBX CMY 1000
 WTOC C 1000(5)

1270 kcs. (236.1 m.)

CMHD ... 200
 KGCA DQ2 100
 KOL M 1000(5)
 KVOR C 1000
 KWLC D2 100
 WASH aDN 500
 WFBF R 1000(5)
 WJDX R 1000(5)
 WOOD aN 500
 XESM ... 100
 XEXB A 250
 XEXE ... 17

1280 kcs. (234.2 m.)

CMKO ... 200
 KFBB C 1000(5)
 KLS ... 250
 WCAM 2 500
 WCAP 2 500
 WDOD C 1000(5)
 WIBA N 1000(5)
 WORC C 500
 WRR M 500
 WTNJ 2 500
 XEKR ... 100
 XEMX A 100

1290 kcs. (232.4 m.)

CMCG ... 200
 KDYL R 1000(5)
 KLCN D 100
 KTRH C 1000(5)
 WATR ... 250
 WEBC N 1000(5)
 WJAS C 1000(5)
 WJHP P 250
 WNBZ D 100
 WNEL ... 1000(2.5)

1300 kcs. (230.6 m.)

KALE M 1000
 KFAC C 1000
 KFH ... 1000(5)
 WBBR 2 1000
 WEVD 2 1000
 WFBC NX 1000(5)
 WHAZ 2 1000
 WHBL ... 250(1)

z St. Louis, Mo.
 a Winston-Salem, N. C.
 a New Orleans, La.
 a Newark, N. J.
 a New Castle, Pa.
 z Aurora, Ill.
 a New York, N. Y.
 a Minneapolis, Minn.
 z Mexico City, D. F.

z Havana, Cuba
 a Ciego de Avila, Cuba
 a Missoula, Mont.
 a Chico, Calif.
 a Omaha, Nebr.
 a Port Arthur, Texas
 a Weslaco, Texas
 a Siloam Springs, Ark.
 a Tucson, Ariz.
 z Fredericksburg, Va.
 a Dayton, Ohio
 z Niagara Falls, N. Y.
 a Springfield, Vt.
 a Savannah, Ga.

d Caibarien, Cuba
 a Decorah, Iowa
 a Seattle, Wash.
 a Colorado Springs, Colo.
 a Decorah, Iowa
 a Grand Rapids, Mich.
 a Baltimore, Md.
 a Jackson, Miss.
 a Grand Rapids, Mich.
 z Mexico City, D. F.
 a Jalapa, Ver. C.
 z Texcoco, D. F.

z Holguin, Cuba
 a Great Falls, Mont.
 a Oakland, Calif.
 a Camden, N. J.
 a Asbury Park, N. J.
 b Chattanooga, Tenn.
 a Madison, Wis.
 a Worcester, Mass.
 a Dallas, Texas
 a Trenton, N. J.
 z Mexico City, D. F.
 z Mexico City, D. F.

a Havana, Cuba
 a Salt Lake City, Utah
 a Blytheville, Ark.
 a Houston, Texas
 a Waterbury, Conn.
 a Duluth, Minn.
 a Pittsburgh, Pa.
 z Jacksonville, Fla.
 a Saranac Lake, N. Y.
 a San Juan, Puerto Rico

a Portland, Ore.
 a Los Angeles, Calif.
 a Wichita, Kans.
 a Brooklyn, N. Y.
 a New York, N. Y.
 a Greenville, S. C.
 a Troy, N. Y.
 g Sheboygan, Wis.

Star-Times Bldg.
 Robert E. Lee Hotel
 Hotel Monteleone
 100 Shipman St.
 WKST, Inc.
 Martin R. O'Brien
 501 Madison Ave.
 Wesley Temple Bldg.
 Bahia de Sta. Barbara 114

17 N. 3, Vedado
 Hotel Norte de Cuba
 240 N. Higgins Ave.
 Golden Empire Brcdstg. Co.
 Omaha Nat'l. Bank Bldg.
 1500 Proctor St.
 201 Border St.
 John Brown University
 Consolidated Nat'l. Bank Bldg.
 528 Wolfe St.
 39 S. Ludlow St.
 Niagara Falls Gazette
 Twin State Brcdstg. Corp.
 DeSoto Hotel

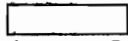
Calle Maria Escobar 17
 211 Winnibago St.
 Northern Life Tower
 Out West Brcdstg. Co.
 Prussus Gymnasium
 Gd. Rapids Nat'l. Bank Bldg.
 7 St. Paul St.
 Lamar Life Insurance Co.
 Gd. Rapids Nat'l. Bank Bldg.
 Av. Claudio Bernard
 H. Ayuntamiento de Texcoco

Calles Maceo y Libertad
 P. O. Box 1817
 327-21st St.
 City Hall
 Convention Hall
 Hotel Patten
 111 King St.
 60 Franklin St.
 Southland Bldg.
 Stacy Trent Hotel
 Calle Moneda 19

Calle Malecon 340 altos
 Ezra Thompson Bldg.
 Main and Division Sts.
 Rice Hotel
 47 Grand St.
 Spaulding Hotel
 Seventh Ave.
 The Metropolis Co.
 Hotel Saranac
 Box 1252

New Heathman Hotel
 3443 Wilshire Blvd.
 York Rite Temple
 124 Columbia Hts.
 Hotel Claridge
 Imperial Hotel
 Eighth Ave.
 Press Bldg.

1310 kcs. (228.9 m.)



| | | | | | |
|-------|------|----------|---|-------------------------|-------------------------------|
| CHCK | ... | 50 | a | Charlottetown, P. E. I. | CHCK Radio Brdcastg. Co. |
| CJKL | F | 100 | a | Kirkland Lake, Ont. | R and E Bldg. |
| CJLS | F | 100 | a | Yarmouth, N. S. | Box 684 |
| CKCV | F | 100 | a | Quebec, P. Q. | 254 Ave. Marguerite-Bourgeois |
| CMKE | F | 100 | z | Manzanillo, Cuba | State Natl. Bank Bldg. |
| KAND | M | 100 | a | Corsicana, Texas | 1333 Van Ness St. |
| KARM | C | 250 | a | Fresno, Calif. | Pilot Butte Inn. |
| KBND | ... | 250 | z | Bend, Ore. | 901 N. 8th St. |
| KCKN | E | 250 | a | Kansas City, Kans. | Drawer D |
| KCRJ | E | 250 | a | Jerome, Ariz. | 205 Grafton St. |
| KFPL | ... | 100(.25) | f | Dublin, Texas | Box 1448 |
| KFYO | M | 100(.25) | a | Lubbock, Texas | 203 First Ave. E. |
| KGEZ | ... | 100 | a | Kalispell, Mont. | 919 W. 27th St. |
| KGFV | ... | 250 | a | Kearney, Nebr. | John P. Scripps |
| KHUB | ... | 250 | a | Watsonville, Calif. | F. W. Meyer |
| KMYR | P | 100(.25) | a | Denver, Colo. | Plaza Court Brdcastg. Co. |
| KOCY | ... | 250 | a | Oklahoma City, Okla. | Oil Capital Sales Corp. |
| KOME | EM | 250 | z | Tulsa, Okla. | 212 N. Ballard St. |
| KPDN | ... | 100 | a | Pampa, Texas | Angelina Hotel |
| KRBA | D | 250 | a | Lufkin, Texas | Jefferson Hotel Bldg. |
| KRMD | ... | 250 | a | Shreveport, La. | Martin Hotel |
| KROC | EN | 250 | a | Rochester, Minn. | 1010 S. Crockett St. |
| KRRV | DMXZ | 250 | a | Sherman, Texas | Press-Democrat Pub. Co. |
| KSRO | ... | 250 | a | Santa Rosa, Calif. | El Escalante Hotel |
| KSUB | ... | 100 | a | Cedar City, Utah | Box 1976 |
| KTSM | N2 | 250 | a | El Paso, Texas | Redwood Highway |
| KLIJN | P | 100 | z | Grants Pass, Ore. | Route 77 |
| KVTC | P | 100(.25) | z | Victoria, Texas | Evangeline Hotel |
| KVOL | ... | 250 | a | Lafayette, La. | 722 Center Ave. |
| KVOX | E | 250 | a | Moorhead, Minn. | Box 985 |
| KVSF | C | 100 | a | Santa Fe, N. Mex. | Hot Springs Brdcastg. Co. |
| KWFC | P | 100(.25) | z | Hot Springs, Ark. | 216 Poplar St. |
| KWOC | DX | 100 | a | Poplar Bluff, Mo. | 210 Monroe St. |
| KWOS | ... | 250 | a | Jefferson City, Mo. | 207 Market St. |
| KXRO | M | 250 | a | Aberdeen, Wash. | Radio Morse |
| TGI | ... | ... | d | Guatemala City, Guat. | Box 26 |
| WAML | ... | 250 | a | Laurel, Miss. | 19 1/2 S. Sixth St. |
| WBOW | NXZ | 100(.25) | a | Terre Haute, Ind. | 16 N. Main St. |
| WBRE | N | 250 | a | Wilkes-Barre, Pa. | 8 Bank Row |
| WBRK | M | 250 | a | Pittsfield, Mass. | 301 E. Jefferson St. |
| WCLS | L | 100 | a | Joliet, Ill. | Box 106 |
| WCMI | M | 250 | a | Ashland, Ky. | Box 1976 |
| WDAH | 2 | 250 | a | El Paso, Texas | 146 W. Washington |
| WDAJ | G | 250 | a | Marquette, Mich. | 23 North St. |
| WEBR | B | 250 | a | Buffalo, N. Y. | 711 Empire Bldg. |
| WEMP | ... | 250 | a | Milwaukee, Wis. | 212 W. 6th St. |
| WEXL | ... | 50 | a | Royal Oak, Mich. | 12th Ave. and 13th St. |
| WFBG | R | 100 | a | Altoona, Pa. | Union Industrial Bldg. |
| WDFD | B | 100 | a | Flint, Mich. | J. Samuel Brody |
| WFIG | P | 100(.25) | z | Sumter, S. C. | J. K. Patrick and Co. |
| WGAU | ... | 250 | a | Athens, Ga. | Metropolitan Bldg. |
| WGH | K | 250 | a | Newport News, Va. | WGTM, Inc. |
| WGTM | X | 100 | a | Wilson, N. C. | Public Ledger Bldg. |
| WHAT | 4 | 100 | a | Philadelphia, Pa. | Orville W. Lyerla |
| WJPF | P | 100(.25) | z | Terrin, Ill. | 107 So. Poplar St. |
| WJPR | ... | 250 | z | Greenville, Miss. | Lake Region Brdcastg. Co. |
| WLAK | N | 250 | z | Lakeland, Fla. | Anthony Bldg. |
| WLBC | ... | 250 | a | Muncie, Ind. | Cemetery Pike and Lehman Ave. |
| WLBJ | P | 250 | z | Bowling Green, Ky. | 523 Main St. |
| WLNH | M | 250 | a | Laconia, N. H. | Metcalf Bldg. |
| WMBO | ... | 250 | a | Auburn, N. Y. | Hotel Cumberland |
| WFFF | B | 250 | a | Plattsburg, N. Y. | 251 Union St. |
| WNBH | MX | 100(.25) | a | New Bedford, Mass. | 533 Penn St. |
| WRAW | ... | 100 | a | Reading, Pa. | 524 S. Gay St. |
| WROL | N | 250 | a | Knoxville, Tenn. | Main and Broad Sts. |
| WSAJ | ... | 100 | a | Grove City, Pa. | Bull and Broughton Sts. |
| WSAV | P | 100 | z | Savannah, Ga. | Birmingham News Co. |
| WSGN | BE | 100(.25) | a | Birmingham, Ala. | 416 N. Marshall |
| WSJS | C | 250 | a | Winston-Salem, N. C. | Gushard Bldg. |
| WSOY | ... | 100(.25) | a | Decatur, Ill. | Fla. Capital Broadcasters |
| WTAL | ... | 100(.25) | a | Tallahassee, Fla. | 4312 N. Broad |
| WTCL | 4 | 100 | a | Philadelphia, Pa. | Sun Bldg. |
| WTJS | ... | 250 | a | Jackson, Tenn. | Hotel Elkhart |
| WTRC | ... | 250 | z | Elkhart, Ind. | Av. L 135 |
| XEAG | ... | 250 | z | Cordoba, Ver. C. | ... |
| XEAU | ... | 250 | z | Tijuana, B. Cfa. | Av. Guerrero 26 |
| XEBU | ... | 25 | z | Irapuato, Gto. | Salvador Diaz Miron 6 |
| XEFW | ... | 300 | a | Tampico, Tam. | Morelos 5060 |
| XETB | ... | 500 | a | Torreón, Coah. | Calle 46 No. 508 |
| XEX | ... | 500 | a | Monterrey, N. L. | |

1320 kcs. (227.1 m.)

| | |
|---------------|---------|
| CMCR . . . | 200 |
| KGHF . . . B | 500 |
| KGM BCMZX | 1000 |
| KID . . . | 500(1) |
| KRNT . . . C | 1000(5) |
| WADC . . . C | 1000(5) |
| WORK . . . N | 1000 |
| WSMB . . . RX | 1000(5) |

| | |
|---|--------------------|
| z | Havana, Cuba |
| a | Pueblo, Colo. |
| a | Honolulu, Hawaii |
| a | Idaho Falls, Idaho |
| a | Des Moines, Iowa |
| a | Akron, Ohio |
| a | York, Pa. |
| a | New Orleans, La. |

Av. de Menocal 115
113 Broadway
Box 581
Box 487
715 Locust St.
Box 29
15 S. Beaver St.
Maison Blanche Bldg.

1330 kcs. (225.4 m.)

| | |
|----------------|---------|
| KGB . . . MX | 1000 |
| KMO . . . M | 1000 |
| KRIS . . . MN | 500 |
| KSCJ . . . NX | 1000(5) |
| WDRG . . . CX | 1000(5) |
| WSAI . . . MNX | 1000(5) |
| WTAQ . . . CX | 1000(5) |

| | |
|---|----------------------|
| a | San Diego, Calif. |
| a | Tacoma, Wash. |
| a | Corpus Christi, Tex. |
| a | Sioux City, Iowa |
| g | Hartford, Conn. |
| a | Cincinnati, Ohio |
| a | Green Bay, Wis. |

1012 First Ave.
914¹/₂ Broadway
Medical and Professional Bldg.
416 Douglas St.
750 Main St.
1329 Arlington St.
Bellin Bldg.

1340 kcs. (223.7 m.)

| | |
|---------------|---------|
| KDTH . . . DP | 500 |
| KGIR . . . EN | 5000 |
| KGNO . . . | 250(1) |
| WCOA . . . N | 500(1) |
| WFEE . . . MN | 500(1) |
| WFNC . . . DP | 250 |
| WSPD . . . RX | 1000(5) |
| WPAB . . . P | 1000 |

| | |
|---|---------------------|
| z | Dubuque, Iowa |
| a | Butte, Mont. |
| b | Dodge City, Kans. |
| a | Pensacola, Fla. |
| a | Manchester, N. H. |
| z | Fayetteville, N. C. |
| a | Toledo, Ohio |
| z | Ponce, Puerto Rico |

Telegraph Herald Co.
121 W. Broadway
First Nat'l Bank Bldg.
San Carlos Hotel
Carpenter Hotel
Cumberland Brdcstg. Co.
Portorican American Brdcstg. Co.
Fort Industry Co.
Veracruz 83
Apartado 28
Castilla 153, Colonia alamos
Voice of Industry and Commerce
Caleana y B. Dominguez
Calle 59 No. 517
....

| | |
|------------|-----|
| XEAP . . . | 50 |
| XEBJ . . . | 100 |
| XEBS . . . | 200 |
| XEBW . . . | 250 |
| XEDH . . . | 200 |

| | |
|---|--------------------|
| z | Obregon, Son. |
| a | Victoria, Tam. |
| z | Mexico City, D. F. |
| a | Chihuahua, Chih. |
| z | Villa Acuna, Coah. |

| | |
|------------|-----|
| XEFC . . . | 100 |
| XELW . . . | 250 |

| | |
|---|-------------------|
| a | Merida, Yuc. |
| z | Guadalajara, Jal. |

1350 kcs. (222.1 m.)

| | |
|---------------|-----------|
| CMCA . . . | 200 |
| KIDO . . . N | 1000(2.5) |
| KWK . . . BM | 1000(5) |
| WAWZ . . . | 2 |
| WBNX . . . | 2 |
| WMBG . . . RX | 500 |

| | |
|---|------------------|
| a | Havana, Cuba |
| a | Boise, Idaho |
| a | St. Louis, Mo. |
| a | Zarephath, N. J. |
| a | New York, N. Y. |
| a | Richmond, Va. |

Av. de Italia 102
Hote Boise
Hotel Chase
Pillar of Fire
2600 E. 161st St.
914 W. Broad St.

1360 kcs. (220.4 m.)

| | |
|---------------|---------|
| CMJH . . . | 200 |
| KCRC . . . EM | 250 |
| KGER . . . | 1000 |
| KLPM . . . | 500(1) |
| KSLM . . . M | 500(1) |
| WCSC . . . C | 500(1) |
| WFBL . . . C | 1000(5) |
| WGES . . . | 2 |
| WQBC . . . D | 1000 |
| WSBT . . . C2 | 500 |

| | |
|---|----------------------|
| d | Ciego de Avila, Cuba |
| a | Enid, Okla. |
| a | Long Beach, Calif. |
| a | Minot, N. Dak. |
| a | Salem, Ore. |
| a | Charleston, S. C. |
| a | Syracuse, N. Y. |
| a | Chicago, Ill. |
| a | Vicksburg, Miss. |
| a | South Bend, Ind. |

Calle "H" del Castilla 37
Willow and Kennedy Sts.
435 Pine Ave.
Box 707
343 Court St.
Francis Marion Hote
Onondaga Hotel
4000 Washington Blvd.
Hotel Vicksburg
22 W. Colfax Ave.

