

# RADIO IN DEX

The All-Wave Radio Log Authority

No. 140

NOVEMBER-DECEMBER, 1940

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# RADIO INDEX



Reg. U. S. Patent Office

SEVENTEENTH YEAR

NOVEMBER 1, 1940

NO. 140

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FOR SALE AT YOUR NEWSSTAND

## Proposed Reallocations and Their Effect

In conformity with provisions of the North American Regional Broadcasting Agreement, the Federal Communications Commission has filed with the State Department its proposed reallocation of frequencies in the standard broadcast band, to go into effect simultaneously with the pact, March 29, 1941. The signatory governments are exchanging their respective tentative assignments for final check before making them operative.

Changes necessitated by the Havana agreement will affect 777 of the 862 radio stations now operating in the standard broadcast band (550 to 1600 kilocycles) in the United States. In shifting the United States frequencies the Commission plans but minimum alteration in the present broadcast service.

Here, in general, is how the domestic shift will be accomplished:

Stations now operating on channels of from 550 to 720 kilocycles will retain their present assignments.

Stations operating between 740 and 780 kilocycles will move up 10 kilocycles (which is the engineering equivalent

to one channel).

Stations using from 790 to 870 kilocycles will move up 20 kilocycles (two channels).

Stations between 880 and 1450 kilocycles will generally advance 30 kilocycles (three channels).

Clear channel stations will shift from 1460-1490 kilocycles to 1500-1530 kilocycles. Local stations now on 1500 kilocycles will move down one channel—to 1490 kilocycles.

The chief noticeable difference to the average listener will be that his favorite station above 730 kilocycles will occupy a slightly different place on his receiver dial—usually higher. Receivers with push-button tuning will have to have these controls re-adjusted for all stations higher on the dial than WLW or WGN. This can be done at any time after March 29th next. It will take only a few minutes to make the necessary readjustments. Otherwise, the general tuning-in process will be no different than at present. The extent of the broadcast band remains the same and station service is unchanged.

However, the correlated shifting of the frequencies of some 100 broadcast stations in Canada, and of numerous stations in Mexico and Cuba will serve to eliminate in considerable measure the long-complained of interference from these sources, and thereby improve broadcast reception in the North American continent generally. Interference from Mexican and Cuban stations has been particularly objectionable to the rural listeners.

For one thing, certain broadcast stations on the Mexican border are to be eliminated. These stations are largely run by persons denied the use of frequencies in the United States. They have featured the types of programs which caused them to be eliminated from the United States scene. The Havana pact contains no provision for the continued operation of these high-powered stations just across the border.

The United States broadcaster, on his part, does not have to replace present transmission and other expensive equipment. His chief concern will be to change the quartz crystals which control a station's operating frequency. Though this is a small item, it will take some time to obtain the 2,000 or more needed crystals from the comparatively few manufacturers who grind and calibrate them to order.

In carrying out the agreement, the Commission has made every effort "to preserve the broadcast structure in the United States so that minimum interference in frequency assignments would be required." Of course, blanket shifts were not possible in every instance, and certain stations had to be considered individually in their relation to the new set-up as a whole. When a considerable change in frequency was found imperative, the Commission's engineers have striven to provide a new assignment with less potential interference than exists on the present frequency, or



*This verification from XEMO is printed in green on a light yellow card. (Courtesy of Weston Richards).*

the licensee is afforded opportunity to increase his power to maintain substantially his present service area. In making such general reallocations, however, it is necessary for the Commission to amend its rules governing standard broadcast stations in some technical particulars.

Any broadcaster had until October 15th to register his views if he took exception to his individual assignment.

The treaty itself does not specify the changes which must be made in the operating frequencies of broadcast stations in the United States. Nor does it designate the operating assignment of individual stations. However, the assignment of certain classes of stations in Canada, Cuba, and Mexico very nearly controls the assignments in the United States.

It was particularly necessary to provide five clear channels for Mexico which, prior to the agreement, had no frequencies reserved for high power stations in the standard broadcast band. So, some changes in the allocation structure previously set up by the Commission was necessary.

Two clear channels were obtained by taking United States stations on the present 1010 kilocycle regional channel and the present 1180 kilocycle clear channel and reassigning these stations to different frequencies. Three additional channels were secured by shifting the frequencies of

stations commencing with the 740 kilocycle clear channel to other channels—10, 20 and 30, and in some cases 40, kilocycles above the channel now occupied. In this manner a clear channel is provided at 740 kilocycles, another at 800 kilocycles, and still another at 900 kilocycles. Thus, five channels are made available for use by Mexican stations. Canada provided an additional clear channel for Cuba.

Under the reassignments, the United States still retains six local channels. Its number of regional channels has been reduced from 42 to 41. On the other hand, its number of clear channels has increased from 44 to 59, and it can use 15 additional clear channels under certain restrictions set out in the treaty.

The compact is a mutual arrangement to allocate frequencies for the best public service in the countries involved and typifies the high spirit of cooperation among the participating nations. Under the arrangement, lists of proposed station assignments of these countries are exchanged in advance of the effective date of the agreement. This is done in order that any remaining technical problems may be worked out before actual operations begin.

Of particular concern to the United States listener is the indication that the domestic assignments as worked out by the Commission's engineers will mean a very material lessening of the interference which stations in this country now suffer from broadcasts emanating principally in Mexico and Cuba.

The North American Regional Broadcasting agreement was reached at Havana on Dec. 13, 1937. It was ratified by the four countries concerned. Formal filing by the fourth of these (Mexico) on March 29, 1940, confirmed the agreement and makes it operative one year from that date. Previously there was no real compact with respect to sharing of fre-

quencies by the principal countries of this continent for the best mutual advantage.

### Abbreviations

The Canadian Provinces and the Mexican States, with their abbreviations, are as follows:

Alberta, Alta.  
 British Columbia, B. C.  
 Manitoba, Man.  
 New Brunswick, N. B.  
 Northwest Territories, N. W. T.  
 Nova Scotia, N. S.  
 Ontario, Ont.  
 Prince Edward Island, P. E. I.  
 Québec, P. Q.  
 Saskatchewan, Sask.  
 Yukon Territory, Y. T.  
 Aguascalientes, Ags.  
 Baja California, B. Cfa.  
 Campeche, Cam.  
 Chiapas, Chis. Coahuila, Coah.  
 Chihuahua, Chih. Colima, Col.  
 Distrito Federal, D. F.  
 Durango, Dgo. Hidalgo, Hgo.  
 Guanajuato, Gto. Jalisco, Jal.  
 Guerrero, Gro. Mexico, Mex.  
 Michoacan, Micho.  
 Morelos, Mor.  
 Nayarit, Nay.  
 Nuevo Leon, N. L.  
 Oaxaca, Oax.  
 Puebla, Pue.  
 Queretaro, Qro.  
 Quintana Roo, Q. R.  
 San Luis Potosi, S. L. P.  
 Sinaloa, Sin.  
 Sonora, Son.  
 Tabasco, Tab.  
 Tamaulipas, Tam.  
 Tlaxcala, Tlax.  
 Vera Cruz, Ver. C.  
 Yucatan, Yuc.  
 Zacatecas, Zac.

The United States Territories and Island Possessions:

Alaska, T. A.  
 Guam, Guam.  
 Hawaii, T. H.  
 Panama Canal Zone, C. Z.  
 Puerto Rico, P. R.  
 Virgin Islands, V. I.

# The Radex Contest

Participants in the Radex DX Contests will have another prize for which to strive. Through the courtesy of Mr. Royal Higgins and Mr. W. J. Halligan, The Hallicrafters, Inc., of Chicago, Ill., have donated a HALLICRAFTERS SKYRIDER DEFIANT RECEIVER, Model SX-24, to be given to the person who will be declared the All Wave Champion.

This all-wave receiver is truly one of the finest communications sets on the market today. Frequency Meter tuning is provided by means of two translucent illuminated dials, one for the main tuning control and the other for the electrical bandspread system. A built-in noise limiter is provided. Variable selectivity in six positions from sharp crystal to broad I. F. A carrier level meter is calibrated in "S" units and decibels. A double-balance bridge-type crystal filter, frequency stabilization and a full four-band tuning range from 540 kcs. to 43500 kcs. all contribute to its peak performance. Ample selectivity is provided by a T.R.F. stage and two high-gain I.F.'s.

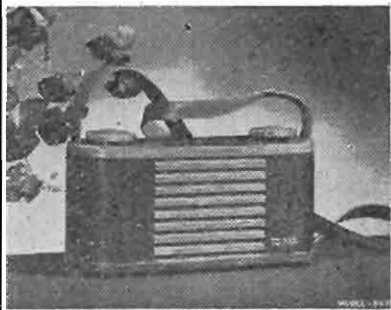
The \$30 cash prize which was previously announced for the winner of the All-Wave Championship will now be offered to the runner-up in this division.

For the benefit of those of our readers who may have missed our announcement in our last issue, the RADEX Contests cover four divisions of DXing: All Wave, Short-wave, Broadcast Band and Amateur. The Contest began on October 1st, 1941, and will continue until September 30, 1941, and as soon thereafter as possible the names of the winners will be published in RADEX.

The purpose of the Contests is to learn who can receive the greatest number of verifications from radio stations during the year, and all verifications entered must confirm stations heard during this period.

Pursuant to a request from James

**Free! Free!**  
*Philco Offers Contest Prize*



Just as we go to press we learn that arrangements have been completed to offer a fine PHILCO receiver as a prize in the Radex DX Contests.

Mr. H. Wicand Bowman of The PHILCO Corporation, Tioga and "C" Streets, Philadelphia, Pa., has arranged to send a strap-around portable radio, Model 89-C, to be offered as a prize.

We have illustrated this new PHILCO Shoulder Strap radio on this page. This portable radio plays anywhere, and is ideal for hikes, picnics, at the beach, wherever you go, indoors or out. It is truly a tiny package of "dynamite" in performance, with the power and fine tone of a radio many times its size. The aerial is contained in the shoulder strap. It is extremely light in weight, and its smart, plastic case recently won one of the top awards in the Modern Plastics Contest in New York City.

#### **For Broadcast Band Winner**

The PHILCO strap-around portable radio will be offered to the winner of the Broadcast Band Championship division of the contest. The \$15 cash prize which was previously announced for the winner of this division will go to the person who places second in the division.

Robbins of Westboro, Mass., we are re-printing the rules of the Contests herewith:

Contestants will be allowed two months after the close of the Contests, until December 1, 1941, to receive verifications from distant stations heard prior to the official closing date of the Contests. It will not be necessary for contestants to send us their verifications until we request them to do so.

Each contestant may enter as many Divisions of the Contests as he wishes.

A contestant can take first prize in only one contest, however. Since we expect to be able to offer more prizes we shall defer further discussion on the priority of prizes until our next issue.

Points will be computed by multiplying your total number of verifications by the number of countries represented. If you have 700 verifications from 20 different countries, your score would be 700 times 20, or 14,000.

Only one verification from each station will be accepted. If a station works on several frequencies, employing the same call letters on all frequencies, it can be counted as a separate station for each frequency, PROVIDED the frequency on which the station was heard is clearly shown on the verification.

Verifications from stations can, of course, be in any form whatever—QSL cards, postal cards, letters, international reply cards, or cards prepared by the listener and properly signed by the station.

With countries being eliminated and new ones being formed nearly every week, Mr. Robbins wonders what we shall consider a country. We believe that the fairest way to determine the nationality of a verification will be to be guided by the postage stamp under which it is mailed. Thus, if a DXer hears a country called Radioland, and receives

his verification with a Radioland stamp on it, it will still be Radioland even if the country should later become a "protectorate" of Costa Rica. However, if after the change, he heard the same station again and it was verified as a Costa Rican station, he could count it as another country. This may not be the most perfect way to handle such a situation, but we believe its simplicity commends it.

#### **Shortwave Broadcast Division**

The person who receives the greatest number of points from stations broadcasting programs of entertainment between the frequencies of 1600 and 500,000 kcs. will be titled the Shortwave Champion, and will receive a cash award of \$15.

#### **The Amateur Division**

The person who receives the greatest number of points from amateur stations transmitting within the recognized amateur bands will be declared the Amateur Champion and will receive a cash award of \$15.

#### **Broadcast Band Division**

The person who receives the greatest number of points from broadcasting stations operating on frequencies between 500 and 1600 kcs., located anywhere in the world, will be declared the Broadcast Band Champion, and will receive a cash award of \$15.

#### **All Wave Division**

The person who receives the greatest number of points from all radio stations using voice, from 500 to 500,000 kcs. will be the All Wave Champion. The All Wave Division includes all radio stations — broadcasters, amateurs, commercials, ships, police, etc. but no stations using code. The winner in this division will receive a HALLICRAFTERS SKYRIDER DEFIANT RECEIVER and the person placing second will receive a cash award of \$30.



**COLORED TELEVISION**

A purely electronic means of colored television is under development by engineers of the Allen B. DuMont Laboratories, but it is considered solely in terms of an ultimate goal far beyond the more immediate problems of black-and-white television.


Commenting on recent demonstrations of colored television by a leading broadcaster, Mr. Du Mont points out that color is a natural television step ahead. The principles and various techniques have long been available to television workers. Many demonstrations of colored television have been made during the past decade, using mechanical means of filtering at the pickup and a color wheel at the receiver. However, Mr. Du Mont believes that mechanical means are too complicated, and his

engineers have been working on a strictly electronic means for ultimate commercialization. A special screen will be used for automatically selecting and rendering the elementary colored images in proper sequence, without color wheels or moving parts.

**Radio Amateur Call Book**

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Emerson, N. J.

**\$1.25**

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Fill out the coupon on the opposite page (using pencil), and mail it as soon as possible to RADEX, Emerson, N. J. All contest entries must be sent on the coupons which will be printed in every issue of RADEX,

and failure to send a coupon will eliminate a contestant. To insure the receipt of your copy of every issue of RADEX, it is suggested that you send in a subscription, which is only \$1.25 per year. See the coupon on page 96.

The Radex Publishing Co.,  
12 Locust Ave.,  
Emerson, N. J.

Date.....

Gentlemen:

My entry in the RADEX Contests follows:

|                      | A                  | B         | C      |
|----------------------|--------------------|-----------|--------|
|                      | Stations Verified  | Countries |        |
|                      | Since Oct. 1, 1940 | Verified  | Points |
| Broadcast Band ..... | .....              | .....     | .....  |
| Shortwave .....      | .....              | .....     | .....  |
| Amateur .....        | .....              | .....     | .....  |
| All Wave .....       | .....              | .....     | .....  |
| (Column A times      |                    |           |        |
| Column B equals      |                    |           |        |
| Column C).           |                    |           |        |

Name .....

Address .....

City and State .....



# HIGH FREQUENCY GLOBE TROTTING

By RAY La Rocque

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## Report-O-Meter

|                         |      |
|-------------------------|------|
| G. R. Jewell, Jr. ....  | 100% |
| Edward Laudansky ...    | 72%  |
| William McMahon ....    | 45%  |
| M. F. Williams .....    | 44%  |
| Hylton R. Brown, Jr. .. | 27%  |

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From the comments we have received on the results of last month's Report-o-meter, we judge it is about time that we once again revealed our system of counting scores for this meter. A lot of the commentators couldn't understand how Laudansky could score first place above Jewell when he had less reports than the latter. It's a simple matter. Laudansky's reports scored higher per report than did Jewell's.

Here's how we do it. On reporting a new station or a station that has returned to the air after being off for some time we award one point each for the following facts: Call, location, frequency, schedule, identification signal (if any), program data, station address, and verification data. Besides this one credit is given to each report regardless of what it contains. Any change in any of the above facts brings the reporter points equivalent to the number of new facts he reports. Thus in reporting a new station it is possible to score as high as nine points on one report, while it is possible many times to score only one point on a report that contains no new data!

We hope this point has been clarified. Now for the scoring. After the totals have all been determined, the largest total is 100%. Percentage of other reporters is then figured accordingly.

Last month we asked for a vote as to whether we should continue or Report-O-Meter, or replace it with a competition similar to the Supremacy Competition in the standard

broadcast department. Well the vote is unanimously in favor of the Report-O-Meter, so you needn't worry any longer about its being discontinued.

Shortwave fans and readers of this department are reminded of the new HALLICRAFTER'S receiver that is being awarded as first prize in the RADEX Championship Contest. You can't win if you don't try so how about entering immediately and when you write to this department again, let us in on your score, too—so that we can see how see how our own group of readers are doing in the contest.

## ASK US ANOTHER

With a page-full of questions and a supply of answers we open up the shortwave reader's own question and answer department. The questions are published and the readers who have the information help the puzzled one, either by writing direct to him or by having the answer included in next month's ASK US ANOTHER section.

"Either WWV, frequency standard station on 5000 kcs. has shifted frequency and keeps announcing as 5000 (which is hardly likely) or the entire Venezuelan shortwave band has moved some 35-40 kcs. No Venezuelan stations are heard anymore beyond 5000 kc." This from Edward Laudansky, 1 Mather St., Dorchester, Mass., who also adds a few questions such as the identity of the Spanish speaking station on 12550 kcs. just above HCJB, and that of the Italian station on 18900 kcs. with a program in Portuguese from 6:50 - 7:20 p.m. on Tuesdays.

Norman H. Kane, Jr., 3721 Bonsall Ave., Drexel, Maine, thinks that the oriental station heard by Charles Meyers could be TAQ, Ankara, Turkey. Norman in turn asks, "I would like to know if anyone can identify a Bermuda station heard on 9595 kc. testing in the evening several weeks

ago. The announcer requested those hearing the program to telephone a certain Bermuda number and was reading out items concerning the tourist trade with an evident lack of enthusiasm....Are the re-constructed Swiss Government shortwave transmitters at Schwarzenberg in operation yet, and are they the same as mentioned in RADEX as the Bern transmitters which are now in operation?"

Can anyone supply L. N. Stracener, Jr., R1843, P. O. Box 1262, Baton Rouge, La., with information concerning African shortwave stations and when to tune for them?... For Hylton Brown, Jr., "PSH's QRA is Minister of Press and Propaganda, P. O. Box 709, Rio de Janeiro."— This from Jack Stephenson, Oklahoma City, Oklahoma....Can anyone tell Henry Bennett, 644 Atlantic Ave., Collingswood, N. N., anything about W-10XI and W-10XW on 2382 kcs. Henry also asks, "What are the call letters of the Wilmington, Del. Marine station?"

"One night early in the Summer", starts Allan Cadorath, R1769, 1825 1825 Princess Ave., Brandon, Manitoba, "I received WMI in Lorain, Ohio. I could find no listing of this station. Can anyone give me information as to the nature of the station?" ...Norman H. Dane, Jr., of Drexel, Maine, advises Hylton R. Brown, Jr., that PSH not only verifies, but they have a nice QSL card showing a map of Brazil and call letters. "For about five days", continues friend Kane, "a station was heard on the high frequency side of the 19 meter band. It was obviously a commercial as it relayed EIAR programs and had that peculiar muffled tone noticeable on network relay stations. After about two days some strong code station plopped on its frequency and jammed the signal to nothing. Our mystery station stood this for about two days and then went off the air as mysteriously as it appeared. "Radio Tunis" is supposed to be on this

frequency and it may have been that station on a special transmission."

"What has happened to those two old-time Australian standby's, VK2ME and VK3ME? I remember back when I used to get up at 4:00 a.m. twice a week just to tune them." (These stations have evidently been supplanted by the newer VLR and VLQ stations—RL.)

Charles A. Mills, R1667, Box 326, Strathroy, Ontario, is another to give Hylton Brown his answer on PSH verification policy. Regarding TIEP we learn from George C. Starry, 210 N. Ligonier St., Latrobe, Penna., that the station is owned by several brothers who have quite a bit of money. They broadcast almost entirely for their own pleasure and have little concern for listener reaction! So save your letters and postage on them!...Can anyone tell Willis Richardson, R1489, 80 W. South St., Painesville, Ohio, if W8XH is Buffalo on 41000 is still on the air?...Help is desired by Arthur H. Stevens, Jr., Rural Route No. 2, Box 135, Shepherdsville, Ky. His mystery station was heard on approximately 15180 or 15190 kcs. at 11:55 a.m. The language seemed to identify the station as one of the Balkan country's broadcasters. It was not "Radio Beograd", but might have been either Ankara or Bucharest. "Radio—" was heard on the announcement.



Terrence Boyd, 554 Lansdown, Toronto, Ontario, thinks that HH3W is the station heard by William McMahon and Arthur H. Stevens, Jr.... Same reporter would like information on a mystery station also reported by Norman Kane, Jr., 3721 Bonsall Ave., Drexell Hill, Penna. It seems the station was Dutch speaking and on approximately 11400 kcs. They were reported on different evenings at 6, 7, and as late as 8:30 p.m. calling Batavia, Java and other Dutch East Indies stations as well as NBC. Both boys would appreciate information on the station.

### QUOTE AND UNQUOTE

Quotations from informative letters received from Radex readers since our last edition.

**Russel Clain, 1054 Holcomb Street, Reno, Nevada:** "I am 15 years old and have been DXing about a half year, my log is 39 stations on the Broadcast band and 46 stations on the Short Wave Band. Up to June 1st, I was using a 1938 Philco, on June 1st I got a new 6-tube Howard, Model 16603".

**Jack Fern, 101 E. 6th Street, Clifton, New Jersey:** "I had to wait 8 months for my verification card from WPIT in Pittsburgh. You might print this in case any of the fellows have wrote to that station, and have not received an answer. Then I got a card from CFRX in Toronto, Canada. Going across the ocean I got a card from HAT-4, and station HBQ, and also HP5A. In the United States. I verified WLWO the Crosley station in Cincinnati. And finally on the Amateur Bands I got cards from the following on 20 meters: XEIGH K6LCV, EKIAF. I got my card from EKIAF in April of this year, but I haven't heard him in some time. Wonder if you have a card from W2USA, I have, and also have one from W8USA, the Elmira Glider meet station at Elmira, New York."

**Terrence Boyd, 554 Lansdowne Ave., Toronto, Canada:** "I have just

bought my third copy of Radex and I think it is the best radio magazine going. No other gives so much information on stations. I started DXing last September just when most of the DX stations were closing down, but so far I have heard fifty countries. I have written to 19 and 9 have verified."

**Pat Webb, San Antonio, Texas:** "I haven't much to report this time, but I'd better get what I have off my mind and hope that I will make the dead line. I am thinking of getting a new receiver with the UHF and FM bands on it; if it materializes, maybe I'll have something more next time."

**Ray Woollacott, 1809 Culver Road, Rochester, N. Y.:** "At last I have a decent receiver for my DX work, I received a HALLICRAFTERS Sky Champion receiver on my 21st birthday and it sure pulls 'em in."

**Willis Richardson, 80 West South St., Painesville, Ohio.** "I have long been a reader of your magazine and like it a lot. I have been a DXer for a long time and here are some of my catches, all verified, CFCX—A gold and red card, CJCX—A cream and black card, CHNX—A violet on pink card, VONG—A white card with blue map and yellow trim. Both WBOS and WPIT are red on cream. WRCA and WNBI are red on white. The G. E. stations are blue on white."

**W.M. Taylor, 2324 W. Jefferson, Louisville, Ky.** "Speaking of verifications the writer has a letter from C. Francis Jenkins, Television Pioneer, attesting the fact that in June, 1930, the writer and a friend received television images broadcast from W3XX, Sweet Springs, Maryland, in Louisville, Kentucky. A distance of 600 miles. We were using a Jenkins kit with a 48-hole disk and feeding the neon with a Pilot WASP, feeding the last stage audio with 12-45V. "B" batteries hooked in series. A total of 540 volts. One day I accidently picked up both leads from the "B" batteries and got across 540 volts D. C., next thing I knew I was in the



middle of the floor, the television kit was in the corner all smashed, a head-phone cord was wrapped among my neck and the Pilot was resting on my chest and I was flat on my back on the floor."

**William McMahan, 6 Central Ave., Glen Cove, L. I., N. Y.:** "Regarding the Report-O-Meter versus a Supremacy contest I am strictly in favor of the Report-O-Meter. I favor the meter because it shows the DXers who are listening, whether they have veries or not. The supremacy contest would show those with veries but would not show the one who does a lot of listening and for one reason or other has nly a few veries or does not collect them. Commenting on High Frequency Globe Trotting I would like to say that I like the column very much. I like also the Not So Short Waves and the Ultra High columns, so by all means keep these as reports will follow."

**Willis Richardson, 80 West South St., Painesville, Ohio:** "Add to the above Verified stations. CJRX-CJRO verify with black and white cards. WCAB, WCBX, CBS S. W. stations verify with black and cream cards. WRUL and WRUW blue and white cards."

**Norman H. Kane, Jr., 3721 Bonsall Ave., Drexell Hill, Pa.:** "A few days ago I bought my first copy of Radex, and I can very truthfully say that I am more than pleased. It is the type of publication that I have looked for, and now that I have found it, I in-

tend on finding in the future every other month at the newsstands. My one copy already forms a handy reference shelf in one volume, for I have referred to it many times in just a few days, and will probably have much occasion to do the same in the future."

**Art H. Stevens, Jr., R. R. No. 2, Shepherdsville, Ky.:** "Following stations have news in English at 7:30 a.m.: VUD-2 on 9590 kcs., JZJ on 11800 kcs. and JZK on 15160 kcs., XGOY on 11900 kcs. and VLQ on 9680 kcs. Verification from India is very unique. Card is white with circle in center in which a is a blue map of India. Arrows from cities on map point to all stations located in same. Call letters and frequencies are listed arund the edge of the circle. Outline of circle and the letters "AIR" are printed in heavy silver color. If your report is incorrect, they will write and invite you to try again."

#### NOT SO SHORT WAVES

Stations on the bands which come in between the standard broadcast band and 4500 kcs., most of which are commercial stations of some nature are listed separately for the DXers who specialize in this sort of listening.

NNDJ on 3410 kcs., heard at 9:45 p.m., with good signals. They are located in Little Creek, Va. (McMahan, N. Y.)

NNBF on 3410 kcs. at Chesapeake Light, was heard with good signal. (McMahan, Mass.)

NMN on 2670 kcs. at Norfolk, Va., was heard giving storm warnings at 9:50 p. m. NMF on 2670 kcs., also heard with same type of transmission at 10 p. m. (McMahan, N. Y.)

WSIB on 2726 kcs. of the Potomac Electric Co., in Washington, D. C., has been heard testing on the hour. (Bill—?).

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**YOUR COPY OF RADEX  
DELIVERED TO YOUR HOME.  
SEE PAGE 96**

WEH on 2558 kcs. at Wilmington, Del., is a new coastal harbor station on 2558 kcs.... Another new one is WER at Charleston, S. C., on 2566 kcs. (Bill—?)

WFLH the "Spendrift", WOHO the "Sinbad", and WDIE the tug "Otto" were all heard on 2738 kcs. (Woolacott, N. Y.)

WAY on 2550 kcs. is on 10:30 a.m. and p.m., WMEV on 2572 kcs., is on at 10:40 a.m. and p.m.; NMY on 2662 kcs. is on at 10:30 a.m. and p.m.; NMGG on 2662 kcs. is on at 10:40 a.m. and p.m.; NMN on 2662 kcs. is on 10:50 a.m. and p.m. (Mills, Ont.)

What is the power of WPDJ on 2414 kcs. in Passaic, N. J.? Also the power of NMGG in Baltimore? (Mills, Ont.)

#### FREQUENCY MODULATION— "FM"

This section we devote monthly to radio's newest and most promising development which enables you to enjoy the widest range of tone ever on radio programs with absolutely no static or interference!

W1XOJ in Paxton, Mass., was visited this Summer by a group of Radex Club members from the Bay State after an outing held in Shrewsbury. This station is one of the Pioneers of this type of broadcasting and is one of the two most powerful "FM" transmitters in operation.

W1XTG, which is the "FM" station relaying WTAG's programs is being boosted daily over the latter station. Station break announcements urge the listener to enjoy programs more thoroughly by using an "FM" receiver, mentioning the fact that Worcester is one of the smaller metropolitan centers being served by two "FM" stations at present. (RL)

W2XJI on 25300 kcs. in New York, N. Y., was heard at 3 p.m. concluding an "FM" test with W9XA. (McMahon, N. Y.)

W8XAD on 42600 kcs., WHEC's "FM" relay broadcasts from noon until 12:30 a.m. (Woolacott, N. Y.)

W8XVB on 43200 kcs., relay sta-

tion for WHAM has NBC programs from 2 - 10 p.m. (Woolacott, N. Y.)

It is said that January 1, 1941—or thereabouts—is the date set for the change of "FM" stations from experimental to commercial. After that time all stations will have to use four letter calls and operate on frequencies according to the schedule shown in last RADEX.

Your reports on "FM" reception, especially from fellows using "FM" receivers are eagerly anticipated and welcomed. Here is where the DX hobby has a chance to contribute something to radio. Assist by keeping up and your "FM" stations posted on reception data. All of these stations are more than anxious to receive the co-operation of serious-minded listeners.

#### SHORTWAVES IN REVIEW

On this and following pages are found the actual reader reports of reception, listed for your convenience by countries. Reports intended for this department should be on one side of paper and contain interesting reading material.

##### ARGENTINA

LRA-1 on 9688 kcs. is being heard nightly with R7-8 signals. They sign off in English at 11 p. m. (Jewell, Calif.)

LRX on 9660 kcs. heard signing off in English at 10:05 p.m. (Jewell-Calif. (McGrail, Mich.)

LSX on 10350 kcs. is heard irregularly with R9 signal from 8 - 9 p.m. (Jewell, Calif.)

LSY on 17375 kcs. was heard on Saturday, Aug. 31, relaying CBS news from Buenos Aires. (Jewell, Calif.)

LU4R on 11630 kcs. located in Mendoza is being heard with a very strong signal during the early evening hours. Schedule is irregular as the station is still experimental. (Williams, N. J.)

##### AUSTRALIA

All Australian Broadcasting Commission stations request reports and verification cards will be sent to all

who report correctly. When writing for veries it will save time if you write direct to Department of Information, 375 Collins St., Melbourne, C. 1., Australia. Veries are cream colored with outline of Australia and a large Kangaroo across the card. Schedule of "ABC" stations:

VLQ n o9615 kcs. from 5:55-6:30 a.m.

VLW-4 on 9655 kcs. from 11:55 a.m.; 8:10-9:45 a.m., and 10:25-11 a.m.

VLQ-5 on 9615 kcs. from 6:40-7:15 12:30 p.m.

VLQ-2 on 11870 kcs. from 12:55-1:55 p.m.

VLQ-7 on 11880 kcs. from 2:30-4 p.m.

VLQ-3 on 15315 kcs. from 6:10-7 p.m.

VLQ-8 on 17800 kcs. from 12:55-1:45 a.m. with news in English at 12:30 a.m.

All VLQ stations use a beam antenna and a power of 10 kw. Any changes in the above schedule will be announced on Sundays at the end of programs. (Jewell, Calif.)

VK2ME on 9580 kcs. was heard with R7 signals signing on at 2:30 a.m. on a Sunday morning (Jewell, Calif.)

VLQ on 9615 kcs. broadcasts in French for New Caledonia, French Indio China, and French Oceania daily from 5:55 a.m. to 6:30 a.m. and is heard well here at that time. (Skyten, Mass., Long, Ga., McMahon, N. Y., Anderson Miss. Laudansky, Mass.)

VLQ-3 on 15215 kcs. at Sydney is heard with news in English at 6:15 p.m. (Skyten, Mass.)

VLQ-5 on 9615 kcs. is being heard on both of their earliest transmissions on the east coast. (McMahon, N. Y., Stevens, Ky., Taylor, Ky. Podall Vt., Anderson Miss.)

VLQ-8 on 17800 kcs. in Sydney can be heard well on the North American broadcast daily at 1:00 a.m. (Skyten Mass.)

VLR on 9580 kcs. was heard with band music from 5:15-5:45 a.m. to

5:45 a.m. on a Saturday. (Laudansky-Mass.)

VLR-3 on 11850 kcs. was audible about 2 a.m. and improves until sign off at 5 a.m. (Taylor, Ky.)

VLW-2 on 9650 kcs. at Perth is on at 4 a.m. until about 8 when they fade. This station seldom announces call letters. Local news and news from London is broadcast. Popular records are heard at 6 a.m. (Laudansky, Mass., Taylor, Ky.)

VLW-3 on 11830 kcs. was heard at 5:45 a.m. and signed off a little later stating that VLW-2 would be on at 6 a.m. This station announces call only at beginning of transmission at 2:00 a.m. and at the close shortly after 5:00 a.m. (Laudansky, Mass., Taylor, Ky.)

### BAHAMA ISLANDS

ZNS on 6090 kcs. was heard at 7:45 p.m. and relaying BBC news at 8:15 p. m. A local program followed. (Brown, Md., Laudansky, Mass.)

### Special from Bolivia

Stephen Mann of the National Radio Club tells us that Radio Nacional de Bolivia will transmit a special DX program for members of the NRC on November 14, from midnight until 2 a.m. EST. The program will consist of native folk music and a description of views and life in Bolivia. Reports will be verified for ten cents, American coins. In addition to the regular verification, reporters will receive post card views of La Paz.

The program will be radiated by

CP3 5000 watts 1390 kcs.

CP2 5000 watts 6110 kcs.

### BRAZIL

PRA-8 on 6010 kcs. at Recife was heard with a program of popular records on a Saturday from 8-815 p.m. QRM from CFCX was slight. (Laudansky, Mass.)

PRF15 in Rio de Janeiro has been assigned an additional frequency of 15190 kcs. (Williams, N. J.)

PSH on 10220 kcs. is on daily from 6-7 p.m. relaying standard broadcast stations, and on Friday with Spanish

program from 7-7:30 p.m. and on Monday with English program from 8-8:30 p.m. (Mills, Ont., McMahan, N. Y., McGrail, Mich., Woolcott, N. Y., Jewell, Calif.)

PSE on 14935 kcs. operates on Wednesdays from 4-4:30 p.m. in German, on Thursdays from 3-3:30 p.m. in Italian, and on Saturdays from 3-3:30 p.m. in French. (Mills, Ont.)

#### CANADA

CFRX on 6070 kcs. heard coming on at 6:30 a.m. and signing off at midnight. (Brown, Md., Jewell, Cal.)

CFCX heard, but badly QRM'd by HP5K on Saturday at 8:15 p.m. (Laudansky, Mass.)

CHNX on 6130 kls. has been heard signing on at 6:00 a.m. and off at 10:15 p.m. (Laudansky, Mass., Brown, Md.)

CJRX on 11720 kcs. at Winnipeg is on daily from 4 p.m. to 1 a.m. and is heard best from 12-1 a.m. Address is now Trans Canada Communications, Limited, Winnipeg. (Woolcott, N. Y., Podall, Vt., Laudansky, Mass., McConnell Ohio, McMahan, N. Y., Jewell, Calif., McGrail, Mich.)

#### CHILE

CB-970 kcs. at Valparaiso on 9700 kcs. is being heard with dance programs up to 10:30 p.m. (Jewell Calif.)

CB-1174 on 11740 kcs. at Santiago, Chile was heard at 8 p.m. with news in Spanish followed by dance music. (Jewell, Calif.)

CB-1180 on 11945 kcs. is heard with a good signal nightly from 8-11:05 p.m. (Laudansky, Mass., McMahan, N. Y., Jewell, Calif.)

#### CHINA

FFZ on 12050 kcs. at Shanghai can still be heard with a very weak signal from 6-8 a.m. (Williams, N. J.)

XGAP on 9560 kcs. at Peiping was heard here for the first time on July 31st from 9:30-10 a.m. with female announcer. Program consisted of Chinese music and talk. (Jewell, Calif.)

XGOX on 15195 kcs. at Lungtso, was heard with Chinese Popular Dance Orchestra from 11 p.m. to

1 a.m. (Jewell, Calif., Brown, Md.)

XGOY on 11900 kcs. from 9 a.m. to noon with best signals to 10 a.m. (Jewell, Calif.)

XGOY on 9610 kcs. (a new frequency) at Ghungking on an early morning transmission from 8-8:45 a.m. Sign off time is irregular. (Jewell, Calif.)

#### COLOMBIA

HJCD on 6160 kcs. at Bogota is heard consistently from 7 p.m. to midnight. (Williams, N. J.)

HJCF on 9710 kcs. at Bogota was heard coming on the air at 7 a.m. with R9 signal (Laudansky, Mass.)

HJCT on 9630 kcs. at Bogota is heard with terrific signals nightly from 7-11:30 p.m. "Radiodiwusora Naconal" is the slogan. (Jewell, Cal.)

HJCX on 6017 kcs. at Bogota is heard nightly from 8-11 p.m. Station announcements are preceded by the sounding of a gong. (Jewell, Calif., Laudansky, Mass.)

HJFH on 9750 kcs. at Armenia is heard nightly from 5-10:30 p.m. (Williams, N. J.)

HJFK on 9730 kcs. at Pereira is heard each morning from 7-9. (Williams, N. J.)

#### COSTA RICA

TIEM on 10050 kcs. at San Jose was heard from 6-9 p.m. with R7 signals on a popular dance program. (Jewell, Calif.)

TIEP on 6695 kcs. was heard with a program of classical recordings from 8-8:45 p.m. on a Saturday. (Laudansky, Mass.)

TILS on 5905 kcs. at San Jose was heard with R7 signals broadcasting classical and Spanish music late Sunday evening. (Laudansky, Mass.)

TIX on 5830 kcs. was heard with a good signal from 11:30 p.m. to midnight with a program of American recordings. (Brown, Md.)

TI-2RS on 7450 kcs. was heard with R5 signal and much QRM at 9:30 p.m. on a Saturday. (Laudansky, Mass.)

TI-4NRH on 9692 kcs. at Heredia ran be heard in English from 9-10



30 p.m.

... kcs. have been  
...ing fell known Ameri-  
...ections from 7:30 p.m. They  
signed on at 6:30 a.m. (Brown, Md.)

COCW on 6330 kcs. was heard  
with a program called the Daily  
Traveler's Information Hour in Eng-  
lish. They gave their address as  
P. O. Box 130, Havana. (Brown, Md.)

COGF on 11800 kcs. is being heard  
with R8 signals from 9-10 p.m. (Jew-  
ell, Calif.)

COHI on 6455 kcs. at Santa Clara  
comes in like a local from 5 p.m. un-  
til sign off at midnight. (Jewell, Cal.)

COK on 11570 kcs. used 16200 kcs.  
also for a few weeks, but the latter  
frequency is no longer being used at  
time of writing. The station operates  
from noon 11 p.m. daily. (Jewell,  
Calif., Williams, N. J., Podall, Vt.,  
Laudansky Mass., Taylor Ky., Mills,  
Ont., Webb, Texas, Kane, Minn.)

COX-7 on 6396 kcs. is heard very  
well from 7-10 p.m. nightly. (Lau-  
dansky, Cass., Jewell, Calif.)

COC on 11460 kcs. is being heard  
sounds like graygaa, whatever that  
midnight. The last letter in the call  
in the afternoon and evening until  
is. (COCY seems to be the call on  
this one.—FL). Report by McMahan,  
N. Y.

#### DOMINICAN REPUBLIC

HI-1J on 5960 kcs. is heard eve-  
nings with R9 signal. (Laudansky,  
Mass.)

HI-1L on 6500 kcs. was heard with  
Spanish music and announcements  
from 5:45 p.m. with R7 signal. (Lau-  
dansky, Mass.)

HCIB on 12460 kcs. at Quito main-  
tains a schedule from 6-10 p.m. daily  
except Monday. (Jewell, Calif., Lau-  
dansky, Mass. Stephenson Okla., Mc-  
Mahon, N. Y., Taylor, Ky., Woola-  
cott, N. Y., McGrail, Mich., Mills,  
Ont.)

HC2J on 9185 kcs. was the call  
heard announced over this apparently  
new Guyaquil station from 6:15-7  
p.m. Popular news, music, and Span-  
ish speech were used on the pro-  
grams. (Laudansky, Mass.)

#### EGYPT

SUX on 7865 kcs. at Cairo broad-  
casts daily from 1:30-4:30 p.m. No  
announcements are made in English.  
(Williams, N. J.)

#### FIJI ISLANDS

VPD-2 on 9536 kcs. at Suva is be-  
ing heard now with a new transmis-  
sion from 12-12:30 a.m. The first fif-  
teen minutes are in English, with  
newsin French at 12:15. Address:  
Amalgamated Wireles, Ltd., Suva,  
Fiji Islands. (Jewell, Calif.)

#### FRANCE

The former TPC is still broadcast-  
ing a program beginning about 1:15  
p.m. Program consists of music with  
French announcements. "Ici Radio  
Paris" are the usual announcements,  
while the station is merely referred  
to as station "Y". At 4:50 this sta-  
tion relays the German program to  
North America and usually stays on  
while others go off the air due to air  
raids. (Webb, Texas, Woolacott, N.  
Y., Williams, N. J., Long, Ga. Kane,  
Penna., Stephens, Ky.)