1370 kcs. (218.8 m.)

| | |
|-----------------|-----|
| CFAR . . . | 100 |
| CFOS . . . | 100 |
| CKCW . . . F | 100 |
| CKRN . . . | 250 |
| CMGE . . . | 200 |
| HIZ . . . | 75 |
| KEEN . . . 3 | 100 |
| GELD . . . | 250 |
| KERN . . . BEXZ | 100 |
| KFGQ . . . D | 100 |
| KFRO . . . DMXZ | 250 |
| KGFL . . . 4 | 100 |
| KGFL . . . | 100 |
| KICA . . . | 100 |
| KIUN . . . | 100 |

| | |
|---|---------------------|
| a | Flin Flon, Man. |
| z | Owen Sound, Ont. |
| a | Moncton, N. B. |
| z | Rouyn, P. Q. |
| a | Cardenas, Cuba |
| z | Trujillo, D. R. |
| a | Seattle, Wash. |
| z | El Dorado, Ark. |
| a | Bakersfield, Calif. |
| a | Boone, Iowa |
| a | Longview, Texas |
| a | Roswell, N. Mex. |
| a | San Angelo, Texas |
| a | Clovis, N. Mex. |
| a | Pecos, Texas |

120 Main St.
Owen Sound Sun-Times
K or P Hall
Rouyn-Noranda, Ltee.
Av. Cespedes 180
Frank Hatton
2101 Smith Tower
Exchange Bldg.
Elks Bldg.
924 W. Second St.
Glover-Crim Blvd.
502 W. Second St.
St. Angelus Hotel
Box 111
KIUN Bldg.

| | | | | | |
|------|-----|-----------|---|---------------------------|--------------------------------|
| KIUP | ... | 100 | a | Durango, Colo. | 2800 Main St. |
| KLUF | M | 250 | a | Galveston, Tex. | 1225-23rd St. |
| KMAC | 5 | 250 | a | San Antonio, Tex. | Smith-Young Tower |
| KOBH | ... | 250 | a | Rapid City, S. Dak. | Alex Johnson Hotel |
| KOKO | ... | 100 | a | La Junta, Colo. | Southwest Brcdstg. Co. |
| KONO | 5 | 250 | a | San Antonio, Tex. | Milam Bldg. |
| KORN | P | 100(.25) | z | Fremont, Nebr. | 6th and Broad St. |
| KRE | ... | 250 | a | Berkeley, Calif. | 2337 Shattuck Ave. |
| KRKO | 3 | 50 | a | Everett, Wash. | 2814 Rucker Ave. |
| KRMC | ... | 250 | a | Jamestown, N. Dak. | Gladstone Hotel |
| KTEM | M | 250 | a | Temple, Texas | Kyle Hotel |
| KTOK | EMN | 250 | a | Oklahoma City, Okla. | 1113 Broadway |
| KTSW | M | 250 | a | Emporia, Kans. | Broadview Hotel |
| KTUC | CE | 250 | a | Tucson, Ariz. | S. 6th Ave. and 12 St. |
| KUJ | ... | 100 | a | Walla Walla, Wash. | Marcus Whitman Hotel |
| KVFD | LP | 100(.25) | z | Fort Dodge, Iowa | Northwest Brcdstg. Co. |
| KVGB | X | 100 | z | Great Bend, Kans. | Helen Townsley |
| KVRS | ... | 250 | a | Rock Springs, Wyo. | Wyoming Brcdstg. Co. |
| KWYO | ... | 250 | a | Sheridan, Wyo. | Big Horn Brcdstg. Co. |
| WABY | BM | 100(.25) | a | Albany, N. Y. | Strand Theater Bldg. |
| WAGF | D | 250 | a | Dothan, Ala. | Box 25 |
| WATL | ... | 250 | a | Atlanta, Ga. | 26 Cain St. |
| WATW | P | 100 | a | Asheville, N. C. | WJMS, Inc. |
| WBLK | N | 250 | a | Clarksburg, W. Va. | The Exponent Co. |
| WBNY | 2 | 250 | a | Buffalo, N. Y. | 485 Main St. |
| WBTH | ... | 250 | z | Williamson, W. Va. | Williamson Brcdstg. Corp. |
| WBTM | ... | 100(.25) | a | Danville, Va. | Miller Bldg. |
| WCBM | ... | 250 | a | Baltimore, Md. | Keith Theater Bldg. |
| WCNC | ... | 250 | z | Elizabeth City, N. C. | 104 E. Colonial Ave. |
| WCOS | ... | 250 | a | Columbia, S. C. | Carolina Adv. Corp. |
| WDAS | ... | 250 | a | Philadelphia, Pa. | 1211 Chestnut St. |
| WDWS | ... | 250 | a | Champaign, Ill. | 48-56 Main St. |
| WEOA | C | 250 | a | Evansville, Ind. | Evansville on the Air, Inc. |
| WFOR | ... | 100 | a | Hattiesburg, Miss. | Box 947 |
| WFTL | ... | 100(.25) | a | Ft. Lauderdale, Fla. | 403 Tarpon Drive |
| WGBR | ... | 250 | a | Goldsboro, N. C. | Eastern Carolina Brcdstg. Co. |
| WGL | N | 250 | a | Fort Wayne, Ind. | Westinghouse Radio Station |
| WGRM | M | 250 | a | New Albany, Ind. | North Side Brcdstg. Corp. |
| WHBO | ... | 100 | a | Memphis, Tenn. | Hotel Claridge |
| WHDF | ... | 250 | a | Calumet, Mich. | Scott St. |
| WHKY | P | 250 | z | Hickory, N. C. | Catawba Valley Brcdstg. Co. |
| WHLB | C | 250 | a | Virginia, Minn. | Head of the Lakes Brcdstg. Co. |
| WHLS | ... | 250 | a | Port Huron, Mich. | 932 Military St. |
| WHTR | P | 100(.25) | z | Spartanburg, S. C. | 178 W. Main St. |
| WHUB | P | 250 | z | Cookeville, Tenn. | 807 Hickory St. |
| WIBM | B | 250 | a | Jackson, Mich. | 306 W. Michigan Ave. |
| WISE | N | 250 | z | Asheville, N. C. | Broadway and College Ave. |
| WJAC | R | 250 | a | Johnstown, Pa. | Locust St. |
| WLLH | S | 10-100 | a | Lawrence, Mass. | Cregg Bldg. |
| WLLH | MS | 250 | a | Lowell, Mass. | Box D |
| WMAN | D | 250 | a | Mansfield, Ohio | 140 Park Ave., W. |
| WMBR | C | 250 | a | Jacksonville, Fla. | Atlantic Annex Bldg. |
| WMFD | ... | 100(.25) | a | Wilmington, N. C. | Hotel Wilmington |
| WMGA | ... | 250 | z | Moultrie, Ga. | State Route 37 |
| WMIN | ... | 250 | a | St. Paul, Minn. | St. Anthony and Syndicate |
| WMSL | DEX | 100 | a | Decatur, Ala. | Tenn. Valley Brcdstg. Co. |
| WOC | C | 250 | a | Davenport, Iowa | 1000 Brady St. |
| WPAY | ... | 100 | a | Portsmouth, Ohio | Vee Bee Corp. |
| WPRA | XX | 1000(.25) | a | Mayaguez, P. R. | McKinley and Del Rio Sts. |
| WRAK | ... | 250 | a | Williamsport, Pa. | 244 W. Fourth St. |
| WRDO | MN | 100 | a | Augusta, Maine | 1 Commercial St. |
| WRJN | ... | 250 | a | Racine, Wis. | Hotel Racine |
| WSAU | ... | 250 | a | Wausau, Wis. | Northern Brcdstg. Co., Inc. |
| WSLB | P | 250 | z | Ogdensburg, N. Y. | St. Lawrence Brcdstg. Corp. |
| WSVS | D2 | 50 | b | Buffalo, N. Y. | 666 E. Delevan Ave. |
| WTSP | ... | 250 | z | St. Peterburg, Fla. | 35th Ave. and 4th St. N. |
| XECZ | ... | 100 | z | San Luis Potosi, S. L. P. | Zaragoza 32 |
| XEI | ... | 125 | a | Morella, Micho. | F. I. Madero 545 |
| XELZ | ... | 100 | z | Mexico City, D. F. | Pino 243 |

1380 kcs. (217.3 m.)

| | | | | | |
|------|-----|---------|---|--------------------|--------------------------|
| CMCW | ... | 200 | d | Havana, Cuba | Calecon 54, Esq. Galiano |
| KOH | NXZ | 500 | a | Reno, Nev. | 440 N. Virginia St. |
| KOV | ... | 10000 | b | Pittsburgh, Pa. | 1406 Chamber of Commerce |
| WALA | CX | 500(1) | a | Mobile, Ala. | Bldg. |
| WING | N | 250(.5) | a | Dayton, Ohio | Box 288 |
| WKBH | C | 1000 | a | La Crosse, Wis. | 121 N. Main St. |
| WNBC | B | 1000 | a | New Britain, Conn. | 409 Main St. |
| | | | | | 147 Main St. |

1390 kcs. (215.7 m.)

| | | |
|------|-----|---------|
| CMJC | ... | 200 |
| KABR | ... | 500(11) |
| KLRA | C | 1000(5) |
| KOY | C | 1000 |
| KRLC | ... | 250 |
| WHK | KBM | 1000(5) |
| WODM | AD | 1000 |
| XEM | ... | 500 |

| | |
|---|-------------------|
| z | Camaguey, Cuba |
| a | Aberdeen, S. Dak. |
| a | Little Rock, Ark. |
| g | Phoenix, Ariz. |
| a | Lewiston, Idaho |
| a | Cleveland, Ohio |
| f | St. Albans, Vt. |
| z | Chihuahua, Chlh. |

Calle Cisneros y Gral Gomez
Alonzo Ward Hotel
Gazette Bldg.
Thomas Arcade Bldg.
Lewis-Clarke Hotel
United Broadcasting Co.
8 Kingman St.
Apartado 2033

1400 kcs. (214.2 m.)

| | | |
|------|-----|------|
| CMAR | ... | 200 |
| CMKR | ... | 200 |
| KLO | B | 5000 |
| KTUL | C | 5000 |
| TGX | ... | ... |
| WARD | 2 | 500 |
| WBBC | 2 | 500 |
| WHDL | D | 250 |
| WIRE | MR | 5000 |
| WLTH | 2 | 500 |
| WVFW | 2 | 500 |
| XEA | ... | 250 |
| XEAJ | ... | 100 |
| XEDE | ... | 100 |
| XEDS | ... | 250 |

| | |
|---|-----------------------|
| z | Pinar del Rio, Cuba |
| z | Santiago de Cuba |
| a | Ogden, Utah |
| a | Tulsa, Okla. |
| d | Guatemala City, Guat. |
| a | Brooklyn, N. Y. |
| a | Brooklyn, N. Y. |
| a | Olean, N. Y. |
| a | Indianapolis, Ind. |
| a | New York, N. Y. |
| a | Brooklyn, N. Y. |
| z | Campeche, Cam. |
| z | Navojoa, Son. |
| z | Torreón, Coah. |
| z | Mazatan, Sin. |

....
Calle "B" maso alta 69
Hotel Ben Lomond
National Bank Bldg.
Partido Liberal Progresista
583 Meserole St.
552-554 Atlantic
Exchange Bank
640 N. Meridan St.
105 Second Ave.
1 Nevins St.
....
....
....
....

1410 kcs. (212.5 m.)

| | | |
|------|-----|-----------|
| CKFC | 2 | 50 |
| CKMO | 2 | 100 |
| CMCQ | ... | 200 |
| KFJM | ... | 500(11) |
| KGNC | N | 1000(2.5) |
| KMED | N | 250(1) |
| WAAB | EM | 1000 |
| WBCM | ... | 500(11) |
| WHIS | ... | 500(11) |
| WRWK | M | 500(11) |
| WSFA | CE | 500(11) |

| | |
|---|----------------------|
| a | Vancouver, B. C. |
| a | Vancouver, B. C. |
| a | Havana, Cuba |
| a | Grand Forks, N. Dak. |
| a | Amarillo, Texas |
| b | Medford, Ore. |
| a | Boston, Mass. |
| a | Bay City, Mich. |
| a | Bluefield, W. Va. |
| a | Rockford, Ill. |
| a | Montgomery, Ala. |

1504 Sun Bldg.
812 Robson St.
Calle Vista Alegre 269
First Nat'l Bank Bldg.
Radio Bldg.
Sparta Bldg.
21 Brookline Ave.
Hotel Wenonah
Bland St.
109 S. Water St.
Jefferson Davis Hotel

1420 kcs. (211.1 m.)

| | | |
|------|-----|----------|
| CBY | F | 100 |
| CHLN | ... | 100 |
| CKCA | F | 100(.25) |
| CKLN | F | 100 |
| CMJP | ... | 200 |
| KABC | M | 250 |
| KATE | E | 250 |
| KBPS | 4 | 100 |
| KCMC | M | 250 |
| KDNT | ... | 100 |
| KEUB | ... | 100 |
| KFAM | EN | 250 |
| KFIZ | E | 100 |
| KGFF | EM | 250 |
| KGIW | 3 | 100 |
| KGLU | ... | 250 |
| KIDW | 3 | 100 |
| KLBM | ... | 250 |
| KNET | D | 100 |
| KORE | M | 250 |
| KRBC | M | 250 |
| KRBM | E | 250 |
| KRIC | ... | 250 |
| KRLH | ... | 100 |
| KRLH | ... | 250 |
| KSAN | ... | 250 |
| KTRI | ... | 250 |
| KVAK | ... | 100 |
| KVAL | P | 100(.25) |
| KWBG | X | 100 |
| KXL | 4 | 250 |
| WACO | CM | 250 |
| WAGM | ... | 100 |
| WAOV | P | 100 |
| WAPU | NXZ | 250 |
| WAZL | ... | 250 |
| WCBS | ... | 250 |

| | |
|---|-----------------------|
| a | Toronto, Ont. |
| z | Three Rivers, P. Q. |
| a | Kenora, Ont. |
| a | Nelson, B. C. |
| a | Moron, Cuba |
| a | San Antonio, Texas |
| a | Albert Lea, Minn. |
| a | Portland, Ore. |
| a | Texarkana, Texas |
| a | Denton, Texas |
| a | Price, Utah |
| a | St. Cloud, Minn. |
| a | Fond du Lac, Wis. |
| a | Shawnee, Okla. |
| a | Alamosa, Colo. |
| a | Safford, Ariz. |
| a | Lamar, Colo. |
| z | La Grande, Ore. |
| a | Palestine, Texas |
| a | Eugene, Ore. |
| a | Abilene, Texas |
| a | Bozeman, Mont. |
| z | Beaumont, Texas |
| a | Midland, Texas |
| a | San Francisco, Calif. |
| f | Sioux City, Iowa |
| a | Atchison, Kans. |
| z | Wallace, Idaho |
| a | Hutchinson, Kans. |
| b | Portland, Ore. |
| b | Waco, Texas |
| a | Presque Isle, Maine |
| z | Vincennes, Ind. |
| a | Chattanooga, Tenn. |
| a | Hazleton, Pa. |
| a | Springfield, Ill. |

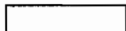
805 Davenport Road
Three Rivers Le Nouvelliste
Kenricia Hotel
News Publishing Co., Ltd.
Cesar Canals, Callejas 80
Milam Bldg.
332 S. Broadway
546 E. 12th Ave. N.
317 Pine St.
Harwell V. Shepard
Eastern Utah Brdctg. Co.
The Times Pub. Co.
Lange Bldg.
Aldridge Hotel
Box 26
6th Ave. and Relation St.
129 W. Elm St.
Harold M. and Eloise Finlay
Box 467
733 Williamette St.
Box 263
KRBM Broadcasters
KRIC, Inc. 6
Clarence Sharbauer
1355 Market St.
Sioux City Brdctg. Co.
Carl Latenser
Samuels Hotel
100 E. Ave. "A"
KXL Bldg.
Amicable Bldg.
Main St.
Vincennes Newspapers, Inc.
9th Broad St.
Hazleton Nat'l Bank Bldg.
208½ S. 5th St.

| | | |
|------|-----|----------|
| WCHV | ... | 250 |
| WEED | ... | 250 |
| WELL | B | 100 |
| WFMJ | ... | 250 |
| WGNC | ... | 250 |
| WGPC | ... | 100 |
| WHFC | ... | 250 |
| WHMA | X | 100 |
| WILM | ... | 250 |
| WJMS | ... | 250 |
| WKIP | P | 250 |
| WLAP | M | 100(.25) |
| WLEU | B | 250 |
| WLPM | P | 100(.25) |
| WMAS | C | 250 |
| WMBC | ... | 250 |
| WMBH | ... | 250 |
| WMBS | ... | 250 |
| WMFJ | X | 100 |
| WMSD | X | 100 |
| WNOE | ... | 250 |
| WPAD | ... | 250 |
| WPAR | C | 100 |
| WPRP | ... | 250 |
| WSLI | ... | 250 |
| WSPB | ... | 100(.25) |

| | |
|---|--------------------------|
| a | Charlottesville, Va. |
| a | Rocky Mount, N. C. |
| a | Battle Creek, Mich. |
| a | Youngstown, Ohio |
| z | Gastonia, N. C. |
| a | Albany, Ga. |
| a | Cicero, Ill. |
| a | Anniston, Ala. |
| a | Wilmington, Del. |
| a | Ironwood, Mich. |
| z | Poughkeepsie, N. Y. |
| a | Lexington, Ky. |
| a | Erie, Pa. |
| z | Suffolk, Va. |
| a | Springfield, Mass. |
| a | Detroit, Mich. |
| a | Joplin, Mo. |
| a | Uniontown, Pa. |
| a | Daytona Beach, Fla. |
| a | Muscle Shoals City, Ala. |
| a | New Orleans, La. |
| a | Paducah, Ky. |
| a | Parkersburg, W. Va. |
| a | Ponce, Puerto Rico |
| a | Jackson, Miss. |
| a | Sarasota, Fla. |

Box 221
 Box 221
 1 W. Michigan Ave.
 101 W. Boardman St.
 Natl. Bank of Commerce Bldg.
 Rylander Theater
 6138 Germak Road
 Harry M. Ayers
 920 King St.
 St. James Hotel
 Poughkeepsie Brdcstg. Corp.
 Main and Esplanade
 Commerce Bldg.
 116 N. Saratoga St.
 Hotel Stonehaven
 7310 Woodward Ave.
 1334 Roosevelt St.
 Fayette Brdcstg. Corp.
 126 1/2 Magnolia Ave.
 Box 688
 St. Charles Hotel
 2201 Broadway
 Chancellor Hotel
 Julio M. Conesa
 Standard Life Brdcstg. Co.
 Ringling Isle

1430 kcs. (209.7 m.)