Another French transmitter is op-  
erating on 9520 kcs. occasionally at  
night and every Sunday morning

English program from 10:30-11 a.m. an American takes over the announcing, assisted by a lady in charge. Larry Sinclair is the name of the American announcer, who reads the news, talks on Indo China. Comments are requested and should be addressed to "Radio Saigon", P. O. Box 412, Saigon, Fr Indo China. An IRC should be enclosed. (Jewell-Calif., Brown, Md.)

### GERMANY

Official and latest schedule of German stations is as follows:

DJB on 15200 kcs. operates daily from 11:15-11:30 a.m., 12:15-12:30 p.m., 2:15-2:30 p.m., 3:30-4 p.m., and 4:15-4:30 p.m.

DJD on 11770 kcs. operates daily from 7:15-11 p.m.

DJL on 15110 kcs. operates from 6-9 a.m.

DJZ on 11800 kcs. operates from 4:50-7 p.m.

DXB on 9610 kcs. operates from 4:50 p.m. to 1:00 a.m.

"Y" on 15240 kcs. operates from 4:50-11 p.m.

These are the stations listed on the daily programs beamed to this country. No information available officially on other programs.

For more information on stations not listed on North American schedule let's look at some of the reports:

DJB on 15200 kcs. along with DJL no 15110 kcs., and DJR on 15430 kcs., are all heard with an English program from 12-1:30 p.m. (Jewell-Calif.)

DXB on 9610 kcs. has been heard with strong signals evenings especially from 12-2 a.m. (Jewell, Calif.,

15230 kcs., DXV no 15. Okla.)

DZC on 10290 kcs. heard at 7:45 p.m. with news man. (Laudansky, Mass.)

DZD on 10543 kcs. at Berlin heard testing at 5:45 p.m. prior to news relay to New York. (Laudansky, Mass., Bill—?)

### GREAT BRITAIN

Anti-British station on 11960 kcs. has not been received with as strong a signal of late. At times it is barely audible and sometimes it cannot be heard at all. They are now using two additional frequencies according to an announcement. 9740 kcs. and 7300 kcs. are the frequencies announced. The latter has not been heard at all, while the former is barely audible at times under CSW-7. They come on at 4:30 and 5:30 p.m. with "Loch Lomond" on the organ and sign with "God Save The King". (McMahon, N. Y.)

With white-walled, modernist Broadcasting House in the center of London's West-end a conspicuous, preferred target for every successive attack, and with Nazi bombers apparently concentrating on knocking out the B.B.C.'s sand-bagged transmitters, broadcasters in England are carrying on under sole difficulties. There have been any number of "close-shaves" but thus far, no casualties.

Since the beginning of the intensified air raids on Britain, the twenty-four hour world-wide service of the British Broadcasting Corporation has suffered, by actual tabulation, fewer

than ten minutes of "technical interruption" attributable directly to war conditions. Britain's voice continues to be heard through the wail of the air raid siren and the crunch of fall-kcs., GSB on 9510 kcs., GSN on 11820 ing bombs.

GSD on 11750 kcs., GSC on 9580 kcs., GSE on 11860 kcs., have all been heard here in parallel with English program from 6:20-7:30 p.m. (Jewell, Calif.)

GSN on 11820 kcs. has taken the place of GSB, GSF, and GSE in the evening transmission. (Kane, Penna., Taylor, Ky., Woolacott, N. Y.)

GRY on 9600 kcs. along with GSB, GSD heard at 11 p.m. with news in English and music. (Jewell, Calif.)

GRX on 9690 kcs. has been heard from 1-2:30 a.m. with R7 signal on a program directed to the Orient. (Jewell, Calif.)

#### GUADELOUPE

FG8AH on 7435 kcs. at Pointe-a-Pitre. was heard from 6-7 p.m. with strong signal. Announcements are in French and English by a man. "Radio Guadeloupe" is the slogan. (Laudansky, Mass., Brown, Md.)

#### GUATEMALA

TGWA on 9685 kcs. is heard nightly from 10-11:30 p.m. Marimba music is heard only three times weekly on Monday, Thursday and Saturday from 11-11:30 p.m. (Jewell, Calif., Podal, Vt., Woolacott, N. Y., McMahon, N. Y., Taylor, Ky., McGrail, Mich.)

TGWB on 6480 kcs., is now heard with a directional antenna to the west coast and to Buenos Aires. (Jewell, Calif.)

TGW (1520 kcs.), TGWA, TGWB, anw TGWG (2320 kcs.) are on the air at midnight every Saturday with special program.

#### HUNGARY

HAT-4 on 9125 kcs. at Budapest is heard nightly from 6-9 p. m. with news in English at approximately

8:05. (Jewell, Calif., Taylor, Ky., Woolacott, N. Y., Long Ga., Podall, Vt., McMahon, N. Y.)

HAT-6 on 19600 kcsff was heard with a good signal in the early afternoon with trans-Atlantic telephone service to the U.S.A. (Brown Md.)

#### Haiti

HH3W on 9900 kcs. at Port-au-Prince is heard from 6-10:30 p.m. or later with good signal. (Laudansky-Mass., McMahon-N. Y.)

HHB or HHWB on 9950 kcs. seems to be a new call being heard from this country. They are heard nightly from 9:30-10:30 p.m. (Podall-Vt.)

#### Honduras

HRD on 6235 kcs. at La Geiba was heard with classical music at 8:30 p.m. on Saturday evening. (Laudansky-Mass.)

HRK on 5715 kcs. at Tegucigalpa is heard on Sunday evenings with very weak signals. (Laudansky-Mass.)

HRN on 5875 kcs. at Tegucigalpa is being heard from 7-10:30 p.m. nightly (Jewell-Calif.)

#### India

VUD-2 on 9590 kcs. at Delhi was heard with R7 signals on Sunday at 1:00 a.m. VUD-2 on 4960 kcs. heard at 8:30 a.m. signing off. (Jewell-Calif.)

VUM-2 in Madras has shifted from 11870 kcs. to 11830 kcs. where it is heard coming on the air at 9:30 p.m. (Williams-N. J.)

#### Italy

Rome English News periods at 1:50, 3:30, 5:30 p.m. are heard simultaneously over 2RO-11, 2RO-3, 2RD-4, 2RO-6, 2RO-14, 2RO-8. (Kane-Minn., Woolacott-N. Y.) z

2RO-13 on 11900 kcs. is heard from 1-1:30 a.m. with R8 signals and a lady announcing. (Jewell-Calif.)

2RO-15 on 11760 kcs. carries the American Hour from 8-10 p.m. along with 2RO-3 on 9630 kcs., 2RO-4 on 11810 kcs., 2RO-6 on 15300 kcs. (Jewell-Calif., McMahon-N. Y., Podall-Vt., Taylor-Ky., Brown-Md.)

A mystery Rome station on 15381

**YOU WILL SAVE 75 CENTS  
SEE PAGE 96.**

kcs. is heard in the early evening carrying EIAR program (Kane-Penna.)

#### Jamaica

ZQ-1 on 4750 kcs. is on the air daily from 7-7:30 p.m. (Williams-N. J.)

#### Japan

JLG-3 on 11705 kcs. is being heard with weak signals from 12:30-2:30 a.m. (Jewell-Calif.)

JLS-2 on 17840 kcs. is heard nightly from 8-9 p.m. (Stevens-Ky., McMahon-N. Y., Long-Ga.)

JVW-3 on 11725 kcs. and JVW-2 on 9675 kcs. are heard in parallel with programs in Japanese at 4:30 a.m. . . . JVW-3 is heard with a very strong signal and an announcement in English is made at 2 a.m. (Jewell-Calif.)

JZJ on 11800 kcs. has taken over the midnight broadcast and can be heard from 12-1:30 a.m. with good signal. (Jewell-Calif., Taylor-Ky., and Kane-Penna.)

JZK on 15160 kcs. is being heard now from 2-3 a.m. with a good signal. Program is half in English, half in Japanese. JZK is also heard at 6:30 a.m. with news in English. (Jewell-Calif.)

#### Macao

CRY-9 in Macao is being heard with a very weak signal on 6122 kcs. during the early morning hours and also during the late evening. (Williams-N. J.)

#### Manchukuo

MTCY on 9545 kcs. and 11785 kcs. is being heard from 1:30-2:30 a.m. and from 9:50-11 a.m. MTCY also uses 6125 kcs. and is in Hsinking. (Williams-N. J., Jewell-Calif.)

#### Martinique

"Radio Martinique" has been allotted an additional frequency of 6145 kcs. where it will operate experimentally. (Williams-N. J.)

#### Mexico

XEZL on 6205 kcs. in Sonora is heard from 5-9 p.m. Slogan is "La Voz de Sonora desde Novoyoja". (Williams-N. J.)

XEBT on 6005 kcs. has an English program from midnight to 12:30 a.m. daily. Reports are requested to be sent to P. O. Box 7944, Mexico City. (Brown-Md., Kane-Penna.)

FXEWW on 9500 kcs. is heard very well all evening starting at 6:45. They also are heard in the morning at 9:30. (Jewell-Calif., Brown-Md., McMahon, N. Y., Laudansky-Mass., Bill-?)

XEYU on 9600 kcs. is heard up to 11 p.m. with R8 signal. (Jewell-Calif.)

#### Morocco

"Radio Maroc" on 11945 kcs. is still being heard daily between 2:30 and 5:30 p.m. (Williams-N. J.)

#### Mozambique

CR7BE answered my report by letter saying that they would send a card as soon as they arrived from the printer. (Brown-Md.)

#### Netherlands

I was exceedingly fortunate in receiving my identification card from PCJ with the last mail that came out of Holland, after parts of it had been read by Eddie Startz on the last Tuesday evening transmission. PCJ has never returned to the air to my knowledge. (Kane-Pa.)

#### Newfoundland

VONG on 5975 kcs. is heard easily until 6 p.m. when HI-1J comes on then neither is satisfactory. VONG sometimes uses the call VONH. (Laudansky-Mass.)

#### Norway

Oslo, Norway is heard from 3-4:30 p.m. on 6130 kcs. with no call used. . . . LKV on 15170 kcs. and LKQ on 11735 kcs. operate from 4:30-5:30 p.m. although they do not use calls either. . . . The 15170 kcs. Oslo station is heard well when there is no jamming, but the British are doing their best to jam all the stations under German control. Not that they can be blamed for this action, but it makes it hard for the SWL's to identify the stations. (Kane-Penna., Brown-Md., Williams-N. J.)

**Panama**

HOA on 2340 kcs. is the station I believe is being irregularly with much QRM evenings. (Laudansky-Mass.)

HP5A on 11700 kcs. is heard well evenings from 6-9:30 p.m. (Laudansky-Mass., Jewell-Calif., McMahon-N. Y., McGrail-Mich.)

HP5G on 11780 kcs. operates from 6-10 p.m. with news in English from 8-8:30 p.m. George Williams, English announcer, signs all verifications. (Jewell-Calif., Laudansky-Mass., McMahon-N. Y., McGrail-Mich.)

HP5J on 9610 kcs. is heard with good signals and English programs from 7:30-10:30 p.m. (Jewell-Calif.)

HP5K on 6000 kcs. at Colon was heard with news in English at 6:15 a.m. on Saturday. (Laudansky-Mass.)

**Peru**

OAX-4J on 9340 kcs. at Lima was heard signing off at midnight in English with R9 signal on a Saturday night. (Jewell-Calif.)

OAX-4T on 9562 kcs. official schedule: 11:30 a.m. to 1:30 p.m.

OAX-4Z on 6082 kcs. official schedule: 7 p.m. to 11:30 p.m. (Laudansky-Mass.)

OAX-5C on 9440 kcs. at Ica was heard with R7-8 signals from 8:30 p.m. to midnight, using only 100 watts. (Jewell-Calif.)

OAX-7A on 6128 kcs. in Cuzco heard announcing as "Radio Cuzco." (Williams-N. J.)

**Philippine Islands**

KZRH at Manila has added a new frequency to their other two. KZRH is now on 11890 kcs. along with KZRH on 9630 kcs. and on 6090 kcs. The program to North America stops at 10 a.m. for an hour to return at 11 a.m. at which time they have a special program for the United States. They announce as "The Voice Of The Philippines" broadcasting under the American Flag. Reports to send cards and a booklet on the are requested often and they promise Philippines. They sign off a noon with "The Star Sangled Banner". (Jewell-Calif.)

KZIB on 9490 kcs. is being heard at 4:30 a.m. in parallel with their 6040 kcs. station. (Jewell-Calif.)

KZRM on 9570 kcs. was heard with R6 signals at 7:30 a.m. (Jewell-Calif.)

**Portugal**

CSW-7 on 9740 kcs. is heard regularly in the evening. A special transmission in English is heard each Saturday from 3-3:30 p.m. (Jewell-Calif., Laudansky-Mass.)

**Salvador**

YSD on 7894 kcs. was heard signing off on a Sunday at 10:35 p.m. with birds whistling in background. (Brown-Md.)

YSM on 11710 kcs. can be heard from 7:30-10 p.m. with good signals. They test often after their regular transmission. (Jewell-Calif.)

YSP on 10400 kcs. is scheduled to be on the air between 1 and 3 p.m. as well as 6:30-11 p.m., but they can be heard coming on at 8:15 a.m. (Williams-N. J.)

**Spain**

EAQ on 9855 kcs. is heard nightly varying its schedule often signing off at 8:30 and sometimes as late as 10:30 p.m. They sign off with "Viva Franco" and a march. (Laudansky-Mass., Jewell-Calif., McMahon-N. Y.)

**Sweden**

SBP on 11705 kcs. is heard from 8-9 p.m. with only a fair signal at sign on but it improves to a quite good signal by 9 p.m. (McMahon-N. Y.)

SBT on 15155 kcs. stated in a veri that this was their official frequency. SBT was heard in the afternoon at 2:35 p.m. and at 8 p.m. (Stevens-Ky.)

**Switzerland**

HBJ on 14535 kcs. still broadcasts the American Hour on Mondays and Wednesday from 8:45-10:10 p.m. (Williams-N. J., McGrail-Mich.)

HBO on 11400 kcs. is being used often and their carrier is usually on the air from 8-10 or 11 p.m. whether they are being used for tests and

relays or not! (McMahon-N. Y., Taylor-Ky., Bill-?)

HBP on 7797 kcs. verified by card showing part of their antenna system. (Brown-Md.)

#### Tahiti

FO-8AA on 7090 kcs. at Papeete is still being heard with weak signals on Friday from 11-11:30 p.m. (Jewell-Calif.)

#### Turkey

TAP on 9465 kcs. at Ankara is heard at 6:20 pm. They were relaying news to N. Y. and requested reports. All letters will be answered. The Turkish National Anthem is used at sign off. (Laudansky-Mass.)

#### Union of South Africa

ZRL at Capetown on 9616 kcs. is now being heard nightly except Sunday from 11:45 p.m. to 1:50 a.m. with setting up exercises and recorded music. A clock strikes 7 a.m. at midnight. (Jewell-Calif.)

#### Uruguay

CXA-5 on 9485 kcs. and located in Montevideo was heard signing off at 9 p.m. (Williams-N. J.)

CXA-8 on 9640 kcs. at Colonia is heard with R9 signals relaying a Buenos Aires broadcast station Schedule from 7-11:30 p.m. (Jewell Calif.)

#### U. S. A.

W2XVQ on 17310 kcs. is the Bell Telephone Experimental Laboratory station at Deal, N. J. They can often be heard on tests of new equipment previous to delivering it to stations ordering such equipment. (Webb, Texas.)

KGEI on 9350 kcs. can be heard from midnight to 3 a.m. (Taylor, Ky., Brown, Md., McGrail, Mich.)

WBOS on 9570 kcs. in Boston was heard testing around 5:30 a.m. station that regular program would start at 3 p.m. (Laudansky, Mass., Brown, Md.)

WGEA on 15330 kcs. in Schenectady verifies with the same blue and white card used by all G.E. stations. WGEA is on this frequency from 7 a.m. to 10 a.m. and on 9550 kcs. from

5:15 p.m. to 8:15 p.m. (Stephenson, Okla.)

#### Yugoslavia

YUG on 15240 kcs. at Belgrade was heard with strong signals from 8-9:30 p.m. (Jewell, Calif.)

#### Radex Reporters

R101: Weston Richards, Zion, Ill.  
R552: M. F. Williams, Newark, N. J.  
R786: Robert Skyten, E. Brookfield, Mass.

R834, Cal.1: G. R. Jewell, Jr., San Diego, Calif.

R946: Bertram Podall, Gilman, Vt.  
R989: Hylton R. Brown, Jr., Silver Springs, Md.

R1151: Bob Brown, Goshen, Ind.  
R1273: John D. Long, Dalton, Ga.  
R1397: James O. Weaver, Elkhart, Ind.

R1470: Jack Stephenson, Oklahoma City, Okla.

R1489: Willis Richardson, Painesville, Ohio.

R1566: Roy Woollacott, Rochester, N. Y.

R1667: Charles A. Mills, Strathroy, Ontario.

R1687: David H. Wing-Scobie, Moore Park, Mich.

R1691: Hal Robie, Springfield, Mass.

R1757: William McMahon, Glen Cove, N. Y.

R1769: Allan Cadorath, Brandon, Manitoba.

R1807: Robert McConnell, Middletown, Ohio.

R1843: L. N. Stracener, Jr., Baton Rouge, La.

Malcolm Anderson, Abbeyville, Miss.  
Terrance Boyd, Toronto, Canada.

Russell Cain, Reno, Nev.  
Jack Fern, Clifton, N. J.

Eugene Francis, Bronx, New York.  
Norman H. Kane, Jr., Drexell Hill, Penna.

Edward Laudansky, Dorchester, Mass.

William McGrail, Detroit, Mich.  
George C. Starry, Latrobe, Penna.

Arthur H. Stevens, Shepherdsville, Ky.

William Taylor, Louisville, Ky.  
Pat Webb, San Antonio, Texas.

# Radexing with the Radexers

By Ray La Racque

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

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Though the constant readers of this department may tire of it, nevertheless we deem it advisable to review occasionally the rules and regulations pertaining to our various competitions and the purpose of the many sub-titles in our column. Instead of a lengthy discussion at this time we will deal with each section as we reach it. In this manner, our old readers will be spared over-doses of uninteresting reading.

Of course, Radexing With The Radexers, is a column of, by, and for standard broadcast band DXers with your Chief Radexer acting as a means for the exchange of news, and attempting to offer it to you in an interesting manner. So—if you like the way we offer it, why not let us know and if you don't like it, well—let us know why you don't and we'll do our utmost to please.

Now to initiate the rookies into our Supremacy Competition! To enter, one must have verifications. The number depends upon your own status as a DXer as well as the group in which you want to place your entry. Only one verification from each station can be counted in any group. You need not send any of your cards or letters to us. Just tell us what you have—and of course be ready to furnish proof if any doubt should arise in the minds of any of your competitors. It's all in fun. There are no prizes, but you have the honor of being recognized as one of

the leaders in your group if you  
**SUPREME SUPREMACY:** For the total number of stations verified: qualify.

Becker — Ohio.....1309  
 Botzum — Penna.....1177  
 Forestieri — N. Y.....1028  
 Horton — Mass..... 981  
 Barnes — Ill..... 968

**BEGINNER'S SUPREMACY:**

Total number of stations verified by DXers who have been verifying stations two years or less.

Mustoe — Mont...24 mo. 411  
 Richards — Ill...16 mo. 324  
 Landry — P. Q...13 mo. 283 ..  
 Metcalf — Ohio... 8 mo. 269  
 F. Lee — N. J...20 mo. 262

**OLD TIMER'S SUPREMACY:**

For the oldest dated verifications:

Podall, Vt.....Nov. 1916  
 Barnhart — Penna..Feb. 1923  
 Jordan — Penna...Aug. 1924  
 Causse — Penna...Mar. 1925  
 Balt — Ill.....Sept. 1937

**S. A. SUPREMACY:** For the most

South American stations verified:

Reichardt — Mass.....35  
 Botzum — Penna.....32  
 Forestieri — N. Y.....19  
 Burnham — Mass.....15  
 Lippincott — Me..... 9  
 Barnes — Ill..... 9

**T. A. SUPREMACY:** For the most

Trans-Atlantic stations verified:

Reichardt — Mass.....158  
 Botzum — Penna.....33

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## K 5 A M

Radio...\$64.40  
 QSO.....EST  
 12-13-19-39

Ur. Sigs.....  
 BAND...20A  
 FONE.....

**CANAL**  
 R 72 403  
 TRANSMITTER



**ZONE**

RECEIVER  
 NC-100A &  
 COMET PRO

Remarks...  
 Headquarters Company, Fort Detlemons, C. Z.

**YOUR COPIES OF RADEX WILL  
 BE RESERVED. SEE PAGE 96**

From the Canal Zone. Printed in dark blue and red. (Courtesy of Charles Adams).

Lippincott — Me.....29  
 Forestieri — N. Y.....23  
 Burnham — Mass.....13

T. P. SUPREMACY: For the most Trans-Pacific stations verified:

Reichardt — Mass.....84  
 Tarr — Wash.....50  
 Botzum — Penna.....25  
 Lippincott — Me.....18  
 Burnham — Mass.....15

Just a reminder. Have you started collecting verifications for the RADEX DX Championship Contest? That first prize looks mighty tempting and you can be sure we'd be in there trying if allowed to do so. We aren't allowed to participate, so we can do the next best thing, that is to cheer for our side—the readers and contributors of this department. Let's have that HALLICRAFTERS receiver in our group.

#### THIS 'N' DATA

At this point, dear freshman readers, yours truly has a chance to give you his conception of the DX news of the day along with a few opinions and small-talk.

#### Police Radio Changes

Following negotiations between the FCC and representatives of the International Association of Chiefs of Police, and the Associated Police Communication Officers, Inc., it has been arranged for the police to relinquish the zone police frequencies 2036, 2040 and 2044 kcs. In return, the police service receives the frequencies 7480, 7805 and 7935 kcs., and three channels in the band 1715 to 1750 kcs.

#### New Television Station

The FCC has granted a construction permit to the Bamberger Broadcasting Service, Inc., for a new television station in New York City to use channel No. 6 (96,000 to 102,000 kcs), with one kilowatt aural and visual power. The exact site of the station has not yet been determined.

The "World DX Alliance is arranging a series of DX programs

from broadcast band stations throughout the U.S.A., Canada, Cuba and Central American countries, to be known as "The Continental DX Parade" for the "World DX Alliance." A complete list of schedules can be had by addressing a letter or card to the "World DX Alliance," P. O. Box 422, Perth Amboy, New Jersey. Many valuable prizes are offered to the "WDXA" members during their current series of these DX programs.

Comes further news from Washington regarding the reallocation of North American radio stations! The date is set definitely for March 29, 1941. 777 stations in this country will be affected by the plan. The picture in a nutshell: Stations from 550 - 720 kcs. will not have to move. Stations from 740 - 780 kcs. will move up 10 kilocycles. Stations on 790 - 870 kcs. will move up 20 kilocycles. Stations on 880 - 1450 kcs. will move up 30 kilocycles. 1460 - 1490 kcs. clear channel stations will shift to 1500-1530 kcs. The 1500 kcs. local channel will be moved down 10 kilocycles to 1490 kcs.

Some 100 stations in Canada besides those in Mexico and Cuba will also be included in the new set-up. Border stations broadcasting for the benefit of U. S. listeners through transmitters on Mexican territory will have to cut their switches for the



From Japan comes this green and black QSL card. (Courtesy of Jack Wells).



final time on the date of the change to the new frequency set-up. Do we hear three cheers?

WBAX may be the latest station to be silenced! Financial difficulties and ultimate false statements in reports to the FCC have led said body to act against the renewal of WBAX's license...KCFI's revocation order has been confirmed so you can eliminate them from your log book...KAND has been a good boy since the FCC revoked its license and now the commission has rescinded its order...Westinghouse, through some entanglement with the NBC has a black mark against its records according to the FCC. New licenses have been granted WBZ, WBZA, KYW, and KDKA pending further investigation into the matter.

We're stuck with a question we can't answer. Maybe some kind RADexer can help Weston Richards, Route 5, Zion, Ill., to find a list showing the dates that the various stations began broadcasting? Along with the above, the FCC monitoring schedules for WOLF, WKNY, WBKR, and WKIP will be appreciated.

Add to the list of persons wanting Radex Club stationery, buttons, and seals: Weston Richards, Zion, Ill., and S. R. Morss, Bradford, Mass.... The verification policy of CBK is in question. Vernon Lee Gibbs (R1767), RFD No. 5, Lexington, Ky., is anxious to learn how to verify that particular Canadian station...And more anxious moments over a veri—this time from Jim Palmer (R1201), 490 Willow Road, Winnetka, Ill., who wants to know how to pry a verification from KUTA!

Hal Robie (R1691), 30 Merritt St., Springfield, Mass., would like to know how to try for TG-1 and TGQ this coming winter. He had no luck with either station last season and wants some advance information this time...Another question from Radexer Robie pertains to W8XO's verifications. It seems that WLWO veries are received in reply to requests

to W8XO. Anyone know why?

A lot of DXers display interest in the smaller networks as evidenced from the bunch of letters we have each month from readers interested in this matter. Jim Palmer of Winnetka, Ill., answers David Wing-Scobie's query by giving a list of the Arizona Broadcasting Co. stations: KTAR, KVOA, KYUM, KCRJ, KWJB, and KGLU...Weston Richards (address above), wants to know what stations are in the West Virginia, Quaker, Louisiana, Middle Georgia, and Northern California networks?...David Wing-Scobie has more to add to the list of small network stations: Michigan Radio Network has WASH, WOOD, WBCM, WELL, WIBM, WJIM, WKZO and WFDF. Maryland Coverage Network has two stations: WTBO and WSAL....The Southern Network consists of WKRC, WCMI, WGRC, WLAP, and WSIX. Along with this information David seeks some data on The Orange Network of which WFLA is a member and the Champlain Valley Network of which WDEV is a member.

Thanks to Phil Potter, Washington, R. I., and George Canapp of Baltimore, Md. for more veri signers for our indices.

### PERSONAL--ITIES

A new department which we inaugurate this month which will be found interesting bits of personal news about the readers of this column. James O. Weaver of Elkhart, Indiana has a new receiver—a HAL-LICRAFTERS Sky Buddy. He is very anxious about the results and Bob Brown of Goshen, Indiana expects that he should be sending a report to us soon...Hal Robie of Springfield, Mass., has been working in radio for the past six years. Formerly an announcer at WNBC in New Britain, Conn., Hal now sings over WTIC...High praise for our West Coast editor comes from Bob Brown. Lauding him as "the most

active DXer on the coast last season", Bob reminds us that he finished second only to Joe Lippincott in the DXIE-IRM Broadcast Band Contest ...Speaking of the IRM, that club inherits everything from the DXIEC except its best known and highly active DXers, Tony Tarr and Joe Lippincott, both of whom have been forced to give up DXing for other activities....Bill Taylor has just moved from Kansas City, Mo. to 2324 W. Jefferson St., Louisville, Ky.

### P. O. BOX R9

In this mythical mail box we reveal the contents of some of the most interesting letters received from the readers since the last issue of RADEX.

INDIANAPOLIS, INDIANA — Dawson Y. Davis, 307 N. Euclid Ave.: "During the past year I logged 582 stations on the broadcast band. Thanks to RADEX for helping me do so much."

LOUISVILLE, KENTUCKY—W. M. Taylor, 2324 W. Jefferson Street: "I started DXing in 1922 with a home-made crystal set. The first DX catch was KDKA. How many old-timers can remember KFKX in Hastings, Nebraska? I am inclined to believe it would help our "Good Neighbor" policy if the South and Central American stations would announce in English at least every half hour. My receiver at present is a late model Stewart Warner using 9 tubes. All my DXing is done on speaker, no earphones being used, but I do admit that at times I dive to the floor and pin my ears to the speaker screen in order to catch some of those R3-4 signals. How about DXers in Louisville and vicinity getting together and forming some sort of an organization?"

BRONX, NEW YORK CITY—626 East 179th St., Moe Luff: "I am compiling a list of radio station call letters and what they represent or stand for, as individual names, companies, locations, or slogans. I will be very much obliged if you will have

your readers send them to me at my home address."

PHILADELPHIA, PENNSYLVANIA—Sydney Tellis: "Please inform C. R. Bendes that WHBI broadcasts only on Sundays and Mondays and is a hard station to get even in this neck of the woods!"

LAKEWOOD, OHIO—A. C. Metcalf, 1597 Saint Charles Avenue: "I have just received my fourth edition of RADEX and was surprised to find my name in it. I have heard 350 stations with a veri record of 83. Some of my good catches are: KFBK, KFPY, KGEL, XEAC, XETW, XEXA XEGW and XEUZ."

KANSAS CITY, MISSOURI — Gerald Harris, R739-Kans. 5: "There have been quite a few changes in St. Louis since the last time I wrote. KWK, a blue NBC and Mutual outlet will surrender its blue affiliation.

OSWEGO, NEW YORK—Connie Sideris (R1740), 144 East Fifth St.: "I can give you the following list of some Greek programs broadcast in the United States. On Sunday at 1:00 over WBNX, at 1:30 over WBNX, and again at 7:00 over WBNX, at 7:30 over WHOM. On Tuesday and Wednesday over WARD at 10:00 and WLTH at 10:30. On WWRL at 9:30 Wednesdays and at 8:00 on Sundays. In Pittsburgh on WWSW at 10:00 a. m. Sundays and KQV at 10:30 on Saturday. In Philadelphia on WTEL at 2:30 p. m. Sundays. In Memphis on WMPS at 2:00 p. m. Sundays. In Baltimore at 2:00 p. m. Sundays on WCBM. In Chicago on WEDC at 7 p. m. on Saturdays, and on WSBC at 9:30 p. m. Thursdays."

GLEN COVE, NEW YORK—William McMahon (R1757), 6 Central Street: "Every time RADEX comes out, I like it more and more. The articles are very interesting and invariably contain some data on long, short, and medium wave stations that is of help to me."

ASBURY PARK, NEW JERSEY — Kyle C. Bonifield (R1318), 519 Asbury Avenue: "I would like to ex-

press my views on what should be the basis for a claim of having heard a new station. Since receiving a signal is dependent upon two major factors as far as transmitting end is concerned—both of these can affect the reception of a signal. These factors are a change in location of the station and a change of equipment of a station. Since DXing is the reception of a signal (generally speaking) I believe the two reasons I listed are the only sound basis for claims to new stations."

**HYDE PARK, MASSACHUSETTS**—Kenneth Brown (R849), 1119 Hyde Park Avenue: "Last week I bought a HALLICRAFTERS Sky Champion. I have already heard about two hundred and thirty stations on the broadcast band in all states this side of the Mississippi as well as in Texas, New Mexico, Nebraska, Oklahoma, Kansas, Louisiana, Arkansas, Missouri, Iowa, and Minnesota."

**OKLAHOMA CITY — OKLAHOMA**—Jack Stephenson (R1470), 2721 No. W. 21st Street: "What has happened to our old friend Dr. J. R. Brinkley? I haven't heard XERA for some time now. Does anyone know the reason?"

**ELKHART, INDIANA**, James O. Weaver (R1397), 2317 Pleasant Plain Avenue: "CMQ is on 690, kcs., CMBC is on 780, CMKN is on 640 and CMJN on 610 kcs. On August 3, I purchased a new HALLICRAFTERS Sky Buddy. I am very pleased with its performance."

**SPRINGFIELD, MASSACHUSETTS**—Hal Robie (R1691), 30 Merritt Street: "While DXing on the morning of August 4, I heard a station on 1340 kcs. on which the announcer was speaking Spanish. A recording of the "Umbrella Man" and "Deep Purple" were heard. The signal was barely perceptible and was partly covered most of the time by WSPD. At 2:00 a.m. I barely heard the announcer say, "Ladies and Gen-

tleman station W— is now signing off." I was so surprised to find the call beginning with "W" that I missed the other three letters. Consulting RADEX, I found that WPAB, the new Ponce, P. R. station operates on that frequency. Could that have been the station I heard?"

**GOSHEN, INDIANA**—Bob Brown (R1151), 721 South Ninth Street: "Peter Danko's mystery station on 650 kcs. is 1YA. The program is a rebroadcast of the full news bulletins from the BBC's transmission. It is also carried by 2YA, 3YA, and 4YA. I am setting a goal of 18 TP's verified by next Summer. I have just KGU and 1YA now. If reception is as good as it was in February the goal shouldn't be too difficult to attain. At that time I heard 2YA, 3YA, 4YA, KGMB, 4QS, 2CO, 2BL, 2NR, 4YZ and a couple of others."

### COVERING THE CONTINENTS

In this department of our column, you'll find reports and more reports! Just a word in case you might wish to contribute to its pages in a succeeding issue. We will appreciate your assistance and ask that you write your reports clearly, and use only one side of the paper. Reports should contain material which will interest the average reader. Essentials are the time and frequency on which the station was heard, the call letters and location as well as interesting data on program material which may aid others to identify the station. Letters requesting a personal reply should enclose return postage. All others will be acknowledged through this column.

### Domestic Dialings

"K" Calls in the West: KSTP has been using their new 50 kw. transmitter for several months now. Besides NBC red network programs, they carry some Mutual broadcasts after midnight...KWLM is a new station located at Willmar, Minn. They expect to go on the air on

Sept., 28, and are undecided about network affiliation. (V. B. Skellinger Elk River, Minn.)

KFUO on 830 kcs. just put into use a new single tower antenna which was erected along side of the old two tower affair. KFUE operates daytime only with 1000 watts and has application for 5000! . . . KXOK on 1250 kcs. is building a new antenna—also a single tower, over across the river in Venice, Illinois. When completed in October, the station will change frequency to 630 kcs. and use 5000 watts full time. (Walter V. Scholz, 2nd, Webster Groves, Mo.)

KFUO sent me two swell souvenirs, a copper ash tray and a Bible. (Phil Potter, R1547, Washington, R. I.)

KIDO sends a very neat veri card in white with a picture of "Kido" their cat, and a picture of the KIDO studio. . . . KMPC verified with a government post-card with print in black and red. Call is in red and in large letters. (Frank B. Lee, R695, Wildwood, N. J.)

KOME means Kovers, Oklahoma's Magic Empire. . . . KWYO and KDFN were heard on election return broadcasts. . . . KFNF carries Mutual programs but is not a regular affiliate. (Weston Richards, Zion, Ill.)

KDYL, KWJB, KFWE, KEUB, KWYO, KIDW, KOKO, KOBH, KFPA, KIT, and KOB were all heard during very good reception on September 13 and 14. KIT was logged after sunrise at 6:41 a.m. (James O. Weaver, R1397, Elkhart, Ind.)

KFRC has increased its power to 5000 watts unlimited time. . . . KYUM in Yuma has boosted power to 250 watts. (Gerald Harris, R739—Kans.5, Kansas City, Mo.)

KFRO in Longview is now on 1340 kcs. with 1000 watts. WSMB in New Orleans is being heard much stronger in the evenings here. (Pat Webb, San Antonio, Texas)

KOY in Phoenix has changed frequency from 1390 to 550 kcs. (Jack Stephenson, R1470, Oklahoma City, Okla.)

KMOX seemed very glad to get a report of reception. They answered with a two-page letter, typed single space, full of facts concerning the station and transmitter. They also enclosed a "Voice of St. Louis" seal. . . . KOA in Denver can be heard here any morning. . . . KNX and KSTP were heard with weak signal last night. WOW in Omaha and WHO in Des Moines were also heard with very strong signals. (Hal Robie, R1691, Springfield, Mass.)

**"W" Calls In The East:** WDAK, the new station at West Point, Ga., verifies by post-card. . . . WCKY's postal veri has a picture of the transmitting tower. . . . Noticing that Don Morrison verified KGFL by sending a self addressed post card, the same idea was used on WLVA who verified promptly after ignoring two previous requests. . . . WSPA verified with a very friendly letter stating that they were very glad to have received the report, and that the technical data was of value to the engineering staff. . . . WARM has been heard several times and verified. . . . WGBR was heard testing on August 7. . . . WHO verified in less than a week with their attractive green and yellow card. . . . WNEL was heard on August 6 at 10:30 p.m. They were picked up earlier in the evening, but the call was not identified until then. . . . (Hal Robie, R1691, Springfield, Mass.)

WMEX is on 1470 kcs. with its new 5000 transmitter. . . . WHEB is now on with its new power of 1000 watts. (S. R. Morss, R1049, Bradford, Mass.)

WMIN on 1370 kcs. is on the air all night every Saturday night with

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**YOUR COPIES OF RADEX WILL  
BE RESERVED. SEE PAGE 96**

A request program. . . WLOL is on 1300 kcs. and uses a two tower directional antenna system. . . . WDGY on 1180 kcs. has a permit to change power to 10 kw. days and 5 kw. nights with a change in frequency to 1100 kcs. Construction has started on a new antenna system. . . . WLB on 760 kcs. carries a few sustaining programs of the NBC blue network, through the courtesy of WTCN. (V. B. Skellinger, Elk River, Minn.)

W9XC on 1000 kcs., located in Des Moines conducted a test on Aug. 21, from 2:30-2:42 a.m. . . WHAZ operates Mondays only from 6 p.m. to midnight. . . WTMC stands for "Welcome To Marion County". . . . WSYB finally verified my report of April 12 on August 31st. . . RADEX lists Hillis Holt as verie signer for WSPR. He is now with WOV. Quincy Brackett, Pres., signed my WSPR verification. WTAQ has a frequency check every second Tuesday from 4:15-4:30 a.m. (Eugene Francis, R2001, Bronx, N. Y.)

WKZO joined the CBS Network in July. It is the only affiliate of this network in the state outside of Detroit. WKZO became CBS' 120th affiliate. (David Wing-Scobie, R1687, Moore Park, Mich. )

WKAT is now verifying correct reports. (Vernon Lee Gibbs, Lexington, Ky.)

WCBS on 1420 kcs. in Springfield, Ill. announced on July 22 that it will carry NBC programs. (Julius I. Krupp, R1369, Chicago, Ill.)

WJHO asks for reports saying they will verify without return postage. . . . WLS comes on the air at 6 a.m., WJJD at 6, WDW at 6:30, WMBI at 7, WJR at 5:30, WHAS at 6, WSM at 7, WHO at 7, WIBC at 7, WIBW at 5:30, XEAW at 5, WHIS at 5, and WEDC, WHOM, WNEW, WJBK, WNOE, KXYZ, and KPAB stay on all night. (Bryce D. Ping, Columbus, Ind.)

Three Utah stations have been grouped into a full time regional network, and simultaneously the network became affiliated with the Mutual Broadcasting System.

The stations, KLO in Ogden, KOVO in Provo and KEUB in Price are now grouped in the Intermountain Network, with KLO as its key station. Studios and business offices of the new network are in the McIntyre Building, Salt Lake City.

WINN in Louisville and WLBK of Bowling Green, Ky. came on the air early in July. (Dawson Y. Davis, Indianapolis, Ind.)

Dalton is to have a station to be completed in 90 days and to operate on 1200 kcs. with 250 watts power, unlimited time. (John D. Long, R1273, Dalton, Ga.)

WOC tests from 2:30-3 a.m. on the first Wednesday of each month. . . . WOPI and WRAW carry both NBC red and blue programs. . . . The Mason-Dixon network consisting of WILM, WDEL, WGAL, WAXL, WKBO, WEST, and WORK have joined the Mutual Broadcasting system. . . . WBRW was heard testing on August 28 at 4:30 a.m. (Weston Richards, R101, Zion, Ill.)

WLPM signs off at about 12:07 a.m. on weekdays. . . . WBAB is clear at 6:30 a.m. . . . WGTM, WCSC, and WHAM have nice blue and white veri cards. . . . For C. R. Bendes: WHBI runs from about 1 p.m. Sunday to 7 a.m. Monday morning of each week. (Orestes Zoniades, Reading, Pa.)

WJOB in Hammond, Ind. is the new call for WWAE. . . . WALB in Albany, Ga. is the new call for WHPC. (Gerald Harris, R739-Kans.5, Kansas City, Kans.)

WMEX changed to 5000 watts and 1470 kcs. . . . WNLC raised its power to 250 watts. Pawtucket, (R. I.) will bear the call WFCI on 1390 kcs., 1000



*Jack Wells sends us this black and red verification that he received from amateur station KA1JP in Manila, the Philippines.*

watts. (Phil Potter, R1547, Washington, R: I.)

WINN had a frequency check on the morning of August 26. . . WEDC signed off for the program. . . WJPF was heard testing on August 29 to September 7. CJGX, WSAU, WSKB, WJHO and WSAZ were all heard testing on the morning of September 4, (Jim Palmer, R1201, Winnetka, Ill.)

WCMI sends a most attractive card with an outline of the state of Kentucky, large blue call letters and a vari-colored design. A card every DX fan should have. (Frank B. Lee, R695, Wildwood, N. J.)

WHO sends a yellow card with letters in black and green. . . WJR sends a card picturing a vertical antenna which is 733 feet above ground. . . WRVA verifies with a white card with letters in red and blue. (Charles Adams, Jr., R1784, Philadelphia, Penna.)

WFMD will operate unlimited time instead of only daytime hours as previously. (Emory C. Stewart, R858, Washington, D. C.)