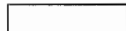


| | | |
|------|-----|---------|
| CJGX | F | 1000 |
| CMKZ | ... | 200 |
| KGNF | D | 1000 |
| KINY | ... | 1000 |
| KSO | BM | 1000(5) |
| WBNS | C | 1000(5) |
| WHCC | C | 500(1) |
| WHP | C | 1000(5) |
| WMPS | B | 500(1) |
| WOKO | CK | 500(1) |
| XERH | ... | 500 |

| | |
|---|---------------------|
| a | Yorkton, Sask. |
| z | Palma Soriano, Cuba |
| a | North Platte, Nebr. |
| a | Juneau, Alaska |
| a | Des Moines, Iowa |
| a | Columbus, Ohio |
| a | Rochester, N. Y. |
| a | Harrisburg, Pa. |
| a | Memphis, Tenn. |
| a | Albany, N. Y. |
| z | Mexico City, D. F. |

171 McDermont Ave., Winni-
 peg.
 Estrada Palma Norte 10
 1521 W. 12th St.
 Goldstein Bldg.
 715 Locust St.
 33 N. High St.
 40 Franklin St.
 216 Locust St.
 Box 445
 Hotel Ten Eyck

1440 kcs. (208.2 m.)



| | | |
|------|-----|---------|
| CKGB | F | 100 |
| CMBY | ... | 200 |
| KDFN | ... | 500 |
| KELA | M | 1000 |
| KXYZ | BM | 1000 |
| WBIG | C | 1000(5) |
| WCBA | a | 500 |
| WMBD | C | 1000(5) |
| WSAN | aN | 500 |
| XEFI | ... | 1000 |

| | |
|---|-------------------|
| a | Timmins, Ont. |
| a | Havana, Cuba |
| a | Casper, Wyo. |
| a | Centralia, Wash. |
| a | Houston, Texas |
| a | Greensboro, N. C. |
| a | Allentown, Pa. |
| a | Peoria, Ill. |
| a | Allentown, Pa. |
| a | Chihuahua, Chih. |

R. H. Thompson
 Av. de Menocal 159
 Box 930
 Central Brdcstg. Corp.
 Gulf Bldg.
 The O. Henry Hotel
 39-41, Tenth St.
 200 Alliance Life Bldg.
 39 Tenth St.
 Apartado 157

1450 kcs. (206.8 m.)



| | | |
|------|-----|---------|
| CFCT | ... | 500 |
| CHGS | F | 50 |
| CMHM | ... | 200 |
| HRN | ... | 500 |
| KCMO | ... | 1000 |
| KGCX | ... | 1000 |
| KIEM | M | 500(1) |
| KTBS | NZ | 1000 |
| TGO | ... | 200 |
| WAGA | B | 500(1) |
| WGAR | C | 1000(5) |
| WHOM | ... | 250 |
| WSAR | M | 1000 |
| XEF | ... | 100 |

| | |
|---|----------------------|
| a | Victoria, B. C. |
| f | Summerside, P. E. I. |
| z | Cienfuegos, Cuba |
| b | Tegucigalpa, Hond. |
| a | Kansas City, Mo. |
| a | Wolf Point, Mont. |
| a | Eureka, Calif. |
| a | Shreveport, La. |
| a | Quezaltenango, Guat. |
| a | Atlanta, Ga. |
| a | Cleveland, Ohio |
| a | Jersey City, N. J. |
| f | Fall River, Mass. |
| a | Juarez, Chih. |

620 View St.
 190 Water St.
 Calle D. Clouet 33
 La Zoz de Honduras
 1515 Commerce Trust Bldg.
 Box 67
 Vance Hotel
 Box 17
 Dir. of Elec. Communications
 Western Union Bldg.
 Hotel Statler
 29 W. 7th St., New York City
 Academy of Music Bldg.
 Ferrocarril 200

1460 kcs. (205.4 m.)



| | | |
|------|-----|-----------|
| CMKF | ... | 250 |
| KSTP | RX | 10000(25) |
| WJSV | CX | 10000 |

| | |
|---|-------------------|
| z | Holguin, Cuba |
| z | St. Paul, Minn. |
| a | Washington, D. C. |

Libertad esq. Arias
 St. Paul Hotel
 Earle Bldg.

1470 kcs. (204 m.)

| | | |
|------|------|------|
| CMCX | ... | 200 |
| H18Q | 1475 | 100 |
| KGA | BM | 5000 |
| WLAC | | 5000 |

[]
 z Havana, Cuba
 z Trujillo, D. R.
 a Spokane, Wash.
 a Nashville, Tenn.

Calle Falso 35, Guanabacoa
 Julio A. Garcia
 1023 W. Riverside Ave.
 2421 West End Ave.

1480 kcs. (202.6 m.)

| | | |
|------|-----|------|
| CMHX | ... | 200 |
| KOMA | C | 5000 |
| WHIP | D | 5000 |
| WKBW | C | 5000 |

[]
 a Cienfuegos, Cuba
 a Oklahoma City, Okla.
 z Hammond, Ind.
 a Buffalo, N. Y.

Box 205
 Biltmore Hotel
 137 Pochman Ave.
 Rand Bldg.

1490 kcs. (201.2 m.)

| | | |
|------|-----|-------|
| CMKQ | E | 1000 |
| KFBK | EKN | 10000 |
| WCKY | C | 50000 |
| XECH | ... | 250 |
| XEDR | ... | 100 |

[]
 z Santiago de Cuba
 a Sacramento, Calif.
 a Cincinnati, Ohio
 z Toluca, Mex.
 z Guaymas, Son.

Reparto Ciudadamar
 708 "I" St.
 Gibson Hotel

 Av. 15 No. 536

1500 kcs. (199.9 m.)

| | | |
|------|-----|----------|
| CJIC | F | 100 |
| CMOX | ... | 200 |
| KAWM | ... | 100 |
| KBIX | EM | 100 |
| KBKR | P | 100(.25) |
| KBST | M | 100 |
| KDAL | C | 100 |
| KDB | EM | 100(.25) |
| KDRO | ... | 100(.25) |
| KFDA | M | 100 |
| KGFI | ... | 100(.25) |
| KGKB | M | 250 |
| KGKY | ... | 250 |
| KNEL | D | 250 |
| KNOW | M | 250 |
| KOTN | D | 250 |
| KOVC | ... | 250 |
| KPAB | ... | 250 |
| KPLC | ... | 250 |
| KPLT | M | 250 |
| KPO | M | 250 |
| KRNR | M | 100(.25) |
| KROD | P | 100 |
| KSAL | XZ | 100(.25) |
| KSAM | D | 250 |
| KTOH | P | 100(.25) |
| KUTA | N | 100 |
| KVOE | M | 100 |
| KVWC | ... | 250 |
| KWEW | D | 100 |
| KXO | M | 100 |
| KYCA | P | 100(.25) |
| KYSM | EN | 250 |
| WCNW | Z | 100(.25) |
| WDAN | ... | 250 |
| WDNC | C | 250 |
| WGAL | N | 250 |
| WGIL | ... | 250 |
| WGKV | N | 100 |
| WGTC | DP | 250 |
| WHBB | ... | 100 |
| WJBK | ... | 250 |
| WKAT | ... | 250 |
| WKBR | C | 250 |
| WKBV | ... | 100(.25) |
| WKBZ | ... | 250 |
| WKEU | D | 100 |
| WRNY | DP | 100 |
| WMEX | XZ | 100(.25) |
| WMJM | P | 100(.25) |
| WMOG | P | 100(.25) |
| WNBK | C | 250 |
| WNLC | M | 100 |
| WOLF | P | 100 |
| WOMI | ... | 250 |
| WOPI | ... | 250 |

[]
 a Sault Ste. Marie, Ont.
 a Havana, Cuba
 a Gallup, N. Mex.
 a Muskogee, Okla.
 z Baker, Ore.
 a Big Spring, Texas
 a Duluth, Minn.
 a Santa Barbara, Calif.
 z Sedalia, Mo.
 z Amarillo, Texas
 z Brownsville, Texas
 a Tyler, Texas
 a Scottsbluff, Nebr.
 a Brady, Texas
 a Austin, Texas
 a Pine Bluff, Ark.
 a Valley City, N. Dak.
 a Laredo, Texas
 a Lake Charles, La.
 a Paris, Texas
 a Wenatchee, Wash.
 z Roseburg, Ore.
 z El Paso, Texas
 z Salina, Kans.
 z Huntsville, Texas
 z Lihue, Hawaii
 a Salt Lake City, Utah
 a Santa Ana, Calif.
 z Vernon, Texas
 z Hobbs, N. Mex.
 a El Centro, Calif.
 z Prescott, Ariz.
 a Mankato, Minn.
 a Brooklyn, N. Y.
 a Danville, Ill.
 a Durham, N. C.
 a Lancaster, Pa.
 z Galesburg, Ill.
 z Charleston, W. Va.
 z Greenville, N. C.
 a Selma, Ala.
 a Detroit, Mich.
 a Miami Beach, Fla.
 a Dubuque, Iowa
 a Richmond, Ind.
 a Muskegon, Mich.
 a Griffin, Ga.
 z Ulster Twp., N. Y.
 z Boston, Mass.
 z Cordele, Ga.
 z Brunswick, Ga.
 a Binghamton, N. Y.
 a New London, Conn.
 z Syracuse, N. Y.
 a Owensboro, Ky.
 a Bristol, Tenn.

Windsor Hotel
 10 entre 17 y 19 Vedado
 1100 E. Aztec Ave.
 Barnes Bldg.
 Louis P. Thornton
 Crawford Hotel
 Bradley Bldg.
 15 E. Haley St.
 2100 W. Broadway
 Amarillo Brcdstg. Corp.
 Eagle Brcdstg. Co., Inc.
 Tyler Commercial College Bldg.
 1517 1/2 Broadway
 Box 1077
 Norwood Bldg.
 Hotel Pines
 KOVC, Inc.
 Hamilton Hotel
 Gibraltar Hotel
 Majestic Hotel
 20 Second St.
 Umpqua Hotel Bldg.
 Dorrence D. Roderick
 Journal Building
 Sam Houston Brcdstg. Assn.
 Box 1748
 Utah Brcdstg. Co.
 Voice of the Orange Empire
 Northwestern Brcdstg. Co.
 W. E. Whitmore
 Box 140
 Southwest Brcdstg. Co.
 101 N. Second St.
 846 Flatbush Ave.
 Northwestern Pub. Co.
 Washington Duke Hotel
 8 W. King St.
 Hill Arcade Bldg.
 Kanawha Valley Brcdstg. Co.
 Greenville Brcdstg. Co.
 Box 26
 6559 Hamilton Ave.
 A. Frank Katzentine
 Sanders Bros. Radio Station
 Box 308
 Michigan Theater Bldg.
 906 Hill St.
 Kingston Brcdstg. Cor.
 Hotel Manger
 Cordele Dispatch Pub. Co.
 Coastal Brcdstg. Co.
 Arlington Hotel
 Mohician Hotel
 Civic Brcdstg. Corp.
 wensboro Brcdstg. Co.
 22nd and State

| | | |
|------|-----|----------|
| WRDW | C | 250 |
| WRGA | ... | 250 |
| WRTR | BXZ | 100 |
| WSTP | M | 250 |
| WSYB | M | 250 |
| WTMC | ... | 100 |
| WTMV | ... | 250 |
| WWRL | 2 | 100(.25) |
| WWSW | ... | 250 |
| XEQK | ... | 400 |

| | |
|---|--------------------|
| a | Augusta, Ga. |
| a | Rome, Ga. |
| a | Richmond, Va. |
| a | Salisbury, N. C. |
| a | Rutland, Vt. |
| z | Ocala, Fla. |
| a | E. St. Louis, Ill. |
| a | Woodside, N. Y. |
| a | Pittsburgh, Pa. |
| z | Mexico City, D. F. |

309 Eighth St.
10 Third Ave.
State-Planters Bank Bldg.
Piedmont Brdcastg. Corp.
Box 328
Jacksonville Highway
Miss. Valley Brdcastg. Co.
41-30-58th St.
Hotel Keystone
....

1510 kcs. (198.6 m.)

| | | |
|------|-----|-----|
| CFRC | F | 100 |
| CKCR | ... | 100 |

| | |
|---|----------------|
| a | Kingston, Ont. |
| a | Waterloo, Ont. |

Fleming Hall
24 King St.

1520 kcs. (197.3 m.)

| | | |
|-----|-----|------|
| TGW | ... | 5000 |
|-----|-----|------|

| | |
|---|-----------------------|
| e | Guatemala City, Guat. |
|---|-----------------------|

Radiodifusora Nacional

1530 kcs. (196 m.)

| | | |
|------|-----|------|
| CMC | ... | 200 |
| KITE | ... | 1000 |
| WBRY | CM | 1000 |

| | |
|---|------------------|
| z | Havana, Cuba |
| a | Kansas City, Mo. |
| a | Waterbury, Conn. |

Paseo de Marti 4
106 W. 14th St.
136 Grand St.

1550 kcs. (193.4 m.)

| | | |
|------|---|------|
| KPMC | M | 1000 |
| WQXR | X | 1000 |

| | |
|---|---------------------|
| a | Bakersfield, Calif. |
| a | New York, N. Y. |

730 Fifth Ave.
Pioneer Merchantile Co.

1560 kcs. (112.2 m.)

| | | |
|------|-----|------|
| CMBF | ... | 5000 |
|------|-----|------|

| | |
|---|--------------|
| z | Havana, Cuba |
|---|--------------|

Prado 159

1580 kcs. (189.8 m.)

| | | |
|------|-----|-----|
| CMRT | ... | 200 |
|------|-----|-----|

| | |
|---|--------------|
| z | Guines, Cuba |
|---|--------------|

Maximo Gomez 120

1600 kcs. (187.4 m.)

| | | |
|------|-----|------|
| CMBH | ... | 5000 |
|------|-----|------|

| | |
|---|--------------|
| e | Havana, Cuba |
|---|--------------|

San Miguel 570

MONROE, LA.—J. W. Cunningham: "The new cover on RADEX is a big improvement. Makes it look 100% better."

CHICAGO, ILL.—Fred Anderson, 5455 South Harper Avenue: "How many DXers would like to see these all night stations sign off the air? A few of these are WIND, WIP, CKLW, WEDC, WJBW, KFJZ, WNEW, WEVD, WEXL, and WNOC. I would like to hear from others who are in agreement with me on this matter. I'm wondering whether they could be persuaded to sign off earlier if enough DXers made the request."

ROCHESTER, N. Y.—Leon Grossman: "In the September issue, Gerald Harris sent in some information about the small networks and their

affiliated stations. Here are some more small networks: **Texas State Network**—KABC, KBST, KGNC, KRBC, KGKL, KRRV, KPLT, KCMC, KFRO, KGKB, WRR, KFJZ, KTAT, KAND, WACO, KTEM, KTBC, KRGV, KRIS, KLUF, KXYZ, and KRIC. Most of these stations are also Mutual Network affiliates. **New York State Broadcasting System**—WINS, WGR, WKBW, WSAY, WNBF, WIBX, WJTN, WABY, and WMBO. WINS is the key station. World's Fair chimes is the network station break signal. **Arrowhead System**—WEBC, WMFG, WHLB. The Arrowhead stations are all owned by the Head of the Lakes Company and WEBC is the key station. **United Broadcasting Company**—WHK, WCLE, and WHKC."

NOTES

Among many new communication sets receiving high acclaim are Hallcrafters "Skyrider Defiant SX-24" and "RME 69". With wide all-wave range because of band spread, gain control, selectivity switch, noise limiter, these radios both employ 9 sensitive tubes, have finger-tip hair-line tuning, may be obtained at lowest consistent prices through new RADEX READERS SHOPPING SERVICE.

Familiar pioneer name in television now becomes new name in radio receiver production. Farnsworth engineers announce fine new console and table models for 1940 having connections for future television and sound waves in ultra-high frequency spectrum.

Listeners interested in checking short-wave frequencies will find Browning Laboratories' and Howard's monitoring schemes welcome innovations. Former's visual frequency monitor and latter's unit built into latest communication radio provide means of checking amateur's signals as well as incoming stations'. DX short waves can be logged by frequency and always relocated any time with exactness.

Kite flying for elusive DX stations is a fact now that James Millen offers a 3-foot kite capable of supporting long, vertical, single-wire, effective-type aerial. Steady flying kites offer fine opportunities to serious DXers located in open country when winter winds blow all night.

Two phone signals at one point on the tuning dial results in senseless beat-note interference. Latest boon to radio listeners is Dr. Woodward's invention marketed by Millen as "Hetrofil", the device that rejects either interfering signal and thus eliminates audible beat notes. By

operating directly on audio output without tubes Hetrofil has all advantages of crystal in communication radios but works on any type receiver.

Short waves become more fascinating, but few all-wave sets go below 25 megacycles. RME's "Frequency Expander", ultra-high frequency converter, when used with supers will extend range of operation from 27 to 70 megacycles over one continuous band.

Most talk is about short waves, but users of superheterodynes who wish to extend operations below broadcast-band frequencies into the long waves for aviation, weather, commercial, uncertain foreign stations will find that RME's "Low-Frequency Expander," which drops from 600 kilocycles to 90, works nicely when the radio is set at 1500 kilocycles and tuned by the expander unit.

Signal amplification on short waves has long interested serious DXers. Preselectors are better understood; build up interference rejection as much as 50,000 times that of the radio receiver; increase gain on extremely weak DX signals by as much as 70 decibels. A decided boost in signal strength and sharper tuning follows use of preselectors no matter what kind of set is owned. Single-dial tuning by signal amplifier does the trick; some have own power supply; others drain lightly through a clip attached to receiver. RME, Browning, and others, offer new preselectors.

New radios for 1940 are many to choose from. Overlooking real business-like radios, something different for individual, and particularly juvenile use, is Stewart-Warner's "Dionne Quints" AC-DC radio with built-in antenna and 7-tube performance. Five famous faces feature first appearance in field of fancy radios.

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Frequency is given in kilocycles in second column. For power and network affiliations, refer to the list of North American stations by Frequencies.

| ALABAMA | |
|---------------|------|
| Aniston | |
| WHMA | 1420 |
| Birmingham | |
| WAFI | 1140 |
| WBBC | 930 |
| WBGH | 1310 |
| Doctur | |
| WMSL | 1370 |
| Dothan | |
| WAGF | 1370 |
| Gadsden | |
| WJBY | 1210 |
| Huntsville | |
| WBHP | 1200 |
| Mobile | |
| WALA | 1880 |
| WMOB | 1260 |
| Montgomery | |
| WCOV | 1210 |
| WSFA | 1410 |
| Selma | |
| WBHB | 1500 |
| Muscle Shoals | |
| City | |
| WMBD | 1420 |
| Tuscaloosa | |
| WJRD | 1200 |

| ALASKA | |
|-----------|------|
| Anchorage | |
| KPQD | 780 |
| Fairbanks | |
| KFAB | 610 |
| Juneau | |
| KINY | 1430 |
| Ketchikan | |
| KGBU | 900 |

| ARIZONA | |
|----------|------|
| Globe | |
| KWJB | 1210 |
| Jerome | |
| KCRJ | 1310 |
| Lowell | |
| KSUN | 1200 |
| Phoenix | |
| KOY | 1390 |
| KTAB | 630 |
| Prescott | |
| KYCA | 1500 |
| Safford | |
| KGLU | 1420 |
| Tucson | |
| KTUC | 1370 |
| KVOA | 1260 |
| Yuma | |
| KYUM | 1210 |

| ARKANSAS | |
|-------------|------|
| Blytheville | |
| KLCN | 1290 |

| El Dorado | |
|---------------|------|
| KELD | 1370 |
| Fort Smith | |
| KFPW | 1210 |
| Hot Springs | |
| KTHS | 1060 |
| KWFC | 1310 |
| Jonesboro | |
| KBTM | 1200 |
| Little Rock | |
| KARK | 890 |
| KGHI | 1200 |
| KLRA | 1390 |
| Pine Bluff | |
| KOTN | 1500 |
| Shoam Springs | |
| KUOA | 1260 |

| CALIFORNIA | |
|---------------|------|
| Bakersfield | |
| KERN | 1370 |
| KPMC | 1550 |
| Berkeley | |
| KRE | 1370 |
| Beverly Hills | |
| KMPC | 710 |
| Chico | |
| KHSL | 1260 |
| El Centro | |
| KXO | 1500 |
| Eureka | |
| KIEM | 1450 |
| Fresno | |
| KARM | 1310 |
| KMJ | 580 |
| Glendale | |
| KIEV | 850 |
| Long Beach | |
| KFOX | 1250 |
| KGER | 1350 |
| Los Angeles | |
| KBCA | 780 |
| KFAC | 1300 |
| KFI | 640 |
| KFSG | 1120 |
| KFVD | 1000 |
| KFPWB | 950 |
| KGFJ | 1200 |
| KHJ | 900 |
| KMTB | 870 |
| KNX | 1050 |
| KRKB | 1120 |
| Merced | |
| KYOS | 1040 |
| Modesto | |
| KTRB | 740 |
| Monterey | |
| KDON | 1310 |
| Oakland | |
| KLS | 1280 |
| KLX | 880 |
| KROW | 930 |
| Pasadena | |
| KPPC | 1310 |
| Redding | |
| KVCV | 1200 |
| Sacramento | |
| KFBK | 1490 |
| KROY | 1310 |

| San Bernardino | |
|-----------------|------|
| KFKM | 1210 |
| San Diego | |
| KFSD | 600 |
| KGB | 1350 |
| San Francisco | |
| KFRC | 610 |
| KGO | 790 |
| KJBS | 1070 |
| KPO | 680 |
| KSAN | 1420 |
| KSFO | 560 |
| KYA | 1230 |
| San Jose | |
| KQW | 1010 |
| San Luis Obispo | |
| KVEC | 1200 |
| Santa Ana | |
| KVOB | 1500 |
| Santa Barbara | |
| KDB | 1500 |
| KTMS | 1220 |
| Santa Rosa | |
| KRO | 1310 |
| Stockton | |
| KGDM | 1100 |
| KWG | 1200 |
| Visalia | |
| KTKC | 890 |
| Watsonville | |
| KHUB | 1310 |

| COLORADO | |
|------------------|------|
| Alamosa | |
| KGIW | 1420 |
| Colorado Springs | |
| KVOR | 1270 |
| Denver | |
| KFEL | 920 |
| KLZ | 560 |
| KMYR | 1310 |
| KOA | 880 |
| KPOF | 880 |
| KVOD | 630 |
| Durango | |
| KIUP | 1370 |
| Grand Junction | |
| KFXJ | 1200 |
| Greeley | |
| KPKA | 880 |
| La Junta | |
| KOKO | 1370 |
| Lamar | |
| KIDW | 1420 |
| Pueblo | |
| KGFH | 1320 |
| Sterling | |
| KGEK | 1200 |

| CONNECTICUT | |
|-------------|------|
| Bridgeport | |
| WICC | 600 |
| Hartford | |
| WDBC | 1380 |
| WTIC | 1040 |
| WTHT | 1200 |
| New Britain | |
| WNBC | 1380 |

| New Haven | |
|------------|------|
| WELI | 930 |
| New London | |
| WNLC | 1500 |
| Waterbury | |
| WATR | 1290 |
| WBRY | 1530 |

| DELAWARE | |
|------------|------|
| Wilmington | |
| WDEL | 1120 |
| WILM | 1420 |

| DISTRICT OF COLUMBIA | |
|----------------------|------|
| Washington | |
| WJSV | 1460 |
| WMAL | 630 |
| WOL | 1230 |
| WRC | 950 |

| FLORIDA | |
|-----------------|------|
| Daytona Beach | |
| WMEF | 1420 |
| Ft. Lauderdale | |
| WFTL | 1370 |
| Ft. Myers | |
| WFTM | 1210 |
| Gainesville | |
| WRUF | 830 |
| Jacksonville | |
| WJAX | 900 |
| WJHP | 1290 |
| WMBR | 1370 |
| Lakeland | |
| WLAK | 1310 |
| Miami | |
| WIOD | 610 |
| WMBF | 610 |
| WQAM | 560 |
| Miami Beach | |
| WKAT | 1500 |
| Ocala | |
| WTMC | 1500 |
| Orlando | |
| WDBO | 580 |
| Panama City | |
| WDLP | 1200 |
| Pensacola | |
| WCOA | 1340 |
| St. Augustine | |
| WFOY | 1210 |
| St. Petersburg | |
| WSUN | 620 |
| WTSP | 1370 |
| Sarasota | |
| WSPB | 1420 |
| Tallahassee | |
| WTAL | 1310 |
| Tampa | |
| WDAE | 1220 |
| WFLA | 620 |
| West Palm Beach | |
| WJNO | 1200 |

| Athens | |
|-------------|------|
| WGAU | 1310 |
| Atlanta | |
| WAGA | 1450 |
| WATL | 1370 |
| WMBI | 1080 |
| WGST | 890 |
| WSB | 740 |
| Augusta | |
| WRDW | 1500 |
| Brunswick | |
| WMOG | 1500 |
| Columbus | |
| WBRL | 1200 |
| Cordale | |
| WJMJ | 1500 |
| Griffin | |
| WKBU | 1500 |
| Macon | |
| WMAZ | 1150 |
| Moultrie | |
| WPGA | 1370 |
| Rome | |
| WRGA | 1500 |
| Savannah | |
| WSAV | 1310 |
| WTCC | 1260 |
| Thomasville | |
| WPAX | 1210 |
| Waycross | |
| WVYX | 1200 |

| HAWAII | |
|----------|------|
| Hilo | |
| KHBC | 1200 |
| Honolulu | |
| KGMB | 1320 |
| KGU | 780 |
| Lihue | |
| KTOH | 1500 |

| IDAHO | |
|-------------|------|
| Boise | |
| KIDO | 1350 |
| Idaho Falls | |
| KID | 1320 |
| Lawiston | |
| KRLC | 1390 |
| Nampa | |
| KFXD | 1200 |
| Pocatello | |
| KSEI | 900 |
| Twin Falls | |
| KTFI | 1240 |
| Wallace | |
| KWAL | 1420 |

| ILLINOIS | |
|-------------|------|
| Aurora | |
| WMRO | 1250 |
| Bloomington | |
| WJBC | 1200 |
| Carthage | |
| WCAZ | 1070 |
| Champaign | |
| WIDWS | 1370 |
| Chicago | |
| WAAF | 920 |
| WBBM | 770 |
| WCBD | 1080 |
| WCFL | 970 |
| WCRW | 3210 |

| GEORGIA | |
|---------|------|
| Albany | |
| WGBC | 1420 |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| | |
|----------------|------|
| WEDC | 1410 |
| WENR | 870 |
| WGES | 1380 |
| WGN | 720 |
| WJJD | 1130 |
| WLS | 870 |
| WMAQ | 670 |
| WMBI | 1080 |
| WSBC | 1310 |
| Cleero | |
| WHFC | 1420 |
| Danville | |
| WDAN | 1500 |
| Decatur | |
| WSOY | 1310 |
| East St. Louis | |
| WTM7 | 1500 |
| Galesburg | |
| WGIL | 1500 |
| Harrisburg | |
| WEBQ | 1210 |
| Herrin | |
| WJPF | 1310 |
| Joliet | |
| WCLS | 1310 |
| Peoria | |
| WMBD | 1440 |
| Quincy | |
| WTAD | 900 |
| Rockford | |
| WROK | 1410 |
| Rock Island | |
| WBBF | 1240 |
| Springfield | |
| WCBS | 1420 |
| WTAX | 1210 |
| Tuscola | |
| WDZ | 1020 |
| Urbana | |
| WILL | 680 |

INDIANA

| | |
|----------------|------|
| Anderson | |
| WBBU | 1210 |
| Eikhart | |
| WTRC | 1310 |
| Evansville | |
| WEOA | 1370 |
| WGFB | 380 |
| Fort Wayne | |
| WGL | 1370 |
| WOWO | 1160 |
| Gary | |
| WIND | 660 |
| Hammond | |
| WHIP | 1480 |
| WWAE | 1200 |
| Indianapolis | |
| WFBM | 1230 |
| WIBC | 1050 |
| WIRE | 1400 |
| Munele | |
| WLBC | 1310 |
| New Albany | |
| WGRC | 1370 |
| Richmond | |
| WKBV | 1500 |
| South Bend | |
| WFAM | 1200 |
| WSBT | 1360 |
| Terre Haute | |
| WBOW | 1310 |
| Vincennes | |
| WAOV | 1420 |
| West Lafayette | |
| WBAA | 890 |

IOWA

| | |
|--------------|------|
| Ames | |
| WOI | 640 |
| Boone | |
| KFGQ | 1370 |
| Cedar Rapids | |
| WMT | 600 |
| Davenport | |
| WOC | 1870 |
| Decorah | |
| KGCA | 1270 |
| KWLC | 1270 |
| Des Moines | |
| KRNT | 1320 |
| KSO | 1430 |
| WHO | 1000 |
| Dubuque | |
| KDTH | 1840 |
| WKBB | 1500 |
| Fort Dodge | |
| KVPD | 1370 |
| Iowa City | |
| WSUI | 880 |
| Marshalltown | |
| KFJB | 1300 |
| Mason City | |
| KGLO | 1210 |
| Shenandoah | |
| KFNF | 890 |
| KMA | 930 |
| Sioux City | |
| KSGJ | 1330 |
| KTHI | 1420 |

KANSAS

| | |
|-------------|------|
| Ablene | |
| KFBI | 1050 |
| Atholison | |
| KVAK | 1420 |
| Coffeyville | |
| KGGF | 1010 |
| Dodge City | |
| KGNO | 1340 |
| Emporia | |
| KTSW | 1370 |
| Garden City | |
| KIUL | 1210 |
| Great Bend | |
| KVGB | 1370 |
| Hutchinson | |
| KWBG | 1420 |
| Kansas City | |
| KCKN | 1310 |
| Lawrence | |
| KFKU | 1220 |
| WREN | 1220 |
| Manhattan | |
| KSAC | 580 |
| Pittsburg | |
| KOAM | 790 |
| Salina | |
| KSAL | 1500 |
| Topeka | |
| WIBW | 580 |
| Wichita | |
| KANS | 1210 |
| KFH | 1300 |

KENTUCKY

| | |
|---------------|------|
| Ashland | |
| WCMI | 1310 |
| Bowling Green | |
| WBLJ | 1310 |

| | |
|--------------|------|
| Hopkinsville | |
| WHOP | 1200 |
| Lexington | |
| WLAP | 1420 |
| Louisville | |
| WAVE | 940 |
| WHAS | 820 |
| WINN | 1210 |
| Owensboro | |
| WOMI | 1500 |
| Paducah | |
| WPAD | 1420 |

LOUISIANA

| | |
|--------------|------|
| Alexandria | |
| KALB | 1310 |
| Baton Rouge | |
| WJBO | 1120 |
| Lafayette | |
| KVOL | 1310 |
| Lake Charles | |
| KPLC | 1500 |
| Monroe | |
| KMLB | 1200 |
| New Orleans | |
| WDSU | 1250 |
| WJBW | 1200 |
| WNOE | 1420 |
| WSMB | 1320 |
| WWL | 850 |
| Shreveport | |
| KRMD | 1310 |
| KTBS | 1450 |
| KWKH | 1100 |

MAINE

| | |
|--------------|------|
| Augusta | |
| WRDO | 1370 |
| Bangor | |
| WABI | 1200 |
| WLBZ | 620 |
| Lewiston | |
| WCOU | 1310 |
| Portland | |
| WCSH | 940 |
| WGAN | 640 |
| Presque Isle | |
| WAGM | 1420 |

MARYLAND

| | |
|------------|------|
| Baltimore | |
| WBAL | 760 |
| WBAL | 1060 |
| WCAO | 600 |
| WCBM | 1370 |
| WFBR | 1270 |
| Cumberland | |
| WTBO | 800 |
| Frederick | |
| WFMD | 900 |
| Hagerstown | |
| WJET | 1110 |

MASSACHUSETTS

| | |
|--------|------|
| Boston | |
| WAAB | 1410 |
| WBZ | 990 |
| WCOP | 1120 |

| | |
|-------------|------|
| WEEI | 590 |
| WHDH | 830 |
| WMEX | 1500 |
| WNAC | 1230 |
| WORL | 920 |
| Fall River | |
| WSAB | 1450 |
| Greenfield | |
| WHAI | 1210 |
| Hyannis | |
| WOCB | 1210 |
| Lawrence | |
| WLaw | 680 |
| WLLH | 1370 |
| Lowell | |
| WILLH | 1370 |
| New Bedford | |
| WNLH | 1310 |
| Pittsfield | |
| WBRK | 1310 |
| Salem | |
| WESX | 1200 |
| Springfield | |
| WBEA | 990 |
| WMAS | 1420 |
| WSPR | 1140 |
| Worcester | |
| WORC | 1260 |
| WTAG | 580 |