**Canada:** CKCL on 580 kcs. in Toronto was heard with very nice signals at 9:42 p.m. (James O. Weaver, R1397, Elkhart, Ind.)

CFCO has a DX period every Sunday from 9-9:30 a.m. . . . CBK can

be heard with R9 signals usually—on 540 kcs. (Vernon Lee Gibbs, Lexington, Ky.)

CBL in Toronto was heard on Aug. 5 relaying London at 9:15 p.m. (John D. Long, R1273, Dalton, Ga.)

CBA verification bears a stamp which states that the card was passed by censor and gives the censor's number. . . CFCY at Charlottetown was heard on Sept. 24 from 10-11 p.m. with weak signals. The station battled its way through WPRO. . . CKOC in Hamilton, Ontario verifies with a card on which is stuck an EKKO stamp. . . CHSJ in Saint John, New Brunswick sends a folder with a large view of "Studio A" and a small map showing the location of the station. The Admiral Beatty Hotel, in which the station has its studios, is shown on the back. The identifying information given in your report is checked as being good, fair, or indefinite. Mine was checked as being good. (Hal Robie, R1691, Springfield, Mass.)

#### Latin America

**Cuba:** CMCM was heard with a good signal on the morning of the 24th until 3:00 a.m. They were first heard through WWL. Reception was poor until the Louisiana station signed off. CMCY and CMHI have also been heard with fairly good signals lately. (Hal Robie, R1691, Springfield, Mass.)

CMCK's veri shows an exterior view of the Havana Yacht Club, where the station is located. (Eugene Francis, Bronx, New York)

CMKU was heard on a regular program after midnight. . . CMQ signs off at 12:20 a.m. and is on 690 kcs. (Weston Richards, R101, Zion, Ill.)

**Mexico:** XEG on 1050 kcs. in Monterrey verified okay. Reports should be addressed to Bill Guild (announcer) c/o Radio Station XEG. Box 1939, San Antonio, Texas. (Bob Botzum, Reading, Penna.)

XEG come on 1050 kcs. in the middle of July. They now announce as a 50000 watt station. Most of their programs are in English and are for U. S. consumption. (Pat Webb, San Antonio, Texas)

XEMO veri was received as pictured in a recent RADEX. . . XEQ in Mexico City was heard with a very good signal on the morning of the 4th of August from 2:35-3:04 a.m. at which time they signed. . . It has been noticed in RADEX that readers have had trouble verifying XERA, XEAW, or XENT. I received all three promptly and XEAW was verified without sending return postage. It will be interesting to see what happens when the Havana Conference pact becomes effective. An account of Dr. Brinkley's life was read recently. In it he states that he is all prepared for just such a thing. It is hinted that he has at least one plan worked out for remaining on the air. It was mentioned, among other things, that he might put powerful transmitting equipment aboard an expensive yacht which he owns and cruise just outside the three mile limit. Such a plan, however, would seem to have its disadvantages. (Hal Robie, R1691, Springfield, Mass. )

XENT recently changed their frequency from 910 to 990 kcs. They use the slogan—"The Voice Of The Continent". . . XET in Monterrey has also changed frequency from 690 to 1040 kcs. although the latter frequency is not definite. (Jack Stephenson, Oklahoma City, Okla.)

XENT heard on 990 kcs., and XERA on 960 kcs. recently. (Phil Potter, R1547, Washington, R. I.)

#### **Tuning The TA's**

Nothing of news to be reported on this phase of DXing as yet. What the winter months hold in store for DXers remains to be seen. One thing is certain—the high power French

stations which were heard so often last year will be missing from the dials this season. Stations all over Europe will be observing very irregular and abbreviated schedules, which may or may not affect their chances of being heard over here. Let's wait and listen for what the cold weather may bring in the way of TA DX.

#### **TP Topics**

Listeners shooting at targets across the Pacific ought to begin getting results pronto, for we are now well into the "peak period" for reception from New Zealand and Australia and this column is looking forward to a lot of reports for this particular section next issue. There hasn't been any startling changes "down under" and you'll find your old favorites at the same spots on your dials these early mornings just before sunrise!

#### **LAST MINUTE ITEMS**

Peter C. Landry forwards word that he'll be participating in the Radex Contest. . . WOCB heard on September 29, by Alton Caldwell of Brockton, Mass. Signals were very weak even in this location only 50 airline miles from the transmitter in West Yarmouth. . . WGAN is now using 560 kcs. . .

And just in case another edition of this department doesn't reach you before December 25, why we'll wish everyone the best Christmas ever!

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**YOU BENEFIT FIVE WAYS**

**SEE PAGE 96**

# HAM HOUNDING

By OWEN CALLIN

Send your reports for Ham  
Hounding direct to

Owen P. Callin  
61 W. California Ave.,  
Columbus, Ohio

There can be no doubt about it... the 1940 DX season has arrived. Even as I write this the ten-meter hams are rolling in R9 plus, and brother tuners, when ten meters opens up, it's here!

And although we haven't such a prize as a HALLICRAFTER DEFIANT SX24 to offer contestants in our ham band contest, we do have an additional prize to offer the DXer in first place when the end of the contest rolls around—furthermore, fellow Hounders, it may be that even more prizes may come our way. So all of you had better begin figuring up those scores and start tuning in the hams.

To our first place winner will go \$1 credit towards the purchase of foreign stamps from the Return Postage Bureau, Rutherford, N. J. Walter Koester, the manager, has kindly donated that as an additional prize. Don't forget that first and second winners will get a writeup and their pictures in Radex.

So far, the Texas kid, Cliff Tavener, is leading the pack, but we're still waiting for reports from others who are still counting up their scores. Here's how the first five stack up:  
Cliff Tavener (R716)...23,184 points  
Jack Wells (R1502).....17,544 "  
George J. Eder (R811)...16,296 "  
Weston Richards (R101).. 2,100 "  
Ralph Kastner (R1088).. 627 "

Many of you have written in to ask about the W hams. Once more, let me again say that each W logged and verified may be counted in your total number of veris, which you multiply by the number of countries you have to get your score.

William Pieper (R621) suggests that only three W stations in each district be counted, but we feel that although it costs more to contact a foreign veri, each listener has an equal chance. If a contestant can ill afford to go out for the foreign veris because of the high cost of return postage, he can log thousands of W stations and verify them to get a decent score.

Bill also suggests that the station need not be verified, only logged, since SWL's are all pretty honest. That's very true, but the ear often deceives one when listening to a "toughie". Haven't we all at one time or another thought we heard a certain station, but when we got the answer back to our QSL request we found it was someone else we heard?

So we will have to ask that only veris count—not because we are not honest, but because of possible QRM—hi!

## QRA and QSL

Since so many of you like this part of the column we'll make a regular department out of it and call it the QRA and QSL Department. It will be a regular clearing house for those who need addresses and those who wonder whether certain stations will QSL.

Frank Kosik (R1724) gives the address of PK6XX as Tanque Verde Ranch, P. O. Box 1831, Tucson Arizona.

YS1MS is M. A. Sol, Avenida Espana 57, San Salvador, El Salvador, according to Bill Pieper, who would also like the QRA's of

**YOU BENEFIT FIVE WAYS  
SEE PAGE 96**



YS1JGM, CP3AB, CP3AC and CP1XA.

YP1MS is Elias do Amaral Souza, Rua Alberto Torres 221, Petropolis, Rio de Janeiro, Brazil—this from Charles Marion (R724), who kindly forwarded the address to Meredith Stroh, who requested it.

Charles has HP1A and PY2BH logged as prompt QSLers, so try them again, you DXers who have failed with these two.

Glenn J. Thormann (R1643) wants the QRA of K6SIZ. There is a W6SIZ in the Callbook so it may be the same chap.

George J. Eder (R811) wants the following QRA's; KC4USA (we want that one, too), K4GTH, K4GSG, K4DSE and K7HAR. Phil Bates (R1231) wants the QRA of K6FRZ and K6SWV.

Another list of Non-QSLers: CO60M, CO2BA, CO2GY, TI2RC, HI3N, HI5X, K4EGZ, CE7AA, YV5AV, CO7CX, J2IB, EA7BA, YV1AQ, CO2WM, VV1AQ, HH2B, CO2WM, YV4AE, CO8JK, CO2GL, HI6Q, YV5ABE, LU5AN, PY2DA, PY1BE, HH5PA, HP1A, CO7VP, PY1IM, YN1AP, HH2HB, YV5AK, HK3CI, HK1AW, YN1IP, YV1AV, K4UG, CO8MP, CO2GO, HH5CO, YV5ABY, XE2AF.

#### Personality Parade

Our ham of the month is one well-known because of his activities on 20 meters. Not since we described our friend LU8AB, the beloved "captain", have we presented an Argentine amateur to our readers. But this time, we want you to meet LU5CK, Javier Eduardo Polede of Buenos Aires, who will be angry if you call him anything but "Ed."

Ed is an old-timer, having had his license since Jan. 10, 1929. That he has been intensely interested in his hobby is proven by an impressive record in radio contests.

In 1932 he tied with five other hams for first place in the Argentine Ama-

teur Day put on by R.C.A. In the first International 56 mcs contest, won by W6LQN, Ed took fourth place. In the second contest he also placed fourth. In 1939 he won the Radio Revista and Revista Telegrafica contests.

LU5CK is a writer and his articles appear in publications all over South America. In 1930 he was the Argentine correspondent for the Spanish newspaper, "Radio Sports."

For the past seven years he has been the operator of the Buenos Aires police station LPZ.



Javier Eduardo Polede

Ed's equipment consists of 200 watts input using a Taylor T125 tube in the final and modulating with two TZ40's in Class B. He works 20 meters mostly because of the DX. Until QSO's were banned between W's and foreign stations, Ed needed only five states for his WAS. His country and zone score was 36 and 23.

He is also a stamp collector and will exchange with anyone else interested in philately.

Ed will be glad to QSL for SWL's, but because he is heard so often and receives so many reports, they must be accompanied by return postage—either international reply coupons or unused Argentine stamps.

#### Amateur Frequency Shift

Pursuant to agreements made at the first Inter-American Radio Conference, held in Havana in 1937, the FCC is shifting certain amateur frequencies, effective November 1, 1940.

Following negotiations between the Commission and the amateurs, it was arranged for the amateurs to relinquish the 1715 to 1750 kcs. band, and to accept the frequencies between 2000 and 2050 kcs. in exchange.

The American Radio Relay League has begun the third in a series of radiotelegraph code speed tests, the results of the first two having shown an excellent response.

Communications Manager F. E. Handy said that 85 per cent of those participating qualified at 20 words per minute or more, and over 65 per cent were rated at 25 w.p.m. or above. Three hundred operators had improved their speed 5 w.p.m. since last month's run.

The goal has been set at 5,000 operators qualifying at 20 w.p.m. or over. More than 2,000 ops submitted satisfactory reports last month.

The official headquarters station W1AW transmits practice text material nightly except Friday for a half hour at 9:15 p.m., EST, on 1761, 3825, 7280, 14254, and 28510 kilocycles. Sending is by automatic tape machine for precision and each speed is carefully calibrated. Qualifying runs are made at 15, 20, 25, 30 and 35 words per minute.

This issue we are welcoming to our ranks Fred Boicheidt of Milwaukee, who has been free-lancing for two

years. He has never joined a club but after getting in on one of these parties we throw every issue he decided to toss in with us. And we'll gladly accept any tips he sends us.

Another first report comes from T. E. Smith, Jr., from way down south in Orlando, Fla., where they have a dozen or so lakes inside the city. Charles Adams, Jr., of Philadelphia, proudly flaunts his new number, R1784.

Back into the fold comes Albert Pickering of West Medway, Mass., who just purchased his first Radex in a long time. Charles Marion of New Orleans, suh, has ceased a long silence. Reports welcomed, fellows.

Many of you have asked for dope on W hams. Next issue we will try out something new, so be prepared. That's all we'll say about that for now, and with no more ado we'll look over the DX reports:

ALASKA—Don't forget to send reports of K7EXE to W6EXE. K7ENA is a new Alaskan heard on 14220.

ARGENTINA—LUIDA and LU8AB are both operated by Felix Gunther, the old "captain." His QSLs are Rueda del Oeste cards. LUICA QSLs with a orange, white, black and silver card.

CANAL ZONE—NY1AA is being heard on 20 meters. The QRA is Box 505, Balboa, Panama Canal Zone. K5AM verifies all correct reports. K5AP puts a curl on the "F" to make it a "P" and verifies with K5AF's card.

CANTON ISLAND—Although KF6JEG is now working on Jarvis Island, Canton is reresented these days by W7DBR/KF6, who operates a medium-powered portable transmitter. He has considerable trouble in getting through the American phone band QRM on 14250 and is usually on about 4 - 5 a. m., talking to his folks back home in Oregon or to W6IVV, who handles his traffic.



IRAQ—If you happen to hear Y12BA, his QRA is A. Kerim, Port Basrah, Iraq.

JAPAN—A mystery Nipponese station on 14060 heard with a strong signal early in the mornings and signing no call is believed to be J5CW. J2XA, the popular station of Dr. Susumu Takasaki of Mite, near Tokyo, now is on 40 meter phone, according to his latest letter. He has a new QSL with large green letters imprinted on a photo of his country home. New Jap QRA's furnished by Cliff Tavener: J8PK—K. Hirakawa, 97 Kiyomicho, Dairen; J8PG—Yoneji Itoh, 220 1-Chome, Shotokukai, Dairen; J6DF—Morioka Iwate, 3 Tuwri N, Oyamada, Japan.

Flash!!!! J5CW has sent 100 of his QSL cards to Cliff Tavener with the request that Cliff send them to the CWL'S and has that J5CW failed to QSL. So if any of you should have his card and haven't, write to Cliff Tavener, Rosenberg, Texas, and ask Cliff for one of them. Help Cliff out, however, by sticking a return stamp in your request.

JARVIS ISLAND—KF6JEG/KG6 took to the air Aug. 13 with somewhat weaker signals than the strong one that characterized his station on Canton Island. Because of a heavy traffic sked, Henry finds little time to work the W's and ragchew. Frequency is 14180, time usually near 2 a.m.

LITTLE AMERICA — KC4USA, USB and USC all reported—we even heard the Snow Cruiser ourselves near the top end of the 20-meter band. KC4USP told K6GAS (reported by Mel Fisher) that it had reached 70 below at the West Base! A W4 in a sked with KC4USA said that an SWL club had written to him asking if SWL reports were to be verified. KC4USA replied that if he verified SWL's he would have to get several thousand extra QSL's—so evidently a veri of the Byrd outfit is beyond question, boys. 'Stough! (ADXC.)

MEXICO—XE3BK QSL's with a

Ruede del Oeste card. XE1AM said he was glad to QSL and sends a fine yellow card with brown printing.

NETHERLANDS NEW GUINEA —Jack Wells says that PK6XX has started back to his native Papua after his summer tour in the U. S. visiting his many friends, and that he hopes to be back on the air as soon as the war ends. PK6XX sure does hop around. Reports, accompanied by a stamped prepared card or QSL with an international reply coupon sent to the QRA of VK4HN will reach him. He has verified for many with a photo card. Charles Marion's best QSL is from VK9WL at Salamaua, New Guinea. The VK ran 15 watts input from a 6-volt car battery generator at the time.

PARAGUAY—ZP3AC and ZP2GA both operate on the low side of the 20-meter band, both are Ruede Del Oeste members and both QSL promptly. 2GA is evidently a transplanted Englishman from his name—"Chippendale." "Chip" is located in the middle of the Gran Chaco, uses a six-volt accumulator and vibrator to run his ten watts.

PERU—OA4R QSLed with a Rueda del Oeste card.

PHILIPPINE ISLANDS — New station of the month is KA1AR on 14260, who is getting out despite KA1BB's kilowatt parked on his frequency. KA1ME recently had several hundred refugees at his shack from Hong Hong, for whom he handled messages to the States. KA1HQ is off the air and has been ordered to cease phone operations by the Fort William McKinley army officials. Limited operation is being allowed on CW. Reason is "a heavy amount of traffic and interference with army communications." KA1AK, located at the fort, is still allowed to operate so there must be some mystery behind it. KA1CM on 14060, "Pop" Mitchell, 15 Don Jacinto, Caridad, Cavite, P. I., is being heard as early as 2:30 a.m. KA7FS still remains the most popular KA heard. He's on

14130 and is heard from 7 to 10 a.m.

**PORTUGAL**—Illegal operation is evidently being practiced by some of the CT's irked by the enforced silence. A station openly signing as CT1ZA was heard Sept. 4 on the lower end of 20 meters calling a PY in English.

**PORTUGUESE EAST AFRICA**—George Eder finally received, QSL from CR6AF who gave his correct QRA as Jose de Melle, Coemba, Angola, Portuguese East Africa.

**RHODESIA**—George also has a card from ZE1JX, and although we believe those hams are silent because of the war, the correct QRA of that particular ZE is George E. Dicks, Rhodesia Railways, Shangani, Southern Rhodesia.

**SAMOA**—KH6SHS will be active only until January, 1941, so start trying for him now.

**SPAIN**—The correct QRA of EA7AV as furnished by Frank Kosik (R1724) is Joaquim Portelu, Veeder Sta.15, Cadiz.

**SWAN ISLAND**—KD4GYM is a new station on this little island of the West Indies. On 14240, he may be heard from 7 to 9 a.m. and 7 to 10 p.m. Mail to him may be sent U. S. Weather Bureau; Swan Island, West Indies. Al Pickering also reports KD4GYM on "San Juan" Island but we believe Swan Island is correct.

**TIBET**—Bill Pieper has heard that AC4YN is now on phone but frequency is unknown. When on CW he was on about 14250.

**UNITED STATES**—W3ADI, Allan R. Muncey, 104 Wesley Ave., Collingswood, N. J., welcomes SWL reports and requires no return postage. He operates on 14176. W5VV in Austin, Texas, is Wilmer Allison, the tennis star. He operates on 5, 10, and 20 meters. The call W8USA was assigned for use at the national glider meet at Elmira, N. Y., and was good only until Aug. 1.

**WAKE ISLAND**—KC60KS has left for Guam to continue his work

with government, flashes Jack Wells. In a QSL scribbled on a Mackay Radio cablegram, the op described his rig as a 6L6 osc., 807 final, push-pull 2A5's modulator, two stages 56 speech, and a six half wave beam on the U. S. He'll probably be signing KC6OKS/KB6 portable while on Guam but the grapevine says he'll be back in the States in October. So a QSL to his home QRA at W60KS will probably reach him quickly.

**CREDIT**—For their excellent reports we would like to thank Jack Wells (R1502), Phil Bates (R1231), Charles Marion (R724) George Eder (R811), Bill Pieper (R621), Cliff Taverner R716), and all the others. Keep up the good work, fellows. And thanks for those SWL cards. You'll all get mine as soon as they're printed. I'm holding off for a while because of a possible change of address.

**CHATTER**—Will do my best with the VK's in Tasmania, Jack, but don't expect too much—they may all be fighting . . . . the broadcast band is keeping Weston Richards (who incidentally is 15 now) pretty busy. . . . Greetings, Mel Fisher, fellow columnist, and thanks for the good dope you sent in—how about some more? . . . . Al Pickering has Herbert Bell's record broken, he thinks—from 10:30 p.m. to 2:30 a.m. Al logged 29 countries on his Atwater-Kent; incidentally, Al now has a SKYRIDER DEFIANT SX24, so we'll expect a good report.

We're youthful—Phil Bates and Harry O'Meara are only 15 years old but they can pull in the DX. . . . Phil has HAC, needs Asia for his VAC, Idaho for his HAS—is an English boy, born on the island—has heard 38 countries and has QSL-ed 19. . . . Jack Wells would like to know the whereabouts of PAoAA. . . . and that's all boys and girls. Next time the first reports of the DX season will be in and we expect some good ones. Don't forget that new idea next time—and I would like some comments on it.

## Quick Index

The 1940 issues of RADEX may be purchased for the regular price of 25c each. A quick index of features which have appeared in RADEX this year follows:

- Jan.-Feb. High Frequency Broadcasting Stations; Radio Stations from 4320 to 5750 kcs.; North American Broadcasting Stations with Weekday time on the air.
- Mar.-Apr. International Prefixes; Radio Stations from 5758 to 8580 kcs.; North American Broadcasting Stations with mailing addresses.
- May-June Turner Dial Discusses Servicing; Venezuela Stations; Peruvian Stations; La Paz, Bolivia Stations; Colombian Stations; Frequency Checks; Radio Stations from 8600 to 15270 kcs.; North American Broadcasting Stations with names of verification signers.
- July-Aug. Radio Stations from 15280 to 39360 kcs.; Frequency Modulation Channels.
- Sept.-Oct. The Radex Contest; QSA and R Codes; This Hobby Called DXing; The Spanish Alphabet; International Prefixes; Radio Stations from 39380 to 138960 kcs.; Television Stations; Frequency Modulated Stations.

**Reporters living in the Mountain Standard and Pacific Standard Time Zones may send their reports direct to**

**Melvin Fisher  
1401 Bancroft Way  
Berkeley, Calif.**

# ON THE WEST COAST

By MELVIN FISHER

How many of us have stopped to think how really important our hobby is, aside from the genuine pleasure there is in it for us?

Radio is the most modern of the methods of communication, as well as a source of entertainment and education. Its past accomplishments and benefits to humanity are known to all. Much can still be learned about radio, and its future is intriguing and unpredictable. There's a slight tinge of adventure about the whole thing that should make it more attractive to every DXer.

Since we are all blessed with various talents, and are, of course, not all scientists and radio engineers, there is the possibility we may delude ourselves into thinking we can play no part in the advancement of this science.

Such an attitude would be far from the truth. The information on reception conditions in our reports submitted for verification are of help and interest to the station engineers, and many times this information guides or influences them in the steps they take to obtain improvements in their transmission and coverage. Hence it is seen the more accurate our report is, the more valuable it is.

We have all had disappointments in stations not replying, or showing lack of interest, but unfortunately, like people, all stations do not have the spirit of progress. The percentage of this kind is very small, though, and should not discourage us in the least. You will find the vast majority to be appreciative of your reports, and oftentimes enthusiastic.

In turn the verifications are often of help to us. They give us information on station schedules, and frequently tell us items of interest and information on the localities or countries to which we have reported. So it is seen that in the long run reporting to stations is mutually beneficial to the station operators and the DXers.

There is a satisfaction in logging a distant station that can be likened to a victory in a sports competition—there is a deeper satisfaction in verifying it.

We should like to refer you to another section of RADEX wherein is described the Radex DX Contest, and the fine new prize which has been donated by Mr. W. J. Halligan and Mr. Royal Higgins of The HALLICRAFTERS, Inc. of Chicago. Needless to say, we ardently hope that this SKYRIDER DEFIANT Receiver will go to someone in our district; we urge you all to enter and to do your best. We have some very good DXers out here who can give any of them "a run for their money."

Please send your contest standings direct to RADEX, Emerson, N. J. but when you write to this department, please let the writer know your standings. We shall list the reports from West Coast readers in "ladders" in this column.

So clip the coupons and mail them to RADEX, fellows, and until next issue—good DXing!

#### BROADCAST BAND

WM. CUNNINGHAM, HOLLYWOOD, CALIF.—"CFGP, Grande Prairie, Alta., will increase to 250 watts by the time this is read. CKRC, Revelstroke, B. C., is a new "smallie" on 1500 kc. with 100 watts. WFCI is the call assigned to the new Pawtucket station. The old WFCI in that same city left the air twelve years ago. XEMA on 1340 kc. and located in Fresnillo, Zacatecas, is a new Mexican, as is XERL on 1240 kc.

with 250 watts in Colima, Colima."

GERALD WEBB, LONG BEACH, CALIF.—"I heard KYCA on an equipment test July 28th. They said they would start operating August 3rd. They also said they would send souvenirs to reporters and a special reward to the most distant listener."

T. P. VASILOPOULOS, LOS ANGELES, CALIF.—"I am an Eastern DXer of some seven years back. Since coming to the Coast I have built an 8-tube superhet, and would like to test its capabilities in the realm of foreign catches on the BCB."

MOE LUFF, BRONX, N. Y.—626 E. 179th St.—"I am compiling a list of radio station call letters and what they represent or stand for, as individual names, companies, locations, or slogans. I will be very much obliged if your readers will send them to me with particular reference to the KF, KG, and KI stations."

CLARENCE LEE MUSTOE, BRADY, MONTANA—"I have verified every state in the Union except Maine, Delaware, Rhode Island, and New Hampshire. I have an 11-tube Philco with a 75-foot north and south antenna."

L. E. YARNES, BERKELEY, CALIF.—"What better inspiration for a successful year could a DXer have than a TP veri at the very outset of the season! I had nearly given up hope of receiving any answer to the report I sent 3ZB, Christchurch, New Zealand, last spring, when up walked the postman with a tattered envelope in his hand. Naturally I was highly pleased to find inside the somewhat large three-color card. The experience was comparable to finding a long-lost friend. The 1150 kc. Spanish-speaking station that several RADEXERS have wondered about may have been XEL. Several months ago they verified for me by letter, and stated that their station had been operating twenty-four hours

a day for the past several years. Incidentally, according to their verification, they are using 200 watts power instead of the 250 as listed in RADEX."

6PM, Fremantle, Australia, has changed frequency to 1320 kc. (RX)

XEON has been heard signing off at 10:06 pm on the new frequency of 750 kc. with their theme, "End of a Perfect Day." They said they would resume broadcasting at 2 p.m. next day.

KTOH, Lihue, Hawaii was heard in early September with good signal.

KRE, 1370 kc, now broadcasts from midnight until 1 a.m. six nights a week.

KVEC, 1200 kc, was heard with very good signal until sign-off at 1 a.m.

WGAR, Cleveland, was heard in Berkeley on September frequency check, as was WJBO, though the latter put in only a fair signal.

KOH now on 630 kc. can be heard all through the day now....while they were on 1380 they were always covered by KRE.

Portland stations KOIN and KALE have been authorized to change to 5000 watts full time.

KWLK, Longview, Wash., is a member of the MBS.

FRED A. ANDERSON, FORT MACDOWELL, CALIF., has been DXing only five months, and sends us a list of his veries. Among them are WJBO, WTAG, WHO, WTAD, WEDC, WBHP, WDZ, WLS, and WCLO. Thanks for your veri-signers list, Fred. Fred leaves for Manila on October 8th and says "that will be all until 1941." Can anyone tell us where he can send a report for KC4USC?

FRANK MACEDO, VICTORIA, B. C., has a veri from 4QS dated Nov. 6, 1939. In answer to Don Morrison of Oakland he says, "2YC did and does heterodyne 4QS. I had quite a time to get enough data on

2YC. They verified with the usual pink card, but the stenog sneaked me a note and said they were glad to hear from this continent and get a correct report on 2YC instead of the Australia station. Evidently some of the boys can't tell the difference, but you can always tell the New Zealand station as they broadcast the BBC news at 1 a.m."

KMYC now on the air—reported by H. H. Crow, Jr., Sept. 14th.

### SHORTWAVE BAND

R. A. Hayre, Salem, Oregon, sends in a swell list of veries compiled with the use of a 9-tube, 1938 Zenith. Among his veries are OLR4, YSD, 2RO4, XGOY, OZF, ZHR, VLR, JZJ, RAN, IRF, DJD, MTCY, OAX4, TPB7, 12AA, TAP, HBL and Radio Saigon. Space does not permit us to reproduce his list in full, but it is a very fine one.

HOWARD DARBO, SANTA ROSA, CALIF., a beginner at DXing, has already logged ZBW3, HP5A, KZRH, KZRF, DXB, XGOY, MTCY, JZJ, VLQ5 VLR, and many others. He likes RADEX and has already applied for membership. He has a new 8-tube Airline.

#### Australia

VLQ6, Sydney, 11830 kc., with 16000 watts is a new station. (RX)

#### China

XGOY, "The Voice of China", heard on 9650 kc. with fine signal from 6:00-6:45 a.m. News in English at 6 a.m.

XPSA, Kweichow, changed frequency from 7010 kc. to 8480 kc. (IRM)

#### England

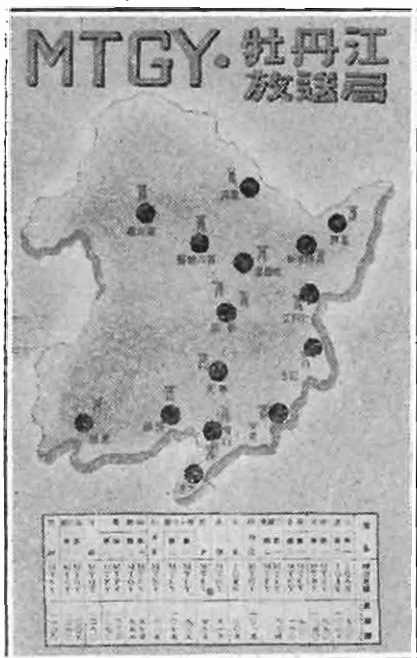
GSC and GSD heard with very powerful signals 7:30-8:00 pm. on Transmission VI broadcast to North America.

GSV, 17810 kc., heard with weak signal at 9 a.m.

#### French-Indo China

Radio Saigon verified with a nice card. They broadcast an English





*The verification card used by the stations of Manchoukuo. The same card is used by all their stations, with the substitution of the proper call letters. The background is a light shade of green, the map a light peach, the printing in black, the call letters in yellow and the locations of the cities in red. (Courtesy of William Cunningham).*

program from 2:30-3:15 a.m. as well as the regular 7:30-8:00 a.m. broadcast.

**Germany**

DJL, 11510 kc., is the station now beamed to North America in the 19 meter band: 1:50 p.m.-8:00 p.m. (IRM)

**Java**

PLP, 11000 kc., Bandoeng, heard with very good signals on the West Coast until 7:30 a.m. (IRM)

**United States**

WLWO, 9590 kc., heard after 7:00 p.m. with very good signals.

WNBI on new frequency of 11,890 kc., "not so hot" here the other night. Signal fair at best and quite variable. WPIT very good on 6140 kc. from 8-9 p.m.

**"The Pigeon-Hole"**

R. A. Hayre proudly tells us of a registered airmail letter he received from Chungking, China. It contained thirty-two stamps on the envelope.

Thomas M. Moss, Hapeville, Ga., writes us of his plan for seals, buttons and stationery for the RADEX club. We are heartily in favor of it and are curious as to the reactions of others to this idea. Should you desire to contact Mr. Moss his address is 570 Oak Drive.

Carroll Short, Jr., has "joined the exodus" and moved to Los Angeles, Calif. So Nevada, loses a RADEX member, but we're hoping many others from that state step forward to take his place.

**Reporters**

- RF Your West Coast Editor
- R839 Wm. Cunningham, Hollywood, Calif.
- R881 Clarence Lee Mustoe, Brady, Montana.
- R1245 L. E. Yarnes, Berkeley, Calif.
- Howard Darbo, Santa Rosa, Calif.
- R. A. Hayre, Salem, Oregon.
- Moe Luff, Bronx, N. Y.
- Thomas M. Moss, Hapeville, Ga.
- Carroll Short Jr., Los Angeles, Calif.
- T. S. Vasilopoulos, Los Angeles, Calif.
- Gerald Webb, Long Beach, Calif.
- Fred A. Anderson, Fort Macdowell, Calif.
- Frank Macedo, Victoria, B. C.
- R1213 H. H. Crow, Jr., Sacramento, Calif.

Note: If you have a RADEX club number, may we ask you to use it when reporting so you will not be listed incorrectly as a non-member.

# 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.

|            |  |             |   |
|------------|--|-------------|---|
| 2320 TGWC  | Guatemala City, Guat. Sun 9 am-5:15 pm; 7 pm-midnight. Other days 8-9 am; 12:45 to 3:45 pm; 5:15 pm to 12:15 am. | 5035 YV5RN  | Caracas, Venez. 4-11:30 pm; Sunday 8-11:30 am; 3:30-10:30 pm.                                       |
| 4820 YV9RN | Barquisimeto, Venezuela. 11:30 am-1:30 pm; 5:30-9:30 pm.   | 5145 PMY    | Bandoeng, Java, N. E. I. 5:30 am-noon.  |
| 4825 HJED  | Cali, Colombia. 7 am-1 pm; 7-10:30 pm.   | OK1MPT      | Prague, Bohemia.  |
| 4825 HJAE  | Cartagena, Colombia. 7 am-6 pm; 7-11 pm.   | 5460 YNOP   | Managua, Nicaragua. 8:30-9:30 pm; Sun. 2-3 pm.  |
| 4840 YV4RX | Maracay, Venez. 7-10 pm.   | 5725 HC1PM  | Quito, Ecuador. Mon, Tues, Thurs, 8-10 pm.  |
| VUC2       | Calcutta, India. 6:30 am-12 noon; Sunday, 7:30 am.   | 5820 TIGPH2 | San Jose, Costa Rica. Noon-2 pm; 7-11 pm.   |
| 4845 HJCD  | Bogota, Colombia. 6-11 pm.   | 5830 TIGPH  | San Jose, Costa Rica. 7-10 pm.  |
| 4850 YV1RZ | Valera, Venez. 11:30 am-1 pm; 5:45-8:45 pm.  | TIX         | San Jose, Costa Rica. 10 pm-midnight.   |
| 4855 HJCF  | Bogota, Colombia. Weekdays, 7 pm-midnight.   | 5875 HRN    | Tegucigalpa, Honduras. 6-11 pm.   |
| 4860 YV1RL | Maracaibo, Venez. 11 am-1 pm; 4:30-10:30 pm.   | 5885 TGXI   | Guatemala City, Guat. 8-11:30 pm.   |
| 4865 HJFK  | Pereira, Colombia. 6-10:30 pm.   | HI9B        | Santiago, Dominican Rep. 6-11 pm.   |
| 4875 HJFH  | Armenia, Colombia. 8-11 am; 6-10 pm.   | 5900 ZNB    | Mafeking, British Bechuanaland. 6-7 am; 1-2:30 pm.  |
| 4880 YVIRM | Maracaibo, Venez. 7-9:30 pm.   | 5936 PJC1   | Curacao, N. W. I. Sun. 10:36 am-12:36 pm; weekdays 6:36-8:36 pm.                                    |
| VUB2       | Bombay, India. 6:30 am-noon.   | 5940 OAX2A  | Trujillo, Peru. Tues, Thur, Sat, Sun, 7-10 pm.  |
| YV6RU      | Bolivar, Venez. Weekdays 6:30-9:30 pm.   | 5960 HI1J   | San Pedro de Macoris, Dominican Rep. 11:40 am-1:40 pm; 6-8:30 pm.                                   |
| 4885 HJDP  | Medellin, Colombia. 8 am-2 pm; 6-11 pm.  | 5968 HVJ    | Vatican City.   |
| 4890 HJGD  | Bucaramanga, Colombia. 5:30-6:30 am; 11:30 am-1 pm; 6-11 pm.   | 5975 VONG   | St. John's Newfoundland. 4:30-9:30 pm.  |
| YV1RX      | Maracaibo, Venez. 10:30 am-1:30 pm; 4:30-10:30 pm.   | OAX4P       | Huancayo, Peru. 9-11 pm.  |
| 4895 HJCH  | Bogota, Colombia. 11:30 am-2 pm; 6-11 pm.  | 5977 CS2WD  | Lisbon, Portugal. 3:30-6 pm.  |
| 4900 YDA   | Batavia, Java. 5:30 am.  | 5985 HH2S   | Port-au-Prince, Haiti. 6:30-9 pm.   |
| YV6RT      | Bolivar, Venez. 5:30-9:30 pm.  | 5990 ZEA    | Salisbury, Southern Rhodesia. Sunday 3:30-5 am.   |
| 4905 HJAB  | Barranquilla, Colombia. 11 am-11 pm; Sun, 11 am-8 pm.  | 6000 HP5K   | Colon Panama. 7-9 am; 11:30 am-1 pm; 6-11 pm.   |
| 4910 YVIRY | Coro, Venez. 6:30-10 pm weekdays.  | ....        | Moscow, U. S. S. R. 3:30-4 pm.  |
| 4920 VUM2  | Madras, India. 5:30 am-noon.   | 6005 XEBT   | Mexico City, D. F. 10 am-1:45 am.   |
| 4940 YV5RO | Caracas, Venez. 7-10 pm.   | VE9DN       | Montreal P. Q.  |
| 4945 HJCO  | Barranquilla, Colombia. 7:30-10 pm.  | 6007 XYZ    | Rangoon, Burma. Sat. 9:30-11:30 pm; Weekdays 6:30-10 am; 9-11 pm.                                   |
| 4950 YV4RD | Valencia, Venez. Noon-1 pm; 6-9:30 pm.   | ZRH         | Capetown, Union of S. Africa. 10:45 am-3 pm.  |
| 4955 YV5RH | Caracas, Venez. 6:30-7:30 am; 3:30-10 pm.  | 6010 CFCX   | Montreal, P. Q. 7:45 am-1 am; Sunday 9 am-11:15 pm.   |
| 4960 VUD2  | Delhi, India. 6:30 am-noon.  | CJCX        | Sydney N. S. 7 am-1:30 pm; 4-8:30 pm.   |
| YV5RS      | Caracas, Venez. 4:30-9:30 pm.  | OLR2A       | Prague, Bohemia.  |
| 4975 YV1RJ | Coro, Venez. 5:30-10:30 pm.  | PRA8        | Recife Brazil. 4-9 pm.  |
| 4990 YV3RX | Barquisimeto, Venez. 10 am-9:30 pm.  | 6017 HI3U   | Santiago, Dom. Rep. Sun. 12:30-2 pm; 5-6 pm; Weekdays 7:10-8:55 am; 11:40 am-1:40 pm; 4:40-6:40 pm. |
| 5010 YV5RM | Caracas, Venez. 3:30-10:15 pm; Sunday 8 am-10:30 pm.   | HJCX        | Bogota Colombia. 9-11:30 pm.  |
| 5020 YV4RQ | Puerto Cabello, Venez. 7-8:30 pm.  | 6020 DJC    | Berlin, Germany. 11:30 am-4:25 pm.  |