MICHIGAN

| | |
|--------------|------|
| Battle Creek | |
| WELL | 1420 |
| Bay City | |
| WBCM | 1410 |
| Calumet | |
| WEDF | 1370 |
| Detroit | |
| WJBK | 1500 |
| WJR | 750 |
| WMBE | 1420 |
| WWJ | 920 |
| WXYZ | 1240 |
| East Lansing | |
| WKAR | 850 |
| Flint | |
| WFDF | 1310 |
| Grand Rapids | |
| WASH | 1270 |
| WOOD | 1270 |
| Ironwood | |
| WJMS | 1420 |
| Jackson | |
| WJIM | 1370 |
| Kalamazoo | |
| WKZO | 590 |
| Lansing | |
| WJIM | 1210 |
| Lapeer | |
| WMPF | 1200 |
| Marquette | |
| WDMJ | 1310 |
| Muskegon | |
| WKBE | 1500 |
| Pontiac | |
| WCAR | 1100 |
| Port Huron | |
| WHLS | 1370 |

| | |
|------------------|------|
| Royal Oak | |
| WEXL | 1310 |
| Saginaw | |
| WHAL | 950 |
| WSAM | 1200 |
| Sault Ste. Marie | |
| WSOO | 1200 |

MINNESOTA

| | |
|--------------|------|
| Albert Lea | |
| KATE | 1420 |
| Duluth | |
| KDAL | 1500 |
| WECB | 1290 |
| Fergus Falls | |
| KGDE | 1200 |
| Hibbing | |
| WMFG | 1210 |
| Mankato | |
| KYSM | 1500 |
| Minneapolis | |
| WCCO | 810 |
| WDGY | 1189 |
| WLB | 760 |
| WTGN | 1280 |
| Moorhead | |
| KVOX | 1310 |
| Northfield | |
| WCAL | 760 |
| Rochester | |
| KROC | 1310 |
| St. Cloud | |
| KFAM | 1420 |
| St. Paul | |
| KSTP | 1460 |
| WMLN | 1370 |
| Virginia | |
| WHLE | 1370 |
| Winona | |
| KWNO | 1200 |

MISSISSIPPI

| | |
|-------------|------|
| Greenville | |
| WTPR | 1310 |
| Grenada | |
| WGRM | 1210 |
| Gulfport | |
| WGCM | 1210 |
| Hattiesburg | |
| WFOE | 1370 |
| Jackson | |
| WJDX | 1270 |
| WSLI | 1420 |
| Laurel | |
| WAML | 1310 |
| McComb | |
| WSKB | 1200 |
| Meridian | |
| WCOC | 880 |
| Vicksburg | |
| WQBC | 1360 |

MISSOURI

| | |
|----------------|------|
| Cape Girardeau | |
| KFVS | 1210 |
| Columbia | |
| KFBZ | 630 |
| Jefferson City | |
| KWOS | 1310 |
| Joplin | |
| WMBH | 1420 |
| Kansas City | |
| KCMO | 1450 |
| KITE | 1530 |
| KMBC | 950 |
| WDAF | 610 |
| WHB | 860 |
| Poplar Bluff | |
| KWOC | 1310 |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

St. Joseph
 KFEQ 680
St. Louis
 KFUP 550
 KMOX 1090
 KSD 550
 KWK 1850
 KKOK 1250
 WEW 760
 WLL 1200
 Sedalla
 KDRO 1500
 Springfield
 KGBX 1230
 KWTO 560

MONTANA

Billings
 KGHL 780
 Bozeman
 KRBM 1420
 Butte
 KGIB 1840
 Great Falls
 KFBB 1280
 Helena
 KPFA 1210
 Kalispell
 KGEZ 1810
 Missoula
 KGVO 1280
 Wolf Point
 KGCX 1450

NEBRASKA

Fremont
 KORN 1370
 Grand Island
 KMMJ 740
 Hastings
 KHAS 1200
 Kearney
 KGFV 1810
 Lincoln
 KFAB 770
 KFOP 1210
 Norfolk
 WIAG 1060
 North Platte
 KGNF 1430
 Omaha
 KOIL 1260
 KOWH 860
 WOW 890
 Scottsbluff
 KGKY 1500

NEVADA

Reno
 KOH 1380

NEW HAMPSHIRE

Laconia
 WLNH 1810
 Manchester
 WFEA 1240
 Portsmouth
 WEBB 740

NEW JERSEY

Asbury Park
 WCAP 1280
Atlantic City
 WBAB 1200
 WPG 1100
 Bridgeton
 WSNJ 1210
Camden
 WCAM 1280
Jersey City
 WAAT 940
 WHOM 1450
Newark
 WBBI 1250
 WOR 710
Red Bank
 WBRB 1210
Trenton
 WTNJ 1280
Zarophath
 WAWZ 1350

NEW MEXICO

Albuquerque
 KGGM 1230
 KOB 1180
Carlsbad
 KLAH 1210
Clovis
 KICA 1370
Gallup
 KAWM 1500
Hobbs
 KWEW 1500
Roswell
 KGFL 1370
Santa Fe
 KVSE 1310

NEW YORK

Albany
 WABY 1370
 WOKO 1480
Auburn
 WMBO 1210
Binghamton
 WNBK 1500
Brooklyn
 WARD 1400
 WBBC 1400
 WBBE 1300
 WCNW 1500
 WYFW 1400
Buffalo
 WBEN 900
 WBNY 1370
 WEBE 1310
 WGR 550
 WKBW 1480
 WSVS 1370
Canton
 WCAD 1220
Elmira
 WENY 1200
 WESG 850
Freeport
 WGBB 1310
Jamestown
 WJTN 1210
Newburgh
 WGNV 1220

New York

WABC 860
 WBLL 1100
 WBNK 1280
 WBOQ 860
 WBEA 660
 WEVD 1300
 WHN 1010
 WINS 1180
 WJZ 760
 WLTH 1400
 WMCA 570
 WNEW 1280
 WNYC 810
 WOV 1120
 WQXR 1550
 Niagara Falls
 WHLD 1260
Ogdensburg
 WSLB 1370
Olean
 WHDL 1400
Plattsburg
 WMFF 1210
Poughkeepsie
 WKIP 1420
Rochester
 WHAM 1150
 WHEC 1430
 WSAV 1210
Saranac Lake
 WNBZ 1290
Soheneotady
 WGY 790
Syracuse
 WFBL 1360
 WOLF 1500
 WSYB 570
 WSYU 570
Troy
 WEAZ 1300
 WTRY 950
Utica
 WIBX 1200
Ulster Twp.
 WKNY 1500
White Plains
 WFAV 1210
Woodside
 WWEL 1500

NORTH CAROLINA

Asheville
 WISE 1370
 WWNC 870
Charlotte
 WBT 1080
 WSOC 1210
Durham
 WDNC 1500
Elizabeth City
 WCNC 1370
Fayetteville
 WFNC 1340
Gastonia
 WGNC 1420
Goldsbora
 WGBR 1370
Greensboro
 WBIG 1440
Greenville
 WCTC 1500
Hickory
 WHKY 1370
High Point
 WMFB 1200

Kinston
 WFTE 1200
Raleigh
 WPTE 680
 WRAL 1210
Rooky Mount
 WEED 1420
Salisbury
 WSTP 1500
Wilmington
 WMFD 1370
Wilson
 WGTM 1310
Winston-Salem
 WAIR 1250
 WWSJ 1310

NORTH DAKOTA

Bismarck
 KFVE 550
Devils Lake
 KDLR 1210
Fargo
 WDAY 940
Grand Forks
 KFJM 1410
Jamestown
 KRMC 1370
Mandan
 KGCU 1240
Minot
 KLEP 1360
Valley City
 KOVC 1500

OHIO

Akron
 WADC 1320
 WJW 1210
Ashtabula
 WICA 940
Canton
 WBHC 1200
Cincinnati
 WCKY 1490
 WCPO 1200
WKBO 550
WLW 700
WSAI 1330
WSXO 700
Cleveland
 WCLE 610
 WGAB 1450
 WHK 1390
 WTAM 1070
Columbus
 WBNS 1430
 WCOL 1210
 WHKC 640
 WOSU 570
Dayton
 WHIO 1260
 WING 1380
Lima
 WLOK 1210
Mansfield
 WMAN 1370
Portsmouth
 WPAY 1370
Toledo
 WSPD 1340
 WTOL 1200
Youngstown
 WFMJ 1420

WKBN 870
Zanesville
 WHIZ 1210

OKLAHOMA

Ada
 KADA 1300
Ardmore
 KVSQ 1210
Elk City
 KASA 1210
Enid
 KCBC 1360
Muskogee
 KBKX 1500
Norman
 WNAD 1010
Oklahoma City
 KOCY 1310
 KOMA 1480
 KTOK 1370
WKY 900
Okmulgee
 KHBG 1210
Ponca City
 WBBZ 1200
Shawnee
 KGFF 1420
Tulsa
 KOMA 1310
 KTUL 1400
KVOO 1140

OREGON

Astoria
 KAST 1200
Baker
 KBKR 1500
Bend
 KBND 1310
Corvallis
 KOAC 550
Eugene
 KORB 1420
Grants Pass
 KUIN 1310
Klamath Falls
 KFJI 1210
La Grande
 KLBH 1420
Marshfield
 KOOS 1200
Medford
 KMED 1410
Portland
 KALE 1300
 KBPS 1420
 KEX 1160
 KGW 690
 KOIN 940
 KWJZ 1040
 KXL 1420
Roseburg
 KRNE 1500
Salem
 KSLM 1360

Pennsylvania

Allentown
 WCBA 1440
 WSNL 1440
Altoona
 WFBG 1310
Easton
 WEST 1200

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| | |
|-----------------------|------|
| Erie | |
| WLEU | 1420 |
| Glenside | |
| WIBG | 970 |
| Greensburg | |
| WHJB | 620 |
| Grove City | |
| WSAJ | 1310 |
| Harrisburg | |
| WHP | 1480 |
| WKBO | 1300 |
| Hazleton | |
| WAZL | 1420 |
| Johnstown | |
| WJAC | 1370 |
| Lancaster | |
| WGAL | 1500 |
| New Castle | |
| WKST | 1250 |
| Philadelphia | |
| KYW | 1020 |
| WCAU | 1170 |
| WDAS | 1370 |
| WFIL | 560 |
| WHAT | 1310 |
| WIP | 610 |
| WPEN | 920 |
| WTEL | 1310 |
| Pittsburgh | |
| KDKA | 980 |
| KQV | 1330 |
| WCAB | 1220 |
| WJAS | 1290 |
| WWSW | 1500 |
| Reading | |
| WEEU | 830 |
| WBAW | 1310 |
| Soranton | |
| WGBI | 880 |
| WQAN | 880 |
| Sharon | |
| WPIC | 780 |
| Sunbury | |
| WKOK | 1210 |
| Uniontown | |
| WMBS | 1420 |
| Wilkes-Barre | |
| WBAX | 1210 |
| WBRE | 1310 |
| Williamsport | |
| WBAK | 1370 |
| York | |
| WORK | 1330 |
| PUERTO RICO | |
| Mayaguez | |
| WPRA | 1370 |
| Ponce | |
| WPAB | 1340 |
| WPRP | 1420 |
| San Juan | |
| WKAQ | 1340 |
| WNEL | 1290 |
| RHODE ISLAND | |
| Providence | |
| WEAN | 780 |
| WJAB | 890 |
| WPRO | 680 |
| SOUTH CAROLINA | |
| Anderson | |
| WAIM | 1300 |

| | |
|---------------------|------|
| Charleston | |
| WCSC | 1360 |
| WTMA | 1210 |
| Columbia | |
| WCOS | 1370 |
| WIS | 560 |
| Florence | |
| WOLS | 1200 |
| Greenville | |
| WFBC | 1300 |
| Spartanburg | |
| WHTR | 1370 |
| WSPA | 920 |
| Sumter | |
| WFIG | 1310 |
| SOUTH DAKOTA | |
| Aberdeen | |
| KABR | 1390 |
| Brookings | |
| KFDY | 780 |
| Pierre | |
| KGFX | 630 |
| Rapid City | |
| KOBH | 1370 |
| WCAT | 1300 |
| Sioux Falls | |
| KELO | 1300 |
| KSOO | 1110 |
| Vermillion | |
| KUSD | 890 |
| Watertown | |
| KWAT | 1210 |
| Yankton | |
| WNAX | 370 |
| TENNESSEE | |
| Bristol | |
| WOPI | 1500 |
| Chattanooga | |
| WAPO | 1420 |
| WDDO | 1280 |
| Cookeville | |
| WHUB | 1370 |
| Jackson | |
| WTJS | 1310 |
| Johnson City | |
| WJEL | 1300 |
| Knoxville | |
| WNOX | 1010 |
| WROL | 1210 |
| Memphis | |
| WEBQ | 1370 |
| WMC | 780 |
| WMPS | 1430 |
| WREC | 600 |
| Nashville | |
| WLAC | 1470 |
| WSIX | 1210 |
| WBM | 660 |
| TEXAS | |
| Ablene | |
| KRBC | 1420 |
| Amarillo | |
| KFDA | 1500 |
| KGNC | 1410 |
| Austin | |
| KNOW | 1500 |
| KTBC | 1130 |

| | |
|-----------------|-------|
| Beaumont | |
| KFDM | 860 |
| KRIC | 1420* |
| Big Spring | |
| KBST | 1500 |
| Brady | |
| KNEL | 1500 |
| Brownsville | |
| KGFI | 1500 |
| College Station | |
| WTAW | 1120 |
| Corpus Christi | |
| KRIS | 1330 |
| Corsicana | |
| KAND | 1310 |
| Dallas | |
| KRLD | 1040 |
| WFAA | 800 |
| WBB | 1280 |
| Denton | |
| KDNT | 1420 |
| Dublin | |
| KFPL | 1310 |
| El Paso | |
| KROD | 1500 |
| KTSM | 1310 |
| WDAH | 1310 |
| Fort Worth | |
| KFJZ | 1240 |
| KGKO | 870 |
| WBAP | 800 |
| Galveston | |
| KLUF | 1370 |
| Houston | |
| KPRC | 920 |
| KTRH | 1290 |
| KXYZ | 1440 |
| Huntsville | |
| KSAM | 1500 |
| Kilgore | |
| KOCA | 1210 |
| Laredo | |
| KPAB | 1500 |
| Longview | |
| KFRD | 1370 |
| Lubbock | |
| KFTO | 1310 |
| Lufkin | |
| KRBA | 1310 |
| Midland | |
| KRLH | 1420 |
| Palatino | |
| KNEI | 1420 |
| Pampa | |
| KPDN | 1310 |
| Paris | |
| KPLT | 1500 |
| Pecos | |
| KIUN | 1370 |
| Plainview | |
| KWBD | 1200 |
| Fort Arthur | |
| KPAC | 1260 |
| San Angelo | |
| KGKL | 1370 |
| San Antonio | |
| KABC | 1420 |
| KMAC | 1370 |
| KONO | 1370 |
| KTSA | 550 |
| WOAI | 1190 |
| Sherman | |
| KREY | 1310 |
| Sweetwater | |
| KXOX | 1210 |
| Temple | |
| KTEM | 1370 |

| | |
|-----------------|------|
| Texasarkana | |
| KCMC | 1420 |
| Tyler | |
| KGKB | 1500 |
| Vernon | |
| KVVO | 1500 |
| Victoria | |
| KVIC | 1310 |
| Waco | |
| WACO | 1420 |
| Weslaco | |
| KRGV | 1260 |
| Wichita Falls | |
| KWFT | 620 |
| UTAH | |
| Cedar City | |
| KSUB | 1310 |
| Logan | |
| KVNU | 1200 |
| Ogden | |
| KLO | 1400 |
| Price | |
| KEUB | 1420 |
| Provo | |
| KOVO | 1310 |
| Salt Lake City | |
| KDXL | 1290 |
| KSL | 1130 |
| KUTA | 1500 |
| VERMONT | |
| Burlington | |
| WCAX | 1200 |
| Rutland | |
| WSB | 1500 |
| St. Albans | |
| WQDM | 1390 |
| Springfield | |
| WNEX | 1260 |
| Waterbury | |
| WDEY | 550 |
| VIRGINIA | |
| Charlottesville | |
| WCHV | 1420 |
| Danville | |
| WBTV | 1370 |
| Fredericksburg | |
| WFA | 1260 |
| Harrisonburg | |
| WSVA | 550 |
| Lynchburg | |
| WLVA | 1200 |
| Newport News | |
| WGH | 1310 |
| Norfolk | |
| WTAR | 780 |
| Petersburg | |
| WPID | 1210 |
| Ridhmond | |
| WBBL | 1210 |
| WMBG | 1350 |
| WRNL | 830 |
| WRFD | 1500 |
| WRVA | 1110 |
| Roanoke | |
| WDBJ | 930 |
| Suffolk | |
| WLPN | 1420 |

| | |
|----------------------|------|
| WASHINGTON | |
| Aberdeen | |
| KXRO | 1310 |
| Bellingham | |
| KVOS | 1200 |
| Centralia | |
| KELA | 1440 |
| Everett | |
| KRKO | 1370 |
| Longview | |
| KWLK | 780 |
| Olympia | |
| KGY | 1210 |
| Pullman | |
| KWSC | 1220 |
| Seattle | |
| KEEN | 1370 |
| KIRO | 710 |
| KJR | 970 |
| KOL | 1270 |
| KOMO | 820 |
| KRSC | 1130 |
| KTW | 1220 |
| KXA | 760 |
| Spokane | |
| KFIO | 1120 |
| KFPY | 870 |
| KGA | 1490 |
| KHQ | 590 |
| Taoma | |
| KMO | 1380 |
| KVI | 670 |
| Vancouver | |
| KVAN | 880 |
| Walla Walla | |
| KUJ | 1370 |
| Wenatchee | |
| KPQ | 1500 |
| Yakima | |
| KIT | 1250 |
| WEST VIRGINIA | |
| Beekley | |
| WJLS | 1210 |
| Bluefield | |
| WHIS | 1410 |
| Charleston | |
| WCBS | 580 |
| WGKV | 1500 |
| Clarksburg | |
| WBLK | 1370 |
| Fairmont | |
| WMMN | 890 |
| Huntington | |
| WSAZ | 1190 |
| Parkersburg | |
| WEAB | 1420 |
| Wheeling | |
| WWVA | 1160 |
| Williamson | |
| WBTH | 1370 |
| WISCONSIN | |
| Ashland | |
| WATA | 1370 |
| Eau Claire | |
| WEAU | 1050 |
| Fond du Lac | |
| KFIZ | 1420 |
| Green Bay | |
| WBAY | 1260 |
| WTAQ | 1330 |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| | |
|------------|------|
| Janesville | |
| WCLO | 1200 |
| LaCrosse | |
| WKBH | 1380 |
| Madison | |
| WHA | 940 |
| WIBA | 1280 |
| Manitowoc | |
| WOMT | 1210 |
| Marinette | |
| WMAM | 570 |
| Milwaukee | |
| WEMP | 1310 |
| WISN | 1130 |
| WTMJ | 630 |

| | |
|---------------|------|
| Paynette | |
| WBUR | 1310 |
| Racine | |
| WBJN | 1370 |
| Rice Lake | |
| WJAC | 1210 |
| Sheboygan | |
| WBBL | 1300 |
| Stevens Point | |
| WLBL | 900 |
| Superior | |
| WDSM | 1200 |
| Wausau | |
| WSAU | 1370 |