|                   |  |            |  |
|-------------------|--|------------|--|
| 6023 XEUW         | Vera Cruz, Ver. C. 10 pm-1 am.   | 6140 OQ2AA | Leopoldville, Belgian Congo. Sunday 5:30-7 am.                               |
| 6030 CFVJ<br>RV96 | Calgary, Alta. 10 am-2 pm.<br>Moscow, U. S. S. R. 1-7 pm;<br>8:30-9 pm.                            | KZRF       | Manila, Philippines. 4:30-11 am.   |
| 6033 HP5B         | Panama City Panama. 10:30 am-2 pm; 6-10 pm.  | WPIT       | Pittsburgh, Pa. 9-10 pm; 11 pm-1 am.   |
| 6040 WRUL         | Boston, Mass. Sun, 2-9 pm; Weekdays 5:30-8:30 pm.  | 6148 ZTD   | Durban, Union of S. Africa. Sun. 11:55 pm-3 am; Other days 11:45 pm-3:15 am. |
| 6045 XETW         | Tampico, Tams. 7 pm-1 am.  | HJDE       | Medellin, Colombia. 9:30 am-1 pm; 5-11:30 pm.                                |
| 6050 GSA          | London, Gt. Britain. 12:25-5 am; 5:40-11:30 am; 11:45 am-6 pm; 6:30-8 pm.                          | YSW        | San Salvador, E. S. 7-9:15 pm.   |
| HP5F              | Colon, Panama. 7-9 pm.   | 6152 HISN  | Moca, Dominican Rep. 6:40-9:10 pm.   |
| 6055 HJFA         | Pereira, Colombia. 9 am-noon; 6:30-10 pm.  | 6150 CIRO  | Winnipeg, Man. 3:30 pm-1:30 pm.  |
| VK9MI             | S. S. "Kanimbla." Sun, Wed, Thurs, 7-7:30 am.  | 6160 HJCD  | Nueva Granada, Colombia. 11:30 pm.   |
| 6060 WCAB         | Philadelphia, Pa. Sun, Tues. Fri. 6:30-11 pm; Wed. 6:30-8:30 pm.                                   | 6170 WCBX  | New York N. Y. Midnight to 2 am.   |
| WLWO              | Cincinnati, Ohio. Sun. 8 am-6:30 pm; Weekdays 5:45 am-5:30 am.                                     | 6175 XEXA  | Mexico City, D. F. 8-11 am; 2:30-4 pm; 7:30 pm-12:45 am.                     |
| YDD               | Bandoeng, Java, N. E. I. 5:30 am.  | 6180 LRA2  | Buenos Aires, Argentina. Sat, Sun, 7-9 pm. Other days 6-9 pm.                |
| 6070 CFRX         | Toronto Ont. 7 am-12:30 am; Sun. 10 am-11 pm.  | 6185 TIRCC | San Jose, Costa Rica. Tues, Thur, Sat, 6-7 pm; Sun. 8-10 pm.                 |
| 6090 CRCX         | Toronto, Ont. Sun. 9:30 am-11 pm; Other days 6:45 am-4 pm.   | 6190 HI1A  | Santiago, Dom. Rep. 10:40 am-1:40 pm; 6:40-9:40 pm.                          |
| KZRH              | Manila, Philippines. 4-11 am.  | HVJ        | Vatican City. Sun. 8:30-9 pm; 9-9:30 pm; Sun, Wed, 9:30-10 pm.               |
| XEBF              | Jalapa, Ver. C. 8-9:30 pm.   | KGEI       | San Francisco, Calif. Midnight-3 am.   |
| ZBW2              | Hong Kong.   | 6193 TG2   | Guatemala City, Guat. 7:30-10 am; 6-11:30 pm.                                |
| ZNS2              | Nassau, Bahamas. 8-9 am; 3-4 pm; 7-9 pm.   | 6195 HI2D  | Trujillo, Dom. Rep. 5:10-7:10 pm.  |
| 6095 IZH          | Tokyo, Japan.  | 6200 CP5   | La Paz, Bolivia. 6:30-11 pm.   |
| 6097 ZRJ          | Johannesburg, Union of S. Africa. 3-7 am.  | HI8Q       | Trujillo, Dom. Rep.  |
| 6100 WNBI         | Bound Brook, N. J. 8:45 pm-1 am.   | 6215 ....  | Saigon, French Indo-China. 7:30-9:45 am; 11:45 pm-1 am.                      |
| YUA               | Belgrade, Jugoslavia. 12:45-2 pm; 2:20-4:20 pm.  | 6235 HRD   | La Ceiba, Honduras, 8-11 pm.; Sat. 8 pm-1 am; Sun. 4-6 pm.                   |
| 6105 HJFB         | Manizales, Colombia. Sat. 5:30-11 pm; Sun. 2:30-5 pm; pm; Other days 5:30-10 pm.                   | 6245 HIIN  | Ciudad Trujillo, D. R., 5:10-9:40 or 10:10 pm.                               |
| 6110 GSL          | London, Gt. Britain. 9:30-11:35 pm.  | 6255 CPI2  | La Paz, Bolivia. 7-9 pm.   |
| 6110 XEGW         | Mexico City, D. F. 11 pm-1 am.   | 6280 HIIG  | Trujillo City, D. R., 6:40-8:40 am., 11:40 am-2:10 pm., 3:40-9:40 pm.        |
| 6112 HI6H         | Trujillo, Dom. Rep. 5-8:30 pm.   | 6300 OAX4G | Lima, Peru. Daily 6-12 mid.  |
| 6116 ....         | Saigon, French Indo-China. 12:15-12:45 am; 6-10:15 am.   | 6310 HIIZ  | Cuidad Trujillo, D. R., Daily except Sun. 11:40 am.12:40 pm., 5:10-7:40 pm.  |
| 6117 XEUZ         | Mexico City, D. F. 9 am-1 pm; 7 pm-2 am.   | 6330 COCW  | Havana, Cuba, 7:55 am-12:15 am.; un. 9:55 am.12:15 pm.                       |
| 6120 WCBX         | New York, N. Y. Midnight until 2 am.   | 6335 OAXIA | Ica, Peru. 8-11 pm.  |
| 6122 HP5H         | Panama City, Panama. 6-10:30 pm.   | 6340 HIIX  | Ciudad Trujillo, D. R., Sun. 7:40-9:40 am., daily 8:10-10:10 pm.             |
| 6125 MTCY         | Hsingking, Manchukuo. 8:30-9:30 am.  | 6345 HH3W  | Port-Au-Prince, Haiti, -2, 7-9 pm. Sun. 5-8 pm.                              |
| 6130 CHNX         | Halifax, N. S. Sat. 8 am-11:30 pm; Sun. Noon-11 pm; Other days 6:45 am-11:15 pm.                   | 6357 HRPI  | San Pedro Sula, Honduras. 6-7:30 am., 2-4 pm.                                |
| HS4PJ             | Bangkok, Thailand. 8-10 am.  | 6375 COCQ  | Havana Cub. 6:50 am.1 am.  |
| TIEM              | San Jose, Costa Rica. Sun. 10 am-p pm; Weekdays 11 am-11 pm.                                       | 6380 TIWS  | Puntarenas, C. R., 5-7, 7:30-10 pm.; Sun. 5-6 pm.                            |
| VLW               | Perth, Australia.  | 6384 ZIZ   | Basseterre, St. Kitts, 4-4:45 pm., Wed. 7-7:30 pm.                           |
| 6132 COCD         | Havana, Cuba. Sun. 5:30-8 pm. Weekdays 9 am-10:30 pm.  | 6395 HI9B  | Santiago, D. R., 7:40-8:40 pm.   |
| 6135 FK8AA        | Noumea, New Caledonia. 2:30-3:30 am.   |            |  |
| 6137 CR7AA        | Lourenco Marques, Mozambique. Sun. 5-7 am; 10 am-1:15 pm; Weekdays Midnight to 1 am; 4:30-6:30 am. |            |  |

|            |   |                  |   |
|------------|---|------------------|---|
| 6396 COX7  | Havana, Cuba. 2-3, 6-10:30 pm.<br>Fri. 8-11 pm. Sat. 8 pm.-1 am.; Sun. 7:30 am.-3 pm.                           | 7216 ZRO         | Rome, Italy. 6-7:55 pm.   |
| 6400 TGQA  | Quezaltenango, Guat. Mon-Santiago, D. R., 5:40 9:10 pm. Ex. Sun.  | 7220 EAJ9<br>HAD | Malaga, Spain. 4-6 pm.<br>Budapest, Hungary. 9 pm.-midnight.                          |
| 6430 H11S  | San Francisco De Macoris, D. R., 11:40 am.-1:40 pm., 5:10-9:40 pm.  | YDX              | Medan, Sumatra, N. E. I. Sat. 7:30 pm.-1:30 am; Other days 10:30 pm.-2 am; 6-10:30 am |
| H14V       | Santa Clara, Cuba. 6:42 am.-12:15 am.   | 7250 Y1A         | landjonkpriok, Java, N. E. I. Sat. :30 pm-2 am; other days 10:30 pm-2 am.             |
| 6455 COHI  | Guatemala City, Guat. Daily 7:45-9 am. 12:45-3:45 pm., 7:30 pm. 12:15 am. Sun. 10:30 am.-5:15 pm., 7 pm.-12 pm. | 7258 JVV         | Tokyo, Japan. 2-4 pm.   |
| 6480 TGWB  | Santiago De Los Caballeros, D. R., 5:30-9:30 pm. ex. Sun. Managua, Nicaragua, 1-2:30, 8-10 pm. Except Sun       | 7260 CSW8        | Lisbon, Portugal. Tues. 1'hurs. Sat. 5-6 pm.  |
| 6500 H11L  | San Jose Costa Rica. Sun. 11 am.-2 pm., 6-7, 8-9 pm. Daily 12 noon-2 pm., 6-7 pm., Thurs. 6-11 pm.              | GSU              | London, Gt. Britain.  |
| 6540 YN1GG | Vera Cruz, Ver. C. 8:15-9 am.   | 7270 DXM         | Berlin, Germany.  |
| TIRCC      | Ciudad Trujillo, D. R., 12:30-2, 6-8 or 9 pm. Except Sun.   | 7280 TPB25       | Paris, France. 1-4 am; 10:15 am-4:15 pm.  |
| 6550 XBC   | Puerto Plata, D. R., 5:40-7:40, 9:40-11:40 pm.  | 7284 YN11P       | Managua, Nicaragua. Sun. 10-11 am.  |
| 6558 H14D  | Managua, Nicaragua. 1:30-2:30, 6:10-15 pm.  | 7290 DJI         | Berlin, Germany. 5-5:15 am.   |
| 6565 H15P  | Rio Bamba, Ecuador. Thur. 9-11:45 pm.   | 7295 JIE         | Taiwan, 9-10:30 am.   |
| 6610 YNLG  | Ciudad Trujillo, D. R., Daily exc. Sun. 12:40-1:40 pm., 4:40-8:40 pm; also Sat. 10:40 pm.-12:40 am.             | 7310 VIG         | Port Moresby, Papua. Sat. 3-5 am.   |
| 6625 PRADO | Guayaquil, Ecuador. Sun. 5:45-7:45 pm., Tues. 9-15-11:15 pm.  | 7380 XECR        | Mexico City, D. F. Sun. 6-7 pm.   |
| 6630 HIT   | Geneva, Switzerland. Sun. 1:45-2:45 pm.   | 7410 H1CB4       | Quito, Ecuador. 7-9:30 pm.  |
| 6635 HC2RL | San Jose, Costa Rica. 7-Midnight.   | 7440 FG8AH       | Pointe-a-Pitre, Guadeloupe. Sun. 9:30-11 am; Daily 6-7 pm.                            |
| 6675 HBQ   | Bandoeng, Java, N. E. I. 4:30-11 or 11:30 am. Also Sat. 8:30 pm.-1:30 am.                                       | 7450 T12RS       | San Jose, Cost Rica. 7-11 pm.   |
| 6695 T1EP  | La Romana, Dom. Rep., 4:55-8 pm.  | 7490 EAJ43       | Tenerife, Canary Islands. 7-8 pm.   |
| 6720 PMH   | Managua, Nicaragua. 6:40-10:40 pm.  | 7520 KKH         | Kahuku, Hawaii. Sat. Sun. 8:30-9 pm.  |
| 6730 T13C  | Ciudad Trujillo, Dom. Rep., 7:10-8:40 pm. Sun. 9:40-10:40 pm.   | 7614 CR6AA       | Lobito, Port. West Africa. Mon. Wed. Sat. 2:30-4:30 pm.                               |
| 6760 YNRF  | Paramaribo, Surinam. Sun. 8:40-10:40 am. Tues. & Fri. 5:40-8:40 pm. 1st & 3rd Thurs. monthly 6:40-8:40 pm.      | 7660 YNDG        | Leon, Nicaragua. Weekdays 8:30-9:30 pm.   |
| 6760 H17P  | San Pedro De Macoris, Dom. Rep., 7-9:40 pm. Sun. 5:20-6:40 pm.  | 7797 HBP         | Geneva, Switzerland.  |
| 6800 PZII  | Managua, Nicaragua. 8-9:30 pm.; Sun. 2-3 pm.  | 7854 HC2JSB      | Guayaquil, Ecuador. 11 am-2 pm; 4-11 pm.  |
| 6850 XOTD  | Hankow, China 6-8:35 am.  | 7870 HC1RB       | Quito, Ecuador. 3:30 11:30 pm.  |
| 6900 H16H  | Trujillo City, D. R., 7:40-8:40 pm.   | 7894 YSD         | San Salvador, El Salvador 7-10:30 pm.   |
| 6960 2ZB   | Wellington, N. Z., Mid-7 am.  | 7968 HSP6        | Bangkok, Thailand. 7 11 am.   |
| 6977 XBA   | Facubava, D. F., 9:30 am.-1 pm., 7-8:30 pm  | 8200 PSK         | Rio de Janeiro, Brazil. 5-45 7 pm.  |
| 7010 XPSA  | Kweiyang, China. 5:30, or 6-11 am. 5-6 pm   | 8580 YPR         | Manague, Nicaragua. 12:45-2:15 pm; 6:45-10:15 pm.                                     |
| 7100 FO8AA | Papeete, Tahiti. Tues. and Fri. 11 pm-12 mid  | 8665 W2XGB       | Hicksville, N. Y. 9 am and 5 pm.  |
| 7177 CR6AA | Lobito, Portuguese West Africa. Mon Wed Sat 2:45 4:30 pm  | 8700 COCO        | Havana, Cuba. 7:50 am-12:50 am.   |
|            |   | HKV              | Bogota, Colombia. Tues. Fri. 7-7:20 pm.   |
|            |   | 8830 COCQ        | Havana, Cuba. 7:30 am-mid night.  |
|            |   | 8960 TPZ2        | Algiers, Algeria. Tues. 12:30 1:30 pm.  |
|            |   | 8960 COGK        | Santiago, Cuba. 5-9:50 pm   |
|            |   | 9030 COBZ        | Havana, Cuba. 7:45 am.12 mid Sun 7:45 am.-1 am  |
|            |   | 9125 HAT4        | Budapest, Hungary. Daily 7-8:30 pm. Sat. 6-7:30 pm.                                   |
|            |   | 9130 HC2W        | Guayaquil, Ecuador. 11 am-1 7-11 pm.  |
|            |   | 9175 HCIGO       | Quito, Ecuador. Mon. Wed Sat. 9-10:30 pm.   |
|            |   | 9190 HC2ET       | Guayaquil, Ecuador. 8-10 pm. Sun 8:30-10:30 pm.                                       |
|            |   | 9200 COCX        | Havana, Cuba. 8 am.12 mid   |
|            |   | 9200 ZMEF        | Sunday Island. 1:45-2:15 am   |
|            |   | 9205 PYA2        | Rio De Janeiro, Brazil 5 6 pm.  |

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|------------|--|------------|---|
| 9225 COCY  | Havana, Cuba. 8 am.-12 mid. Sun. 8 am.-10 pm.  | 9556 XEFT  | Vera Cruz, Ver C. 7:30 pm-Midnight.   |
| 9230 COCY  | Havana, Cuba. 12 noon-12 midnite.  | 9560 XEFA  | Monterrey, 10 am. Midnite.  |
| 9234 ....  | Bucharest, Roumania. 12:02-7 pm.   | 9560 XGAP  | Peking, China. 4-9 am.  |
| 9295 HI2G  | Cuidad Trujillo, D. R. 6:40-8:40 am., 11:40 am.-2:10 pm., 3:40-4:40 pm.                            | 9570 WBOS  | Boston, Mass. 6-9 am. 3 pm.-1 am.   |
| 9340 OAX4J | Lima, Peru. 12 noon-3 pm., 5 pm.-12 midnight.  | 9570 KZRM  | Manila, P. I. Weekdays 4:30-6 pm, Sat. 5-10 am., Sun. 4-10 am.  |
| 9345 HBL   | Geneva, Switzerland. Mon., Wed., 8:45-10:15 pm.  | 9570 CXA2  | Montevideo, Uruguay. 11 am.-4, 4:30-9:30 pm.  |
| 9375 COBC  | Havana, Cuba. 7 am. to 12 mid. Sun 7 am.-10:30 pm.   | 9570 VUM2  | Madras, India. 9-10:30 pm., 2:30-4 am   |
| 9440 OAX5C | Ica, Peru. 7-11:30 pm.   | 9580 GSC   | London, Gt. Britain. 2:30-5:25 pm; 5:43-11:35 pm.   |
| 9440 COCH  | Havana, Cuba. 6:40 am.-  | 9580 VLR   | Melbourne, Australia. 2:30-9, 9-9:30 am.  |
| 9445 HCODA | Guayadquil, Ecuador. 8:15-10:15 pm., exc. Sun.   | 9590 VK2ME | Sydney, Australia. Sundays only, m.-2 am., 5-8:30 am.   |
| 9465 TAP   | Ankara, Turkey. Daily 10:30 am.-4:30 pm.   | 9590 WCAB  | Philadelphia, Pa. Mon., Thurs. & Sat. 6:30 pm. 2 am., Wed. 9 pm.-2 am.  |
| 9475 VONG  | St. Johns, Newfoundland. 8:30 am. 1:30 pm. 4:30-9:30 pm.   | 9590 VUD2  | Delhi, India. 6:30 am.-12:05 pm. 5pm. 12 m., Mon., Tues., 1-4:10 am. Wed. 2-4 am. Thur., Fri., Sat. 1-3:30 am. Sat. 5 pm.-3:30 am.              |
| 9492 KZIB  | Manila, Philippines. 10 am. and 6-11 pm.   | 9595 ....  | Athlone, Ireland. 12:30-4:30. 5-6 pm.   |
| 9501 PRF5  | Rio De Janeiro, Brazil. 4:45-5:55 pm.  | 9600 CB960 | Santiago, Chile. 8-11:30 pm   |
| 9503 XEWW  | Mexico City. 7:45 am.-12:30 am.  | 9600 GRY   | London, Gt. Britain. 2:30-5:25 pm.  |
| 9505 YUD   | Belgrade, Yugoslavia. 11:20 am. 4:20 pm., 8-9 pm.  | 9600 RAN   | Moscow, U. S. S. R. 3-7, 7-3:30 pm. 8:30-9 pm.  |
| 9510 ....  | Hanoi, French Indo-China. 12 m.-2 am., 6-10 am.  | 9607 HP5J  | Panama City, Panama. 7-8 am., 12 noon to 1:30 pm., 6:30-10:30 pm.   |
| 9510 HS8HJ | Bangkok, Thailand. Daily Ex. Mon. 7-10 am.   | 9610 DXB   | Berlin, Germany. 4:50 pm., 7 pm.-1 am.  |
| 9510 GSB   | Daventry, Gt. Britain. 9:45-11:35 pm; 11:57 pm.-3:15 am.   | 9615 ZRL   | Kilpiveel, South Africa. Daily. exc. Sat. 11:45 pm. 2:50 am. Daily exc. Sun. 3:20-7:20, 9-11:45 am., Sun. 3:30-4:30 or 4-5, 5:30-7, 9-11:45 am. |
| 9517 XEDQ  | Guadalajara, Jal. No-4:30 4:30 pm., 1pm.-midnight.   | 9620 TIPG  | San Jose, Costa Rica. 7-9:30 am., 12-2, 6-11:30 pm.   |
| 9520 RV96  | Moscow, U. S. S. R. 1-6 pm.  | 9625 HAD   | Budapest, Hungary. 6-9 pm   |
| 9520 TPC   | Paris, France. 4:30-7:45 pm. 8 pm.-1:45 am.  | 9625 CXA6  | Montevideo, Uruguay. 10:30 am.-12:30, 3:30-9:30 pm.   |
| 9523 ZRG   | Roberts Heights, S. Africa. Daily 5:15-9, 11 am.-noon. Sun. 6-9, 10:40 am.-1:30 pm.                | 9630 HJCT  | Bogota, Colombia. 6-11 pm.  |
| 9525 ZBW3  | Hongkong. 5-10 am., 11:30 pm. 1:15 am. Sun 5-9:30 am.  | 9630 JFO   | Taihoku, Taiwan. 4-10:30 am.  |
| 9528 VUC2  | Calcutta, India. 10-11 pm., 12 m.-1 am., 2-4 am. Sat. 10 pm.-2 am.                                 | 9630 I2RO3 | Rome, Italy. 1-2 am. 12:07-2:35, 4:15-4:45 pm., 6-9 pm.   |
| 9530 WGE0  | Schenectady, N. Y. 3-6 pm. 6-11:45 pm.   | 9635 KZRH  | Manila, Philippines. 4-11 am.   |
| 9535 JZ1   | Tokyo, Japan. 7-9:30 am.   | 9640 CXA8  | Colonia, Uruguay. 5 am.-10:45 pm. Sat. to 1 am.   |
| 9535 SCU   | Motala, Sweden. 4:35-5:05 pm. 8-9 pm.  | 9645 VLW2  | Perth, W. Aust( 6-11 am.  |
| 9538 VPD2  | Suva, Fiji. 5:30-7 am., exc. Sun.  | 9645 XGOY  | Szechwan, China. 1-3, 8-9:30 am.  |
| 9540 DJN   | Berlin, Germany. 12:05-2:30, 9:30-11 am., 4:55-10:50 pm.   | 9650 CR7BE | Lourenco Marques, Mozambique. 7-8 am. 2-4 pm.   |
| 9550 OLR3A | Prague, Bohemia. Irreg. 4:40-5:10 pm.  | 9650 DJV   | Berlin, Germany. Irreg. 4:50 pm.-1 am.  |
| 9550 WGEA  | Schenectady, N. Y. 6:15-9:15 pm.   | 9650 12AA  | Addis Ababa, Ethiopia. 3:30-5:30 am. Sun. 2:30-5:30 am. 8 am.-2:30 pm.  |
| 9550HVJ    | Vatican City. Sun. 5-5:30 am., 8:30-9:45 pm. Wed. 2:30-3 pm. Thur. 8:30-9:45 pm.                   | 9650 WCBX  | New York City. 10:30-11:30 pm.  |
| 9550 TPBII | Paris, France. 11:15 am.-7 pm., 9:30 pm.-mid.  | 9650 HVJ   | Vatican City. Sun, 5-5:30 am., 8:30-9:45 pm., Thurs. 8:30-9:45 pm.  |
| 9556 OAX4T | Lima, Peru. 7-8, 11:30 am.-1:30 pm.  | 9660 LRX   | Buenos Aires, Arg. 5:30-6:45 am., 10:15 am.-11 pm.  |
| 9550 YDB   | Soerabaja, Java. N. E. I. Daily exc. Sat. 6-9 pm., 10:30 pm.-2 am.-4:30-10:30 am. Sat. 7 pm. 2 am. | 9665 ....  | Rome, Italy. 1-6:30, 7:30-9 pm.   |
|            |  | 9760 WRCA  | Bound Brook, N. J. 4 pm.-1 am.  |

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| 9675 DJX    | Vienna, Germany. 10:40 am.-4:25 pm.  | 11400 CJRX          | Winnipeg, Canada. 4 to 8:30 pm.  |
| 9675 ....   | Saigon, Indo-China. 7:30-9:45 am.  | 11402 HBO           | Geneva, Switzerland. Mon., 12:45-2:15 pm. Sat. to 2 pm.  |
| 9680 VLQ5   | Sydney, Australia. 7:25 - 8 am.  | 11650 XGOK          | Canton, China 7-9 am. Wed. 6:45-8:15 pm. Tues. Santiago Chile. 10 am.-2 pm., 3:30-Midnight.                            |
| 9680 TPC23  | Paris, France. 6-7:45 pm. 8 pm.-12:30 am.  | 11700 CBII70        | Panama City, Panama. 7-10:40 am. 5-10:45 pm. Sun. 6-10:45.   |
| 9680 XEQQ   | Mexico, D. F. 5 pm. 1 am.  | 11700 HP5A          | Rome, Italy. 5:20-5:40 am. 1:50-2:30 pm.   |
| 9685 TGWA   | Guatemala City, Guat. Sun. 7 pm-midnight; Wkds., 10 pm.-12:15 am.                  | 11710 IQY           | San Salvador, El Salvador. 1-2, 7-9:30 pm.   |
| 9690 LRA1   | Buenos Aires, Arg. 10:30 am-1 pm; 2:30-3:30 pm; 4-9 pm.                            | 11710 YSM           | Saigon French Indo-China. 7:30-9:45 am.  |
| 9692 TI4NHR | Heredia, Costa Rica. Tues. Thurs. Sat. 9-10 pm; Sun. 7-8 am.                       | 11718 CR7BH         | Laurence Marques, Portuguese E. Africa. Daily 12:05-1, 4:30-6:30, 9:30-11 am., 12:05-4 pm., Sun. 4-7 am., 10 am.-2 pm. |
| 9690 GRX    | London, Gt. Britain. 12:25-5 am; 11:50 am-8 pm.                                    | 11718 TPA4          | Paris, France. 1-5:15 pm. 6-7:45, 8 pm.-12m.   |
| 9695 JIE3   | Tyureki, Taiwan. 9-10:20 am.   | 11720 ZPI4          | Villarica, Paraguay. Mon. to Fri. 4-8 pm.; Sat.-Sun. 11 am.-6 pm.  |
| 9703 ....   | Fort de France, Martinique. 6-8:10 pm.   | 11725 JVVW3         | Tokyo, Japan. 1-7 am.  |
| 9710 HJCF   | Bogota, Colombia. 7-11 pm.   | 11730 WRUW-<br>WRUL | Boston, Mass. Sun. 2-8 pm.; 5:20:18:30, 8:45-10:30 pm.   |
| 9730 CB970  | Valparaiso, Chile. 7 am-11:30 pm.  | 11735 YUE           | Belgrade, Yugoslavia. 7-9:05 pm.   |
| HJFK        | Pereira, Colombia. 7-9 am.   | 11740 HVJ           | Vatican City. 2-5:55 m., Weds. -9:30 pm.   |
| 9740 CSW7   | Lisbon, Portugal. Tues. Thurs. Sat. 3:40-4 pm. Daily 4-5:30 pm; 5:45-9 pm.         | 11740 CBII74        | Santiago, Chile. 6-11 pm. Sun. 6-10:30 pm.   |
| 9750 HJ6FAH | Armenia, Colombia. 8-10:30 am; 5--10:30 pm.  | 11740 CR6RC         | Loanda, Angola. 6:30-7:45 am. Tues., Wed., Sat, 3:30-pm., Sun. :30 am.-1 pm.   |
| 9780 HH3W   | Port-au-Prince, Haiti. Sun. 1-2 pm; 5-8 pm; Other days 1-2 pm; 7-9 pm.             | 11750 GSD           | Daventry, England. 9-11:30 am; 11:55 am-3:45 pm; 5:42-9 pm; 9:45-11:35 pm; 11:57 pm-3:15 am.                           |
| 9815 IRF    | Rome, Italy. 5:20-5:40 am; Noon-12:25 pm.; 1:50-2:30 pm.; 6-7:25 pm.               | 11760 2RO15         | Rome, Italy. 11:40 am.-2:40 pm., 3-3:30, 5:30-6 pm.  |
| 9825 COCM   | Havana, Cuba. 8 am-midnight.   | 11760 TGWA          | Guatemala City, Guat. 10-11:30 pm. Sun. 6-11:30 pm.  |
| 9840 XGSE   | Somewhere in China. At 7 am.   | 11760 OLR4B         | Prague, Bohemia. Daily exc. Sun. 8:25-10:05 am.  |
| 9855 EAQ    | Madrid, Spain. 5-7:30 pm; 7:45-8:50 pm; 8:50-11:30 pm.                             | 11770 DJD           | Berlin, Germany. 10:45 am.-4:25 pm.; 4:50 pm.-1 am.  |
| 9892 CP1    | Sucre, Bolivia. 11 am to noon; 7-9 pm.   | 11770 ZTE           | Durban, So Africa. 3:30-11:45 am. exc. Suns. Sun. 3:55-11:45 am. Also, 11:45 pm.-2 am.                                 |
| 9925 JDY    | Dairen, Manchukuo. 7-8 am.   | 11775 MTCY          | Hsinking, Manchukuo. 1:30-2:20 to N. A. Also 9:50-10:55 am., 4-4:50 pm.  |
| 9985 COBC   | Havana, Cuba. 6 am-midnight.   | 11780 ....          | Saigon, Indo-China. 10:30-11 am.   |
| 10060 TIEM  | San Jose, Costa Rica. 4:30-8 pm.   | 11780 HP5G          | Panama City, Panama. Noon-1 pm., 6-10 pm.  |
| 10070 ....  | Deutsche Freiheitssender. Somewhere in Germany (?). 4-5 pm.                        | 11790 WRUL          | Boston, Mass. 2-5 pm. Sat. 3-5 pm. Suns 10 am. 12 noon.  |
| 10220 PSH   | Rio de Janeiro, Brazil Mon. 8-8:30 pm; Fri 7-7:30 pm; Other days 6-7 pm.           | 11800 XGOK          | Canton, China. 6-8:35 am.  |
| 10290 DZC   | Berlin, Germany. 3-3:10 pm; 6:30-9 pm.   | 11801 DJZ           | Berlin, Germany. 4:50-10:50 pm.  |
| 10350 LSX   | Buenos Aires, Arg.   | 11810 2RO4          | Rome, Italy. 4:30-9, 10 am-2:30 pm., 6-7:25, 7:30-9 pm. to N. A.   |
| 10360 EAJ43 | Tenerife, Canary Islands. 3-4:30 pm; 5-7 pm; 7:45-8:45 pm; 9-10 pm.                | 11825 CXA14         | London, Gt. Britain. 5:42-11:35 pm.  |
| 10400 YSP   | San Salvador, E. E. 6:30-11 pm.  | 11826 XEBR          | Colonia, Uruguay. 3:30-9:20 pm.  |
| 10660 JVN   | Nazaki, Japan. 1:50-7:40 am.   | 11830 VLVW3         | Hermosillo, Son. 10 am.-4 4 pm., 8-10:30 pm.   |
| 10660 ZIK2  | Belize, Br. Honduras. Tues., Thurs., Sat. 1:30-2, :30-9 pm.                        | 11830 WCBX          | Perth W. Australia. 1-5 am. New York City. 1-6 pm. 6:30-10 pm.   |
| 10950 FIQA  | Tananrive, Madagascar. 12:30-45, 10-11 am., 2:30-4 am.                             |                     |  |
| 11000 PLP   | Bandoeng, Java. 6-9 pm. 10:30 pm.-2 am., 4:30-10:30 or 11 am. Sat. until 11:30 am. |                     |  |
| 11040 CSW5  | Lisbon, Portugal. 12-3:30 pm. Sun. 10 am.-3:30 pm.                                 |                     |  |

# The WORLD'S Radio Stations

A complete listing of the radio stations of

the world, from 500 kcs to 500,000 kcs.

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

|      |       |                   |      |  |
|------|-------|-------------------|------|--|
| 1602 | KAIN  | GEO               | 6    | Portable. Seismic Exvlorations, Inc., of Delaware                                      |
|      | KAIO  | GEO               | 6    | Portable. Same as KAIN   |
|      | KAIP  | GEO               | 6    | Portable. Same as KAIN   |
|      | KAIQ  | GEO               | 6    | Portable. Same as KAIN   |
|      | KAIR  | GEO               | 6    | Portable. Same as KAIN   |
|      | KAIS  | GEO               | 6    | Portable. Same as KAIN   |
|      | KAUW  | GEO               | 8    | Portable. Same as KAIN   |
|      | KBUA  | GEO               | 6    | Portable. Esme Eugene Rosaire, Houston, Tex.   |
|      | KBUB  | GEO               | 6    | Portable. Same as KAIN   |
|      | KBUD  | GEO               | 6    | Portable. Same as KAIN   |
|      | KBUE  | GEO               | 6    | Portable. Same as KAIN   |
|      | KBUF  | GEO               | 6    | Portable. Same as KAIN   |
|      | KBUG  | GEO               | 6    | Portable. Same as KAIN   |
|      | KBUH  | GEO               | 6    | Portable. Same as KAIN   |
|      | KDYA  | to KDYK inclusive |      | Portable. Same as KAIN   |
|      |       | GEO               | 10   | Portable. Texaco Development Corv.   |
|      | KFYH  | HEO               | 10   | Portable. Wm. M. Barrett, Inc.   |
|      | KFYI  | GEO               | 50   | Portable. Same as KFYH   |
|      | KFYJ  | GEO               | 10   | Portable. Same as KFYH   |
|      | KFYK  | GEO               | 10   | Portable. Same as KFYH   |
|      | KFYL  | GEO               | 50   | Portable. Same as KFYH   |
|      | KFYN  | GEO               | 50   | Portable. Same as KFYH   |
|      | KFYP  | GEO               | 50   | Portable. Same as KFYH   |
|      | KGKE  | GEO               | 6    | Houston, Tex. McCollum Exploration Co.   |
|      | KGUC  | GEO               | 6    | Portable. Same as KAIN   |
|      | KGVB  | GEO               | 6    | Houston, Tex. Same as KGKE   |
|      | KYBJ  | GEO               | 10   | Portable. Magnolia Petroleum Co.   |
|      | KQBK  | GEO               | 10   | Portable. Same as KQBJ   |
|      | W5XGN | SE                | 10   | Dallas, Texas. Same as KQBJ  |
| 1606 | CJM   | CHT               | 25   | Borden, P.E.I. Canadian Nat'l. R. R.   |
|      | KAIH  | RB                | 25   | Portable. Earl C. Anthony, Inc.  |
|      | KAQY  | RB                | 40   | Wichita, Kans. Farmers & Bankers Brdcastg. Service                                     |
|      | KBTA  | RB                | 10   | Duluth, Minn. Red River Brdcastg. Co., Inc.  |
|      | KBTB  | RB                | 50   | Duluth, Minn. Same as KBTA   |
|      | KGXW  | T                 | .... | Port Alexander, Alaska. Karl Hansen  |
|      | KIKP  | ....              | .... | Ruby, Alaska   |
|      | WAAO  | RB                | 100  | Bloomington, Ill. A. M. & D. C. McGregor   |
|      | WAFY  | RB                | 25   | St. Paul, Minn. Brdcastg. Corp.  |
|      | WAHE  | RB                | 50   | Norfolk, Va. WTAR Radio Corp.  |
|      | WAHF  | RB                | 50   | Norfolk, Va. Same as WAHE  |
|      | WAHM  | RB                | 50   | Richmond, Va. Richmond Radio Corv.   |
|      | WAOE  | RB                | 50   | Aurora, Ill. Martin O'Brien  |
|      | WDAJ  | RB                | 40   | Tampa, Fla. Tampa Times Co.  |
|      | WFYA  | RB                | 100  | Syracuse, N. Y. Central N. Y. Brdcastg. Corp.  |
|      | WGTO  | RB                | 25   | Wilson, N. C. WGTM, Inc.   |
|      | WHPA  | RB                | 40   | Harrisburg, Pa. WHP, Inc.  |
|      | WIEW  | RB                | 25   | New York City, NBC, Inc.   |
| 1610 | WQKY  | SP                | 45   | Mobile in Ill. State of Ill. Dept. of Pub. Works. State Highway and Maintenance Police |
|      | WQPC  | SP                | 1000 | Chicago, Ill. Same as WQKY   |
|      | WOPD  | SP                | 1000 | DuQuoin, Ill. Same as WQKY   |
|      | WOPF  | SP                | 1000 | Effingham, Ill. Same as WQKY   |
|      | WOPG  | SP                | 1000 | Sterling, Ill. Same as WQKY  |
|      | WOPJ  | SP                | 50   | French Village, Ill. Same as WQKY  |
|      | WOPM  | SP                | 1000 | Macomb, Ill. Same as WQKY  |
|      | WOPP  | SP                | 1000 | Pontiac, Ill. Same as WQKY   |
|      | WOPS  | SP                | 1000 | Springfield, Ill. Same as WQKY   |
|      | WOPX  | SP                | 500  | Portable. Same as WQKY   |
|      | WOPY  | SP                | 168  | Portable. Same as WQKY   |
|      | WRHI  | SP                | 45   | Mobile. Same as WQKY   |
|      | WRHJ  | SP                | 45   | Mobile. Same as WQKY   |
|      | WRHK  | SP                | 45   | Mobile. Same as WQKY   |
|      | WRHL  | SP                | 45   | Mobile. Same as WQKY   |
|      | WRHN  | SP                | 45   | Mobile. Same as WQKY   |
|      | WRHO  | SP                | 45   | Mobile. Same as WQKY   |
|      | WRHP  | SP                | 45   | Mobile. Same as WQKY   |
| 1614 | K6XAK | GE                | 1500 | Kaena Point, Oahu, Hawaii. Globe Wireless, Ltd.  |

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| 11840 OLR4A  | Prague, Bohemia. 6:55-10:15 pm.   | 15110 DJL   | Berlin, Germany. 12:05-2 am., 10:40 am.-4:25 pm.   |
| 11840 CSW    | Lisbon Port. 11:30 am.-1:30 pm.   | 15120 CSW4  | Lisbon, Portugal. 7-9 am.  |
| 11845 TPC8   | Paris, France. 10:30 am.-5 pm.  | 15120 HVJ   | Vatican City. Tues. 8:30-9, 10-10:30 am., Sun. 1-1:30 pm. Wed. 8:30-9 pm.  |
| 11850 VLR3   | Melbourne, Australia. 3:30 pm.-2:15 am. Also 6:35-7 am.                                       | 15130 TPB   | Paris, France. 11:30 am.-12:30 pm.   |
| 11850 HAD    | Budapest, Hungary. 3-6 pm.  | 15130 WRUW- | Boston, Mass. 2-5, 8-45-10:30 pm.; Sat. 3-5 pm., Sun. 10 am.-noon.   |
| 11850-CBII85 | Santiago, Chile. Sat. 6-11 pm.  | 15135 JLU3  | Tokyo, Japan. 8-9:30 am.   |
| 11855 XMHA   | Shanghai, China. Wkdys. 11 pm.-1 am., 5-11 am. Sat. 10 pm.-Sun. 11 am.                        | 15140 GSF   | Davenport, England. 9-11:30 am.; 11:55 am-5:25 pm.; 11:57 pm-3:15 am.  |
| 11855 DJP    | Berlin, Germany. 12:05-2 am., 4:50-10:50 pm.  | 15150 YPC   | Bandoeng, Java. 6-9 pm. ex. Sat. 10:30 pm.-2 am., Sat. 7:30 pm.-2 am., daily 4:30-10:30 am.  |
| 11860 GSE    | Davenport, England. 5:40-11:30 am. 6:25-9:15 pm.  | 15155 SBT   | Motala, Sweden. 1-4:30 pm.   |
| 11870 WPIT   | Pittsburgh, Pa. 3-9, 10-11 pm.  | 15160 JZK   | Tokyo, Japan. 4:30-5:30, 8-9 pm.   |
| 11870 VUM    | Madras, India. 8:45 am.   | 15160 XEWV  | Mexico City, Mexico. 12 n.-12 m., irregular.   |
| 11870 VLQ2   | Sydney, Australia. 2:30-3:30 am.  | 15170 TGWA  | Guatemala City, Guat. 12:45-1:45 pm.; Sun. 1:45-5:15 pm.   |
| 11880 JZJ    | Tokyo, Japan. 12:1:30 am. 7-9:30 am., 2-4 pm.   | 15180 RV96  | Moscow, U. S. S. R. 3-3:45 am.   |
| 11880COGF    | Matanzas, Cuba. 9 am.-11:30 pm.   | 15190XGOX   | Szechwan, China. 830-9:30, 10-11:05 pm.  |
| 11880 TPB7   | Paris, France. 4:45-7:45 pm. 8 pm-12 m.   | 15200 DJB   | Berlin, Germany. 12:05-6:30-9, 9:15-9:30 am.; 11:10-11:40 am., 4:50-10:45 pm.  |
| 11885 TPA3   | Paris, France. 1-4, 10:15 am.-5:15.   | 15210 WPIT  | Pittsburgh, Pa. 8 am.-3 pm.  |
| 11895 ....   | Moscow, U. S. S. R. 6:30-7 am., 4-6 pm.   | 15240 YUF   | Belgrade, Yugoslavia. 7-8 pm.  |
| 11900 XEWI   | Mexico City, Mexico. Mon., Wed., Fri. 3-4 pm., 9 pm.-12 m. Sat. 9 pm.-12 m., Sun. 12:30-2 pm. | 15240 CR7BD | Lourenco Marques, Mozambique, 4:30-6:30, 9:30-11 am., noon-4 pm.   |
| 11900 XGOY   | Szechwan, China. 5:30-7:35, 7:40-9, 9:40-11, 11:10-11:50 am. 2-4:20, 4:30-6:20 pm.            | 15245 TPA2  | Paris, France. 5-10 am.  |
| 11910 CDI190 | Valdivia, Chile. 10 am.-1 pm., 5-10:30 pm.  | 15250 WRUL  | Boston, Mass. Daily exc. Sat. and Sun. 10 am.-11 am. Davenport, England. 5:40-8:45 am.; 9-11:30 am.; 11:55 am-5:25 pm.; 11:57 pm-3:15 am.            |
| 11940 TI2XD  | San Jose, Costa. 7:30 am.-noon, 4-10 pm.  | 15260 GSI   | New York City. Daily exc. Sat. and Sun. 1-3:30 pm., Sun. 1-2:30 pm.  |
| 11945 CBI180 | Santiago, Chile. 7-8 am., 4:50-11 pm.   | 15270 HI3X  | Ciudad Trujillo, D. R. Sun. 8:10-10:10 pm. Tues. and Fri. 7:40-9:40 am. Phila., Pa. 12 n.6 pm.   |
| 11970 HI2X   | Ciudad Trujillo, D. R. Tues. and Fri. 8-10-10:10 pm. Sun. 7:40-9:40 am.                       | 15270 WCAB  | Cincinnati, Ohio.  |
| 12000RNE     | Moscow, U. S. S. R. 7-9 pm. 9-11 am.  | 15270 WLWO  | Berlin, Germany. 12:05-11:10 am.   |
| 12310 VOFB   | St. Johns, Newfoundland. 5:30-7:30 pm.  | 15280 DJQ   | Delhi, India. 8-10:30 am., 11:30 am.-2:30 pm., 9:20 pm.12 m.; Mon. 1-4 am.; Tues. Thurs., Fri., Sat., 3:30 am.; Wed. 2-4 am.; Sat. 9:30 am.-3:30 am. |
| 12450 HCJB   | Quito, Ecuador. 7-8:15, 11:30 am.-2:30, 5-10:30 pm.   | 15290 VUD3  | Buenos Aires, Arg. 8-10 am. 10:10 pm.  |
| 12862 W9XDH  | Elgin, Ill. Press Wireless, Tests 2-5 pm.   | 15295 TPB4  | Paris, France. 5-5:30, 7:30-8 am.  |
| 13486 HIIN   | Trujillo City, Dom Rep. 6:40-10:40 am., 5:10-9:40 pm.   | 15300 2RO6  | Rome, Italy. 4:10-4:55 am.; 10 am.-12:06 pm.; 1-2:15, 5-9:25 am., 11 am.-6 pm. 8:15-9:30 am.-3:30 am.  |
| 13900 YNDG   | Leon, Nicaragua. Sun. 12:30-1.  | 15310 GSP   | Davenport, England. 5:40-7 am.; 2:15-5:25 pm.; 1:15-3:15 am.   |
| 14420 HCIJB  | Quito, Ecuador. 7-8:15, 11:30 am.-2:30, 4-4:45 pm.-10:15 pm. Exc. Mon.                        | 15310 PDB   | Soerabaja, Java, N E. I. 10:30 pm,2 am., Sat. 7:30 pm.-2 am.   |
| 14460 DZH    | Berlin Germany. 7-10:50 pm.   |             |  |
| 14600 JVH    | Nazaki, Japan. 4-8 am.  |             |  |
| 14635 HBJ    | Geneva Switzerland. Wed. 6:45-8:15; 8:40-10:15 pm.  |             |  |
| 14795 IQA    | Rome, Italy. 4-30-5 am.   |             |  |
| 14920 KQH    | Kahuku, Hawaii. Sats. 8:30-9 pm. Sun. 9-9:30 pm.  |             |  |
| 14940 PSE    | Rio De Janeiro, Brazil. 6-7 pm., Thurs. 3-3:30 pm.  |             |  |
| 15040 RKI    | Moscow, U. S. S. R. 7-8:30 pm. 8:30-9 pm.   |             |  |
| 15100 2RO12  | Rome, Italy. 4-5:30, 6-7:25, 7:30-9 pm.   |             |  |



|      |                         |     |      |  |
|------|-------------------------|-----|------|--|
|      | W1XSL                   | E1  | 100  | Sothbridge, Mass. Harvey Wells Communica-      |
|      | W4XID                   | E1  | 50   | tions, Inc.                                    |
|      | W5XIJ                   | FA  | 1000 | W. Palm Beach, Fla. Gray Radio Co.             |
|      | W6XOW                   | GE  | 1000 | Coral Gables, Fla. Pan American Airways, Inc.  |
|      | W6XRZ                   | E1  | 500  | Palo Alto, Calif. Stanford University          |
|      | W6XXT                   | GE  | 5000 | Portable. Red Salmon Canning Co.               |
|      | W7BA                    | E   | 15   | Portable. Press Wireless, Ltd.                 |
|      | W7XEY                   | E1  | 60   | Portable. Northern Radio Co.                   |
|      | W7XEZ                   | E1  | 60   | Seattle, Wash. Radio Labs., Inc.               |
|      | W8XUK                   | GE  | 10   | Seattle, Wash. Same as W7XEY                   |
|      | W8XUL                   | GE  | 10   | Portable. W. V. Univ. Dept. of Physics         |
|      | W9XEI                   | GE  | 400  | Portable. Same as W8XUK                        |
|      | W10XTF                  | E   | ...  | Lake Bluff, Ill. Thorne Donnelly               |
|      | W10XTJ                  | GE  | 25   | Yacht "Mako." Thorne Donnelly                  |
| 1622 | KAAD                    | RB  | 40   | (Portable. Harvey Radio Labs., Inc.            |
|      | KAAR                    | RB  | 40   | Fort Worth, Tex. Tarrant Brdctsg. Co.          |
|      | KAMH                    | ... | 30   | Denver, Colo. KLZ Brdctsg. Co.                 |
|      | KAMI                    | ... | 30   | Chignik, Alaska. Alaska Packers Ass'n.         |
|      | KAMJ                    | ... | 30   | Larson Bay, T. A. Same as KAMH                 |
|      | KAMK                    | ... | 30   | Chignik, T. A. Same as KAMH                    |
|      | KAML                    | ... | 30   | Becharof, T. A. Same as KAMH                   |
|      | KAMN                    | ... | 30   | Naknek, T. A. Same as KAMH                     |
|      | KANL                    | ... | 50   | Uyak Bay, T. A. Same as KAMH                   |
|      | KAOE                    | RB  | 50   | Red Bluff Bay, T. A. Red Bluff Bay Fisheries,  |
|      | KAOF                    | RB  | 50   | Inc.   |
|      | KBOL                    | RB  | 20   | Shenandoah, Iowa. KFNF, Inc.                   |
|      | KDAC                    | RB  | 25   | Shenandoah, Iowa. KFNF, Inc.                   |
|      | KDEA                    | RB  | 40   | Omaha, Nebr. Woodmen of the World.             |
|      | KDJB                    | RB  | 125  | Fresno, Calif. George Harm                     |
|      | KGXU                    | ... | 10   | Kansas City, Kans. KANS, Inc.                  |
|      | KIJK                    | C   | 10   | Mason City, Iowa. Globe-Gazette.               |
|      | KIJO                    | ... | 10   | Port Armstrong, T. A. Buchan & Heinen          |
|      | WAHL                    | RB  | 40   | Packing Co.                                    |
|      | WAIH                    | RB  | 50   | Kuiu Island, T. A. Storfold & Grondahl Co.     |
|      | WAIN                    | RB  | 25   | Port Herbert, T. A. Port Herbert Packing Co.   |
|      | WAIY                    | RB  | 100  | Paducah, Ky. Paducah Brdctsg. Co.              |
|      | WATS                    | RB  | 100  | Chicago, Ill. WGN, Inc.                        |
|      | WAUT                    | RB  | 50   | Peoria, Ill. Peoria Brdctsg. Co.               |
|      | WAXE                    | RB  | 500  | Utica, N. Y. WIBX, Inc.                        |
|      | WBAO                    | RB  | 2    | Akron Ohio. Allen T. Simmons                   |
|      | WBAQ                    | RB  | 30   | Evansville, Ind. Evansville on the Air         |
|      | WDAC                    | RB  | 10   | Richmond, Va. Havens & Martin, Inc.            |
|      | WEHL                    | RB  | ...  | Newark, N. J. Hamberger Brdctsg. Serv., Inc.   |
|      | WGHB                    | RB  | 40   | Newark, N. J. Same as WBAO                     |
|      | WHMB                    | RB  | 10   | Madison, Wis. Univ. of Wis.                    |
|      | WNYK                    | RB  | 50   | Bangor, Maine. Community Brdctsg. Cerv., Inc.  |
|      | WNYL                    | RB  | 50   | Tampa, Fla. Fla. West Coast Brdctsg. Co.       |
|      | WNYN                    | RB  | 3    | Anniston, Ala. WHMA, Inc.                      |
|      | WNYO                    | RB  | 3    | New York City. NYC Municipal Brdctsg. Sys.     |
|      | WHPT                    | RB  | 50   | New York City. Same as WNYK                    |
|      | WRDI                    | RB  | 100  | New York City. Same as WNYK                    |
|      | WTHB                    | RB  | 40   | New York City. Same as WNYK                    |
|      | WTNK                    | RB  | 40   | High Point, N. C. Radio Station WMFR, Inc.     |
| 1624 | CY2T                    | ... | ...  | Danville, Ill. Northwestern Pub. Co.           |
| 1626 | KOSC                    | SP  | 50   | Tampa, Fla. WFLA                               |
|      | FOSO                    | SP  | 1000 | Trenton, N. J. WOAX, Inc.                      |
|      | KOSP                    | SP  | 150  | Berens River, Man. Man. Dept. of Mines &       |
|      | KOSR                    | SP  | 150  | Natural Resources                              |
|      | KOSU                    | SP  | 50   | Portable. State of Okla. Dept. of Publ. Safety |
|      | KOSW                    | SP  | 150  | Oklahoma City, Okla. Same as KOSC              |
|      | KOSX                    | SP  | 150  | Portable. Same as KOSC                         |
|      | KOSY                    | SP  | 50   | Portable. Same as KOSC                         |
|      | WBSP                    | SP  | 1000 | Portable. Same as KOSC                         |
|      | WMWV                    | SP  | 1000 | Charleston, W. Va. Dept. of Pub. Safety,       |
|      | WPWV                    | SP  | 1000 | W. V. State Police                             |
|      | WRPC                    | SP  | 150  | Moundsville, W. V. Same as WBSP                |
|      | WSWV                    | SP  | 1000 | Charlestown, W. V. Same as WBSP                |
|      | WWTA                    | G   | 500  | Portable. Same as WBSP                         |
| 1628 | KAIN to KAIS inclusive: |     |      | Shinnston, W. V. Same as WBSP                  |
|      | KAUW                    | GEO | 6    | St. Albans, Vt. U. S. Bureau of Customs        |
|      | KBUA                    | GEO | 6    | Portable. Seismic Explorations of Del, Inc.    |
|      | KBUB                    | GEO | 6    | Portable. Esme Eugene Rosaire, Houston, Tex.   |
|      | KBUD to KBUH inclusive: |     |      | Portable. Same as KAIN                         |
|      | KDYA to KDYK inclusive: |     |      | Portable. Same as KAIN                         |
|      |                         | GEO | 10   | Portable. Texaco Development Corp.             |

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|      | KFYH   | GEO  | 10   | Portable. Wm. M. Barrett, Inc.  |
|      | KFYI   | GEO  | 50   | Portable. Same as KFYH  |
|      | KFYJ   | GEO  | 10   | Portable. Same as KFYH  |
|      | KFYK   | GEO  | 10   | Portable. Same as KFYH  |
|      | KFYL   | GEO  | 50   | Portable. Wm. M. Barrett, Inc.  |
|      | KFYN   | GEO  | 50   | Portable. Same as KFYH  |
|      | KFYP   | GEO  | 50   | Portable. Same as KFYH  |
|      | KGKE   | GEO  | .... | Houston, Tex. McCollum Exploration Co.                                |
|      | KGUC   | GEO  | 6    | Portable. Same as KAIN  |
|      | KGVB   | GEO  | .... | Houston, Tex. Same as KGKE  |
|      | KYBJ   | GEO  | 10   | Portable. Magnolia Petroleum Co.                                      |
|      | KYBK   | GEO  | 10   | Portable. Same as KQB   |
|      | W6XGN  | SE   | 10   | Dallas, Tex. Same as KQB  |
| 1630 | CJD    | F    | .... | Campbell River, B. C. Minister of Lands for B. C.                     |
|      | CJE    | T    | .... | Ceepeecee, B. C. Canadian Packing o.                                  |
|      | VAC    | T    | .... | Cape Lazo, B. C. Dept. of Transport.                                  |
|      | VAF    | T    | .... | Alert Bay, B. C. Same as VAC  |
|      | VBB    | .... | .... | Sault Ste. Marie, Ont.  |
|      | VBE    | .... | .... | Point Edward, Ont.  |
|      | VBG    | .... | .... | Toronto, Ont.   |
|      | VBH    | .... | .... | Port Arthur, Ont.   |
|      | VDG    | .... | .... | Atli Inlet, B. C. Kelley Logging Co., Ltd.                            |
|      | WEY    | MF   | 50   | Boston, Mass. City of B.  |
|      | WKDT   | MF   | 500  | Detroit, Mich.  |
|      | WNYF   | MF   | 500  | New York City. City of N. Y. Fire Dept., Municipal Bldg.              |
| 1634 | KRNP   | SP   | 1000 | Reno, Nev. State of Nev.  |
|      | WPHE   | SP   | 1000 | Indianapolis, Ind. State of Ind. Dept. of Pub. Safety                 |
|      | WPHS   | SP   | 60   | Chesterton, Inc. Same as WPHE   |
|      | WPHU   | SP   | 60   | Jasper, Ind. Same as WPHE   |
|      | WQFE   | SP   | 60   | Seymour, Ind. Same as WPHE  |
|      | WQFW   | SP   | 60   | Columbia City, Ind. Same as WPHE                                      |
|      | WOGS   | SP   | 120  | Putnamville, Ind. Same as WPHE  |
|      | WRSA   | SP   | 250  | Scituate, R. I. State of R. I. Division of State Police               |
|      | WSPI   | SP   | 60   | Mobile. Same as WPHE  |
| 1638 | KANP   | FA   | 100  | Seattle, Wash. Pan American Airways, Inc.                             |
|      | KHCITY | A    | 100  | NC-18997. American Export Airlines                                    |
|      | KIOA   | FA   | 20   | Tanana, Alaska. Pacific Alaska Airways, Inc.                          |
|      | VEZ    | FA   | .... | Burwash Landnig, Y. T. Canada. Dominion Gov't.                        |
|      | WREJ   | E    | 5    | Portable. Pan American Airways, Inc.                                  |
| 1642 | KASP   | SP   | 1000 | Little Rock, Ark. Ark. State Police                                   |
|      | KHCGP  | SP   | 30   | NC-18498. State of Michigan   |
|      | KYDC   | SP   | 8    | Mobile. State of Ark. State Police                                    |
|      | WFBI   | G    | 42   | Wasrington, D. C. Federal Bureau of Investigation                     |
|      | WRDH   | SP   | .... | Houghton Heights, Mich. 5 kw days, 1 kw nights. Michigan State Police |
|      | WRDP   | SP   | 1000 | Paw Paw, Mich. Same as WRDH   |
|      | WRDS   | SP   | .... | East Lansing, Mich. 5 kw days, 1 wk nights. Same as WRDH              |
| 1646 | KAJL   | C    | 5    | Naknek, Bristol Bay, Alaska. Pacific American Fisheries, Inc.         |
|      | KAKL   | C    | .... | Kasaan, T. A. Same as KAJL  |
|      | KALG   | .... | .... | Squaw Harbor, T. A.   |
|      | KALH   | .... | 100  | Port Moller, T. A. Same as KAJL                                       |
|      | KALI   | .... | .... | Lazy Bay, T. A. Same as KAJL  |
|      | KALJ   | .... | .... | King Cove, T. A.  |
|      | KALL   | .... | 30   | Nelson Lagoon, T. A. Same as KAJL                                     |
|      | KALO   | .... | 30   | Petersburg, T. A. Same as KAJL  |
|      | KALU   | .... | 30   | Naknek, T. A. Same as KAJL  |
|      | KAOG   | RB   | 8    | Los Angeles, Calif. Don Lee Brdcstg. Sys.                             |
|      | KBQA   | RB   | 20   | Winona, Minn. Winona Radio Serv.                                      |
|      | KEMA   | RB   | 25   | Shenandoah, Iowa. May Seed Co.  |
|      | KIBI   | T    | .... | Daly, T. A. Same as KAJL  |
|      | KIDB   | .... | .... | Kasaan, T. A. Same as KAJL  |
|      | KIJH   | C    | .... | Squaw Harbor, T. A. Same as KAJL                                      |
|      | KNEB   | RB   | 10   | Tacoma, Wash. Puget Sound Brdcstg. Co.                                |
|      | KSCR   | RB   | 100  | Sacramento, Calif. McClutchey Brdcstg. Co.                            |
|      | WAUB   | RB   | 40   | Nashville, Tenn. WSIX   |
|      | WAUQ   | RB   | 50   | Syracuse, N. Y. Onondaga Radio Brdcstg. Corp.                         |
|      | WBAC   | RB   | 2    | Portable, N. J. Brdcstg. Corp.  |
|      | WBAF   | RB   | 25   | Cincinnati, Ohio. L. B. Wilson, Inc.                                  |
|      | WFBY   | RB   | 50   | Cincinnati, Ohio. CBS, Inc.   |
|      | WJRA   | RB   | 250  | Detroit, Mich. WJR The Goodwill Station                               |
|      | WOMW   | S    | .... | M/S "Minniehaha"  |
|      | WOMX   | S    | .... | M/S "Empress" Empress"  |
|      | WOMY   | S    | .... | M/S "Glenwood"  |
|      | WOPE   | S    | .... | M/S "Admiralty"   |

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|------|-------------------------|------|------|---|
| 1652 | KAIN to KAIS inclusive: | GEO  | 6    | Portable. Seismic Explorations Inc., of Delaware.   |
|      | KAUW                    | GEO  | 8    | Portable. Esme Eugene Rosaire, Houston, Tex.  |
|      | KBUA                    | GEO  | 6    | Portgale. Same as KAIN  |
|      | KBUB                    | GEO  | 6    | Portable. Same as KAIN  |
|      | KBUD to KBUH inclusive: | GEO  | 6    | Portable. Same as KAIN  |
|      | KDYA to KDYK inclusive: | GEO  | 10   | Portable. Texaco Development Corp.  |
|      | KFYH                    | GEO  | 10   | Portable. Wm. M. Barrett, Inc.  |
|      | KFYI                    | GEO  | 50   | Portable. Wm. M. Barrett, Inc.  |
|      | KFYI                    | GEO  | 10   | Portable. Same as KFYI  |
|      | KFYK                    | GEO  | 10   | Portable. Same as KFYI  |
|      | KFYL                    | GEO  | 50   | Portable. Same as KFYI  |
|      | KFYN                    | GEO  | 50   | Portable. Same as KFYI  |
|      | KFYP                    | GEO  | 50   | Portable. Same as KFYI  |
|      | KGKE                    | GEO  | .... | Houston, Tex. McCollum Exploration Co.  |
|      | KGUC                    | GEO  | 6    | Portable. Same as KAIN  |
|      | KGVB                    | GEO  | .... | Houston, Tex. Same as KGKE  |
|      | KPMP                    | .... | 16   | Los Angeles, Cal. Paramount Communications, Inc.  |
|      | KYBJ                    | GEO  | 10   | Portable. Magnolia Petroleum Co.  |
|      | KYBK                    | GEO  | 10   | Portable. Same as KOBJ  |
|      | WSXGN                   | SE   | 10   | Dallas, Tex. Same as KOBJ   |
| 1658 | KKFD                    | .... | 50   | Kensington Park, Calif. K. Fire District.   |
|      | KNHD                    | SP   | 400  | Redwood Falls, Minn. State of M., Bureau of Criminal Apprehension.                                    |
|      | KSPT                    | SP   | 500  | Pecos, Tex. Dept. of Pub. Safety, State of Tex.   |
|      | KSW                     | .... | 500  | Berkeley, Calif.  |
|      | KTSP                    | SP   | 1000 | Longview, Tex. Same as KSPT   |
|      | KTST                    | SP   | 200  | Tyler, Tex. Same as KSPT  |
|      | WPGC                    | SP   | .... | South Schenectady, N. Y. 5 kw days, 1 kw nights. (1 unit - 15 w). State of N. Y. Div. of State Police |
|      | WOFR                    | SP   | 250  | Portable-Mobile. Same as WPGC.  |
| 1660 | KAJH                    | .... | 20   | Anchorage, Alaska. Libby, McNeill & Libby.  |
|      | KAMT                    | .... | 50   | Kenai, T. A. Same as KAJH   |
|      | KNCE                    | .... | 100  | H. L. V. Same as KAJH   |
|      | KNCF                    | .... | 100  | Egeik T. A. Same as KAJH  |
|      | KNGS                    | .... | 70   | Koggiung, T. A. Same as KAJH  |
| 1666 | WMP                     | SP   | 1000 | Gramingham, Mass. Commonwealth of Mass., Dept. of Pub. Safety, Div. of State Police.                  |
|      | WPEL                    | SP   | 1000 | W. Bridgewater, Mass. Same as WMP   |
|      | WPEV                    | SP   | 50   | Portable in Mass. Same as WMP   |
|      | WPEW                    | SP   | 1000 | Northampton, Mass. Same as WMP  |
|      | WRBE                    | SP   | 100  | Portable in Mass. Same as WMP   |
|      | WSPN                    | SP   | 20   | Nantucket, Mass. Same as WMP  |
|      | WSPQ                    | SP   | 20   | Oak Bluffs, Mass. Same as WMP   |
| 1674 | KGHK                    | MP   | 20   | Palo Alto, Calif. City of P. A.   |
|      | KGZT                    | MP   | 100  | Santa Cruz, Calif. City of S. C.  |
|      | KHPA                    | SP   | 1000 | Lees Summit, Mo. State of Mo. Highway aPtol   |
|      | KHPB                    | SP   | 1000 | Macon, Mo. Same as KHPA   |
|      | KHPC                    | SP   | 1000 | Kirkwood Mo. Same as KHPA   |
|      | KHPD                    | SP   | 1000 | Springfield, Mo. Same as KHPA   |
|      | KHPE                    | SP   | 1000 | Poplar Bluff, Mo. Same as KHPA  |
|      | KHPF                    | SP   | 1000 | Jefferson Citq, Mo. Same as KHPA  |
|      | KIUK                    | SP   | 1000 | Jefferson City, Mo. Same as KHPA  |
|      | KQCO                    | MP   | 150  | Salinas, Calif. County of Monterey, Sheriff   |
|      | KSPH                    | MP   | 25   | Hillsborough, Calif. Town of H.   |
|      | KWCP                    | MP   | 50   | Watsonville, Calif. City of W.  |
|      | WAMF                    | SP   | 500  | Portable-Mobile. Commonwealth of Pa. Motor Police.  |
|      | WPIB                    | SP   | 20   | Mobile on airplane. Same as WAMF  |
|      | WPSP                    | SP   | 1000 | Harrisburg, Pa. Same as WAMF  |
| 1676 | KAIN to KAIS inclusive: | GEO  | 6    | Portable. Seismic Explorations of Del.  |
|      | KAUW                    | GEO  | 8    | Portable. Esme Eugene Rosaire, Houston, Tex.  |
|      | KBUA                    | GEO  | 6    | Portable. Same as KAIN  |
|      | KBUB                    | GEO  | 6    | Portable. Same as KAIN  |
|      | KBUD to KBUH inclusive: | GEO  | 6    | Portable. Same as KAIN  |
|      |                         | GEO  | 6    | Portable. Texaco Development Corp.  |
|      |                         | GEO  | 10   | Portable. Wm. M. Barrett, Inc.  |
|      | KFYH                    | GEO  | 10   | Portable. Same as KFYH  |
|      | KFYI                    | GEO  | 50   | Portable. Same as KFYH  |
|      | KFYI                    | GEO  | 10   | Portable. Same as KFYH  |
|      | KFYK                    | GEO  | 10   | Portable. Same as KFYH  |
|      | KFYL                    | GEO  | 10   | Portable. Same as KFYH  |
|      | KFYL                    | GEO  | 50   | Portable. Same as KFYH  |
|      | KFYN                    | GEO  | 50   | Portable. Same as KFYH  |
|      | KFYP                    | GEO  | 50   | Houston, Tex. McCollum Exploration Co.  |
|      | KGKE                    | GEO  | .... | Portable. Same as KAIN  |
|      | KGUC                    | GEO  | 6    | Houston, Tex. Same as KGKE  |
|      | KGVB                    | GEO  | .... | Portable. Magnolia Petroleum Co.  |
|      |                         |      |      | Portable. Same as KYBJ  |

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|      | KOBI                    | GEO | 10   | Dallas, Tex. Same as KYBJ   |
|      | KOBK                    | GEO | 10   | Fairfield, Iowa. State of Iowa, Bureau of Criminal Investigation.   |
|      | W5XGN                   | SE  | 10   | Atlantic, Iowa. Same as KACC  |
| 1682 | KACC                    | SP  | 500  | Sacramento, Calif. 2500 watts days; 1000 watts nights. State of Calif. Dept. of Motor Vehicles, highway Patrol. |
|      | KACD                    | SP  | 500  | Hilo, Hawaii. County of Hawaii, Police & Fire Dept.   |
|      | KADJ                    | SP  | .... | Grass Valley, Calif. Same as KADJ   |
|      | KADK                    | MP  | 500  | Des Moines, Iowa. Same as KACC  |
|      | KAPI                    | SP  | 1000 | Cedar Falls, Iowa. Same as KACC   |
|      | KNFN                    | SP  | 400  | Storm Lake, Iowa. Same as KACC  |
|      | KNFO                    | SP  | 400  | San Luis Obispo, Calif. Same as KADJ  |
|      | KODO                    | SP  | 1000 | Los Angeles, Calif. (5 kw days). Same as KADJ, Vale and Telegraph Sts.  |
|      | KQEA                    | SP  | 1000 | Yreka, Calif. Same as KADJ  |
|      | KSCY                    | SP  | 50   | Redding, Calif. Same as KADJ  |
|      | KSPR                    | SP  | 300  | Portable. Same as KACC  |
|      | KADW                    | SP  | 50   | Campbell River, B. C. Minister of Lands for B. C.   |
| 1688 | CJD                     | F   | .... | Belleville, Ont. City of B.   |
|      | CJR                     | MP  | .... | Halifax, N. S.  |
| 1690 | VDM                     | MP  | .... | Jackson, Miss. (2500 watts days). State of Miss. Commission of Pub. Safety                                      |
|      | WRJI                    | SP  | 1000 | Portable in Va. Comm. of Va. Div. of Motor Vehicles   |
|      | WSNL                    | SP  | 10   | Portable in Ohio. State of Ohio   |
| 1692 | WOFT                    | SP  | 100  | Bellevue, P. Q. Laurentian Forest Protective Assn. Ltd.   |
| 1696 | CZB                     | F   | .... | Phoenix, Ariz. Ariz. State Highway Dept.  |
| 1698 | KGPP                    | SP  | .... | Phoenix, Ariz. Saem as KGPP.  |
|      | KNGG                    | SP  | 1000 | Duval County, Fla. State of Fla.  |
|      | WAKJ                    | SP  | 350  | Pensacola, Fla. Same as WAKJ  |
|      | WAKR                    | SP  | 350  | Orlando, Fla. Same as WAKJ  |
|      | WAKS                    | SP  | 350  | Tampa, Fla. Same as WAKJ  |
|      | WAKT                    | SP  | 350  | Ft. Myers, Fla. Same as WAKJ  |
|      | WAKU                    | SP  | 350  | W. Palm Beach, Fla. Same as WAKJ  |
|      | WAKZ                    | SP  | 250  | New Castle, Del. State Police   |
|      | WDSP                    | SP  | .... | Belair, Md.   |
|      | WEVN                    | SP  | 250  | Waterloo Md. State of Md.   |
|      | WHWN                    | SP  | 250  | Dover Del. State of Del. Highway Dept.  |
|      | WTRF                    | SP  | 200  | Cumberland Md. Md. State Police   |
|      | WMSC                    | SP  | 250  | Easton Md. Same as WMSC   |
|      | WMSE                    | SP  | 250  | Frederick Md. Same as WMSC  |
|      | WMSF                    | SP  | 250  | Conowingo Md. Same as WMSC  |
|      | WMSH                    | SP  | 250  | Randallstown Md. Same as WMSC   |
|      | WMSR                    | SP  | 250  | Waldorf Md. Same as WMSC  |
|      | WMSW                    | SP  | 250  |   |
| 1700 | KAIN to KAIS inclusive: |     |      | Portable. Seismic Explorations Inc. of Delaware   |
|      | KAUW                    | GEO | 8    | Portable. Esme Eugene Rosmaire, Houston, Tex.   |
|      | KBUA                    | GEO | 6    | Portable. Same as KAIN  |
|      | KBUB                    | GEO | 6    | Portable. Same as KAIN  |
|      | KBUD to KBUH inclusive: |     |      | Portable. Same as KAIN  |
|      |                         | GEO | 6    |   |
|      | KDYA to KDYK inclusive: |     |      | Portable. Same as KAIN  |
|      |                         | GEO | 10   | Portable. Wm. M. Barrett, Inc.  |
|      | KFYH                    | GEO | 10   | Portable. Texaco Development Corp.  |
|      | KFYI                    | GEO | 50   | Portable. Same as KFYH  |
|      | KFYJ                    | GEO | 10   | Portable. Same as KFYH  |
|      | KFYK                    | GEO | 10   | Portable. Same as KFYH  |
|      | KFYL                    | GEO | 50   | Portable. Same as KFYH  |
|      | KFYN                    | GEO | 50   | Portable. Same as KFYH  |
|      | KFYN                    | GEO | 50   | Portable. Same as KFYH  |
|      | KGKE                    | GEO | .... | Houston, Tex. McCollum Exploration Co.  |
|      | KGUC                    | GEO | 6    | Portable. Same as KAIN  |
|      | KGVB                    | GEO | .... | Houston, Tex. Same as KGKE  |
|      | KOBJ                    | GEO | 10   | Portable. Magnolia Petroleum Co.  |
|      | KOBK                    | GEO | 10   | Portable. Same as KOBJ  |
|      | W5XGN                   | SE  | 10   | Dallas, Tex. Same as KOBJ   |
| 1706 | KOPC                    | MP  | 500  | St. Louis, Mo. City of S. L.  |
|      | KOHA                    | MP  | 50   | Astoria, Ore.   |
|      | KOHB                    | MP  | 100  | Baker, Ore.   |
|      | KOHC                    | MP  | 10   | Coquille, Ore.  |
|      | KOHD                    | SP  | 50   | The Dalles, Ore. State of Ore.  |
|      | KOHE                    | MP  | 50   | Eugene, Ore.  |
|      | KOHF                    | SP  | 10   | Portable. State of Ore. Police & Highway Dept.  |
|      | KOHG                    | MP  | 10   | Grants Pass, Ore.   |
|      | KOHH                    | EM  | 10   | Portable. Same as KOHF  |
|      | KOHI                    | EM  | 10   | Portable. Same as KOHF  |
|      | KOHJ                    | EM  | 10   | Portable. Same as KOHF  |
|      | KOHK                    | EM  | 1000 | Klamath Falls, Ore. Same as KOHF  |

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|      | KOHL | EM | 1000 | La Grande, Ore. Same as KOHF                          |
|      | KOHM | SP | 500  | Milwaukie, Ore. Same as KOHF                          |
|      | KOHN | SP | 500  | Bend, Ore. Same as KOHF                               |
|      | KOHO | EM | 10   | Portable. Same as KOHF                                |
|      | KOHP | SP | 100  | Pendleton, Ore. Same as KOHF                          |
|      | KOHO | SP | 100  | Medford, Ore. Same as KOHF                            |
|      | KOHR | EM | 50   | Roseburg, Ore. Same as KOHF                           |
|      | KOHS | SP | 1000 | Salem, Ore. Same as KOHF                              |
|      | KOHU | EM | 50   | Burns, Ore. Same as KOHF                              |
|      | KOHV | EM | 10   | Portable. Same as KOHF                                |
|      | KOHV | EM | 10   | Portable. Same as KOHF                                |
|      | KOHX | EM | 10   | Portable. Same as KOHF                                |
|      | KOHY | EM | 10   | Portable. Same as KOHF                                |
|      | KOHZ | EM | 10   | Portable. Same as KOHF                                |
|      | WANH | SP | 1000 | Raleigh, N. C. State of N. C.                         |
|      | WANI | SP | 1000 | Williamston, N. C. Same as KANH                       |
|      | WANJ | SP | 1000 | Asheville, N. C. State of N. C.                       |
|      | WANK | SP | 1000 | Salisbury, N. C. Same as WANJ                         |
|      | WANL | SP | 1000 | Elizabethtown, N. C. Same as WANJ                     |
|      | WKDU | MP | 500  | Cincinnati, Ohio. City of C.                          |
|      | WPET | MP | 500  | Lexington, Ky. City of L.                             |
| 1708 | CKT  | MP | .... | Penticton, B. C.                                      |
|      | CY2Q | SP | .... | Atlin, B. C. B. C. Provincial Police                  |
|      | CZC  | SP | .... | Bralorne, B. C. Same as CY2Q                          |
|      | CZN  | SP | .... | Cranbrook, B. C. Same as CY2Q                         |
|      | CZ7A | SP | .... | Alert Bay, B. C. Same as CY2Q                         |
|      | KANX | T  | 15   | Windham, Alaska. N. B. Randall                        |
|      | KBNO | T  | 10   | Haycock, T. A. Wien Alaska Airlines, Inc.             |
|      | KBNW | T  | 30   | Pederson Point, T. A. Alaska Salmon Co.               |
|      | KBNY | T  | 30   | Wood River, T. A. Same as KBNW                        |
|      | KSC  | CH | 30   | Pederson Point, T. A. Same as KBNW                    |
|      | KSJ  | CH | 30   | Wood River T. A. Same as KBNW                         |
| 1710 | CZ6F | MP | .... | Hamilton Ont.   |
| 1712 | COL2 | MP | .... | Havana Cuba   |
|      | KACU | MP | 500  | Longview Tex. Gregg County Sheriff's Dept.            |
|      | KADM | MP | 235  | Gainesville Tex. City of G.                           |
|      | KADT | MP | 50   | Marshall Tex. City of M.                              |
|      | KAPM | MP | 100  | Wailuku, Hawaii. County of Maui.                      |
|      | KGHY | MP | 50   | Whittier, Calif.                                      |
|      | KGJX | MP | 400  | Pasadena, Calif. City of P.                           |
|      | KGPI | MP | 100  | Beaumont Tex. City of B.                              |
|      | KGPY | MP | 500  | Los Angeles, Calif. City of L. A.                     |
|      | KGPO | MP | 500  | Honolulu, Hawaii. City and County of H.               |
|      | KGPR | MP | 400  | Forth Worth, Tex. City of F. W.                       |
|      | KGZL | MP | .... | Shreveport, La. City of S.                            |
|      | KGZO | MP | 50   | Waco, Tex. City of W.                                 |
|      | KGZY | MP | 50   | Wahiawa, Oahu, T. H. Same as KGPO                     |
|      | KHAA | MP | 100  | San Bernardino, Calif. City of S. B.                  |
|      | KHAB | MP | 100  | Kaneoha, Oahu, T. H. Same as KGPO                     |
|      | KHAC | MP | 50   | Pearl City, T. H. Same as KGPO                        |
|      | KHTP | MP | 500  | Houston, Tex. City of H.                              |
|      | KKPD | MP | 50   | Kilgore Tex. City of K.                               |
|      | KNFI | MP | 50   | Pomona, Calif.  |
|      | KNGE | MP | 50   | Cleburne, Tex.  |
|      | KNGL | MP | 50   | Galveston, Tex.                                       |
|      | KNG  | MP | 200  | Portable in Los Angeles, Calif. Same as KGPI          |
|      | KNHF | MP | 50   | Denton Tex. City of D.                                |
|      | KPAT | MP | 60   | Port Arthur, Tex. City of P. A.                       |
|      | KQAD | MP | .... | Indio, Calif. Riverside County Radio                  |
|      | KODN | MP | 50   | Lufkin, Tex. City of L.                               |
|      | KOEG | MP | 25   | Gardena, Calif. City of G.                            |
|      | KOKM | MP | 250  | Paris, Tex. City of P.                                |
|      | KSBC | MP | 500  | San Bernardino Calif. San Bardino-Riverside Counties. |
|      | KVP  | MP | 500  | Dallas, Tex. City of D.                               |
|      | VYR  | MP | 400  | Montreal, P. Q. City of M.                            |
|      | WAKF | MP | 50   | Everett, Mass. City of E. Police                      |
|      | WAKV | MP | 50   | Fall River, Mass. City of F. R.                       |
|      | WBRI | MP | 50   | Bristol, R. I. Town of B.                             |
|      | WMPB | MP | 50   | Brockton Mass. City of B.                             |
|      | WMPH | MP | 50   | Newport, R. I. City of N.                             |
|      | WMPN | MP | 50   | Needham Mass. Town of N.                              |
|      | WMPR | MP | 50   | Revere, Mass. City of R.                              |
|      | WPDB | MP | 500  | Chicago, Ill. Citq of C.                              |
|      | WPDC | MP | 500  | Chicago, Ill. Citq of C.                              |
|      | WPDD | MP | 500  | Chicago, Ill. Citq of C.                              |
|      | WPDU | MP | 100  | Pittsburgh, Pa. City of P.                            |
|      | WPED | MP | 100  | Arlington, Mass. Town of A.                           |
|      | WPEI | MP | 100  | Somerville, Mass. City of S.                          |
|      | WPEI | MP | 50   | E. Providence, R. I.                                  |
|      | WPFA | MP | 50   | Newton, Mass. City of N.                              |

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|      | WPFN    | MP                 | 100  | Fairhaven, Mass.   |
|      | WPGF    | MP                 | 150  | Providence, R. I.  |
|      | WPGU    | MP                 | 50   | Cohasset, Mass.  |
|      | WPGV    | MP                 | 500  | Boston, Mas. City of B.  |
|      | WPHG    | MP                 | 50   | Medford, Mass. City of M.  |
|      | WPIA    | MP                 | 40   | Warren, R. I. Town of W.   |
|      | WQFL    | MP                 | 50   | Oak Park, Ill. Village of O. P.  |
|      | WQFX    | MP                 | 100  | Waukegan, Ill. Lake County Police  |
| 1715 | to 2000 | kcs., Amateurs.    |      |  |
| 1750 | CMCP    | SP                 | 500  | Havana, Cuba. Policia Nacional   |
| 1865 | HRX2    | C                  | 400  | La Lima, Honduras. Tela R. R. Co.  |
| 1875 | PVA3    | 3                  | .... | Alcobaca, Para, Brazil   |
| 2000 | to 2111 | — Television Band. |      | Band. See separate list of television stations   |
| 2000 | WUMS    | TA                 | 75   | Proctorville, Ohio. David Thomas   |
|      | W2XWG   | TA                 | 500  | Carlstadt, N. J. Kolorama Labs., Inc.,<br>Irvington, N. J.                                       |
| 2012 | W2XR    | E                  | .... | Long Island City N. Y. Radio Pictures, Inc.  |
| 2020 | VJI     | ....               | .... | Cloncurry, Qsld., Australia. Australian Airways<br>Medical Service                               |
|      | VK8SK   | ....               | .... | Broken Hill N.S.W. Australia. Same as VJI  |
| 2022 | CZ6H    | C                  | .... | Bouchette, P. Q. Canadian International Paper<br>Co.   |
|      | CZ7Y    | T                  | .... | Banff, Alta. Dept. of Mines and Resources  |
|      | KAIH    | RB                 | 25   | Portable. Earl C. Anthony, Inc.  |
|      | KAQY    | RB                 | 40   | Wichita, Kans. Farmers & Bankers Brdcstg.<br>Duluth, Minn. Red River Brdcstg. Co., Inc.<br>Serv. |
|      | KBTA    | RB                 | 10   | Duluth, Minn. Same as KBTA   |
|      | KBTB    | RB                 | 50   | Bloomington, Ill. A. M. & D. C. McGregor   |
|      | WAAO    | RB                 | 100  | St. Paul, Minn. Minn. Brdcstg. Corp.   |
|      | WAFY    | RB                 | 25   | Norfolk, Va. WTAR Radio Corp.  |
|      | WAHE    | RB                 | 50   | Norfolk, Va. Same as WAHE  |
|      | WAHF    | RB                 | 50   | Richmond Va. Richmond Radio Corp.  |
|      | WAHM    | RB                 | 50   | Aurora, Ill. Martin O'Brien  |
|      | WAOE    | RB                 | 50   | Tampa Fla. Tampa Times Co.   |
|      | WDAJ    | RB                 | 40   | Syracuse, N. Y. Central N. Y. Brdcstg. Corp.   |
|      | WFYA    | RB                 | 100  | Wilson, N. C. WGTM Inc.  |
|      | WGTO    | RB                 | 25   | Harrisburg, Pa. WHP, Inc.  |
|      | WHPA    | RB                 | 40   | New York City. NBC, Inc.   |
|      | WIEW    | RB                 | 25   | Bate Comeau P. Q. Ont. Paper Co. Ltd.  |
| 2030 | CY2L    | T                  | .... | Chutes aux Outardes, P. Q. Same as CY2L  |
|      | CY20    | T                  | .... | Clarke City, P. Q. Gulf Pulp and Paper Co.   |
|      | CY3E    | T                  | .... | Lawton, Okla. City of L.   |
| 2036 | KGHP    | MP                 | .... | Santa Ana, Calif. Orange County  |
|      | KGHX    | ZP                 | .... | Little Rock, Ark. City of L. R.  |
|      | KGHZ    | ZP                 | 100  | Kirkwood Mo. State of Mo. Highway Patrol   |
|      | KHPG    | ZP                 | 200  | Duluth, Minn. City of D.   |
|      | KNFE    | ZP                 | 500  | Mobile. State of Ore. Police & Highway Dept.   |
|      | KOHM    | ZP                 | .... | Oklahoma City, Okla. State of Okla. Dept. of<br>Public Safety                                    |
|      | KOSO    | ZP                 | 125  | Mobile. State of Wash.   |
|      | KOBX    | ZP                 | 50   | Columbus, Ga. City of C.   |
|      | WPFI    | ZP                 | .... | Findley, Ohio. State of Ohio   |
|      | WPGG    | ZP                 | 300  | Columbus Ohio. Same as WPGG  |
|      | WPGU    | ZP                 | .... | Massillon, Ohio. Same as WPG   |
|      | WPHC    | ZP                 | 300  | Wilmington, Ohio. Same as WPGG   |
|      | WPHK    | ZP                 | 300  | Cambridge, Ohio. Same as WPGG  |
|      | WPHT    | ZP                 | 300  | Pontiac, Mich. City of P.  |
|      | WQMG    | ZP                 | 50   | French Village, Ill. State of Ill. Dept. of Pub.<br>Works, State Highway & Maintenance Police    |
|      | WQPJ    | ZP                 | 250  | Portable in Ill. Same as WQPI  |
|      | WQPX    | ZP                 | .... | Portable in Ill. Same as WQPI  |
|      | WOPY    | ZP                 | .... | Amos, P. Q. Canadian National R. R.  |
| 2040 | CYC     | C                  | .... | Lawton, Okla. City of L.   |
|      | KGHP    | MP                 | .... | Santa Ana Calif. Orange County   |
|      | KGHX    | ZP                 | .... | Little Rock, Ark. City of L. R.  |
|      | KGHZ    | ZP                 | 100  | Jefferson City, Mo. State of Mo. Highway<br>Patrol   |
|      | KHPF    | ZP                 | 500  | Kirkwood, Mo. Same as KHPF   |
|      | KHPG    | ZP                 | 200  | Duluth, Minn. City of D.   |
|      | KNFE    | ZP                 | 500  | Mobile in Ore. State of Ore. Police & Highway<br>Depts.  |
|      | KOHM    | ZP                 | .... | Oklahoma City, Okla. State of Okla. Dept. of<br>Pub. Safety                                      |
|      | KOSO    | ZP                 | 125  | Mobile in Wash. State of Wash.   |
|      | KOBX    | ZP                 | 50   | Columbus Ga. City of C.  |
|      | WPFI    | ZP                 | .... | Findlay, Ohio. State of Ohio   |
|      | WPGG    | ZP                 | 300  | Columbus, Ohio. Same as WPGG   |
|      | WPGU    | ZP                 | .... | Massillon, Ohio. Same as WPG   |
|      | WPHC    | ZP                 | 300  | Wilmington, Ohio. Same as WPGG   |
|      | WPHK    | ZP                 | 300  | Cambridge, Ohio. Same as WPGG  |
|      | WPHT    | ZP                 | 300  | Pontiac Mich. City of P.   |
|      | WQMG    | ZP                 | 50   |  |