WYOMING

| | |
|--------------|------|
| Casper | |
| KDFN | 1440 |
| Rock Springs | |
| KVBS | 1370 |
| Sheridan | |
| KWYO | 1370 |

BAHAMAS

| | |
|--------|-----|
| Nassau | |
| ZNS | 790 |

CANADA ALBERTA

| | |
|----------------|------|
| Calgary | |
| CFAC | 980 |
| CFCN | 1030 |
| CJCF | 690 |
| Edmonton | |
| CFRN | 960 |
| CFCA | 730 |
| CKUA | 530 |
| Grande Prairie | |
| CFGP | 1200 |
| Lethbridge | |
| CJOC | 1210 |

BRITISH COLUMBIA

| | |
|---------------|------|
| Chilliwack | |
| CHWK | 780 |
| Kamloops | |
| CFJC | 880 |
| Kelowna | |
| CKOV | 630 |
| Nelson | |
| CKLN | 1420 |
| Prince Rupert | |
| CFPR | 590 |

| | |
|-----------|------|
| Trail | |
| CIAT | 910 |
| Vancouver | |
| CBB | 1100 |
| CJOB | 600 |
| CKOD | 1010 |
| CKFC | 1410 |
| CKMO | 1410 |
| CKWX | 1010 |
| Victoria | |
| CFCT | 1450 |

MANITOBA

| | |
|-----------|------|
| Brandon | |
| CKX | 1130 |
| Flin Flon | |
| CFAB | 1370 |
| Winnipeg | |
| CJRC | 680 |
| CKY | 910 |

NEW BRUNSWICK

| | |
|-------------|------|
| Campbellton | |
| CKNB | 1210 |
| Fredericton | |
| CFNB | 550 |
| Monoton | |
| CKCW | 1370 |
| Sookville | |
| CBA | 1050 |
| St. John | |
| CHSJ | 1120 |

NOVA SCOTIA

| | |
|-----------|------|
| Glace Bay | |
| VAS | 685 |
| Halifax | |
| CHNS | 330 |
| Sydney | |
| CJCB | 1240 |
| Wolfville | |
| CKIC | 1010 |
| Yarmouth | |
| CJLS | 1310 |

ONTARIO

| | |
|---------------|------|
| Brantford | |
| CKPC | 930 |
| Chatham | |
| CFCO | 630 |
| Cobalt | |
| CKKO | 1210 |
| Fort William | |
| CKPB | 530 |
| Hamilton | |
| CHML | 1010 |
| CKOC | 1130 |
| Kenora | |
| CKCA | 1420 |
| Kingston | |
| CFBC | 1510 |
| Kirkland Lake | |
| CJKL | 1310 |
| London | |
| CFPL | 730 |
| North Bay | |
| CFCH | 930 |
| Ottawa | |
| CBO | 830 |
| CKCO | 1010 |

| | |
|------------------|------|
| Owen Sound | |
| CFOS | 1370 |
| Prescott | |
| CFBC | 930 |
| St. Catharines | |
| CKTB | 1200 |
| Sault Ste. Marie | |
| CJIC | 1500 |
| Stratford | |
| CJCS | 1210 |
| Sudbury | |
| CKSO | 730 |
| Timmins | |
| CKGB | 1440 |
| Toronto | |
| CKL | 840 |
| CKBY | 1420 |
| CFBB | 690 |
| CKCL | 530 |
| Waterloo | |
| CKCB | 1510 |
| Windsor | |
| CKLW | 1030 |
| Wingham | |
| CKNX | 1200 |

PRINCE EDWARD ISLAND

| | |
|---------------|------|
| Charlottetown | |
| CFCY | 530 |
| CHCK | 1310 |
| Summerside | |
| CHGS | 1450 |

QUEBEC

| | |
|--------------------------|------|
| Chicoutimi | |
| CBJ | 1130 |
| Hull | |
| CKCH | 1210 |
| Montreal | |
| CBF | 910 |
| CBM | 900 |
| CFCF | 600 |
| CHLP | 1130 |
| CKAC | 730 |
| New Carlisle | |
| CHNC | 610 |
| Quebec | |
| CHBC | 530 |
| CKCY | 1210 |
| CBV | 950 |
| Rimouski | |
| CJBR | 1030 |
| Rouyn | |
| CKRN | 1370 |
| St. Anne de la Peschiere | |
| CHGB | 1200 |
| Sherbrooke | |
| CHLT | 1210 |
| Three Rivers | |
| CHLN | 1420 |
| Val d'Or | |
| CKVD | 1200 |

SASKATCH- EWAN

| | |
|---------------|------|
| Moose Jaw | |
| CHAB | 1200 |
| Prince Albert | |
| CKBI | 1210 |
| Regina | |
| CJRM | 950 |
| CKCK | 1010 |

| | |
|-----------|------|
| Saskatoon | |
| CFQC | 600 |
| Watrous | |
| CKB | 540 |
| Yorkton | |
| CJGK | 1430 |

COSTA RICA

| | |
|----------|------|
| Aiajuela | |
| TIGV | 575 |
| San Jose | |
| TIAPB | 900 |
| TIEMC | 860 |
| TIETP | 830 |
| TIFA | 1000 |
| TIGH | 690 |
| TIGPH | 690 |
| TIGPH2 | 1225 |
| TTHO | 1030 |
| TLJ | 775 |
| TLB | 830 |
| TINBC | 1070 |
| TING | 750 |
| TIOS | 940 |
| TIIP | 625 |
| TIRCC | 1200 |
| TIRS | 920 |
| TIKD | 800 |

CUBA

| | |
|----------------|------|
| Banes | |
| CMKX | 1190 |
| Bayamo | |
| CMKL | 950 |
| Caibarien | |
| CMHD | 1270 |
| Camaguey | |
| CMJA | 860 |
| CMJC | 1390 |
| CMJE | 1230 |
| CMJF | 920 |
| CMJK | 1020 |
| CMJW | 1070 |
| CMJX | 660 |
| Cardenas | |
| CMGE | 1370 |
| Ciego de Avila | |
| CMJH | 1360 |
| CMJI | 1130 |
| CMJO | 1260 |
| Cienfuegos | |
| CMHJ | 1160 |
| CMHM | 1450 |
| CMHX | 1480 |
| Cruces | |
| CMHK | 1210 |
| Guantanamo | |
| CMKS | 710 |
| Guines | |
| CMRT | 1530 |
| Havana | |
| CMBC | 690 |
| CMBD | 1260 |
| CMBF | 1360 |
| CMBG | 1140 |
| CMBH | 1600 |
| CMBL | 750 |
| CMBQ | 910 |
| CMBS | 1170 |
| CMBX | 1030 |
| CMBY | 1440 |
| CMBZ | 940 |
| CMC | 1530 |
| CMCA | 1350 |
| CMCB | 1230 |

| | |
|-----------------|------|
| CMCD | 630 |
| CMCF | 810 |
| CMCG | 1290 |
| CMCH | 1030 |
| CMCJ | 1110 |
| CMCK | 970 |
| CMCL | 730 |
| CMCM | 850 |
| CMCO | 1200 |
| CMCQ | 1410 |
| CMCU | 1010 |
| CMCV | 1320 |
| CMCW | 1330 |
| CMCX | 1470 |
| CMCY | 570 |
| CMK | 720 |
| CMQA | 660 |
| CMQX | 1500 |
| CMQ | 730 |
| CMW | 550 |
| CMX | 830 |
| CMZ | 920 |
| Holguin | |
| CMKF | 1460 |
| CMKO | 1230 |
| Manzanillo | |
| CMKE | 1310 |
| CMKM | 1030 |
| Matanzas | |
| CMGF | 1130 |
| CMGH | 710 |
| Moron | |
| CMJP | 1430 |
| Palma Soriano | |
| CMKZ | 1430 |
| Pinar del Rio | |
| CMAB | 1240 |
| CMAR | 1400 |
| Placetas | |
| CMHP | 1100 |
| Sagua la Grande | |
| CMHA | 1090 |
| CMHO | 1020 |
| Sancti Spiritus | |
| CMHB | 1240 |
| Santa Clara | |
| CMHI | 830 |
| CMHW | 630 |
| Santiago | |
| CMKC | 1230 |
| CMKD | 910 |
| CMKG | 1000 |
| CMKQ | 1490 |
| CMKE | 1400 |
| CMKW | 1030 |
| CMKY | 960 |
| Trinidad | |
| CMBT | 920 |

DOMINICAN REPUBLIC

| | |
|-----------------|------|
| Ciudad Trujillo | |
| HIG | 900 |
| HDN | 1090 |
| HIX | 890 |
| HIT | 1030 |
| HLZ | 1370 |
| HLRQ | 1470 |

EL SALVADOR

| | |
|--------------|-----|
| San Salvador | |
| YSB | 640 |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| | | | | | | |
|------------------------|--|-------------------------|-------------------|---------------------|------------------------|------------------------|
| GUATEMALA | | XEBW 1340 | XERH 1430 | OAXACA | | Tempico |
| Guatemala City | | XEFI 1440 | XGSM 1270 | Oaxaca | XECA 1230 | XEAG 1310 |
| TGW 1520 | | XEM 1390 | XEW 899 | XEXH 1150 | XEFW 1310 | XBS 990 |
| TGX 1409 | | Juarez | XEXX 1170 | PUEBLA | | |
| TGI 1810 | | XEF 1450 | DURANGO | | | |
| Quezaltenango | | XEFV 1210 | Durango | XEBP 1150 | Puebla | XEBJ 1340 |
| TGQ 1460 | | XEJ 1020 | XEE 1310 | XETH 1210 | VERACRUZ | |
| HONDURAS | | XEP 1160 | GUANAJUATO | | | |
| Tegucigalpa | | Parral | Irapuato | XEBO 1310 | San Luis Potosi | |
| HN 1450 | | COAHUILA | Leon | XEFM 1160 | XECZ 1870 | San Luis Potosi |
| MEXICO | | Piedras Negras | XEKL 1240 | Sinaloa | Minatitlan | |
| Aguascalientes | | XEMU 580 | Silao | Mazatlan | XEDW 1150 | Veracruz |
| Aguascalientes | | XEPN 730 | XEWE 720 | XEBL 1220 | XETF 1220 | XEU 1010 |
| XEAD 1240 | | Sabinas | JALISCO | | | |
| XEBI 1000 | | XEBX 640 | Guadalajara | Cananea | YUCATAN | |
| BAJA CALIFORNIA | | Saltilla | XED 1160 | XEFQ 1010 | Merida | XEFC 1340 |
| Mexicali | | XEAS 1160 | XEHK 1230 | Guaymas | XEMB 1240 | XEZ 630 |
| XEAA 750 | | XEKS 1240 | XELW 1340 | XEDR 1490 | MIQUELON | |
| XEAO 660 | | Torreón | Guzmán | Hermosillo | St. Pierre | FNQ 609 |
| XECL 1110 | | XEDE 1400 | XEBA 1080 | XEBH 939 | NEWFOUNDLAND | |
| Tijuana | | XETB 1310 | MEXICO | | | |
| XEAC 950 | | Villa Ahuana | Texcoco | XEBJ 939 | St. John's | VOAC 1065 |
| XEAU 1310 | | XEDH 1340 | XEXE 1270 | Navjoa | VOAR 950 | VOCM 1040 |
| XEBG 820 | | XERA 840 | XECH 1490 | XEAJ 1406 | VOGY 840 | VONF 640 |
| XEC 1150 | | DISTRITO FEDERAL | XECH 1490 | XEDL 1240 | VOWE 700 | PANAMA |
| XELO 670 | | Mexico City | MICHOACAN | Nogales | Colon | HOK 640 |
| XEMO 960 | | XEAI 1250 | Morelia | XEAF 990 | | |
| XERB 1090 | | XEB 1030 | XEBC 1240 | Obregon | | |
| CAMPECHE | | XEBZ 810 | XEI 1870 | XEPG 1340 | | |
| Campeche | | XEDA 1220 | NUEVO LEON | | | |
| XEA 1400 | | XEDP 1080 | Monterrey | Matamoros | | |
| CHIHUAHUA | | XEFO 940 | XEFB 870 | Nuevo Laredo | | |
| Chihuahua | | XEFP 1180 | XEG 1230 | XEBK 1050 | | |
| XEBU 1240 | | XEK 990 | XEH 740 | XEDF 810 | | |
| | | XEKR 1230 | XET 690 | XEFE 950 | | |
| | | XEL 1150 | XEX 1810 | XENT 910 | | |
| | | XELZ 1370 | | Reynosa | | |
| | | XEN 780 | | XEAW 960 | | |
| | | XEQ 730 | | | | |
| | | XEQK 1500 | | | | |
| | | XERC 830 | | | | |

Radexing With the Radexers

(Continued from page 15)

formation of this department as those to whom items are individually credited. A few belated credits to: Leon Grossman, R1330, Rochester, N. Y., Richard Wright Chicago, IL, Nicolas Evangelista, R557, W. Hamburg, Penna., Robert Morris, R1362, Bill Flechenstein, R1565, Sharon, Penna., Frank Susorney, E. Chicago, Ind., Bill Stoddard, R1105, Belmont, Mass., Lawrence Swanson, R1540, Detroit, Mich., M. Heemstra, Detroit, Mich., Carl Sylvester, R36, Mich.1, Columbiaville, Mich., W. H. Ryan, R1555,

Port Huron, Mich., William Gilmer, R1457, Portsmouth, Ohio, Martin Lewis, R929, Port Washington, N. Y.



Printed in light blue, dark blue and gold, this QSL card from YV5RJ confirms Jim Walker's reception of that station. YV5RJ is located in Caracas, Venezuela.