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|      | WQPJ | ZP | 250  | French Village, Ill. State of Ill. Dept. of Pub. Works, State Highway & Maintenance Police |
|      | WOPX | ZP | .... | Portable in Ill. Same as WOPJ  |
|      | WOPY | ZP | 168  | Portable in Ill. Same as WOPJ  |
|      | WOPZ | ZP | 10   | Portable in Ill. Same as WOPJ  |
| 2044 | KGHP | ZP | .... | Lawton, Okla. City of L.   |
|      | KGHX | ZP | .... | Santa Ana, Calif. Orange County  |
|      | KGHZ | ZP | 100  | Little Rock, Ark. City of L. R.  |
|      | KHPF | ZP | 500  | Jefferson City, Mo. State of Mo. Highway Patrol  |
|      | KHPG | ZP | 200  | Kirkwood, Mo. Same as KHPF   |
|      | KNFE | ZP | 500  | Duluth, Minn. fCity of D.  |
|      | KOHM | ZP | .... | Mobile in Ore. State of Ore. Police & Highway Depts.                                       |
|      | KOSO | ZP | 125  | Oklahoma City, Okla. State of Okla. Dept. of Pub. Safety                                   |
|      | KOBX | ZP | 50   | Mobile in Wash. State of Wash.   |
|      | WPFJ | ZP | .... | Columbus, Ga. City of C.   |
|      | WPGG | ZP | 300  | Findlay Ohio. State of O.  |
|      | WPGQ | ZP | .... | Columbus, Ohio. Same as WPGG   |
|      | WPHC | ZP | 300  | Massillon Ohio. Same as WPGG   |
|      | WPHK | ZP | 300  | Wilmington, Ohio. State of Ohio  |
|      | WPHT | ZP | 300  | Cambridge, Ohio. State of Ohio   |
|      | WQMG | ZP | 50   | Pontiac, Mich. City of P.  |
|      | WQPJ | ZP | 250  | French Village, Ill. State of Ill. Dept. of Pub. Works, State Highway & Maintenance Police |
|      | WOPX | ZP | .... | Portable in Ill. Same as WOPJ  |
|      | WOPY | ZP | 168  | Portable in Ill. Same as WOPJ  |
| 2058 | KAAD | RB | 40   | Fort Worth, Tex. Tarrant Brdctg. Co.   |
|      | KAAR | RB | 40   | Denver, Colo. KLZ Brdctg. Co.  |
|      | KAOE | RB | 50   | Chenandoah, Iowa. KFNF, Inc.   |
|      | KAOF | RB | 50   | Shenandoah, Iowa. KFNF, Inc.   |
|      | KBOL | RB | 20   | Omaha, Nebr. Woodmen of the World.   |
|      | KDAC | RB | 25   | Fresno, Calif. Geo. Harm   |
|      | KDEA | RB | 40   | Portable. KANS.  |
|      | KDJB | RB | 125  | Mason City, Iowa. Globe-Gazette.   |
|      | WAHL | RB | 40   | Paducah, Ky. Paducah Brdctg. Co.   |
|      | WAIH | RB | 50   | Chicago Ill. WGN, Inc.   |
|      | WAIN | RB | 25   | Peoria, Ill. Peoria. Brdctg. Co.   |
|      | WAJY | RB | 100  | Utica, N. Y. WIBX, Inc.  |
|      | WATS | RB | 100  | Akron, Ohio. Allen T. Simmons.   |
|      | WAUT | RB | 50   | Evansville Ind. Evansville on the Air, Inc.  |
|      | WAXE | RB | 500  | Richmond, Va. Havens & Martin, Inc.  |
|      | WBAO | RB | 2    | Newark, N. J. Bamberger Brdctg. Serv. Inc.   |
|      | WBAQ | RB | 30   | Newark N. J. Same as WBAO  |
|      | WDAC | RB | 10   | Madison, Wis. Univ. of Wis.  |
|      | WEHL | RB | .... | Bangor, Maine. Community Brdctg. Serv. Inc.  |
|      | WGHB | RB | 40   | Tampa, Fla. Fla. West Coast Brdctg. Co.  |
|      | WHMB | RB | 10   | Anniston, Ala. AHMA  |
|      | WNYK | RB | 50   | New York City. NYC Municipal Brdctg. Sys.  |
|      | WNYL | RB | 50   | New York City. Same as WNYK  |
|      | WNYN | RB | 3    | New York City. Same as WNK   |
|      | WNYO | RB | 3    | New York City. Same as WNK   |
|      | WHPT | RB | 50   | High Point, N. C. Radio Station WMFR, Inc.   |
|      | WRDI | RB | 100  | Danville, Ill. Northwestern Pub. Co.   |
|      | WTHB | RB | 40   | Tampa, Fla. WFLA   |
| 2090 | WTNK | RB | 40   | Trenton, N. J. WOAX Inc.   |
|      | KAOG | RB | 8    | Los Angeles, Calif. Don Lee Brdctg. Sys.   |
|      | KBQA | RB | 20   | Winona, Minn. Winona Radio Serv.   |
|      | KEMA | RB | 25   | Shenandoah, Iowa. May Seed Co.   |
|      | KNEB | RB | 10   | Tacoma, Wash. Puget Sound Brdctg. Co.  |
|      | KSCR | RB | 100  | Sacramento, Calif. McClatchey Brdctg. Co.  |
|      | WAUB | RB | 40   | Nashville, Tenn. WSIX  |
|      | WAUC | RB | 50   | Syracuse, N. Y. Onondaga Radio Brdctg. Corp.   |
|      | WBAC | RB | 2    | Portable, N. J. Brdctg. Corp.  |
|      | WBAF | RB | 25   | Cincinnati, Ohio. L. N. Wilson, Inc.   |
|      | WFBY | RB | 50   | Cincinnati Ohio. CBS, Inc.   |
|      | WTRA | RB | 250  | Detroit, Mich. WJR The Goodwill Station  |
| 2092 | KANX | T  | 15   | Windham, Alaska. N. B. Randall.  |
|      | KIJP | T  | .... | Uganik Bay, T. A. San Juan Fishing & Packing Co., Seattle Wash.                            |
|      | KIOJ | T  | 5    | Stuyahok Landing, T. A. W. R. E. Moore   |
| 2102 | KAIH | RB | 25   | Portable. Earle C. Anthony, Inc.   |
|      | KAQY | RB | 40   | Wichita, Kans. Farmers & Bankers Brdctg. Service   |
|      | KBTA | RB | 10   | Duluth, Minn. Red River Brdctg. Co., Inc.  |
|      | KBTB | RB | 50   | Duluth Minn. Same as KBTA  |
|      | WAAO | RB | 100  | Bloomington, Ill. A. M. & D. C. McGregor   |
|      | WAFY | RB | 25   | St. Paul, Minn. Minn. Brdctg. Corp.  |
|      | WAHE | RB | 50   | Norfolk, Va. WTAR Radio Corp.  |
|      | WAHF | RB | 50   | Norfolk, Va. WTAR Radio Corp.  |
|      | WAHM | RB | 50   | Richmond, Va. Richmond Radio Corp.   |
|      | WAOE | RB | 50   | Aurora Ill. Martin O'Brien   |

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|      | WDAJ                   | RB  | 40   | Tampa, Fla. Tampa Times Co.  |
|      | WFYA                   | RB  | 100  | Syracuse, N. Y. Central N. Y. Brdcastg. Corp.  |
|      | WGTO                   | RB  | 25   | Wilson, N. C. WGTM, Inc.   |
|      | WHPA                   | RB  | 40   | Harrisburg, Pa. WHP, Inc.  |
|      | WIEW                   | RB  | 25   | New York City. NBC, Inc.   |
| 2110 | KMKK                   | S   | .... | S. S. "Islamorada." John D. Reilly. (This freq. used only in vicinity of Boston).                            |
|      | WCEK                   | S   | 50   | S. S. "Bluffin." State of Calif. Dept. of Natural Resources. (This freq. used in vicinity of San Francisco). |
|      | WPKS                   | S   | 30   | S. S. "Aleksander I." Pete Damaria.  |
|      | WPMP                   | S   | 30   | S. S. "J. B. Edwards." Ole J. Edwards  |
|      | WPPC                   | S   | 50   | S. S. "North Star." Sam Lonero   |
|      | WQBM                   | S   | 50   | S. S. "Albacore." Same as WCEK   |
| 2118 | W3XNY                  | SEM | .... | Portable-Mobile. Bell Tel. Labs., Inc.   |
|      | KMKK                   | S   | .... | S. S. "Islamorada." John D. Reilly. (This freq. used in vicinity of Miami).                                  |
|      | KYZC                   | G   | .... | Chula Vista, Calif. U. S. Immigration Border Patrol.   |
|      | KYZE                   | G   | .... | El Centro, Calif. Same as KYZC   |
|      | WOGK                   | S   | 100  | Yacht "Mako." Thorne Donnelley   |
|      | W3XNY                  | SEM | .... | Portable-Mobile. Bell Tel. Labs., Inc.   |
|      | W10XKG                 | S   | 75   | Tow Boat "Alex Mackensie." Radiomarine Corp. of America.   |
| 2126 | KJJB                   | S   | 50   | S. S. "Elizabeth River." Phila. & Norfolk S. S. Co.  |
|      | KJLY                   | S   | 50   | S. S. "Hampton Roads." Same as KJJB  |
|      | KMKH                   | S   | .... | Yacht "Samona."  |
|      | WCEK                   | S   | 50   | S. S. "Bluffin." State of Calif. Dept. of Natural Resources. (This freq. used in vicinity of Seattle)        |
|      | WPKS                   | S   | 30   | S. S. "Aleksander I." Pete Damaria.  |
|      | WPMP                   | S   | 30   | S. S. "J. B. Edwards." Ole J. Edwards  |
|      | WPPC                   | S   | 50   | S. S. "North Star." Sam Lonero   |
| 2150 | WQBM                   | S   | 50   | S. S. "Albacore." Same as WCEK   |
|      | CY2L                   | T   | .... | Baie Comeau, P. Q. Ont. Paper Co., Ltd.  |
|      | CY2O                   | T   | .... | Chutes aux Outardes, P. Q. Same as CY2L  |
|      | KAAD                   | RB  | 40   | Fort Worth, Tex. Tarrant Brdcastg. Co.   |
|      | KAAR                   | RB  | 40   | Denver, Colo. KLZ Brdcastg. Co.  |
|      | KAOE                   | RB  | 50   | Shenandoah, Iowa. KFNF, Inc.   |
|      | KAOF                   | RB  | 50   | Shenandoah, Iowa. KFNF, Inc.   |
|      | KBOL                   | RB  | 20   | Omaha, Nebr. Woodmen of the World  |
|      | KDAC                   | RB  | 25   | Fresno, Calif. George Harm   |
|      | KDEA                   | RB  | 40   | Portable. Kans.  |
|      | WAHL                   | RB  | 40   | Paducah, Ky. Paducah Brdcastg. Co.   |
|      | WAIH                   | RB  | 50   | Chicago Ill. WGN, Inc.   |
|      | WAIN                   | RB  | 25   | Peoria, Ill. Peoria Brdcastg. Co.  |
|      | WAIY                   | RB  | 100  | Utica N. Y. WTRX, Inc.   |
|      | WATS                   | RB  | 100  | Akron, Ohio. Allen T. Simmons  |
|      | WAUT                   | RB  | 50   | Evansville, Ind. Evansville on the Air, Inc.   |
|      | WAXE                   | RB  | 500  | Richmond, Va. Havens & Martin, Inc.  |
|      | WBAO                   | RB  | 2    | Newark, N. J. Bamberger Brdcastg. Ser. Inc.  |
|      | WBAQ                   | RB  | 30   | Newark N. J. Same as WBAO  |
|      | WDAC                   | RB  | 10   | Madison Wis. Univ. of Wis.   |
|      | WEHL                   | RB  | .... | Bangor, Maine. Community Brdcastg. Serv. Inc.  |
|      | WGHB                   | RB  | 40   | Tampa, Fla. Fla. West Coast Brdcastg. Co.  |
|      | WHMB                   | RB  | 10   | Anniston, Ala. WHMA  |
| 2158 | This frequency used by |     |      | ships on teh Great Lakes to contact WMI at   |
|      | Lorain Ohio            |     |      |  |
| 2166 | W3XNY                  | SE  | .... | Portable-Mobile. Bell. Tel. Labs., Inc.  |
| 2174 | HPAY                   | S   | .... | Yacht "Virginia."  |
|      | KBOJ                   | C   | 50   | Shearwater Bay, T. A. Kadiak Fisheries Co.   |
|      | KGE                    | CH  | 50   | Shearwater Bay, T. A. Same as KBOJ   |
|      | KGPB                   | MP  | 500  | Minneapolis, Minn. City of M.  |
|      | KGZJ                   | MP  | 100  | Phoenix, Ariz. City of P.  |
|      | KIJW                   | T   | .... | Shearwater Bay, T. A. Same as KBOJ   |
|      | KIOH                   | T   | .... | Iron Creek, T. A. Southwestern Herring Co.   |
|      | KIU                    | CH  | 50   | Iron Creek, T. A. Same as KIOH   |
|      | KNGP                   | MP  | 250  | Shreveport, La. City of S.   |
|      | KNHG                   | MP  | 10   | Prescott, Ariz. City of P.   |
|      | KOHM                   | MP  | 50   | Prescott, Ariz. Sheriff's Office. Yavapai County   |
|      | KSH                    | CH  | 50   | Combine. T. A. Same as KAKI  |
|      | KSK                    | CH  | 50   | Thompson, T. A. Same as KAKI   |
|      | WAKH                   | MP  | 50   | Bloomfield, N. J. Town of B.   |
|      | WAME                   | MP  | 50   | Baton Rouge, La. East Baton Rouge Parish   |
|      | WBRP                   | MP  | 250  | Baton Rouge, La. City of B. R.   |
|      | WCPD                   | MP  | 50   | Charleston, S. C. City Council of C.   |
|      | WPDI                   | MP  | 250  | Columbus, Ohio. City of C.   |
|      | WPDM                   | MP  | 40   | Dayton, Ohio. City of D.   |
|      | WPEK                   | MP  | 250  | New Orleans, La. City of N. O.   |
|      | WPFED                  | MP  | .... | Highland Park, Ill.  |



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|      | KYQE  | S     | 50    | Baie Comeau, P. Q. Ontario Paper Co., Ltd.   |
|      | KLWY  | ..... | ..... | S. S. "Caroline." Joseph M. Schenck. 20th-Century Fox Film Corp., Beverly Hills, Calif.                  |
|      | KMKH  | ..... | ..... | S. S. "Guppy."   |
|      | VGBO  | ..... | ..... | S. S. "Samona."  |
|      | WBDY  | ..... | ..... | Yacht "Seyelyn."   |
|      | WCEK  | S     | 50    | Yacht "Bolero II."   |
|      |       |       |       | S. S. "Bluffin." State of Calif. Dept. of Natural Resources. (This freq. used in vicinity of San Pedro). |
|      | WDFV  | S     | ..... | Yacht "Content."   |
|      | WJDM  | ..... | ..... | Yacht "Sartarsia."   |
|      | WKFK  | ..... | ..... | Tug "Rocona."  |
|      | WKFM  | ..... | ..... | Derrick Barge, 4.  |
|      | WKFN  | ..... | ..... | Tug "Sonoma."  |
|      | WOJB  | ..... | ..... | Yacht "El Dorado."   |
|      | WOKO  | ..... | ..... | Yacht "The Chief."   |
|      | WOLR  | ..... | ..... | Yacht "Mariner."   |
|      | WPKS  | S     | 30    | S. S. "Aleksander I." Pete Damaria.  |
|      | WPMP  | S     | 30    | S. S. "J. B. Edwards." Ole J. Edwards.   |
|      | WPPC  | S     | 50    | S. S. "North Star."  |
|      | WQBM  | S     | 50    | S. S. "Albacore." Same as WCEK   |
| 2182 | KYZD  | G     | ..... | Del Rio, Tex. U. S. Immigration Border Patrol  |
|      | KYZK  | G     | ..... | McAllen, Tex. Same as KYZD   |
|      | KYZL  | G     | ..... | Laredo, Tex. Same as KYZD  |
|      | WAD   | CHT   | 400   | Port Washington, Wis. Lorain County Radio Corp.  |
|      | WAY   | ..... | ..... | Lake Bluff, Ill. Thorne Donnellor  |
|      | CYY   | CHT   | 400   | West Dover, Ohio. (600 watts days). Radiomarine Corp.  |
| 2190 | KAOG  | RB    | 8     | Los Angeles, Calif. Don Lee Brdcstg. Sys.  |
|      | KBQA  | RB    | 20    | Winona, Minn. Winona Radio Serv.   |
|      | KEMA  | RB    | 25    | Shenandoah, Iowa. May Seed Co.   |
|      | KNEB  | RB    | 10    | Tacoma, Wash. Puger Sound Brdcstg. Co.   |
|      | WAUB  | RB    | 40    | Sacramento, Calif. McCloschey Brdcstg. Co.   |
|      | KSCR  | RB    | 100   | Nashville, Tenn. WSIX  |
|      | WAUO  | RB    | 50    | Syracuse, N. Y. Onondaga Radio Brdcstg. Corp.  |
|      | WBAC  | RB    | 2     | Portable. N. J. Brdcstg. Corp.   |
|      | WBAF  | RB    | 25    | Cincinnati, Ohio. L. B. Wilson, Inc.   |
|      | WFYB  | RB    | 50    | Cincinnati, Ohio. CBS Inc.   |
|      | WJRA  | RB    | 250   | Detroit, Mich. WJR The Goodwill Station  |
| 2198 | KMKK  | S     | ..... | S. S. "Islamorada." John D. Reilly. (This freq. used in vicinity of New York).                           |
|      | W3XNY | E     | ..... | Portable Mobile. Bell Tel. Labs., Inc.   |
| 2204 | CZ7F  | T     | ..... | Clearwater Bay Ont. Kenricia Gold Mines, Ltd.  |
| 2212 | CZ2B  | T     | ..... | Bridge River, B. C. North-West Telephone Co.   |
|      | WAGJ  | F     | 50    | Shamrock Fla. Stat. of Fla. Board of Forestry  |
| 2226 | WSTD  | F     | 100   | Panama City, Fla. State of Fla. Board of Forestry  |
| 2228 | CZ9X  | FA    | ..... | Carcross Y. T. Northern Airways, Ltd.  |
| 2236 | KBSC  | F     | 20    | Portable in Ore. State of Ore. Dept. of Forestry   |
|      | KOFF  | F     | 20    | Portable in Ore. Same as KBSC  |
|      | KOFR  | F     | ..... | Portables 14 units. 2 watts each. Same as KBSC   |
|      | KOGO  | F     | 20    | Portable in Ore. Same as KBSC  |
|      | KOHN  | F     | 20    | Portable in Ore. Same as KBSC  |
|      | KOHO  | F     | 50    | Portable in Ore. Same as KBSC  |
| 2240 | CY6Q  | T     | ..... | Cambellton N. B. Town of C. Electric Light Dept.   |
| 2244 | KAIV  | F     | 40    | Perris, Calif. State of C. Dept. of Natural Resources. Div. of Forestry                                  |
|      | KAIX  | F     | 40    | Portable in Calif. Same as KAIV  |
|      | KBIA  | F     | 40    | San Bernardino, Calif. Same as KAIV  |
| 2246 | CZ6H  | T     | ..... | Bouchette, P. A. Canadian International Paper Co.  |
| 2256 | CYC   | C     | ..... | Arnos, P. A. Canadian National R. R.   |
| 2260 | CZ7U  | T     | ..... | Baker Creek B. C. North-West Telephone Co.   |
| 2284 | CKO   | T     | ..... | Crane Island P. O. Dept. of Public Works   |
|      | CZ3H  | T     | ..... | Brion Island, P. O. Dominion Gov't.  |
| 2290 | CY2L  | T     | ..... | Chutes aux Outardes, P. Q. Same as CY2L  |
|      | CY2O  | T     | ..... | Chutes aux Outardes, P. Q. Same as CY2L  |
| 2292 | CFW   | T     | ..... | Bones Bay, B. C. Canadian Fishing Co., Ltd.  |
|      | CIE   | T     | ..... | Geopseece, B. C. Canadian Packing Co.  |
|      | CIS   | C     | ..... | Butedale, B. C. Same as CFW  |
|      | KACX  | SE    | ..... | Portable in Calif. Southern Edison Co., Ltd.   |
|      | FAMB  | SEM   | 50    | Alhambra, Calif. Same as KACX  |
|      | KODZ  | SEM   | 50    | Anaheim, Calif. (i unit-20 w). Same as KACX  |
|      | VAC   | T     | ..... | Cape Iazo, B. C. Dept. of Transport Dominion Gov't.  |
|      | VAF   | T     | ..... | Alert Bay, B. C. Same as VAC   |
|      | VDG   | C     | ..... | Atli Inlet, B. C. Kelley Logging Co., Ltd.   |
|      | VXZ   | T     | ..... | Cumshewa Inlet B. C. Allison Logging Co., Ltd.   |
| 2370 | CY6A  | MP    | ..... | Corwall, Ont. Town of C.   |

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|      | CY6U   | MP   | .... | Brantford, Ont. City of B.   |
| 2318 | CYQ    | MP   | 400  | Toronto, Ont.  |
| 2320 | TGWG   | B    | 1000 | Guatemala City, Guatemala. Radiodifusora Nacional "La Voz de Guatemala." Relays TGW. Musical theme "El Ranchito" played on marimbas. |
| 2340 | HOA    | B    | .... | Panama City, Panama. Slogan "Ron Dalley." Theme, prelude from "Traviata," Salvador G. Graziani, Box 1121                             |
| 2366 | CZ5O   | MP   | .... | Ottawa, Ont.   |
|      | WAKC   | MP   | 400  | Freehold N. J. Monmouth County Welfare House, Brier Hill Road.   |
| 2382 | KBNC   | T    | 20   | Feldergale, Alaska. Felder, Gale, Inc.   |
|      | KGHT   | MP   | 25   | Brownsville, Tex. City of B.   |
|      | KGHV   | MP   | 500  | Corpus Christi Tex. City of C. C.  |
|      | KNFE   | MP   | 400  | Duluth, Minn. City of D.   |
|      | KNHB   | MP   | 1000 | Green Bay, Wis. City of G. B.  |
|      | KQN    | CH   | 50   | Feldergale, T. A. Same as KHNC   |
|      | WAKE   | MP   | 500  | Oshkosh, Wis. Winnebago County   |
|      | WASP   | MP   | 100  | Selma, Ala. City of S. Police Dept.  |
|      | WMPE   | MP   | 100  | Elkhorn Wis. Walworth County Sheriff's Dept.   |
|      | WMPM   | MP   | 50   | Montgomery, Ala. City of M.  |
|      | WPDN   | MP   | 50   | Auburn, N. Y.  |
|      | WPEA   | MP   | 40   | Syracuse, N. Y. City of S.   |
|      | WPEM   | MP   | 400  | Birmingham, Ala. City of B.  |
|      | WPGW   | MP   | 400  | Mobile, Ala. City of M.  |
| 2385 | KNLF   | F    | 15   | Crater Lake National Park Ore. Mt. Scott Ranger Station  |
|      | KNLG   | F    | 15   | Crater Lake Nat'l. Park, Ore.  |
|      | KNLH   | F    | 15   | Crater Lake Nat'l. Park, Ore. Lost Creek Ranger Station  |
| 2390 | CGZ    | MP   | 400  | Vancouver, B. C. Corp. of the City of V.   |
|      | CIW    | MP   | 15   | St. John, N. B. Dept. of Pub. Safety   |
|      | CJZ    | MP   | 20   | Verdun, P. Q. City of V.   |
| 2392 | CY2Q   | SP   | .... | Atlin B. C. B. C. Provincial Police  |
|      | CZC    | SP   | .... | Bralorne, B. C. Same as CY2Q   |
|      | CZ7A   | SP   | .... | Alert Bay, B. C. Same as CY2Q  |
| 2396 | VYW    | MP   | 600  | Winnepeg, Man. Board of Police Commissioners   |
| 2398 | K6XAK  | GE   | 1500 | Kaena Point, Oahu, Hawaii. Globe Wireless, Ltd.  |
|      | WIXSL  | E1   | 100  | Southbridge, Mass. Harvey-Wells Communications, Inc.   |
|      | W4XID  | E1   | 50   | W. Palm Beach, Fla. Gray Radio Co.   |
|      | W4XII  | FA   | 1000 | Coral Gables, Fla. Pan American Airways, Inc.  |
|      | W6ZCS  | GE   | 50   | San Francisco, Calif. Carlynn Eng. Co.   |
|      | W6XQW  | GE   | 1000 | Palo Alto, Calif. Stanford University  |
|      | W6XRZ  | E1   | 500  | Portable. Red Salmon Canning Co.   |
|      | W6XXT  | GE   | 5000 | Portable. Press Wireless, Ltd.   |
|      | W7XBA  | E    | 15   | Portable. Northern Radio Co.   |
|      | W7XEY  | E1   | 60   | Seattle, Wash. Radio Labs., Inc.   |
|      | W7XEZ  | E1   | 60   | Seattle, Wash. Radio Labs., Inc.   |
|      | W8XUK  | GE   | 10   | Portable-Mobile. W. Va. Univ. Dept. of Physics.  |
|      | W8XUL  | GE   | 10   | Portable-Mobile. Same as W8XUK   |
|      | W10XJJ | GE   | 25   | Portable-Mobile. Harvey Radio Labs. Inc.   |
| 2400 | WCBN   | RB   | .... | New York City. CBS, Inc.   |
| 2406 | KGHZ   | MP   | 100  | Little Rock, Ark. City of L. R.  |
|      | KGPW   | MP   | 100  | Salt Lake City, Utah. City of S. L. C.   |
|      | KNHE   | MP   | 100  | Fort Smith, Ark. City of F. S.   |
|      | KQEH   | MP   | 250  | Hot Springs, Ark. Gerland County   |
|      | KQGP   | MP   | 250  | Pine Bluff, Ark. Jefferson County Sheriff's Office   |
|      | WRIP   | MP   | 50   | Brainerd Min. City of B.   |
| 2414 | KACE   | MP   | 50   | Olympia Wash. City of O.   |
|      | KACJ   | MP   | 250  | Wenatchee Wash. Chelan County  |
|      | KACK   | MP   | 50   | Bellingham Wash. City of B. Police City Hall, Lottie St.   |
|      | KACN   | MP   | 200  | Ventura Calif.   |
|      | KACO   | MP   | 15   | Tracy, Calif. City of T. Police  |
|      | KACS   | MP   | 500  | Bakersfield, Calif. Kern County Police   |
|      | KACV   | MP   | 50   | Walla Walla, Wash. City of W. W.   |
|      | KADL   | MP   | 50   | Port Orchard, Wash. Kitsap County Sheriff's Office   |
|      | KAPH   | MP   | 500  | Stockton, Calif. San Joaquin County Court House  |
|      | KAPL   | MP   | 50   | Hoquiam, Wash. City of H.  |
|      | KASE   | MP   | 250  | Modesto, Calif. Stanislaus County Sheriff's Office   |
|      | KASF   | MP   | 50   | Bremerton, Wash. City of B.  |
|      | KGAZ   | SP   | .... | Mobile in Wash. State of Wash.   |
|      | KGHS   | MP   | 100  | Spokane, Wash. City of S.  |
|      | KGHW   | MP   | 50   | Centralia, Wash. City of C.  |
|      | KGPA   | Fire | 500  | Seattle, Wash.   |
|      | KGPF   | MP   | 25   | Santa Fe, N. Mex.  |
|      | KBPS   | MP   | 50   | Bakersfield, Calif. City of B.   |
|      | KGZA   | MP   | 500  | Fresno, Calif. City of F.  |

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|      | KGZM | MP  | 100 | El Paso, Tex. City of E. P.  |
|      | KGZN | MP  | 100 | Tacoma, Wash. City of T.   |
|      | KGZO | MP  | 35  | Santa Barbara, Calif. City of S. B.  |
|      | KGZV | MP  | 125 | Aberdeen, Wash. City of A.   |
|      | KGZX | MP  | 50  | Albuquerque, N. Mex. City of A.  |
|      | KBFA | MP  | 500 | Clovis, N. M. City of C.   |
|      | KBFI | MP  | 50  | Mt. Vernon, Wash. Skagit County  |
|      | KNFP | MP  | 50  | Everett, Wash. City of E.  |
|      | KNGU | MP  | 100 | Yakima, Wash.  |
|      | KNGY | MP  | 40  | Lodi, Calif. City of L.  |
|      | KQAW | SP  | 5   | Mobile in State of Wash., to be used when service from regular MP stations is not available. State of W. |
|      | KOAX | SP  | 30  | Mobile in Wash. State of W.  |
|      | KOAY | SP  | 50  | Mobile in Wash. State of W.  |
|      | KOAZ | SP  | 50  | Mobile in State of Wash. Same as KQAW  |
|      | KOBX | SP  | 50  | Mobile in Wash. State of W.  |
|      | KODM | MP  | 100 | Colfax, Wash. Whitman County Sheriff   |
|      | KODQ | MP  | 50  | Modesto, Calif. City of M.   |
|      | KOEC | MP  | 50  | Port Townsend, Wash. Jefferson County.   |
|      | KSOM | MP  | 250 | Marced, Calif. Merced County Sheriff's Office.   |
|      | KWAY | SP  | ... | Mobile in Wash. State of W.  |
|      | WAKN | MP  | 50  | Herkimer, N. Y. Village of H.  |
|      | WCK  | MP  | 500 | Detroit, Mich. City of D.  |
|      | WMO  | MP  | 50  | Highland Park, Mich. City of H. P.   |
|      | WMPP | MP  | 50  | Waycross, Ga. City of W.   |
|      | WPDA | MP  | 150 | Tulare, Calif. City of T.  |
|      | WPDJ | MP  | ... | Passaic, N. J.   |
|      | WPDX | MP  | 500 | Detroit, Mich. City of D.  |
|      | WPDY | MP  | 400 | Atlanta, Ga. City of A.  |
|      | WPFH | MP  | 200 | Baltimore, Md.   |
|      | WPTI | MP  | 250 | Columbus, Ga. City of C.   |
|      | WPGH | MP  | 300 | Albany, N. Y. City of A.   |
|      | WPGJ | MP  | 100 | Utica, N. Y. City of U.  |
|      | WPGM | MP  | 50  | La Grange, Ga.   |
|      | WOFB | MP  | 250 | Macon, Ga.   |
|      | WOFI | MP  | 50  | Oneonta, N. Y. City of O.  |
|      | WOFV | MP  | 250 | Augusta, Ga. City Council of A.  |
| 2422 | KACA | MP  | 50  | Archison, Kans. City of A. Municipal Police  |
|      | KACI | MP  | 100 | Eureka, Calif. Humboldt County Police  |
|      | KADS | MP  | 50  | Marysville, Calif. City of M. Police   |
|      | KAGD | MP  | 25  | Woodland, Calif. City of W.  |
|      | KANA | T   | ... | Port Williams, Alaska. Wash. Fish & Oyster Co.   |
|      | KASG | MP  | 350 | Willows, Calif. Glen County Sheriff's Office.  |
|      | KBMN | C   | 50  | Crab Bay, T. A. Chatham Strait Fish Co.  |
|      | KBMR | T   | 50  | Crab Bay, T. A. Same as KBMN   |
|      | KGPE | MP  | 500 | Kansas City, Mo. City of K. C.   |
|      | KGPG | MP  | 50  | Vallejo, Calif. City of V.   |
|      | KGZC | MP  | 50  | Topeka, Kans. City of T.   |
|      | KHCP | MP  | 100 | Eureka, Calif. Humboldt County Police  |
|      | KKAC | T   | 50  | Zachar Bay, T. A. Same as KBMN   |
|      | KNGF | MP  | 500 | Sacramento, Calif.   |
|      | KNGV | MP  | 50  | Salina, Kans. City of S.   |
|      | KNS  | CH  | ... | Port Williams, T. A. Same as KANA  |
|      | KSY  | CH  | 50  | Crab Bay, T. A. Same as KBMN   |
|      | KSZ  | CHT | 50  | Zachar Bay, T. A. Same as KBMN   |
|      | WKMS | MP  | 50  | Rockland, Maine. Knox County   |
|      | WMJ  | MP  | 500 | Buffalo, N. Y. City of B., 757 E. Perry St.  |
|      | WNFP | MP  | 135 | Niagara Falls, N. Y. City of N. F.   |
|      | WNFP | MP  | 50  | Niagara Falls, N. Y. City of N. F.   |
|      | WPDR | MP  | 200 | Rochester, N. Y. City of R.  |
|      | WPDW | MP  | 400 | Washington, D. C.  |
|      | WPFU | MP  | 100 | Portland, Maine. City of P.  |
|      | WPHB | MP  | 50  | Nashua, N. H. City of N.   |
| 2430 | WRHT | MP  | 250 | Nashville, Tenn. Davidson County Sheriff's Office  |
|      | KAKI | CT  | 50  | Combine, Alaska. Columbia River Packers Ass'n.   |
|      | KPMK | C   | 50  | Thompson (near Naknek) Alaska. Same as KAKI  |
|      | KBMS | T   | 50  | Thompson, T. A. Same as KAKI   |
|      | KBMT | T   | 50  | Combine, T. A. Same as KAKI  |
|      | WPFK | MP  | 500 | Hackensack, N. J. Bergen County Police   |
|      | WPGJ | MP  | 100 | Portsmouth, Ohio. City of P.   |
|      | WPHO | MP  | 50  | Zanesville, Ohio.  |
|      | WPRH | MP  | 50  | Rock Hill, S. C. City of R. H.   |
|      | WQFO | MP  | 50  | Lancaster, Ohio. City of L.  |
|      | WSAG | MP  | 200 | Ashland, Ky. City of A.  |
| 2437 | HRN  | B   | 500 | Tegucigalpa, Honduras. "La Voz de Honduras"  |
| 2442 | KADY | MP  | 50  | Eugene, Ore. City of E.  |
|      | KASD | MP  | 50  | San Angelo, Tex. City of S. A.   |
|      | KGHU | MP  | 100 | Austin, Tex. City of A.  |
|      | KGPP | MP  | 500 | Portland, Ore. City of P.  |
|      | KGPX | MP  | 500 | Denver, Colo. (1000 watts days) City and County of Denver  |

|           |      |      |   |
|-----------|------|------|---|
| KGZH      | MP   | 25   | Klamath Falls, Ore. City of K. F.                 |
| KGZR      | MP   | 50   | Salem, Ore. City of S.                            |
| KNHM      | MP   | 100  | Fargo, N. Dak. City of F.                         |
| KPDG      | MP   | 250  | Greeley, Colo. City of G.                         |
| KQFV      | MP   | 50   | Fort Collins, Colo. City of F. C.                 |
| WAKO      | MP   | 50   | FFt. Lauderdale, Fla. City of F. L.               |
| WAMB      | MP   | 40   | Connersville, Ind. City of C.                     |
| WAMG      | MP   | 100  | Kalamazoo, Mich. City of K.                       |
| WASF      | MP   | 50   | Elwood, Ind. Elwood Police Dept.                  |
| WBNC      | MP   | 50   | New Castle Ind. City of N. C.                     |
| WBPD      | MP   | 40   | Bloomington, Ind. City of B.                      |
| WFBI      | G    | 42   | Washington, D. C. Federal Bureau of Investigation |
| WMDZ      | MP   | 400  | Indianapolis Ind. City of Ind. Police Dept.       |
| WMPI      | MP   | 100  | Anderson Ind. City of A.                          |
| WPDE      | MP   | 200  | Louisville Ky. City of L.                         |
| WPDF      | MP   | 150  | Flint Mich. City of F.                            |
| WPDH      | MP   | 100  | Richmond Ind. City of R.                          |
| WPDL      | MP   | 50   | Lansing Mich. City of L.                          |
| WPEB      | MP   | 500  | Grand Rapids Mich. City of G. R.                  |
| WPES      | MP   | 500  | Saginaw Mich. City of S.                          |
| WPFV      | MP   | 300  | Muskegon Mich. City of M.                         |
| WPFH      | MP   | 100  | Reading Pa. City of R.                            |
| WPFJ      | MP   | 400  | Jacksonville, Fla.                                |
| WPFK      | MP   | 50   | Lakeland, Fla. City of L.                         |
| WPFM      | MP   | 400  | Palm Beach, Fla. Town of P. B.                    |
| WPFN      | MP   | 1000 | Yonkers, N. Y. City of Y.                         |
| WPGI      | MP   | 400  | Miami, Fla. (3000 watts days). City of M.         |
| WPGJ      | MP   | 100  | Binghampton, N. Y. City of B.                     |
| WPHM      | MP   | 500  | Muncie, Ind. City of M.                           |
| WQFM      | MP   | 100  | Orlando, Fla. City of O.                          |
| WRLU      | MP   | 50   | Wilkes-Barre, Pa. City of W.-B.                   |
| 2450 WWTK | C    | .... | Miami, Fla. City of M.                            |
| KACF      | MP   | 100  | Bullion Depository, Ky.                           |
| KACL      | ML   | 50   | Chickasha, Okla. C. City Police                   |
| KACP      | MP   | 50   | Affltus, Okla. City of A. Police                  |
| KACR      | MP   | 150  | Ponca City, Okla. City of P. C.                   |
| KADG      | MP   | 40   | Seminole, Okla. City of S.                        |
| KADH      | MP   | 50   | Tulsa, Okla. (Used in an airplane)                |
| KAPB      | MP   | 50   | Mangum, Okla. City of M.                          |
| KAPC      | MP   | 50   | Cushing, Okla. City of C.                         |
| KAPD      | MP   | 50   | Drumright, Okla. City of D.                       |
| KAPE      | MP   | 100  | Eldorado, Kans. City of E.                        |
| KAPF      | MP   | 50   | Norman, Okla. Cleveland County                    |
| KARD      | MP   | 100  | Okmulgee, Okla. City of O.                        |
| KAYI      | .... | .... | Ardmore Okla. City of A.                          |
| KAYK      | T    | 50   | Noyes Island, Alaska. R. R. Farish                |
| KBMJ      | .... | 50   | Chatham, T. A. R. R. Farish                       |
| KBPL      | C    | 30   | Drier Bay, T. A. Northwestern Herring Co.         |
| KBPM      | T    | 30   | North Naknek, T. A. Albert R. Davey               |
| KFL       | CH   | .... | North Naknek, T. A. Albert R. Davey               |
| KGHN      | MP   | 50   | Ketchikan, T. A. R. R. Farish                     |
| KGHP      | MP   | 50   | Hutchinson, Kans. City of H.                      |
| KGPH      | MP   | 250  | Lawton, Okla. City of L.                          |
| KGPO      | MP   | 100  | Oklahoma City, Okla.                              |
| KGpz      | MP   | 400  | Tulsa, Okla. City of T.                           |
| KGZF      | MP   | 25   | Wichita, Kans. City of W.                         |
| KGZP      | MP   | 50   | Chanute, Kans. City of C.                         |
| KIOH      | T    | .... | Coffeyville, Kans. City of C.                     |
| KIU       | CH   | 50   | Iron Creek, T. A. Northwestern Herring Co.        |
| KNGK      | MP   | 100  | Iron Creek, T. A. Same as KIOH                    |
| KNGM      | MP   | 50   | Duncan, Okla. City of D.                          |
| KNGT      | MP   | 50   | Rapid City, S. Dakota                             |
| KNHC      | MP   | 50   | Muskogee, Okla.                                   |
| KOM       | CH   | .... | Ada, Okla. City of A.                             |
| KOO       | CH   | 50   | Noyes Island, T. A. R. R. Farish                  |
| KOFL      | MP   | 50   | Chatham, T. A. R. R. Farish                       |
| KOFM      | MP   | 50   | Pawnee, Okla. City of P.                          |
| KRX       | CH   | 50   | Bartlesville, Okla. City of B.                    |
| KVPB      | MP   | 40   | Drier Bay T. A. Same as KBMJ                      |
| KWCM      | MP   | 100  | Huron, S. Dak. City of H.                         |
| WMPD      | MP   | 100  | Shawne, Okla. City of S.                          |
| WPKD      | MP   | 500  | Waukesha, Wis. City of W.                         |
| WPEE      | MP   | 400  | Mliwaukee, Wis. (1000 watts ays). City of M.      |
| WPEF      | MP   | 400  | Brooklyn, N. Y. City of New York                  |
| WPEG      | MP   | 500  | Bronx, N. Y. City of New York                     |
| WPEH      | MP   | 100  | Manhattan, N. Y. City of New York                 |
| WPEI      | MP   | 100  | Kenosha, Wis. City and County of K.               |
| WPHF      | MP   | 400  | Richmond, Va. City of R. Dept. of Pub. Safety     |
| WQFG      | MP   | 100  | Roanoke, Va.                                      |
| WQFH      | MP   | 50   | Lynchburg, Va. City of L.                         |
| WQFI      | MP   | 250  | Petersburg, Va. City of P.                        |

|      |       |    |      |  |
|------|-------|----|------|--|
|      | WROM  | MP | .... | Mobile in Bristol, Va. (1 unit-10 w). City of B.                 |
| 2458 | GACM  | MP | 50   | Big Spring, Tex. City of B. S. Police                            |
|      | KADR  | MP | 40   | Abilene, Tex. City of A. Police                                  |
|      | KAPJ  | MP | 40   | Sweetwater, Tex. City of S.                                      |
|      | KGZI  | MP | 200  | Wichita Falls, Tex. City of W. F.                                |
|      | KGZW  | MP | 150  | Lubbock, Tex. City of L. Police                                  |
|      | KNFB  | MP | 500  | Idaho Falls, Idaho   |
|      | KNGW  | MP | 200  | Brownwood, Texas. City of B.                                     |
|      | WAGR  | MP | 40   | Urbana, Ill. City of U.  |
|      | WAMN  | MP | 50   | Lorain, Ohio. City of L.   |
|      | WASB  | MP | 100  | Decatur, Ill. Macon County Sheriff's Dept.                       |
|      | WDPW  | MP | 100  | Wilmington, N. C. City of W.                                     |
|      | WMPJ  | MP | 40   | Clinton, Ill. DeWitt County                                      |
|      | WPDG  | MP | 250  | Youngstown, Ohio. City of Y. Police                              |
|      | WPDO  | MP | 250  | Akron, Ohio. City of A.  |
|      | WPDV  | MP | 250  | Charlotte, N. C. City of C.                                      |
|      | WPFS  | MP | 500  | Asheville, N. C. Buncombe County                                 |
|      | WPGD  | MP | 50   | Rockford, Ill. City of R.  |
|      | WPHD  | MP | 100  | Steuenville, Ohio  |
|      | WQFZ  | MP | 500  | Ottawa, Ill. LaSalle County Police                               |
|      | WRBH  | MP | 50   | Cleveland, Ohio. City of C.                                      |
|      | WRGO  | MP | 50   | Danville, Ill. Richard Johnson                                   |
|      | WSKZ  | MP | 50   | Centralia, Ill. City of C.                                       |
| 2466 | KAKI  | T  | 50   | Combine, Alaska. Columbia River Packers' Ass'n.                  |
|      | KAWP  | MP | 100  | Iowa City, Iowa. City of I. C.                                   |
|      | KBJU  | T  | .... | Selawik, T. A. Northern Radio Co.                                |
|      | KBMK  | C  | 50   | Thompson, T. A. Same as KAKI                                     |
|      | KBMS  | T  | 50   | Thompson, T. A. Same as KAKI                                     |
|      | KBMT  | T  | 50   | Combine, T. A. Same as KAKI                                      |
|      | KBNG  | C  | 50   | M/S "Ogontz." Alaska Southern Packing Co.                        |
|      | KBNH  | T  | 25   | M/S "Ogontz." Same as KBNG                                       |
|      | KBNM  | T  | 25   | Platinum, T. A. Alaska Traders                                   |
|      | KBPL  | C  | 30   | North Naknek, T. A. Albert R. Davey                              |
|      | KBPM  | T  | 30   | North Naknek, T. A. Albert R. Davey                              |
|      | KGBT  | C  | 50   | Selawik, T. A. Same as KBJU                                      |
|      | KGOZ  | MP | 100  | Cedar Rapids, Iowa. City of C. R.                                |
|      | KGPD  | MP | 400  | San Francisco, Calif. City and County of S. F.                   |
|      | KGPI  | MP | 400  | Omaha, Nebr. City of O.  |
|      | KGPK  | MP | 100  | Sioux City, Iowa. City of S. C.                                  |
|      | KGPM  | MP | 100  | San Jose, Calif.   |
|      | KGPN  | MP | 100  | Davenport, Iowa. City of D.                                      |
|      | KGZG  | MP | 100  | Des Moines, Iowa. City of D. M.                                  |
|      | KICA  | T  | .... | View Cove, Dall Island, T. A. Superior Portland Cement, Inc.     |
|      | KLA   | CH | .... | Waterfall, T. A. Nakat Packing Corp.                             |
|      | KPBA  | MP | 50   | Blytheville, Ark. City of B.                                     |
|      | KOAR  | MP | 50   | Burlington, Iowa. City of B.                                     |
|      | KODT  | MP | 50   | Dubuque, Iowa. City of D.  |
|      | WAKB  | MP | 50   | New London, Conn. City of N. L.                                  |
|      | WARG  | MP | 50   | Clearwater, Fla. Pinellas County                                 |
|      | WFPT  | MP | 200  | Tampa Fla. City of T.  |
|      | WMPW  | MP | 50   | Waterbury, Conn. City of W.                                      |
|      | WPEC  | MP | 500  | Memphis, Tenn. (1000 w. days). City of M.                        |
|      | WPEM  | MP | 50   | Woonsocket, R. I. City of W.                                     |
|      | WPFV  | MP | 50   | Pawtucket, R. I. City of P.                                      |
|      | WPFW  | MP | 50   | Bridgeport, Conn. City of B.                                     |
|      | WPGA  | MP | 50   | Bav City, Mich. City of B. C.                                    |
|      | WPGB  | MP | 300  | Port Huron, Mich. City of P. H.                                  |
|      | WPGK  | MP | 50   | Cranston, R. I. City of C.                                       |
|      | WPGX  | MP | 100  | Worcester, Mass. City of W.                                      |
|      | WPHA  | MP | 50   | Fitchburg, Mass. City of F.                                      |
|      | WPHN  | MP | 100  | Tampa, Fla. City of T.   |
|      | WPHP  | MP | 100  | Jackson, Mich. City of J. Police Dept.                           |
|      | WQFA  | MP | 100  | New Haven, Conn.   |
|      | WQFC  | MP | 50   | Gainesville, Fla.  |
|      | WQFK  | MP | 50   | Clearwater, Fla. City of C.                                      |
|      | WRDR  | MP | 350  | Grosse Pointe, Mich. Township of G. P.                           |
|      | YV5PC | MP | .... | Caracas, Venezuela. Servicio Radio Policial.                     |
| 2474 | KAED  | T  | 40   | Angoon, Alaska. Alaska Aeronautical & Communications Commission. |
|      | KAEH  | T  | .... | Kake, Alaska. Same as KAED                                       |
|      | KAEP  | T  | .... | Tenakee, Alaska. Same as KAED                                    |
|      | KANX  | T  | 15   | Windham, T. A. N. B. Randall                                     |
|      | KGHG  | MP | 50   | Las Vegas, Nev.  |
|      | KGHM  | MP | 50   | Reno, Nevada. City of R.   |
|      | KIUZ  | T  | .... | Hoonah, T. A. Same as KAED                                       |
|      | KNFH  | MP | 50   | Garden City, Kans. City of G. C.                                 |
|      | KNGH  | MP | 50   | Dodge City, Kans.  |
|      | WAFU  | MP | 200  | Lima, Ohio. City of L.   |
|      | WAKI  | MP | 50   | Sandusky, Ohio. City of S.                                       |
|      | WAMH  | MP | 25   | Shelby, Ohio. Shelby Police Dept.                                |
|      | WKMP  | MP | 50   | Kenton, Ohio. K. Police Dept.                                    |

|      |      |      |      |   |
|------|------|------|------|---|
|      | WMPK | MP   | 100  | Fremont, Ohio. City of F.                                       |
|      | WPDP | MP   | 15   | Philadelphia, Pa. City of P.                                    |
|      | WFO  | MP   | 40   | Knoxville, Tenn. City of K.                                     |
|      | WFOQ | MP   | 50   | Swarthmore, Pa. Borough of S.                                   |
|      | WPFS | MP   | 500  | Asheville, N. C. Buncombe County.                               |
|      | WPGZ | MP   | 100  | Johnson City, Tenn. City of J. C.                               |
|      | WPHY | MP   | 100  | Elizabethton, Tenn. Carter County                               |
|      | WQFY | MP   | 50   | Mansfield, Ohio. City of M.                                     |
|      | WTOQ | MP   | 100  | Bucyrus, Ohio. City of B.                                       |
|      | WRDQ | MP   | 400  | Toledo, Ohio. City of T.  |
| 2482 | KBNG | C    | 50   | M/S "Ogontz" moored in Alaska. Alaska Southern Packing Co.      |
|      | KBNH | T    | 50   | M/S "Ogontz." Same as KBNG                                      |
|      | KDX  | CH   | .... | M/S "La Merced," moored near Malse Pass, T. A. Same as KBNG     |
|      | KGO  | CH   | .... | Todd, T. A. Peril Straits Packing Co.                           |
|      | KGZE | MP   | 50   | San Antonio, Tex. City of S. A. and State of Texas              |
|      | KIJP | T    | .... | Uganik Bay, T. A. San Juan Fishing & Packing Co., Seattle Wash. |
|      | KIJU | T    | .... | Todd, T. A. Same as KGO   |
|      | KIMF | .... | .... | Todd, T. A. Same as KGO   |
|      | KIOA | C    | .... | M/S "La Merced." Same as KDX                                    |
|      | KIOF | T    | .... | M/S "La Merced." Same as KDX                                    |
|      | KLY  | CH   | .... | Uganik Bay, T. A. Same as KOJP                                  |
|      | KQAJ | MP   | 50   | Joplin, Mo. City of J.  |
|      | KSF  | CH   | 50   | M/S "Ogontz." Same as KBNG                                      |
|      | WPGT | MP   | 50   | New Castle, Pa. City of N. C.                                   |
|      | WPHZ | MP   | 50   | Oil City, Pa. City of O. C.                                     |
|      | WQFF | MP   | 50   | Monessen, Pa. City of M.  |
|      | WOFU | MP   | 50   | Sharon, Pa. City of S.  |
| 2490 | KACQ | SP   | 10   | Kalaloch, Wash. State of W. Highway & Patrol Dept.              |
|      | KADF | MP   | 250  | Yuma, Ariz. Yuma County   |
|      | KADI | MP   | 50   | Oceanside, Calif. City of O. Police                             |
|      | KADQ | MP   | 50   | Brea, Calif. City of B.   |
|      | KASH | SP   | 50   | Portable-Mobile in Wash. Same as KACQ                           |
|      | KAXV | SP   | 50   | Portable in Wash. Same as KACQ                                  |
|      | KBIE | SP   | 50   | NC-14620. State of Wash., Dept. of Fisheries                    |
|      | KBMP | MP   | 50   | Brawley, Calif. City of B.                                      |
|      | KGAZ | SP   | .... | Mobile in Wash. Same as KACQ                                    |
|      | KGHD | SP   | 50   | Seattle, Wash. Same as KACQ                                     |
|      | KGHE | SP   | 50   | Snoqualmie Pass, Wash. Same as KACQ                             |
|      | KGHO | SP   | 10   | Chinook Pass, Wash. Same as KACQ                                |
|      | KGHX | MP   | 500  | Santa Ana, Calif. Orange County Police                          |
|      | KGKE | SP   | 30   | Portable in Wash. Same as KACQ                                  |
|      | KGZD | MP   | 400  | San Diego, Calif. City of S. D.                                 |
|      | KGZU | MP   | 20   | Lincoln, Nebr.  |
|      | KNFC | MP   | 50   | Port Angeles, Wash.   |

THIS LIST WILL BE CONTINUED IN OUR NEXT ISSUE.

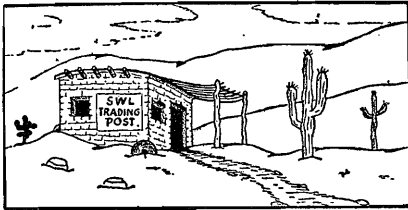
**Explanation of the Third Column Symbols:**

- 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.
- MT—Coastal harbor telephone.
- E
- E1
- E2
- E3
- GE—General Experimental.
- SE—Special Experimental.

} 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).



David Tobias, 310 Mt. Zoar St., Elmira, N. Y. (SWL Cards).

Bill Krause, 106 15th St., Sharpsburg, Pa. (SWL Cards).

G. R. Jewell, Jr., Box 386, San Diego, Calif. (SWL Cards).

H. A. Webster, Humphrey Road, Scottsville, N. Y. (SWL Cards; post card views; correspond with anyone).

Harry H. Jewell, Box 60, Bristol, Ill. (Correspond with DXers who listen to CW on HALLICRAFTERS SKYRIDER MARINE S-22).

G. H. Tuncil, 510 Oildale Drive, Bakersfield, Calif. (SWL Cards).

Warren H. Stark, 2117 No. 62nd St., Wauwatosa, Wis. (Correspond).

Meredith M. Stroh, 172 Queen St., N., Kitchener, Ont. (SWL Cards).

Cincinnati Enquirer Radio Club (George H. Jacobs), 617 Vine St., Cincinnati, Ohio. (Exchange SWL Cards).

Vernon Lee Gibbs, Route 5, Lexington, Ky. (Has back issues of RADEX, view cards to swap).

Floyd C. Flater, 316 Campbell Ave., White Bear Lake, Minn. (SWL Cards).

Bill Wygant, 824 Fifth St., White Bear Lake, Minn. (SWL Cards).

Willis Richardson, 80 W. South St., Willsville, Ohio. (SWL Cards).

Dick Winne, 10 Elmhurst Ave., Route 102, Albany, N. Y. (Trade SWL Cards, photos, correspondence)

Eleanor Grounds, 1277 Central Ave., Albany, N. Y. (Exchange SWL Cards, correspondence, pennants).

Nicola Cannata, 1003 So. Halsted St., Chicago, Ill. (SWL Cards).

Leroy Swanson, 217 N. 15th St., Chariton, Iowa (Correspond).

Joseph J. Becker, Sr., 415 S. 11th St., Hamilton, Ohio. (SWL Cards).

Conrad J. Klauk, 723 N. Division St., Buffalo, N. Y. (SWL Cards).

Marvyn Branks, Editor of the New Zealand DX Club Bulletin, requires unused three cent U.S.A. stamps for his club and will send ten N. Z. used stamps, all different, including four of the new Centennials, for five unused 3c stamps. A complete mint set of 12 Centennials for thirty 3c stamps.

## Applications to the FCC

CP—Construction permit.  
 mod.—modification.  
 lic.—license.  
 ltd.—limited time.  
 unltd.—unlimited time.  
 S. H.—specified hours.

### FOR NEW STATIONS

Artemisa, Cuba, Juan de Dios Carreno, 200 w. Austin, Tex. West, West, Monroe & Stevenson 1120 kcs, 1 kw S. H.  
 Brainerd, Minn., Brainerd-Bemidji Brdctsg. Co. 1230 kcs, 500 (1) unltd.  
 Brownwood, Tex. Brown County Brdctsg. Co. 1350 kcs, 500 unltd.  
 Burlington, N. C. Burlington Brdctsg. Co. 1310 kcs, 100 unltd.  
 Burlington, N. C. Central Carolina Brdctsg. Corp. 1420 kcs, 100 w.  
 Clarkesville, Tenn. Paducah Brdctsg. Co. Inc., 1370 kcs, 250 unltd.  
 Corpus Christi, Tex. Nueces Brdctsg. Co. 1500 kcs, 250 unltd.  
 Ellensburg, Wash. J. C. Kaynor. 1310 kcs, 250 unltd.  
 Florida, Cuba, Antonio Abreu E. 250 w.  
 Greensboro, N. C. Ralph L. Lewis. 1370 kcs, 100 unltd.  
 Hamilton, Ohio. Butler Brdctsg. Corp. 1420 kcs, 250 unltd.  
 Harlan, Ky. Blanfox Radio Co. 1420 kcs, 250 unltd.  
 Houston, Tex. West Publishers, Inc. 610 kcs, 1000 w.  
 Klamath Falls, Ore. Herald Publishing Co. 1370 kcs, 250 unltd.  
 Klamath Falls, Ore. Dorman Schaeffer. 1370 kcs, 250 unltd.  
 Matanzas, Cuba. Enrique N. Forest. 200 w.  
 Miami, Fla. South Fla. Brdctsg. Inc. 1500 kcs, 250 unltd.  
 Moron, Cuba. Octaviano E. Rubio. 200 w.  
 Orlando, Fla. Radio Corp. of Orlando. 1370 kcs, 250 unltd.  
 Palatka, Fla. T. B. Gillespie. 1310 kcs, 250 unltd.

San Juan, P. R. Caribbean Brdcstg. Ass'n.,  
Inc. 1500 kcs., 250 unlt'd.  
Santiago de Cuba. 1000 w.  
Seattle, Wash. Edward E. Reeder. 1420 or  
1450 kcs., 250 unlt'd.  
Toccoa, Ga. R. G. LeTourneau. 1420 kcs.  
250 unlt'd.  
Tucumcari, N. Mex. Krasin F. Krutzner  
Brdcstg. Co. 1210 kcs. 250 unlt'd.  
Tulsa, Okla. Fred Jones Brdcstg. Co. 690 kcs.  
50 kilowatts.  
Valdosta, Ga. James Freeman Holmes. 1500  
kcs. 250 unlt'd.  
Victoria Tunas, Cuba. Angel Rodriguez  
Licea. 200 w.  
Wilkes-Barre, Pa. John Memola. 1210 kcs.  
250 unlt'd. (Facilities of WBAX).  
Worcester, Mass. Worcester Brdcstg. Inc.  
1200 kcs. 250 unlt'd.  
Also two booster stations, each 1200 kcs.  
100 watts; one at Main and Florence  
Sts., Marlborough, Mass., and the other  
at Main and Douglas Sts., Whitinsville,  
Mass.

**Stations Using Special Frequencies**

| Call | City        | Assigned | Using |
|------|-------------|----------|-------|
| KTHS | Hot Springs | 1040     | 1060  |
| WGAN | Portland    | 640      | 560   |
| WTIC | Hartford    | 1060     | 1040  |

760 CMHN Santa Clara, Cuba, from 570  
760 CMKJ Guantanamo, Cuba, from 740  
780 CMCB Havana, Cuba, from 690  
860 CMKS Guantanamo Cuba from 710  
880 KRRV Sherman Texas, from 1310  
900 CMJX Camaguey, Cuba, from 660  
950-950 CMKW Vancouver, B. C., from 1010  
950 CMHW Santa Clara, Cuba, from 680  
1010 CMBZ Havana, Cuba, from 940  
1050 CMCX Guanabacoa, Cuba, from 1470  
1050 CMKW Santiago de Cuba, from 1030  
1080 CMCB Havana, Cuba, from 1290  
1110 CMCU Havana, Cuba, from 1010  
1140 CMKY Santiago de Cuba, from 960  
1150 CMCB Havana, Cuba, from 910  
1170 CMBG Havana, Cuba, from 1140  
1180 CMBX Havana, Cuba, from 1080  
1190 CMGH Matanzas, Cuba, from 710  
1210 CMCO Havana, Cuba, from 1200  
1210 CMOA Havana, Cuba, from 660  
1250 CMBS Havana, Cuba, from 1170  
1250 CMCB Havana, Cuba, from 1230  
1290 CMBD Havana, Cuba, from 1260  
1290 CMBF Havana, Cuba, from 1560  
1330 XEBO Irapuato, Gto., from 1310  
1340 KFRO Longview, Texas, from 1370  
1350 CMC Havana, Cuba, from 1530  
1410 CMBY Havana, Cuba, from 1440  
1510 CMCW Havana, Cuba, from 1380  
1510 CMOX Havana, Cuba, from 1300  
1550 CMCT Havana, Cuba, from 1110  
1550 CMCB Havana, Cuba, from 1320

**The Month Changes  
in Station Data**

620 WLAJ Salina, N. Y.  
680 .... Santiago de Cuba  
710 .... Santa Clara, Cuba  
730 CMKU Victoria Tunas, Cuba  
870 CMJM Ciego de Avila, Cuba  
900 WPAT Paterson, N. J.  
940 .... Tampa, Fla.  
1030 CMAC Pinar del Rio, Cuba  
1110 CMKH Guantanamo, Cuba  
1210 WBIR Knoxville, Tenn.  
1210 WATN Watertown, N. Y.  
1210 WGAC Augusta, Ga.  
1210 WGMA Schenectady, N. Y.  
1270 WNNY Watertown, N. Y.  
1290 CJHC Halifax, N. S.  
1320 CMHQ Santa Clara, Cuba  
1330 CMJL Nuevitas, Cuba  
1350 CMKB Puerto Padre, Cuba  
1370 WDEF Chattanooga, Tenn.  
1370 WTCM Traverse City, Mich.  
1390 WFCI Pawtucket, R. I.  
1420 CHNB North Battleford, Sask.  
1420 WGOV Valdosta, Ga.  
1420 KFBC Cheyenne, Wyo.  
1420 WMVA Martinsville, Va.  
1420 WNAB Bridgeport, Conn.  
1420 .... Augusta, Ga.  
1450 XEY San Luis Rio Colonia, Son.  
1500 WMRN Marion, Ohio  
1500 WSL S Roanoke, Va.  
1500 WBOC Salisbury, Md.

**Frequency**

560 CJKL Kirkland Lake, Ont., from 1310  
560 WGAN Portland, Maine, from 640  
570 GMAN Pinar del Rio, Cuba, from 990  
570 CMKV Holguin, Cuba, from 1150  
610 CMTN Camaguey, Cuba, from 710  
640 CMKN Santiago de Cuba, from 1030  
690 CMQ Havana, Cuba, from 780  
720 CMBL Havana, Cuba, from 750  
750 CMK Havana, Cuba, from 720  
750 XEON Tiwana, B. Cia., from 920  
760 CMGN Joveanos, Cuba, from 670

**Power**

560 CJKL Kirkland Lake, Ont., 1000 from 100  
580 CKCL Toronto, Ont., 1000 from 100  
590 CMCY Havana, Cuba, 20,000 from 15,000  
600 CJOR Vancouver, B. C., 1000 from 500  
740 WHEB Portsmouth, N. H., 1000 from 250  
880 KRRV Sherman, Texas, 1000 from 250  
900 WKY Oklahoma City, Okla., 5000 from 1000 (5)  
930 CMJF Camaguey, Cuba, 500 from 200  
940 KOIN Portland, Ore., 5000 from 1000 (5)  
940 WICA Ashtabula, Ohio, 1000 from 250  
1010 CMBZ Havana, Cuba, 5000 from 200  
1010 KQW San Jose, Calif., 5000 from 1000 (5)  
1110 CMCU Havana, Cuba, 5000 from 200  
1120 CHSJ St. John, N. B., 1000 from 100  
1120 CKOC Hamilton, Ont., 1000 from 500 (1)  
1180 CMBG Havana, Cuba, 1500 from 200  
1190 CMGH Matanzas, Cuba, 500 from 200  
1200 KPHO Phoenix, Ariz., 250 from 100 (25)  
1200 WMOB Mobile, Ala., 250 from 100  
1200 WTHT Hartford, Conn., 250 from 100  
1210 WFAS White Plains, N. Y., 250 from 100  
1210 WGCM Gulfport, Miss., 250 from 100 (25)  
1210 WHIZ Zanesville, Ohio, 250 from 100  
1210 WKOK Sunbury, Pa., 250 from 100  
1290 CMBD Havana, Cuba, 5000 from 200  
1310 KFYO Lubbock, Tex., 250 from 100 (25)  
1310 KUIN Grants Pass, Ore., 250 from 100  
1310 WRAW Reading, Pa., 250 from 100  
1310 WSGN Birmingham, Ala., 250 from 100 (25)  
1330 WDRC Hartford, Conn., 5000 from 1000  
1330 XEBO Irapuato, Gto., 1000 from 500  
1340 KFRO Longview, Tex., 1000 from 250 D.



- 1420 KEUB Price, Utah, 250 from 100 (.25)
- 1420 WLPM Suffolk, Va., 250 from 100 (.25)
- 1440 CKGB Timmins, Ont., 1000 from 100
- 1460 KSTP St. Paul, Minn., 50,000 from 10,000 (25)
- 1500 KOTN Pine Bluff, Ark., 250 from 100

**Location**

- 850 WHCU Ithaca, N. Y., from WESG, Elmira
- 1020 CMHO Cienfuegoa, Cuba, from Sagua la Grande

**Call Letters**

- 850 WHCU Ithaca, N. Y., from WESG, Elmira
- 1200 WJOB Hammond, Ind., fom WVAE
- 1230 WALB Albany, Ga., fom WHPC

**Network**

- 570 CMAN Pinar del Rio, Cuba, new Cadena Azul
- 570 CMKV Holguin, Cuba, new Cadena Azul
- 590 CMCY Havana, Cuba, new Cadena Azul
- 610 CMJN Camaguey, Cuba, new Cadena Azul
- 640 CMKN Santiago de Cuba, new Cadena Azul
- 830 CMHI Santa Clara, Cuba, new Cadena Azul
- 1420 WCBS Springfield, Ill., new NBC

**Delete**

- 1010 CKIC Wolfville, N. S.

**Owner**

- 1200 WMPC Liberty St. Gospel Church of Lapeer, Lapeer, Mich.
- 1310 KSUB Leland M. Perrv, El Escalante Hotel, Cedar City, Utah
- 1500 KXO F. M. Bowles, Box 140, El Centro, Calif.

**Permit to Change Power**

- 550 WSWA Harrisonburg, Va., to 1000
- 560 WGAN Portland, Me., to 5000
- 580 WCHS Charlestown, W. Va., to 5000
- 580 WDBO Orlando, Pa., to 5000
- 580 WIBW Topeka, Kans., to 5000
- 600 KFSD San Diego, Calif., to 5000
- 610 WIOD Miami, Fla., to 5000
- 610 WIP Philadelphia, Pa., to 5000
- 620 KTAR Phoenix, Ariz., to 5000
- 620 KWFT Wichita Falls, Tex., to 1000 (5)
- 620 WFLA Tampa, Fla., to 5000
- 620 WSUN St. Petersburg, Fla., to 5000
- 630 WTMJ Milwaukee, Wis., to 5000
- 630 KFRU Columbia, Mo., to 250
- 630 WMAL Washington, D. C., to 5000
- 680 WLAW Lawrence, Mass. to 5000
- 680 WPTF Raleigh, N. C., to 50,000
- 710 KIRO Seattle, Wash., to 10,000
- 710 KMPC Beverly Hills, Calif., to 5000
- 770 KFAB Lincoln, Nebr., to 50,000
- 780 WPIC Sharon, Pa., to 1000
- 850 WKAR E. Lansing Mich., to 5000
- 880 WRNL Richmond, Va., to 1000
- 890 KARK Little Rock, Ark., to 5000
- 1340 WSPD Toledo, Ohio, 5000 from 10000 (5)
- 900 KGBU Ketchikan, T.A., to 1000
- 900 KHJ Los Angeles, Calif. to 5000
- 900 WBN Buffalo, N. Y., to 5000
- 940 WAAT Jersey City, N. J., to 1000
- 940 WAVE Louisville, Ky., to 5000
- 940 WCHS Portland, Me., to 5000
- 940 WDAY Fargo, N. Dak., to 5000
- 956 WRC Washington, D. C., to 5000
- 970 WIBG Glenside, Pa., to 1000

- 1050 KFBI Wichita, Kans. to 1000 (5)
- 1100 WOV New York City, to 10,000
- 1120 KRVC Seattle, Wash., to 1000
- 1180 KOB Albuquerque, N. Mex., to 50,000
- 1180 WDGY Minneapolis, Minn., to 5000 (10)
- 1200 WIHL Johnson City, Tenn., to 1000
- 1210 CKBI Prince Albert, Sask., to 1000
- 1210 KFXM San Bernardino, Calif., to 250
- 1210 WLOK Lima Ohio to 250
- 1220 WCAE Pittsburgh Pa. to 5000
- 1230 KGBX Springfield Mo., to 5000
- 1230 WFBM Indianapolis, Ind., to 5000
- 1230 WNAC Boston, Mass., to 5000
- 1240 WKAO San Juan, P. R., to 5000
- 1250 KXOK St. Louis, Mo., to 5000
- 1290 WNEL San Juan, P. R., to 5000
- 1300 KFH Wichita, Kans. to 5000
- 1300 WFBC Greeville, S. C., to 5000
- 1310 KTSM El Paso, Tex., to 500
- 1310 WFBG Altoona, Pa. to 250
- 1310 WFDF Flint, Mich., to 1000
- 1310 WNBH New Bedford, Mass., to 250
- 1310 WROL Knoxville Tenn., to 500 (1)
- 1320 KGBM Honolulu, T. H., to 5000
- 1320 WADC Tallmadge, Ohio, to 5000
- 1330 KSCI Sioux City, Iowa to 5000
- 1330 WSAI Cincinnati, Ohio, to 5000
- 1330 WTAO Green Bay, Wis., to 5000
- 1350 KWK St. Louis Mo. to 5000
- 1360 WFBL Syracuse N. Y. to 5000
- 1370 KERN Bakersfield, Calif., to 1000
- 1370 KIUP Dtrango, Colo., to 250
- 1370 WPAU Potsmouth, Ohio to 250
- 1380 KOH Reno, Nev., to 1000
- 1380 WALA Mobile, Ala., to 1000
- 1390 KABR Abedeen S. Dak., to 5000
- 1390 KLR Little Rock, Ark., to 5000
- 1390 WHK Cleveland, Ohio, to 5000
- 1420 KWBG Hutchinson, Kans., to 250
- 1420 WAPO Chattanooga, Tenn., to 500 (1)
- 1420 WELL Battle Creek, Mich., to 250
- 1420 WGPC Albany, Ga., to 250
- 1420 WMBS Uniontown, Pa., to 1000
- 1420 WPRP Ponce, P. R., to 1000 (5)
- 1450 WHOM Jersey City, N. J., to 500 (1)
- 1500 KVOE Santa Ana, Calif., to 250
- 1500 WKAT Miami Beach, Fla., to 1000
- 1500 WMEX Boston Mass. to 5000
- 1500 WNLX New London, Conn., to 250
- 1500 WRTD Richmond, Va., to 1000
- 1550 WQXR New York City, to 5000

**Permit to Change Location**

- 1260 WNBX Springfield, Vt., to Keene, N. H.

**Permit to Change Frequency**

- 560 WGAN Portland, Me. (Assigned 640; is using 560 under Special Authorization; has CP for 560 permanently).
- 630 KFRU Columbia, Mo., to 1370
- 630 WGBF Evansville, Ind., to 1250
- 770 KFAB Lincoln, Nebr., to 1080
- 1180 WDGY Minneapolis, Minn., to 1100
- 1200 WIHL Johnson City, Tenn., to 880
- 1240 WKAO San Juan, P. R., to 620
- 1250 KXOK St. Louis, Mo., to 630
- 1310 KTSM El Paso, Tex., to 1350
- 1310 WFDF Flint, Mich., to 880
- 1310 WROL Knoxville, Tenn., to 620
- 1320 KGBM Honolulu, T. H., to 590
- 1370 KERN Bakersfield, Calif., to 1380
- 1380 KOH Reno, Nev., to 630
- 1420 WAPO Chattanooga, Tenn., to 1120
- 1420 WMBS Uniontown, Pa., to 590
- 1420 WPRP Ponce, P. R., to 1480
- 1450 KTBS Shreveport, La., to 620
- 1500 WKAT Miami Beach, Fla., to 1330
- 1500 WRTD Richmond, Va., to 590

# NORTH AMERICAN BROADCASTING STATIONS BY FREQUENCIES WITH VERIFICATION SIGNERS

## 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.

- O—Cadena Azul
- 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.

### Fourth Column Symbols

- 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; veri stamp for 10c.
- z—No information available.

## 540 kcs. (552.2 m.)

CBK F 50000

## 550 kcs. (545.1 m.)

CFNB F 1000  
CMW ... 2500  
KFYR N 1000(5)  
KOAC ... 1000  
KOY C 1000  
KSD R 1000(5)  
K TSA C 1000(5)  
WDEV D 1000  
WGR CM 1000(5)  
WKRC 1000(5)  
WSVA DX 500

a Watrous, Sask. ....

a Fredericton, N. B. ....  
a Havana, Cuba  
a Bismarck, N. Dak.  
a Corvallis, Ore.  
g Phoenix, Ariz.  
a St. Louis, Mo.  
a San Antonio, Texas  
a Waterbury, Vt.  
a Buffalo, N. Y.  
a Cincinnati, Ohio  
a Harrisonburg, Va.

W. R. Griffin, DX Ann'cr.  
Luke L. Roberts, Mgr.  
Geo. Burbach, Mgr.  
G. W. Johnson, Mgr.  
Melvin Stickle, Ch. Eng.  
I. R. Lounsbury, Gen. Mgr.  
Vera Tyson  
Wendell Siler, Prog. Dir.

## 560 kcs. (535.4 m.)

CJKL F 1000  
KFDM N 1000  
KLZ C 5000  
KSFO C 1000(5)  
KWTO D 5000  
WFIL BM 1000  
WGAN CHXZ 500  
WIND C 1000(5)  
WIS N 1000(5)  
WQAM C 1000

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

Bernice Anderson, Sec'y.  
G. W. Meyer, Mgr.  
Philip G. Lasky, Mgr.  
Ralph D. Foster, Mgr.  
Roger W. Clipp, Gen. Mgr.  
Kenneth Shirk, Ch. Eng.  
Floyd Rodgers, Prog. Dir.  
Norman MacKay, Prog. Dir.

## 570 kcs. (526 m.)

CMAN O  
CMKV O 2500  
KGKO N 1000(5)  
KMTR ... 1000  
KVI C 5000  
T15CV 575 100  
WKBN C1 500(1)  
WMAM D 250  
WMCA ... 1000  
WNAX C 1000(5)  
WOSU G1 1000  
WSYR B 1000  
WWNC C 1000

a Pinar del Rio, Cuba  
a Holguin, Cuba  
a Fort Worth, Tex.  
a Los Angeles, Calif.  
a Tacoma, Wash.  
z Alaieula, 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 Asheville, N. C.

Harold V. Hough, Mgr.  
Kenneth Tinkham, Mgr.  
J. W. Wallace, Ch. Eng.  
Carlos Lindache A.  
C. L. Vindberg  
F. Hapton  
Clifton Todd, Ch. Eng.  
A. Hammerschmidt, Ch. Eng.  
Armand G. Belle Isle Chi. Eng.  
G. B. Hoskins Ch. Eng.

## 580 kcs. (516.9 m.)

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

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

Felix E. Batt  
....  
....  
....

CKUA F 500  
 KMJ EN 5000  
 KSAC 2 500(11)  
 WCHS 500(5)  
 WDBO 100(5)  
 WIBW 1000(5)  
 WILL D 5000  
 WTAG R 1000(5)  
 XEMU ... 250

**590 kcs. (508.2 m.)**

CMCY O 20000  
 KHQ ER 5000  
 WEEL C 5000  
 WKZO B 1000  
 WOW R 5000

**600 kcs. (499.7 m.)**

CFCF BF 500  
 CFQC F 1000  
 CJOR ... 1000  
 FON 609 250  
 KFSD BX 1000  
 TIGPH 605 1000  
 WCAO C 500(11)  
 WICC BM 500(11)  
 WMT BM 1000(5)  
 WREC C 1000(5)

**610 kcs. (491.5 m.)**

CHNC F 1000  
 CMJN O 1000  
 KFAR ... 1000  
 KPRC M 5000  
 WCLE DM 500  
 WDAF R 5000  
 WIOD NX 1000  
 WIP X 1000

**620 kcs. (483.6 m.)**

KGW R 1000(5)  
 KTAR NX 1000  
 KWFT 250(1)  
 TIPG 625 5000  
 WFLA 1000(5)  
 WHJB D 250  
 WLAF P 1000  
 WLBZ MN 500(11)  
 WSUN N 1000(5)  
 WTMJ 1000(5)

**630 kcs. (475.9 m.)**

CFCO F 100  
 CFYC F 1000  
 CJRC F 1000  
 CKOV F 1000  
 CMCD 15000  
 KFRT 1NXZ 500(11)  
 KGFX D 200  
 KVOD B 1000  
 WGBF 1NXZ 500(11)  
 WMAL BX 250(15)  
 WPRO C 5000  
 XEZ ... 2000

**640 kcs. (468.5 m.)**

CMKN O 1000  
 HOK ...  
 KFI R 50000  
 VONF ... 12500  
 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.

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

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.

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

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

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.

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

....  
 I. E. Dickinson, Ch. Eng.  
 L. L. Longsdorf Prog Dir.  
 Odes Robinson, Ch. Eng.  
 G. Burnett  
 Ben Luddy, Gen. Mgr.  
 A. James Ebel, Ch. Eng.  
 Lillian Murphy, Prog Dir.  
 ....

A. Valdes, Gen. Mgr.  
 Harvey Wixson, Mgr.  
 Margaret Grady  
 John Fetzter, Gen. Mgr.  
 Wm. Kotera, Ch. Eng.

Kenneth Paul, Ch. Eng.  
 A. A. Murphy, Gen. Mgr.  
 D. E. Laws, Mgr.  
 G. Salomon  
 Leah McMahan, Prog. Dir.  
 Gonzalo Pinto H.  
 Mary Lewis  
 Gary Ray  
 C. F. Quentin, Ch. Eng.  
 S. D. Wooten Jr., Ch. Eng.

Dr. Charles Houde, owner  
 A. E. Lathrop, owner  
 Ward Ingram, Mgr.  
 E. L. Gove, Tech. Sup.  
 A. Curl  
 Ruth Richardson  
 James Allen Prog. Dir.

H. C. Singleton, Ch. Eng.  
 Richard Lewis, Mgr.  
 D. A. Kahn, Mgr.  
 Claudia Hartinos  
 W. Walter Tison, Mgr.  
 Walter McCoy, Ch. Eng.

Lucille Weeks  
 Louis Link, Ch. Eng.  
 Don Abert, Mgr.

John Beardall  
 John Q. Adams, Ch. Eng.  
 G. A. Titus, Mgr.  
 James Browne, Ch. Eng.  
 J. Benitez, Mgr.  
 Robert Haigh, Ch. Eng.  
 Robt. Dye, Ch. Eng.  
 T. C. Ekrem, Mgr.  
 Pat Roper, Prog Dir.  
 A. E. Johnson, Ch. Eng.  
 Margaret O'Rourke  
 Jorge Palomeque

....  
 Dorothy Roe  
 ....  
 J. E. Anderson, Ch. Eng  
 W. E. Stewart, Ch. Eng.  
 Benito Garzo O.  
 ....

**650 kcs. (461.3 m.)**

TIGPH P  
WSM N 50000

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

Gonzalo Pinto H.  
Harry Stone, Gen. Mgr.

**660 kcs. (454.3 m.)**

KOWH BD 500  
WEAF R 50000  
XEAO ... 250

a Omaha, Nebr.  
a New York, N. Y.  
a Mexicali, B. Cfa.

W. F. Myers, Mgr.  
Audience Mail Dept.  
....

**670 kcs. (447.5 m.)**

WMAQ R 50000  
XELO ... 50000

b Chicago, Ill.  
a Tijuana, B. Cfa.

Audience Mail Dept.  
....

**680 kcs. (440.9 m.)**

KFEO ... 500 (2.5)  
KPQ R 50000  
VAS 685 2000  
WLAW DX 1000  
WPTF NX 5000  
.... EP 5000

a St. Joseph, Mo.  
a San Francisco, Calif.  
f Glace Bay, N. S.  
a Lawrence, Mass.  
a Raleigh, N. C.  
z Santiago de Cuba

J. Wesley Koch, Ch. Eng.  
Audience Mail Supervisor  
....  
Geo. R. Leckley, Ch. Eng.  
Graham Poyner, Prog. Dir.

**690 kcs. (434.5 m.)**

CFRB C 10000  
CJCJ F 100  
CMQ N 25000  
TIGH ... 1000  
XET ... 5000

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

H. Sedgwick, Man. Dir.  
R. H. Henderson, Ch. Eng.  
  
Gonzalo Garcia  
....