NORTH AMERICAN B. C. STATION BY CALL LETTERS

*For power and network affiliations, see
the list of stations by frequencies.*

The space under the call letters may
be used for logging or checking.

| | | | | | |
|-----------|-----------|-----------|-----------|-----------|------------|
| CBA 1050 | CHGB 1200 | CKCL 580 | CMBL 750 | CMHJ 1160 | CMBG 1140 |
| CBF 910 | CHGS 1450 | CKCO 1010 | CMBQ 910 | CMHK 1210 | CMBH 1600 |
| CBJ 1120 | CHLN 1420 | CKCR 1510 | CMBS 1170 | CMHM 1450 | CMKW 1030 |
| CBK 540 | CHLP 1120 | CKCV 1310 | CMBX 1080 | CMHO 1020 | CMKX 1190 |
| CBL 840 | CHLT 1210 | CKCW 1370 | CMBY 1440 | CMHP 1100 | CMKY 960 |
| CBM 960 | CHML 1010 | CKFC 1410 | CMBZ 940 | CMHT 920 | CMKZ 1430 |
| CBO 880 | CHNC 610 | CKGB 1440 | CMC 1530 | CMHW 680 | CMOA 660 |
| CBR 1100 | CHNS 930 | CKIC 1010 | CMCA 1350 | CMHX 1480 | CMOX 1500 |
| CBV 950 | CHRC 580 | CKLN 1420 | CMCB 1230 | CMJA 860 | CMQ 780 |
| CBY 1420 | CHSJ 1120 | CKLW 1030 | CMCD 630 | CMJC 1390 | CMW 550 |
| CFAC 930 | CHWK 780 | CKMC 1210 | CMCF 810 | CMJE 1230 | CMX 880 |
| CFAR 1370 | CJAT 910 | CKMO 1410 | CMCG 1290 | CMJF 930 | CMZ 920 |
| CFCF 600 | CJBR 1030 | CKNB 1210 | CMCJ 1110 | CMJH 1360 | CM9RT 1580 |
| CFCH 930 | CJCA 730 | CKNX 1200 | CMCH 1050 | CMJI 1130 | FQN 609 |
| CFCN 1030 | CJCB 1240 | CKOC 1120 | CMCK 970 | CMJK 1020 | HIG 900 |
| CFCO 630 | CJCJ 699 | CKOV 630 | CMCL 730 | CMJO 1260 | HIN 1090 |
| CFCT 1450 | CJCS 1210 | CKPC 930 | CMCM 850 | CMJP 1420 | HIT 1050 |
| CFCY 630 | CJGX 1430 | CKPR 580 | CMCO 1200 | CMJW 1070 | HIX 800 |
| CFGP 1200 | CJIC 1500 | CKRN 1370 | CMCQ 1410 | CMJX 660 | HIZ 1370 |
| CFJC 880 | CJKL 1310 | CKSO 780 | CMCR 1320 | CMK 720 | H18Q 1470 |
| CFLC 930 | CJLS 1310 | CKTB 1200 | CMCU 1010 | CMKC 1250 | HOK 640 |
| CFNB 550 | CJOC 1210 | CKUA 580 | CMCW 1380 | CMKD 910 | HRN 1450 |
| CFOS 1370 | CJOR 600 | CKVD 1200 | CMCX 1470 | CMKE 1310 | KABC 1420 |
| CFPL 730 | CJRC 630 | CKWX 1010 | CMCY 590 | CMKF 1460 | KABR 1390 |
| CFPR 580 | CJRM 950 | CKX 1120 | CMGE 1370 | CMKG 1000 | KADA 1200 |
| CFQC 600 | CKAC 730 | CKY 910 | CMGF 1120 | CMKL 950 | KALB 1210 |
| CFRB 690 | CKBI 1210 | CMAB 1240 | CMGH 710 | CMKM 1080 | KALE 1300 |
| CFRC 1510 | CKCA 1420 | CMAR 1400 | CMHA 1090 | CMKO 1280 | KAND 1310 |
| CFRN 960 | CKCD 1010 | CMBC 690 | CMHB 1240 | CMKQ 1490 | KANS 1210 |
| CHAB 1200 | CKCH 1210 | CMBD 1260 | CMHD 1270 | CMKR 1400 | KARK 890 |
| CHCK 1310 | CKCK 1010 | CMBF 1560 | CMHI 830 | CMKS 710 | KARM 1310 |

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|-----------|-----------|-----------|-----------|-----------|-----------|
| KASA 1210 | KFAC 1300 | KFUO 550 | KGKB 1500 | KIUP 1370 | KOCA 1210 |
| KAST 1200 | KFAM 1420 | KFYD 1000 | KGKL 1370 | KJBS 1070 | KOCY 1310 |
| KATE 1420 | KFAR 610 | KFVS 1210 | KGKO 570 | KJR 970 | KOH 1380 |
| KAWM 1500 | KFBB 1280 | KFWB 950 | KGKY 1500 | KLAH 1210 | KOIL 1260 |
| KBIX 1500 | KFBI 1050 | KFXD 1200 | KGLO 1210 | KLBM 1420 | KOIN 940 |
| KBKR 1500 | KFBK 1490 | KFXJ 1200 | KGLU 1420 | KLCN 1290 | KOKO 1370 |
| KBND 1310 | KFDA 1500 | KFXM 1210 | KGMB 1320 | KLO 1400 | KOL 1270 |
| KBPS 1420 | KFDM 560 | KFYO 1310 | KGNC 1410 | KLPM 1360 | KOMA 1480 |
| KBST 1500 | KFDY 780 | KFYR 550 | KGNF 1430 | KLRA 1390 | KOME 1310 |
| KBTM 1200 | KFEL 920 | KGA 1470 | KGNO 1340 | KLS 1280 | KOMO 920 |
| KCKN 1310 | KFEQ 680 | KGB 1330 | KGO 790 | KLUF 1370 | KONO 1370 |
| KCMC 1420 | KFGQ 1370 | KGBU 900 | KGU 750 | KLX 880 | KOOS 1200 |
| KCMO 1450 | KFH 1300 | KGBX 1230 | KGVO 1260 | KLZ 560 | KORE 1420 |
| KCRC 1360 | KFI 640 | KGCA 1270 | KGW 620 | KMA 930 | KORN 1370 |
| KCRJ 1310 | KFIO 1120 | KGCU 1240 | KGY 1210 | KMAC 1370 | KOTN 1500 |
| KDAL 1500 | KFIZ 1420 | KGCS 1450 | KHAS 1200 | KMBC 950 | KOVC 1500 |
| KDB 1500 | KFJB 1200 | KGDE 1200 | KHBC 1200 | KMED 1410 | KOVO 1210 |
| KDFN 1440 | KFJI 1210 | KGDM 1100 | KHBG 1210 | KMJ 580 | KOWH 660 |
| KDKA 980 | KFJM 1410 | KGEK 1200 | KHJ 900 | KMLB 1200 | KOY 1390 |
| KDLR 1210 | KFJZ 1240 | KGER 1360 | KHQ 590 | KMMJ 740 | KPAB 1500 |
| KDNT 1420 | KFKA 880 | KGEZ 1310 | KHSL 1260 | KMO 1330 | KPAC 1260 |
| KDON 1210 | KFKU 1220 | KGFF 1420 | KHUB 1310 | KMOX 1090 | KPDN 1310 |
| KDRO 1500 | KFNF 890 | KGFI 1500 | KICA 1370 | KMPC 710 | KPFA 1210 |
| KDTH 1340 | KFOR 1210 | KGFI 1200 | KID 1320 | KMTR 570 | KPFT 1210 |
| KDYL 1290 | KFOX 1250 | KGFL 1370 | KIDO 1350 | KMYR 1310 | KPLC 1500 |
| KECA 780 | KFPL 1310 | KGFW 1310 | KIDW 1420 | KNEL 1500 | KPLT 1500 |
| KEEN 1370 | KFPW 1210 | KGFX 630 | KIEM 1450 | KNET 1420 | KPMC 1550 |
| KELA 1440 | KFPY 890 | KGGF 1010 | KIEV 850 | KNOW 1500 | KPO 680 |
| KELD 1370 | KFQD 780 | KGGM 1230 | KINY 1430 | KNX 1050 | KPOF 880 |
| KELO 1200 | KFRC 610 | KGHF 1320 | KIRO 710 | KOA 830 | KPPC 1210 |
| KERN 1370 | KFRO 1370 | KGHI 1200 | KIT 1250 | KOAC 550 | KPQ 1500 |
| KEUB 1420 | KFRU 630 | KGHL 780 | KITE 1530 | KOAM 790 | KPRC 920 |
| KEX 1160 | KFSD 600 | KGIR 1340 | KIUL 1210 | KOB 1180 | KQV 1380 |
| KFAB 770 | KFSG 1120 | KGIW 1420 | KIUN 1370 | KOBH 1370 | KQW 1010 |

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|-----------|-----------|-----------|-------------|------------|-----------|
| KRBA 1310 | KSRO 1310 | KVI 570 | KWYO 1370 | TIXD 800 | WAWZ 1950 |
| KRBC 1420 | KSTP 1460 | KVIC 1310 | KXA 760 | TI4NRH 725 | WAYX 1200 |
| KRBM 1420 | KSUB 1310 | KVNU 1200 | KXL 1420 | TI5CV 575 | WAZL 1420 |
| KRE 1370 | KSUN 1200 | KVOA 1260 | KXO 1500 | VAS 685 | WBAA 890 |
| KRGV 1260 | KTAR 620 | KVOD 630 | KXOK 1250 | VOCM 1040 | WBAB 1209 |
| KRIC 1420 | KTBC 1120 | KVOE 1500 | KXOX 1210 | VONF 640 | WBAL 760 |
| KRIS 1330 | KTBS 1450 | KVOL 1310 | KXRO 1310 | VOGY 840 | WBAL 1060 |
| KRKD 1120 | KTEM 1370 | KVOO 1140 | KXYZ 1440 | VOAC 1065 | WBAP 800 |
| KRKO 1370 | KTFI 1240 | KVOR 1270 | KYA 1230 | VOAR 950 | WBAX 1210 |
| KRLC 1390 | KTHS 1060 | KVOS 1200 | KYCA 1500 | VOWR 700 | WBBC 1400 |
| KRLD 1040 | KTKC 890 | KVOX 1310 | KYOS 1040 | WAAB 1410 | WBBL 1210 |
| KRLH 1420 | KTMS 1220 | KVRS 1370 | KYSM 1500 | WAAF 920 | WBBM 770 |
| KRMC 1370 | KTOH 1500 | KVSF 1310 | KYUM 1210 | WAAT 940 | WBBR 1300 |
| KRMD 1310 | KTOK 1370 | KVSO 1210 | KYW 1020 | WABC 860 | WBBZ 1200 |
| KRNR 1500 | KTRB 740 | KVWC 1500 | TGQ 1450 | WABI 1200 | WBCM 1410 |
| KRNT 1320 | KTRH 1290 | KWAL 1420 | TGW 1520 | WABY 1370 | WBEN 900 |
| KROC 1310 | KTRI 1420 | KWAT 1210 | TGX 1400 | WACO 1420 | WBHP 1200 |
| KROD 1500 | KTSA 550 | KWBD 1200 | TGI 1310 | WADC 1320 | WBIG 1440 |
| KROW 930 | KTSM 1310 | KWBG 1420 | TIAFB 900 | WAGA 1450 | WBIL 1100 |
| KROY 1210 | KTSW 1370 | KWEW 1500 | TIEMC 860 | WAGF 1370 | WBLK 1370 |
| KRRV 1310 | KTUC 1370 | KWFC 1310 | TIEP 830 | WAGM 1420 | WBNS 1430 |
| KRSC 1120 | KTUL 1400 | KWFT 620 | TIFA 1000 | WAIM 1200 | WBNX 1350 |
| KSAC 580 | KTW 1220 | KWG 1200 | TIGH 690 | WAIR 1250 | WBNY 1370 |
| KSAL 1500 | KUIN 1310 | KWJB 1210 | TIGPH 605 | WALA 1380 | WBOQ 860 |
| KSAM 1500 | KUJ 1370 | KWJJ 1040 | TIGPH2 1225 | WAML 1310 | WBOW 1310 |
| KSAN 1420 | KUOA 1260 | KWK 1350 | TIHO 1030 | WAOV 1420 | WBRB 1210 |
| KSCJ 1330 | KUSD 890 | KWKH 1100 | TILJ 775 | WAPI 1140 | WBRC 930 |
| KSD 550 | KUTA 1500 | KWLC 1270 | TILS 880 | WAPQ 1420 | WBRE 1310 |
| KSEI 900 | KVAK 1420 | KWLK 780 | TINBC 1070 | WARD 1400 | WBRK 1310 |
| KSFO 560 | KVAN 880 | KWNO 1200 | TING 750 | WASH 1270 | WBRY 1530 |
| KSL 1130 | KVCV 1200 | KWOC 1310 | TIOS 940 | WATL 1370 | WBT 1080 |
| KSLM 1360 | KVEC 1200 | KWOS 1310 | TIPG 625 | WATR 1290 | WBTH 1370 |
| KSO 1430 | KVFD 1370 | KWSC 1220 | TIRCC 1200 | WATW 1370 | WBTM 1370 |
| KSOO 1110 | KVGB 1370 | KWTO 560 | TIRS 920 | WAVE 940 | WBZ 990 |

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|-----------|-----------|-----------|-----------|-----------|-----------|
| WBZA 990 | WCPO 1200 | WELI 930 | WGAL 1500 | WHBC 1200 | WIBG 970 |
| WCAD 1220 | WCRW 1210 | WELL 1420 | WGAN 640 | WHBF 1240 | WIBM 1370 |
| WCAE 1220 | WCSC 1360 | WEMP 1310 | WGAR 1450 | WHBI 1250 | WIBU 1210 |
| WCAL 760 | WCSH 940 | WENR 870 | WGAU 1310 | WHBL 1300 | WIBW 580 |
| WCAM 1280 | WDAE 1220 | WENY 1200 | WGBB 1210 | WHBQ 1370 | WIBX 1200 |
| WCAO 600 | WDAF 610 | WEOA 1370 | WGBF 630 | WHBU 1210 | WICA 940 |
| WCAP 1280 | WDAH 1310 | WESG 850 | WGBI 880 | WHBY 1200 | WICC 600 |
| WCAR 1100 | WDAN 1500 | WEST 1200 | WGBR 1370 | WHDF 1370 | WIL 1200 |
| WCAT 1200 | WDAS 1370 | WESX 1200 | WGCM 1210 | WHDH 830 | WILL 580 |
| WCAU 1170 | WDAY 940 | WEVD 1310 | WGES 1360 | WHDL 1400 | WILM 1420 |
| WCAX 1200 | WDBJ 930 | WEW 760 | WGH 1310 | WHEB 740 | WIND 560 |
| WCAZ 1070 | WDBO 580 | WEXL 1310 | WGIL 1500 | WHEC 1430 | WING 1380 |
| WCBA 1440 | WDEL 1120 | WFAA 800 | WGKY 1500 | WHFC 1420 | WINN 1210 |
| WCBD 1080 | WDEV 550 | WFAM 1200 | WGL 1370 | WHIO 1260 | WINS 1180 |
| WCBM 1370 | WDGY 1180 | WFAS 1210 | WGN 720 | WHIP 1480 | WIOD 610 |
| WCBS 1420 | WDLP 1200 | WFBC 1300 | WGNC 1420 | WHIS 1410 | WIP 610 |
| WCCO 810 | WDMJ 1310 | WFBG 1310 | WGNV 1220 | WHIZ 1210 | WIRE 1400 |
| WCFL 970 | WDNC 1500 | WFBL 1360 | WGPC 1420 | WHJB 620 | WIS 560 |
| WCHS 580 | WDOD 1280 | WFBM 1230 | WGR 550 | WHK 1390 | WISE 1370 |
| WCHV 1420 | WDRC 1330 | WFBR 1270 | WGRC 1370 | WHKC 640 | WISN 1120 |
| WCKY 1490 | WDSM 1200 | WDFD 1310 | WGRM 1210 | WHKY 1370 | WJAC 1370 |
| WCLE 610 | WDSU 1250 | WFEA 1340 | WGST 890 | WHLB 1370 | WJAG 1060 |
| WCLO 1200 | WDWS 1370 | WFIG 1310 | WGTC 1500 | WHLD 1260 | WJAR 890 |
| WCLS 1310 | WDZ 1020 | WFIL 560 | WGTM 1310 | WHLS 1370 | WJAS 1290 |
| WCMI 1310 | WEAF 660 | WFLA 620 | WGY 790 | WHMA 1420 | WJAX 900 |
| WCNC 1370 | WEAN 780 | WFMD 900 | WHA 940 | WHN 1010 | WJBC 1200 |
| WCNW 1500 | WEAU 1050 | WFMJ 1420 | WHAL 950 | WHO 1000 | WJBK 1500 |
| WCOA 1340 | WEBC 1290 | WFNC 1340 | WHA1 1210 | WHOM 1450 | WJBO 1120 |
| WCOC 880 | WEBQ 1210 | WFOR 1370 | WHAM 1150 | WHOP 1200 | WJBY 1210 |
| WCOL 1210 | WEBR 1310 | WFOY 1210 | WHAS 820 | WHTR 1370 | WJBW 1200 |
| WCOP 1120 | WEDC 1210 | WFTC 1200 | WHAT 1310 | WHP 1430 | WJDX 1270 |
| WCOS 1370 | WEED 1420 | WFTL 1370 | WHAZ 1300 | WHUB 1370 | WJEJ 1210 |
| WCOU 1210 | WEEI 590 | WFTM 1210 | WHB 860 | WIBA 1280 | WJHL 1200 |
| WCOV 1210 | WEEU 830 | WFVA 1260 | WHBB 1500 | WIBC 1050 | WJHP 1290 |

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|-----------|-----------|-----------|-----------|-----------|-----------|
| WJIM 1210 | WLAP 1420 | WMEX 1500 | WOCB 1210 | WQDM 1390 | WSJS 1310 |
| WJJD 1130 | WLAW 680 | WMFD 1370 | WOI 640 | WQXR 1550 | WSKB 1200 |
| WJLS 1210 | WLB 760 | WMFF 1310 | WOKO 1430 | WRAK 1370 | WSLB 1370 |
| WJMC 1210 | WLBC 1310 | WMFG 1210 | WOL 1230 | WRAL 1210 | WSLI 1420 |
| WJMS 1420 | WLBJ 1310 | WMFJ 1420 | WOLF 1500 | WRAW 1310 | WSM 650 |
| WJNO 1200 | WLBL 900 | WMFR 1200 | WOLS 1200 | WRBL 1200 | WSMB 1320 |
| WJPF 1310 | WLBZ 620 | WMGA 1370 | WOMI 1500 | WRC 950 | WSNJ 1210 |
| WJPR 1310 | WLEU 1420 | WMIN 1370 | WOMT 1210 | WRDO 1370 | WSOC 1210 |
| WJR 750 | WLLH 1370 | WMJM 1500 | WOCB 1210 | WRDW 1500 | WSOO 1200 |
| WJRD 1200 | WLLH 1370 | WMMN 890 | WOPI 1500 | WREC 600 | WSOY 1310 |
| WJSV 1460 | WLNH 1310 | WMOB 1200 | WOR 710 | WREN 1220 | WSPA 920 |
| WJTN 1210 | WLOK 1210 | WMOG 1500 | WORC 1280 | WRGA 1500 | WSPB 1420 |
| WJW 1210 | WLPM 1420 | WMPC 1200 | WORK 1320 | WRJN 1370 | WSPD 1340 |
| WJZ 760 | WLS 870 | WMPS 1430 | WORL 920 | WRNL 880 | WSPR 1148 |
| WKAQ 1240 | WLTH 1400 | WMRO 1250 | WOSU 570 | WROK 1410 | WSTP 1500 |
| WKAR 850 | WLVA 1200 | WMSD 1420 | WOV 1130 | WRR 1280 | WSUI 880 |
| WKAT 1500 | WLW 700 | WMSL 1370 | WOW 590 | WRTD 1500 | WSUN 620 |
| WKBB 1500 | WMAL 630 | WMT 600 | WOWO 1160 | WRUF 830 | WSVA 550 |
| WKBH 1380 | WMAM 570 | WNAC 1230 | WPAB 1340 | WRVA 1110 | WSYS 1370 |
| WKBN 570 | WMAN 1370 | WNAD 1010 | WPAD 1420 | WSAI 1330 | WSYB 1500 |
| WKBO 1200 | WMAQ 670 | WNAX 570 | WPAR 1420 | WSAJ 1310 | WSYR 570 |
| WKBV 1500 | WMA5 1420 | WNBC 1380 | WPAX 1210 | WSAM 1200 | WSYU 570 |
| WKBW 1480 | WMAZ 1180 | WNBK 1500 | WPAY 1370 | WSAN 1440 | WTAD 900 |
| WKBZ 1500 | WMBC 1420 | WNBH 1310 | WPEN 920 | WSAR 1450 | WTAG 580 |
| WKEU 1500 | WMBD 1440 | WNBX 1260 | WPG 1100 | WSAU 1370 | WTAL 1310 |
| WKIP 1420 | WMBF 610 | WNBZ 1290 | WPIC 780 | WSAV 1310 | WTAM 1070 |
| WKNY 1500 | WMBG 1350 | WNEL 1290 | WPID 1210 | WSAY 1210 | WTAQ 1330 |
| WKOK 1210 | WMBH 1420 | WNEW 1250 | WPRA 1370 | WSAZ 1190 | WTAR 780 |
| WKRC 550 | WMBI 1080 | WNLC 1500 | WPRO 630 | WSB 740 | WTAW 1120 |
| WKST 1250 | WMBO 1310 | WNOE 1420 | WPRP 1420 | WSBC 1210 | WTAX 1210 |
| WKY 900 | WMBR 1370 | WNOX 1010 | WPTF 680 | WSBT 1360 | WTBO 800 |
| WKZO 590 | WMBS 1420 | WNYC 810 | WQAM 560 | WSFA 1410 | WTCN 1250 |
| WLAC 1470 | WMC 780 | WOAI 1190 | WQAN 880 | WSGN 1310 | WTEL 1310 |
| WLAK 1310 | WMCA 570 | WOC 1370 | WQBC 1360 | WSIX 1210 | WTHT 1200 |

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|-----------|-----------|-----------|-----------|-----------|-----------|
| WTIC 1040 | W8XO 700 | XEBI 1000 | XEDH 1340 | XEJ 1020 | XERA 840 |
| WTJS 1310 | XEA 1400 | XEBJ 1340 | XEDL 1240 | XEJP 1130 | XERB 1090 |
| WTMA 1210 | XEAA 750 | XEBK 1080 | XEDP 1080 | KEK 990 | XERC 830 |
| WTMC 1500 | XEAC 980 | XEBL 1220 | XEDR 1490 | XEKL 1240 | XERH 1430 |
| WTMJ 620 | XEAD 1240 | XEBO 1310 | XEDS 1400 | XEKR 1280 | XES 990 |
| WTMV 1500 | XEAF 990 | XEBP 1150 | XEDW 1150 | XEKS 1240 | XESM 1270 |
| WTNJ 1280 | XEAG 1310 | XEB5 1340 | XEE 1210 | XEL 1150 | XET 690 |
| WTOC 1260 | XEAI 1250 | XEBU 1240 | XEF 1450 | XELO 670 | XETB 1310 |
| WTOL 1200 | XEAJ 1400 | XEBW 1340 | XEFB 870 | XELW 1340 | XETH 1210 |
| WTRC 1310 | XEAM 750 | XEBX 640 | XEFC 1340 | XELZ 1370 | XEU 1010 |
| WTRY 950 | XEAO 660 | XEBZ 810 | XEFE 980 | XEM 1390 | XEW 890 |
| WTSP 1370 | XEAP 1340 | XEC 1150 | XEFI 1440 | XEME 1240 | XEWE 720 |
| WVFW 1400 | XEAS 1160 | XECA 1230 | XEFM 1160 | XEMO 860 | XEX 1310 |
| WWAE 1200 | XEAT 1210 | XECH 1490 | XEFO 940 | XEMU 580 | XEXB 1270 |
| WWJ 920 | XEAU 1310 | XECL 1110 | XEFQ 1010 | XEMX 1280 | XEXE 1270 |
| WWL 850 | XEAW 960 | XECW 1240 | XEFV 1210 | XEN 780 | XEXH 1150 |
| WWNC 570 | XEB 1030 | XECZ 1370 | XEFW 1310 | XENT 910 | XEXX 1170 |
| WWRL 1500 | XEBA 1080 | XED 1160 | XEG 1230 | XEP 1160 | XEZ 630 |
| WWSW 1500 | XEBC 1240 | XEDA 1220 | XEH 740 | XEPN 750 | YSS 640 |
| WWVA 1160 | XEBG 820 | XEDE 1400 | XEHK 1230 | XEQ 730 | ZNS 790 |
| WXYZ 1240 | XEBH 980 | XEDF 810 | XEI 1370 | XEQK 1500 | |

TIME CONVERTER

The RADEX Map of the World with Time Converting Dial is the most useful accessory any radio fan could have around. Just a twirl of the dial shows the correct time at any location in the world. No calculation is necessary; the dial does all the work. **The price is only**

25c

You Can't Get Along Without It.

The Radex Publishing Co., Emerson, New Jersey

(Continued from page 62)

Deleted

- 1210 KWTN Watertown, S. Dak.
- Permit to Change Power**
- 560 KLZ Denver, to 5000
 590 WEEI Boston, to 5000
 590 WKZO Kalamazoo, to 250(1)
 610 KFRC San Francisco, to 5000
 610 WIP Philadelphia, to 5000
 630 WMAL Washington, to 5000
 710 KMPC Beverly Hills, to 1000(5)
 760 KXA Seattle, to 1000
 770 KFAB Lincoln, to 50 kw.
 850 WKAR E. Lansing, to 5000
 880 WRNL Richmond, to 1000
 880 WSUI Iowa City, to 1000(5)
 890 KFNF Shenandoah, to 1000(5)
 900 KGUB Ketchikan, to 1000
 940 KOIN Portland, to 5000
 940 WICA Ashtabula, to 500
 950 KMBC Kansas City, 5000
 950 WRC Washington, to 5000
 990 XEK Mexico City, to 500
 1120 KRSC Seattle, to 1000
 1120 WJBO Baton Rouge, to 1000
 1200 KVCV Reding, to 250
 1200 WTOL Toledo, to 250
 1210 WKPW Fort Smith, to 250
 1210 WCOL Columbus, to 250
 1210 WHIZ Zanesville, to 250
 1210 WJEJ Hagerstown, to 250
 1220 WCAE Pittsburgh, to 5000
 1220 WDAE Tampa, to 5000
 1260 KHSL Chico, to 500(1)
 1300 WFBC Greenville, to 5000
 1310 KRRV Sherman, to 1000
 1310 KTSM El Paso, to 500
 1310 WNBH New Bedford, to 250
 1320 KGMB Honolulu, to 5000
 1320 WSMB New Orleans, to 5000
 1330 KGB San Diego, to 5000
 1330 KSCJ Sioux City, to 5000
 1330 WDRG Hartford, to 5000
 1330 WSAI Cincinnati, to 5000
 1330 WTAQ Green Bay, to 5000

- 1340 WSPD Toledo, to 5000
 1350 KWK St. Louis, to 5000
 1350 KWB Richmond, to 1000(5)
 1370 KERN Bakersfield, to 1000
 1370 KFRO Longview, to 1000
 1370 KVGB Great Bend, to 250
 1370 WMSL Decatur, to 250
 1380 WPRM Mayaguez, to 1000(2.5)
 1380 KOH Reno, to 1000
 1380 WALA Mobile, to 1000
 1420 KWBG Hutchinson, to 250
 1420 WAPO Chattanooga, to 500(1)
 1420 WHMA Anniston, to 250
 1420 WMFJ Daytona Beach, to 250
 1420 WMSD Muscle Shoals City, to 250
 1460 KSTP St. Paul, to 50000
 1460 WJSV Washington, to 50000
 1500 KSAL Salina, to 500(1)
 1500 WMEX Boston, to 5000
 1500 WRTD Richmond, to 1000
 1550 WQXR New York, to 5000

Permit to Change Location

- 1050 KFBI Abilene, to Wichita
 1200 WHBY Green Bay, Wis., to Appleton
 1210 WGRM Grenada, Miss., to Greenwood
 1260 WNBX Springfield, Vt., to Keene, N. H.

Permit to Change Frequency

- 770 KFAB Lincoln, to 1080
 1210 KFPW Fort Smith, to 1370
 1210 WCOL Columbus, to 1200
 1260 KPAC Port Arthur, to 1220
 1310 KRRV Sherman, to 880
 1310 KTSM El Paso, to 1350
 1320 KGMB Honolulu, to 590
 1370 KERN Bakersfield, to 1380
 1370 KFRO Longview, to 1340
 1370 WPRM Mayaguez, to 780
 1380 KOH Reno, to 630
 1420 WAPO Chattanooga, to 1120
 1450 KTBS Shreveport, to 620
 1500 KSAL Salina, to 1120
 1500 WMEX Boston, to 1470
 1500 WRTD Richmond, to 590

Answers to the Radex Riddle

The letters given below indicate the correct answers. Allow 20 points for every three that were right. A score of 60 is fair; 80 is very good; and a higher rating is excellent.

1. c
2. a
3. c
4. b
5. b
6. b
7. c
8. d
9. e
10. d
11. b
12. a
13. b
14. d
15. b

Radio Call Letters

(Continued from page 21)

- R1298—Melvin Fisher, Berkeley, Cal.
 R1493—Steve A. Engberg, Seattle, Wash.
 Boulder City, Nev.
 R1535—H. W. Hartley, Pearl Harbor, T.H.
 Mervyn Branks, Invercargill, N.Z.
 R. Anderson, Ambrose, N.D.
 Loyd Bulmur, Vancouver, B.C.
 Sam J. Daniels, Atlin, B.C.
 Warren C. Reichardt, Reading, Mass.
 Paul Sampson, Regina, Sask.
 A. E. Greenway, Dunedin, N.Z.
 D. Yancey, San Dimas, Cal.
 Bob Park, Vancouver, B.C.
 Eugene S. Allen, Vallejo, Cal.
 C. E. Royston, Glendale, Cal.

Selected Back Numbers

The Oceania Broadcasting Stations, Sept. '38.

Tuning South Pacific Stations, Tuning South Americans, and a list of South American Broadcasting Stations, Oct. '38.

Dialing the Europeans, Nov. '38.

Dialing the Asiatics, Dec. '38.

This Hobby Called DXing, the International Prefixes, the QSA and R Codes, Jan. '39.

Stations of France and Norway, March '39.

Stations of New Zealand, April '39.

Television is Here, list of Television Stations, the stations of Colombia, China and Venezuela, Midsummer '39.

Stations of Costa Rica and Venezuela, Sept. '39.

The World's Broadcasting Stations, Sept. '39.

These past issues are still available at the regular price of 25c each or five for a dollar.

GET MORE DX WITH HEADPHONES



WE recommend the famous Trimm line of headphones for DX success. They are precision-built, and combine ultra-sensitivity with rugged construction.

The Trimm "Featherweights" weigh but $4\frac{1}{4}$ ounces complete. 24,000 ohms. **\$8.50**

Trimm "Professional." 4000 ohms. **4.00**

Trimm "Dependable." 2000 ohms. **3.25**

INSURE YOUR RADIO ENJOYMENT

SEND THIS BLANK TODAY

The Radex Publishing Co.,
Emerson, New Jersey

Enclosed find \$..... for which send me postpaid my choice of your offers as checked below:

- One Radio World Map and Time Converter..... 25c
- One copy of the next RADEX 25c
- One year's subscription to RADEX, six issues..... 1.25
- Two years, 12 issues..... \$2.25

(ADD 20c PER YEAR FOR FOREIGN SUBSCRIPTIONS,
EXCEPT CANADA, CUBA AND MEXICO)

Print Name Plainly

Street and Number

City and State

PHONE ADAPTERS for QUIET RADIO

Do you listen in late at night while others are sleeping? Does your town require you to turn your radio down at a certain hour? If you are an apartment dweller, or a DXer, or if there is more than one radio in your home, equip your set with headphones and win the gratitude of your family and your neighbors.

We offer two phone adapters which will permit the use of headphones with your radio. They can be used with any radio set, regardless of make, and are fully guaranteed. They are easily installed. When ordering, be sure to give a list of the tubes used in your receiver.

TRIMM

Quiet Radio Attachment

This kit, including adapter and headphones, is made by the makers of the famous "Trimm" headphones. Headset and loudspeaker may be used separately or together.

Adapter with Trimm Featherweight Headphones—

\$13.50

Adapter with Trimm Dependable Headphones—

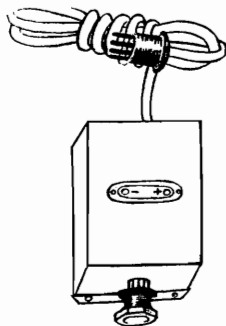
\$5.95

Adapter with Acme DeLuxe Headphones—

\$4.40

THE PERFECT PHONE ADAPTER

Makes it easy to attach headphones to any radio set. Easily installed, without tools, in just a minute. The loudspeaker can be silenced while 'phones are being used. Ideal for the hard-of-hearing. The price is only \$3.95, without headphones.



As these adapters are made to order, about two weeks should be allowed for delivery.

We pay the postage.

THE RADEX PUBLISHING CO., Emerson, New Jersey

Be a RADIO Technician

Learn at Home to Make \$30, \$40, \$50 a Week

Radio is a young, growing field with a future. It offers you many good pay spare time and full time job opportunities. And you don't have to give up your present job, go away from home, or spend a lot of money to become a Radio Technician. I train you right at home in your spare time.

Many Radio Technicians Make \$30, \$40, \$50 a Week

Radio broadcasting stations employ engineers, operators, technicians and pay well for trained men. Radio manufacturers employ testers, inspectors, foremen, servicemen in goodpay jobs with opportunities for advancement. Radio jobbers and dealers employ installation and servicemen. Many Radio Technicians open their own Radio sales and repair businesses and make \$30, \$40, \$50 a week. Others hold their regular job and make \$5 to \$10 a week fixing Radios in spare time. Automobile, police, aviation, commercial Radio; loudspeaker systems, electronic devices, are newer fields offering good opportunities to qualified men. Television promises to open many good jobs soon.

Many Make \$5 to \$10 a Week Extra in Spare Time While Learning

The day you enroll I start sending Extra Money Job Sheets which start showing you how to do Radio repair jobs. Throughout your course I send plans and directions that made good spare time money—\$200 to \$500—for hundreds, while learning. I send you special Radio equipment to conduct experiments and build circuits. This 50-50 method of training—with printed texts and conducting experiments—makes learning at home interesting, fascinating, practical.

I Also Give You a Professional Servicing Instrument

You get the type of instrument successful Radio Technicians use—an All-Wave Set Servicing Instrument. It contains everything necessary to measure A.C. and D.C. voltages and current; to check resistances, adjust and align any set, old or new. It satisfies your needs for professional servicing after you graduate—can help you make extra money fixing sets while learning.



You Are Trained for Television

With N.R.I. you learn Television principles right along with Radio principles—the correct method—since Television receivers combine both sight and sound. You also get more than ten text books devoted entirely to Television.

Mail Coupon for Sample Lesson and Free Book

Act Today. Mail the coupon now for Sample Lesson (Radio Receiver Troubles; Their Cause and Remedy) and 64-page book: They're free. They point out Radio's spare time and full time opportunities and those coming in Television; tell about my course in Radio and Television; show you letters from men I trained, telling what they are doing and earning. Read my Money Back Agreement. Find out what Radio offers YOU! MAIL COUPON in an envelope, or paste on a postcard—NOW!

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National Radio Institute
Dept. ODO
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Send me FREE, without obligation, Sample Lesson and 64-page book "Rich Rewards in Radio" which tells about Radio's spare time and full time opportunities and how I can train at home for them. (Write plainly)

Name Age

Address

City State 14x5