**700 kcs. (428.3 m.)**

VOWR ... 500  
WLW KN 50000  
WBXO Exp 500000

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

....  
Wilfred Guenther, Mgr.  
Wilfred Guenther, Mgr.

**710 kcs. (422.3 m.)**

CMGH ... 200  
KIRO CX 1000  
KMPC CX 1000 (5)  
WOR KM 50000  
.... EP 5000

a Matanzas, Cuba  
a Seattle, Wash.  
a Beverly Hills, Calif.  
a Newark, N. J.  
z Santa Clara, Cuba

....  
H. J. Quilliam, Mgr.  
L. A. Schambin, Mgr.  
J. R. Poppele, Ch. Eng.

**720 kcs. (416.4 m.)**

CMBL ... 5000  
TI4NRH 725 750  
WGN KM 50000  
XEWE ... 20

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

Amando Cespedes Marin  
Quinn A. Ryan, Gen. Mgr.  
....

**730 kcs. (410.7 m.)**

CFPL F 100  
CJCA F 1000  
CKAC C 5000  
CMKU E 1000  
XEQ ... 50000

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

L. J. Yorke, Ch. Eng.  
W. T. Cranston, Mgr.  
Leonard Spencer, Ch. Eng.  
  
J. M. Marroqui !!

**740 kcs. (405.2 m.)**

KMMJ L 1000  
KTRB D 250  
WHB D 1000  
WSB R 50000  
XEH ... 250  
XEPN AQ 50000

a Grand Island, Nebr.  
a Modesto, Calif.  
a Portsmouth, N. H.  
a Atlanta, Ga.  
a Monterrey, N. L.  
z Piedras Negras, Coah.

Randall Ryan, Mgr.  
Don. R. Stevens  
T. R. McTammany, Mgr.  
C. F. Dougherty, Ch. Eng.  
Consantine de Ternava  
..

**750 kcs. (399.8 m.)**

CMK ... 200  
KGU LN 2500  
TING ... 375

a Havana, Cuba  
a Honolulu, Hawaii  
z San Jose, Costa Rica

Marion A. Mulrony, Mgr.  
Narcisco Garcia

## RADEX

WJR C 50000  
 XEAA ... 200  
 XEAM ... 25  
 XEON ... 2000

a Detroit, Mich.  
 a Mexicali, B. Cfa.  
 z Matamoros, Tam.  
 a Tijuana, B. Cfa.

Geraldine Elliott, Prog. Dir.  
 Alberto Gonzalez  
 Manuel L. Salinas

## 760 kcs. (394.5 m.)

CMGN O 1000  
 CMHN E 1000  
 CMKJ E 1000  
 KXA L 1000  
 WBAL BHMS 2500  
 WCAL D2 5000  
 WEW D 1000  
 WJZ BS 50000  
 WLB D2 5000

a Jovellanos, Cuba  
 a Santa Clara, Cuba  
 a Guantanamo, Cuba  
 a Seattle, Wash.  
 a Baltimore, Md.  
 a Northfield, Minn.  
 a St. Louis, Mo.  
 a New York, N. Y.  
 a Minneapolis, Minn.

Florence Wallace, Mgr.  
 Gerald Cooke, Ch. Eng.  
 Milford Jensen, Ch. Eng.  
 Geo. Rueppel, Ch. Eng.  
 Audience Mail Dept.  
 Waldemar Klima, Ch. Eng.

## 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.

Mark W. Bullock, Tech. Dir.  
 Lola Monje Peralta  
 A. Boyes

## 780 kcs. (384.4 m.)

CHWK F 100  
 CKSO F 1000  
 CMBC ... 5000  
 KECA ... 1000(5)  
 KFDY D 1000  
 KFQD ... 250  
 KGHL N 1000(5)  
 WEAN BM 1000(5)  
 WMC JR 5000  
 WPIC DX 250  
 WPRA ... 1000(2.5)  
 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 Providence, R. I.  
 a Memphis, Tenn.  
 a Sharon, Pa.  
 a Mayague, P. R.  
 g Norfolk, Va.  
 a Mexico City, D. F.

Jack Pilling, Ch. Eng.  
 W. E. Mason

Jack Gross, Mgr.  
 S. W. Jones, Mgr.  
 R. E. McDonald, Mgr.  
 Ed Yocum, Mgr.  
 Rose M. Powers  
 J. C. Eggleston, Mgr.  
 John MacDonald, Eng.

Lee Chadwick, DX  
 Correspondent  
 Guillermine de del Conde

## 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

Lloyd E. Yoder, Mgr.  
 T. L. Jones, Eng.  
 W. J. Purcell, Ch. Eng.  
 K. P. Brown, Sec'y.

## 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. Saladin  
 Andrea Venegas  
 Ellen Flake, Sec'y.  
 Adams Calhoun  
 Geo. R. Lenhart, Ch. Eng.

## 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.

Oscar Gutierrez  
 Hugh McCartney, Ch. Eng.  
 Issac Brimberg, Ch. Eng.  
 Ruperto Villarreal

## 820 kcs. (365.6 m.)

WHAS C 50000  
 XEBG ... 1000

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

Lawrence Pohl  
 Angel B. Fernandez

## 830 kcs. (361.2 m.)

CMHI O 1000  
 KFUA ... 1000  
 KOA R 50000  
 TIEP ... 3000  
 WEEU DN 1000  
 WHDH L 1000  
 WRUF L 5000  
 XERC ... 500

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

....  
 ....  
 T. E. Stepp  
 Eduardo Pinto H.  
 M. Leonard Savage, Eng.  
 M. Bresnahan  
 Joseph Weil, Ch. Eng.  
 Carlos Dragome Narro

## 840 kcs. (356.9 m.)

|      |     |        |
|------|-----|--------|
| CBL  | F   | 50000  |
| VOGY | ... | 400    |
| XERA | ... | 250000 |

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

W. C. Little, Ch. Eng.  
....  
Don Howard

## 850 kcs. (352.7 m.)

|      |    |       |
|------|----|-------|
| CMCM | .. | 200   |
| KIEV | D  | 250   |
| WHCU | CD | 1000  |
| WKAR | DX | 1000  |
| WWL  | C  | 50000 |

|   |                   |
|---|-------------------|
| a | Havana, Cuba      |
| a | Glendale, Calif.  |
| a | Itaca, N. Y.      |
| a | E. Lansing, Mich. |
| a | New Orleans, La.  |

V. Montes  
David H. Cannon  
True McLean, Ch. Eng.  
Norris Grover, Ch. Eng.  
J. D. Bloom, Ch. Eng.

## 860 kcs. (348.6 m.)

|       |     |       |
|-------|-----|-------|
| CMJA  | ... | 200   |
| CMKS  | ... | 200   |
| TIFMC | ... | 250   |
| WABC  | C   | 50000 |
| WHB   | DM  | 1000  |
| XEMO  | ... | 5000  |

|   |                   |
|---|-------------------|
| a | Camayuev Cuba     |
| a | Guantanamo, Cuba. |
| z | San Jose, C. Rica |
| a | New York, N. Y.   |
| a | Kansas City, Mo.  |
| a | Tijuana, B. Cfa.  |

Rafael Valdes

Rafael Hine Ch.

....  
M. H. Straight, Mgr.  
Fernando Federico Ferreira

## 870 kcs. (344.6 m.)

|      |     |       |
|------|-----|-------|
| CMJM | O   | 1000  |
| WENR | Ba  | 50000 |
| WLS  | Ba  | 50000 |
| XEFB | ... | 200   |

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

....  
T. L. Rowe, Ch. Eng.  
Jesus Quintanilla

## 880 kcs. (340.7 m.)

|      |     |         |
|------|-----|---------|
| CBO  | F   | 1000    |
| CFJC | F   | 1000    |
| CMX  | ... | 10000   |
| KFKA | M2  | 500(1)  |
| KLX  | ... | 1000    |
| KPOF | 2   | 1000    |
| KRRV | M   | 1000    |
| KVAN | D   | 250     |
| TILS | ... | 500     |
| WCOC | C   | 1000    |
| WGBI | CI  | 500(1)  |
| WQAN | I   | 500(1)  |
| WRNL | DX  | 500     |
| WSUI | ... | 1000(5) |

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

Lillian E. de Olloqui  
L. Irwine, Ch. Eng.  
Raoul Karman, Dir.  
H. E. Green, Mgr.  
P. D. Allen, Mgr.  
Wesley O. Lomlin, Annc'r.

Paul W. Spargo, Ch. Eng.  
Luis Saenz Mata  
John B. Rogers, Ch. Eng.  
K. R. Cooke, Ch. Eng.

....  
Walter R. Selden, Ch. Eng.  
Sylvanus Ebert, Ch. Eng.

## 890 kcs. (336.9 m.)

|      |     |         |
|------|-----|---------|
| KARK | NX  | 1000    |
| KFNF | 2   | 500(1)  |
| KFPY | C   | 500     |
| KTKC | M   | 1000    |
| KUSD | 2   | 500     |
| WBAA | ... | 500(1)  |
| WGST | C   | 1000(5) |
| WJAR | R   | 1000(5) |
| WMMN | C   | 1000(5) |
| XEW  | ... | 10000   |

|   |                     |
|---|---------------------|
| 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.  |

Jack Lewis, Prog. Dir.  
Wm. MacDonald, Com. Mgr.  
T. W. Symons, Mgr.  
Chas. P. Scott, Mgr.  
B. B. Brockett, Mgr.  
Ralph R. Townsley, Ch. Eng.  
Ben Akerman, Ch. Eng.  
Thomas Prior, Ch. Eng.  
J. R. Heck, Ch. Eng.  
....

## 900 kcs. (333.1 m.)

|       |     |         |
|-------|-----|---------|
| CMJX  | ... | 200     |
| HIG   | ... | 250     |
| KGBU  | X   | 500     |
| KHJ   | MX  | 1000(5) |
| KSEI  | N   | 250(1)  |
| TIAFB | ... | 600     |
| WBEN  | RX  | 1000(5) |
| WFMD  | D   | 500     |
| WJAX  | N   | 1000(5) |
| WKY   | N   | 5000    |
| WLBL  | D   | 5000    |
| WPAT  | DP  | 1000    |
| WTAD  | D   | 1000    |

|   |                      |
|---|----------------------|
| a | Camaguey, Cuba       |
| 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.  |
| z | Paterson, N. J.      |
| a | Quincy, Ill.         |

Andres Cordero Puello  
James A. Britton, Mgr.  
Lewis Allen Weiss, Mgr.  
R. A. Fletcher, Prog. Dir.  
Mayid Borzuna  
Ralph Kingsley, Ch. Eng.  
John A. Fels, Ch. Eng.  
Harry Cole, Mgr.  
Earl C. Hull, Ch. Eng.  
F. R. Calvert, Mgr.

Paul E. Miller, Ch. Eng.

## 910 kcs. (329.6 m.)

|      |    |       |
|------|----|-------|
| CBF  | FN | 50000 |
| CJAT | F  | 1000  |
| CKY  | F  | 15000 |

|   |                 |
|---|-----------------|
| a | Montreal, P. Q. |
| a | Trail, B. C.    |
| a | Winnipeg, Man.  |

....  
....  
....

**RADEX**

CMKD ... 1000  
XENT Q 50000

a Santiago de Cuba  
a Nuevo Laredo, Tam.

Francisco Meneau  
T. Yount, Mgr.

**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)

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.

F. E. Soto del Valle  
...  
Gene O'Fallon, Mgr.  
Lee Barnes, Aud. Mail Dept.  
Kery Tips, Mgr.  
Rogelio Sotela B.  
Wm. E. Hutchinson, Mgr.  
...  
E. S. Long, Ch. Eng.  
Ty Tyson

**930 kcs. (322.4 m.)**

CFAC F 1000  
CFCH F 100  
CFLC ... 100  
CHNS F 1000  
CKPC ... 100  
CMJF ... 500  
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.  
a Camaguey, Cuba  
a Shenandoah, Iowa  
a Oakland, Calif.  
a Birmingham, Ala.  
a Roanoke, Va.  
a New Haven, Conn.  
a Hermosillo, Son.

R. H. Thomson  
...  
...  
...  
Vicente Salgado  
J. Rapp, Mgr.  
H. P. Drey, Mgr.  
...  
James T. Milne, Mgr.  
Carlos Balderrama

**940 kcs. (319 m.)**

KOIN C 5000  
TIOS ... 500  
WAAT DX 500  
WAVE NX 1000  
WCSH RX 1000 (2,5)  
WDAY NX 1000 (5)  
WHA D 5000  
WICA D 1000  
XEFO ... 5000  
.... P 1000 (5)

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.  
z Tampa, Fla.

B. J. Parrish, Mgr.  
Guillermo Castro S.  
Paul H. LaStayo, Mgr.  
...  
G. Fred Crandon, Ch. Eng.  
Julius Hetland, Ch. Eng.  
...  
C. A. Rowley  
....

**950 kcs. (315.6 m.)**

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

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

...  
...  
...  
Alberto Alvarez Ferrera  
Harry Maizlish, Mgr.  
Arthur B. Church, Mgr.  
...  
K. H. Berkeley  
....

**960 kcs. (312.3 m.)**

CBM FR 5000  
CFRN F 100  
XEAW ... 100000

a Montreal, P. Q.  
a Edmonton, Alta.  
a Reynosa, Tam.

H. D. Munal

**970 kcs. (309.1 m.)**

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

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

Luis Casas R.  
Audience Mail Dept.  
Maynard Marquardt, Ch. Eng.  
....

**980 kcs. (306 m.)**

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

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

A. E. Nelson Mgr.  
Jorge I. Revera  
Rafael T. Carranza

**990 kcs. (302.8 m.)**

WBZ BS 50000  
WBZA BS 1000  
XES .... 250

a Boston, Mass.  
a Springfield Mass.  
a Tampico, Tam.

Dwight Myer, Ch. Eng.  
H. E. Randol, Mgr.  
Arturo Martinez

## 1000 kcs. (299.8 m.)

|      |     |       |   |                      |
|------|-----|-------|---|----------------------|
| CMKG | ... | 10000 | z | Santiago de Cuba     |
| KFVD | L   | 1000  | a | Los Angeles, Calif.  |
| TIFA | ... | 250   | z | San Jose, C. Rica    |
| WHO  | R   | 50000 | a | Des Moines, Iowa     |
| XEAF | ... | 750   | a | Nogales, Son.        |
| XEK  | ... | 200   | a | Mexico City, D. F.   |
| XEBI | ... | 250   | a | Aguascalientes, Ags. |

.....  
 Frank Burke, Mgr.  
 Francisco Ariel  
 Paul A. Loyat, Ch. Eng.  
 .....  
 Fernando Sada  
 Pedro C. Rivas

## 1010 kcs. (296.9 m.)

|      |     |         |   |                   |
|------|-----|---------|---|-------------------|
| CHML | F   | 100     | a | Hamilton, Ont.    |
| CKCK | F   | 1000    | a | Regina, Sask.     |
| CKCO | F   | 100     | a | Ottawa, Ont.      |
| CMBZ | ... | 5000    | a | Havana, Cuba      |
| KGGF | M2  | 1000    | a | Coffeyville, Kans |
| KOW  | M   | 5000    | a | San Jose, Calif.  |
| WHN  | ..  | 1000(5) | a | New York, N. Y.   |
| WNAD | ..  | 1000    | a | Norman, Okla.     |
| WNOX | C   | 1000(5) | a | Knoxville, Tenn.  |
| XEFQ | ... | 500     | a | Cananea, Son.     |
| XEU  | ... | 500     | a | Veracruz, Ver. C. |

.....  
 .....  
 Dr. G. H. Geldert  
 .....  
 Hugh J. Powell  
 C. S. Harper, Mgr.  
 .....  
 T. M. Beard, Prog. Dir.  
 Pedro L. Diaz  
 .....  
 Fernando Pazos S.

## 1020 kcs. (293.9 m.)

|      |     |       |   |                   |
|------|-----|-------|---|-------------------|
| CMHO | ... | ....  | z | Cienfuegos, Cuba  |
| CMJK | ... | 200   | z | Camaguey, Cuba    |
| KYW  | R   | 10000 | b | Philadelphia, Pa. |
| WDZ  | D   | 1000  | a | Tuscola, Ill.     |
| XEJ  | ... | 1000  | a | Juarez, Chih.     |

.....  
 .....  
 Leslie W. Joy, Mgr.  
 Mark C. Spies, Ch. Eng.  
 Pedro Meneses, Jr.

## 1030 kcs. (291.1 m.)

|      |     |       |   |                     |
|------|-----|-------|---|---------------------|
| CFCN | F   | 10000 | a | Calgary, Alta.      |
| CJBR | F   | 1000  | a | Rimouski, P. Q.     |
| CKLW | FM  | 5000  | a | Windsor, Ont.       |
| CMKW | ... | 1000  | z | Santiago de Cuba    |
| CMAC | P   | 100   | z | Pinar Del Rio, Cuba |
| TIHO | ... | 500   | z | San Jose, C. Rica   |
| XEB  | ... | 20000 | a | Mexico City, D. F.  |

.....  
 E. Marshall  
 J. A. Brilliant  
 .....  
 Claudio Alvarez Soriano  
 .....  
 Guillermo Zuniga R.  
 .....

## 1040 kcs. (288.3 m.)

|      |     |       |   |                   |
|------|-----|-------|---|-------------------|
| KRLD | C   | 50000 | a | Dallas, Texas.    |
| KWJJ | HL  | 500   | a | Portland, Ore.    |
| KYOS | DM  | 250   | a | Merced, Calif.    |
| VOCM | ... | 100   | z | St. John's, Nfld. |
| WTIC | HR  | 50000 | z | Hartford, Conn.   |
| .... | P   | 1000  | z | Matanzas, Cuba    |

.....  
 Given Boyd  
 Art Morey, Ann'cr.  
 John W. Crews, Mgr.  
 .....  
 T. C. McCray  
 .....

## 1050 kcs. (285.5 m.)

|      |     |         |   |                     |
|------|-----|---------|---|---------------------|
| CBA  | F   | 50000   | a | Sackville, N. B.    |
| CMCH | ... | 200     | a | Havana, Cuba        |
| CMCX | ... | 200     | z | Guanabacoa, Cuba    |
| CMKW | ... | 1000    | z | Santiago de Cuba    |
| HIT  | ... | 50      | z | Trujillo, D. R.     |
| KFBI | LX2 | 5000    | a | Wichita, Kans.      |
| KNX  | C   | 50000   | a | Los Angeles, Calif. |
| WEAU | L2  | 1000(5) | a | Eau Claire, Wis.    |
| WIBC | D   | 1000    | a | Indianapolis, Ind.  |

.....  
 .....  
 A. L. Pichardo  
 Donald Thornburgh, Mgr.  
 .....  
 .....  
 .....

## 1060 kcs. (282.8 m.)

|      |      |       |   |                   |
|------|------|-------|---|-------------------|
| KTHS | HN   | 10000 | a | Hot Springs, Ark. |
| VOAC | 1065 | 40    | z | St. John's, Nfld. |
| WBAL | BM   | 10000 | a | Baltimore, Md.    |
| WJAG | L    | 1000  | a | Norfolk, Nebr.    |

.....  
 Mary F. Loyd, Sec'y.  
 .....  
 Gerald Cooke, Ch. Eng.  
 Art Thomas, Mgr.

## 1070 kcs. (280.2 m.)

|       |     |       |   |                       |
|-------|-----|-------|---|-----------------------|
| CMJW  | ... | 200   | z | Camaguey, Cuba        |
| KJBS  | L   | 500   | a | San Francisco, Calif. |
| TINBC | P   | 5000  | z | San Jose, C. Rica     |
| WCAZ  | D   | 100   | a | Carthage, Ill.        |
| WTAM  | R   | 50000 | a | Cleveland, Ohio       |

.....  
 M. Caymares Silva  
 Miriom Ford, Traffic Dept.  
 Oscar Martinez N.  
 .....  
 May Draxell



**1080 kcs. (277.6 m.)**

CMCG ... 200  
 CMKM ... 200  
 WBT C 50000  
 WCBD LI 5000  
 WMBI LI 5000  
 XEBA ... 20  
 XEBK ... 100  
 XEDP ... 500

a Havana, Cuba  
 a Manzanillo, Cuba  
 a Charlotte, N. C.  
 a Chicago, Ill.  
 g Chicago, Ill.  
 z Guzman, Jal.  
 z Nuevo Laredo, Tam.  
 a Mexico City, D. F.

Jesus Armesto  
 ....  
 A. P. Frye, Ch. Eng  
 Javier Velasco  
 J. M. Cortes  
 ....

**1090 kcs. (275.1 m.)**

CMHA ... 200  
 HIN ... 100  
 KMOX C 50000  
 XERB ... 50000

z Sagua la Grande, Cuba  
 z Trujillo, D. R.  
 a St. Louis, Mo.  
 a Tijuana, B. Cfa.

Abelardo Menocal  
 J. M. Bonetti  
 G. L. Tevis, Ch. Eng.  
 ....

**1100 kcs. (272.6 m.)**

CBR F 5000  
 CMHP ... 200  
 KGDM DM 1000  
 KWKH C 50000  
 WCAR DP 1000  
 WOV X 5000

a Vancouver, B. C.  
 z Placetas, Cuba  
 f Stockton, Calif.  
 a Shreveport, La.  
 z Pontiac, Mich.  
 a New York, N. Y.

....  
 A. H. Green, Mgr.  
 John McCormack, Mgr.  
 ....  
 S. H. Alperl

**1110 kcs. (270.1 m.)**

CMCU ... 5000  
 CMKH ... 200  
 KSOO LN 5000  
 WRVA CM 50000  
 XECL ... 1000

a Havana, Cuba  
 z Guantanamo, Cuba  
 a Sioux Falls, S. Dak.  
 a Richmond, Va.  
 z Mexicali, B. Cfa.

....  
 M. D. Roddenbury  
 Alfonso A. Lacarra

**1120 kcs. (267.7 m.)**

CBJ F 100  
 CHLP F 100  
 CHSJ F 1000  
 CKOC F 1000  
 CKX F 1000  
 CMGF ... 200  
 KFIO D 100  
 KFSG a 1000(.5)  
 KRKD a 1000(.5)  
 KSAL ... 500(1)  
 KRSC EX 250  
 KTBC DGZ 1000  
 WCOP D 500  
 WDEL R 250(1)  
 WISN C 250(1)  
 WJBO BX 500  
 WKPA DP 250  
 WTAW GZ 500

a Chicoutimi, P. Q.  
 a Montreal, P. Q.  
 a St. John, N. B.  
 a Hamilton, Ont.  
 a Brandon, Man.  
 a Matanzas, Cuba  
 a Spokane, Wash.  
 a Los Angeles, Calif.  
 a Los Angeles, Calif.  
 a Salina, Kans.  
 a Seattle, Wash.  
 z Austin, Texas  
 a Boston, Mass.  
 a Wilmington, Del.  
 a Milwaukee, Wis.  
 a Baton Rouge, La.  
 z New Kensington, Pa.  
 a College Station, Texas

....  
 L. W. Bewick, Sec'y-Treas.  
 ....  
 Bernabe de la Torre  
 Arthur L. Smith, Mgr.  
 Ruth Pritchard  
 Dr. Giles N. Knight, Mgr.

**1130 kcs. (265.3 m.)**

CMJI ... 200  
 KSL C 50000  
 WJJD L 20000  
 XEJP ... 100

a Ciego de Avila, Cuba  
 a Salt Lake City, Utah  
 a Chicago, Ill.  
 z Mexico City, D. F.

Gilberto Gesse Lopez  
 E. G. Pack; Earl J. Glade  
 J. L. Allabough  
 Salvador Monterrubio R.

**1140 kcs. (263 m.)**

CMKY ... 5000  
 KVOO N 25000  
 WAPI C 5000  
 WSPR LM 500

z Santiago, Cuba  
 a Tulsa, Okla.  
 a Birmingham, Ala.  
 a Springfield, Mass

Wm. B. Way, Mgr.  
 N. McFarland  
 Hillis W. Holt

**1150 kcs. (260.7 m.)**

CMBQ ... 5000  
 WHAM N 50000  
 XEBP ... 250  
 XEC ... 100  
 XEDW ... 300  
 XEL ... 250  
 XEXH ... 400

a Havana, Cuba  
 a Rochester, N. Y.  
 z Durango, Dgo.  
 a Tijuana, B. Cfa.  
 a Minatitlan, Ver. C.  
 z Mexico City, D. F.  
 z Oaxaca, Oax.

John J. Long, Ch. Eng.  
 ....  
 Manuel Cano M.  
 Luis F. Encisco  
 Hector Silva Canto  
 ....

**1160 kcs. (258.5 m.)**

|      |     |       |
|------|-----|-------|
| CMHJ | ... | 200   |
| KEX  | B   | 5000  |
| WOWO | B1  | 10000 |
| WWVA | C1  | 5000  |
| XEAS | ... | 100   |
| XED  | ... | 2500  |
| XEFM | ... | ...   |
| KEP  | ... | 500   |

- a Cienfuegos, Cuba
- a Portland, Oreg.
- a Fort Wayne, Ind.
- a Wheeling, W. Va.
- a Saltillo, Coah.
- a Guadalajara, Jal.
- z Leon, Gto.
- a Juarez, Chih.

- Richardo Ugalde
- H. C. Singleton, Ch. Eng.
- ....
- E. A. Hadden, Eng.
- Manuel R. Rodriguez
- ....
- ....
- Estaban Perra

**1170 kcs. (256.3 m.)**

|      |     |       |
|------|-----|-------|
| WCAU | C   | 50000 |
| XEXX | ... | 1000  |

- a Philadelphia, Pa.
- z Mexico City, D. F.

- J. G. Leitch
- ....

**1180 kcs. (254.1 m.)**

|      |      |          |
|------|------|----------|
| CMBG | ...  | 1500     |
| CMBX | ...  | 200      |
| KOB  | NX   | 10000    |
| WDGY | LMXZ | 1000 (5) |
| WINS | L    | 1000     |
| WMAZ | CL   | 1000(5)  |

- a Havana, Cuba
- a Havana, Cuba
- a Albuquerque, N. Mex.
- a Minneapolis, Minn.
- a New York, N. Y.
- a Macon, Ga.

- T. M. Pepperday, Mgr.
- Dr. Geo. W. Young
- ....
- ....

**1190 kcs. (252 m.)**

|      |     |       |
|------|-----|-------|
| CMGH | ... | 500   |
| CMKX | ... | 200   |
| WOAJ | EN  | 50000 |
| WSAZ | L   | 1000  |

- a Matanzas, Cuba
- z Banes, Cuba
- a San Antonio, Texas
- a Huntington, W. Va.

- ....
- Oscar Vidal Benitez
- ....
- Glenn E. Chase, Ch. Eng.

**1200 kcs. (249.9 m.)**

|      |   |          |
|------|---|----------|
| CHAB | F | 100(.25) |
| CHGB | F | 100      |

- a Moose Jaw, Sask.
- z St. Anne de la Pocatiere, P. Q.

- A. E. Jacobson, Ch. Eng.
- G. Thomas Desjardins

|       |     |          |
|-------|-----|----------|
| CKNX  | ... | 100      |
| CKTB  | F   | 100      |
| CKVD  | ... | 100      |
| KADA  | EM  | 250      |
| KAST  | ... | 250      |
| KBTM  | ... | 100(.25) |
| 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      |
| KODL  | P   | 100(.25) |
| KOOS  | M   | 250      |
| KPHO  | P   | 250      |
| KSUN  | E   | 250      |
| KVCV  | M   | 250      |
| KVEC  | M   | 250      |
| KVNU  | ... | 250      |
| KVOS  | M   | 250      |
| KWG   | BE  | 100      |
| KWNO  | E   | 250      |
| TIRCC | ... | 500      |
| WABI  | C   | 250      |
| WAIM  | C   | 100      |
| WAJR  | P   | 250      |
| WAYX  | ... | 250      |
| WBAB  | ... | 250      |
| WBBZ  | M   | 250      |
| WBHP  | ... | 100      |
| WBOW  | N   | 250      |
| WCAT  | D   | 100      |
| WCAX  | C   | 250      |
| WCBT  | P   | 250      |
| WCED  | P   | 250      |
| WCLO  | ... | 250      |
| WCOL  | N   | 250      |
| WCPO  | ... | 250      |
| WDLF  | ... | 100(.25) |
| WDSM  | M   | 100      |
| WENY  | M   | 250      |

- a Wingham, Ont.
- a St. Catharines, Ont.
- z Val d'Or, P. Q.
- 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.
- z The Dalles, Oreg.
- a Marshfield, Ore.
- z Phoenix, Ariz.
- a Lowell, Ariz.
- a Redding, Calif.
- a San Luis Obispo, Calif.
- z Logan, Utah
- d Bellingham, Wash.
- a Stockton, Calif.
- a Winona, Minn.
- z San Jose, C. Rica
- a Bangor, Maine
- a Anderson, S. C.
- z Morgantown, W. Va.
- a Waycross, Ga.
- a Atlantic City, N. J.
- a Ponca City, Okla.
- a Huntsville, Ala.
- a Terre Haute, Ind.
- a Rapid City, S. Dak.
- a Burlington, Vt.
- z Roanoke Rapids, N. C.
- z Du Bois, Pa.
- a Janesville, Wis.
- a Columbus, Ohio
- a Cincinnati, Ohio
- a Panama City, Fla.
- z Superior, Wis.
- d Elmira, N. Y.

- B. Howard Bedford, Asst. Mgr.
- E. T. Sandell
- ....
- Warren Moore, Prog. Dir.
- Lawrence King, Ch. Eng.
- Jay P. Beard, Mgr.
- Joseph Henkin, Mgr.
- Homer Griffith, Mgr.
- Edward Hurt, Mgr.
- Rex Howell, Mgr.
- Mat E. Wakz, Ch. Eng.
- Elmer G. Beehler
- Thelma Kirchner, Prog. Dir.
- R. G. Terrill, Mgr.
- ....
- Webley Edwards, Mgr.
- J. C. Limer, Jr., Mgr.
- ....
- Roger L. Spough, Ch. Eng.
- ....
- Carleton W. Morris, Mgr.
- Harold Smithson, Mgr.
- Earl Travis, Ch. Eng.
- J. M. Reeder, Ch. Eng.
- ....
- George Ross, Mgr.
- A. E. Mickel, Mgr.
- Carlos Borge
- Ralph Wallace, Mgr.
- Ennis Bray, Mgr.
- ....
- Jack Williams
- ....
- Don Mitchell, Ch. Eng.
- ....
- C. M. Rowe, Prog. Dir.
- James Tierney, Ch. Eng.
- ....
- Charles Brannen, Ch. Eng.
- ....
- Glen A. Davis, Ch. Eng.
- ....
- Fred A. Baxter
- ....

|      |    |           |
|------|----|-----------|
| WEST | M  | 250       |
| WF5* |    | 100       |
| WFAM | 4  | 100       |
| WFTC |    | 250       |
| WGRB | P  | 250       |
| WHBC |    | 250       |
| WHBY | E  | 250       |
| WHOP |    | 250       |
| WIBX | C  | 250       |
| WIL  |    | 250       |
| WJBC |    | 250       |
| WJBW |    | 250       |
| WJHL | XZ | 250       |
| WJNO | C  | 250       |
| WJOB | 4  | 100       |
| WJRD | E  | 250       |
| WKBO | N  | 100 (.25) |
| WLOF | P  | 250       |
| WLOG | D  | 100       |
| WLVA |    | 250       |
| WMFR |    | 250       |
| WMOB |    | 250       |
| WMPC |    | 250       |
| WOLS | N  | 250       |
| WRBL | C  | 250       |
| WSAM | G  | 100 (.25) |
| WSKB |    | 250       |
| WSOO |    | 100 (.25) |
| WTHT | M  | 250       |
| WTOL |    | 250       |

1210 kcs. (247.8 m.)

|      |     |           |
|------|-----|-----------|
| CHLT |     | 100       |
| CJCS |     | 50        |
| CKBI | FX  | 250       |
| CKCH | F   | 100       |
| CKMC |     | 50        |
| CKNB | F   | 100       |
| CMCO |     | 200       |
| CMHK |     | 200       |
| CMOA |     | 200       |
| KALB |     | 250       |
| KANS | N   | 250       |
| KASA | M   | 100       |
| KDLR |     | 250       |
| KDON | M   | 100       |
| KFJI |     | 100       |
| KFOR | EM  | 100 (.25) |
| KFXM | M2X | 100       |
| KGLO | C   | 250       |
| KGY  | M   | 100       |
| KHBG |     | 250       |
| KIUL |     | 100       |
| KLAH |     | 250       |
| KOCA |     | 250       |
| KOVO |     | 250       |
| KPPA | EN  | 250       |
| KPPC | 2   | 100       |
| KROY | C   | 100       |
| KVSO | M   | 100 (.25) |
| KWAT |     | 250       |
| KWJB |     | 250       |
| KXOX |     | 250       |
| KYUM |     | 250       |
| WATN | P   | 250       |
| WBAX | AM  | 100       |
| WBBL | 5   | 100       |
| WBIR | P   | 100 (.25) |
| WBRB | 3   | 100       |
| WCOU | M   | 250       |
| WCOV |     | 100       |
| WCRW | 4   | 100       |
| WEBO |     | 250       |
| WEDC | G4  | 250       |
| WFAS | 3   | 250       |
| WFOY |     | 250       |
| WFTM |     | 250       |
| WGAC | P   | 250       |
| WGBB | 3   | 100       |
| WGCM |     | 250       |

|                           |
|---------------------------|
| a Easton, Pa.             |
| z Salem Mass              |
| a South Bend, Ind.        |
| a Kinston, N. C.          |
| z Grand Rapids, Mich.     |
| a Canton, Ohio            |
| a Appleton, Wis.          |
| a 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 Hammond, Ind.           |
| a Tuscaloosa, Ala.        |
| a Harrisburg, Pa.         |
| z Orlando, Fla.           |
| a Logan, W. Va.           |
| a Lynchburg, Va.          |
| a High Point, N. C.       |
| a Mobile, Ala.            |
| a Lapeer, Mich.           |
| a Florence, S. C.         |
| a Columbus, Ga.           |
| a Saginaw, Mich.          |
| a McComb, Miss.           |
| a Sault Ste. Marie, Mich. |
| a Hartford, Conn.         |
| a Toledo, Ohio            |

|                           |
|---------------------------|
| J. E. Mathiot, Ch. Eng.   |
| Al Todd; Paul Mangus      |
| Jonas Weiland             |
| Kenneth Sliker, Ch. Eng.  |
| W. J. Stangel, Ch. Eng.   |
| David Foote, Ch. Eng.     |
| C. H. Stoup, Ch. Eng.     |
| A. M. McGregor            |
| Charles C. Carlson        |
| O. K. Garland, Ch. Eng.   |
| Reginald B. Martin        |
| Robert Myers              |
| James R. Doss, Jr.        |
| Charles Myers, Ch. Eng.   |
| J. T. Orch, Eng.          |
| E. J. Day, Ch. Eng.       |
| A. B. Quigley             |
| Hollis F. Hayes, Ch. Eng. |
| O. Lee Stone              |
| Oliver Hely, Ch. Eng.     |
| Richard K. Blackburn      |
| Michael Kent, Mgr.        |

|                          |
|--------------------------|
| z Sherbrooke, P. Q.      |
| a Stratford, Ont.        |
| a Prince Albert, Sask.   |
| a Hull, P. Q.            |
| a Cobalt, Ont.           |
| a Campbellton, N. B.     |
| a Havana, Cuba           |
| z Cruces, Cuba           |
| a Havana, 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 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.         |
| a Watertown, S. Dak.     |
| a Globe, Ariz.           |
| z Sweetwater, Tex.       |
| a Yuma, Ariz.            |
| z Watertown, N. Y.       |
| a Wilkes-Barre, Pa.      |
| a Richmond, Va.          |
| z Knoxville, Tenn.       |
| a Red Bank, N. J.        |
| a Lewiston, Maine        |
| z Montgomery, Ala.       |
| a Chicago, Ill.          |
| a Harrisburg, Ill.       |
| a Chicago, Ill.          |
| a White Plains, N. Y.    |
| a St. Augustine, Fla.    |
| a Ft. Myers, Fla.        |
| a Augusta, Ga.           |
| a Freeport, N. Y.        |
| a Gulfport, Miss.        |

|                             |
|-----------------------------|
| Marcel Provst, Mgr.         |
| Frank M. Squires            |
| Gerald Prest                |
| R. L. MacAdam               |
| C. S. Chapman, Mgr.         |
| R. G. Gonzalez              |
| Virgil Evans, Prog. Dir.    |
| Herbert Hollister, Mgr.     |
| Lyman Brown, Prog. Dir.     |
| Merle Bjork, Ch. Anncr.     |
| Howard Walters, Mgr.        |
| Geo. Kincaid, Mgr.          |
| Don Searle, Mgr.            |
| J. C. Lee, Mgr.             |
| F. C. Eighmey, Mgr.         |
| W. R. Taft, Mgr.            |
| A. F. Schultz, Ch. Eng.     |
| F. D. Conard, Mgr.          |
| Jack Hawkins, Mgr.          |
| H. A. Degner, Mgr.          |
| E. B. Craney, Mgr.          |
| David Black, Mgr.           |
| Milton Cooper, Ch. Eng.     |
| Paul W. Ross, Ch. Eng.      |
| Bartley Sims, Mgr.          |
| Drury Lenington, Prog. Dir. |
| Leslie Hall, Ch. Eng.       |
| Al Thompson, Ch. Eng.       |
| Clinton R. White            |
| J. R. Tate, Ch. Eng.        |
| Caleb Frisk, Ch. Eng.       |
| Selma Seitz, Prog. Dir.     |
| Bradley Overton, Ch. Eng.   |
| Harry H. Carman             |
| C. H. Dyess, Ch. Eng.       |

|      |     |          |
|------|-----|----------|
| WGGM | P   | 250      |
| WGMA | P   | 250      |
| WGRM | ... | 250      |
| WHA1 | M   | 250      |
| WHBU | ... | 100(.25) |
| WHIZ | N   | 250      |
| WIBU | ... | 250      |
| WINN | ... | 100(.25) |
| WJBY | E   | 250      |
| WJEJ | ... | 250      |
| WJIM | B   | 250      |
| WJLS | ... | 250      |
| WJMC | D   | 250      |
| WJTN | B   | 250      |
| WJW  | ... | 250      |
| WKOK | ... | 250      |
| WLOK | X   | 100      |
| WMFG | C   | 250      |
| WOCB | P   | 250      |
| WOMT | ... | 100      |
| WPAX | ... | 250      |
| WPID | 5   | 250      |
| WRAL | M   | 250      |
| WSAY | M   | 250      |
| WSBC | G4  | 250      |
| WSIX | M   | 250      |
| WSNJ | ... | 250      |
| WSOC | MN  | 100(.25) |
| WTAX | ... | 100      |
| WTMA | N   | 250      |
| XEAT | ... | 250      |
| XEE  | ... | 50       |
| XEFV | ... | 50       |

**1220 kcs. (245.8 m.)**

|       |      |         |
|-------|------|---------|
| KFKU  | a    | 1000(5) |
| KPAC  | ...  | 500     |
| KTMS  | BE   | 500     |
| KTW   | 2    | 1000    |
| KWSC  | 2    | 1000(5) |
| TIGPH | 1225 | 1000    |
| WCAD  | D    | 500     |
| WCAE  | MRX  | 1000(5) |
| WDAE  | C    | 5000    |
| WGNV  | D    | 250     |
| WREN  | aB   | 1000(5) |
| XEBL  | ...  | 500     |
| XEDA  | ...  | 200     |
| XETF  | ...  | 12      |

**1230 kcs. (243.8 m.)**

|      |     |         |
|------|-----|---------|
| CMJE | ... | 200     |
| KGBX | NX  | 500     |
| KGBM | C   | 1000    |
| KYA  | F   | 1000(5) |
| WALB | DP  | 1000    |
| WFBM | CX  | 5000    |
| WNAC | RX  | 1000(5) |
| WOL  | M   | 1000    |
| XECA | ... | 250     |
| XEG  | ... | 250     |
| XEHK | ... | 125     |
| XEHR | ... | 250     |
| XELK | ... | 100     |
| XEOX | ... | 250     |

**1240 kcs. (241.8 m.)**

|      |     |         |
|------|-----|---------|
| CJCB | F   | 1000    |
| CMAB | ... | 200     |
| CMHB | ... | 200     |
| KFJZ | M   | 1000    |
| KGCU | ... | 250     |
| KTFI | N   | 1000    |
| WHBF | M   | 1000    |
| WKAO | CXZ | 1000    |
| WYYZ | R   | 1000(5) |
| XEAD | A   | 500     |
| XEBC | A   | 100     |
| XEBU | ... | 50      |

|   |                    |
|---|--------------------|
| z | Gainesville, Ga.   |
| z | Schenectady, N. Y. |
| a | Greenwood, Miss.   |
| a | Greenfield, Mass.  |
| a | Anderson, Ind.     |
| a | Zanesville, Ohio   |
| a | Povnette, Wis.     |
| a | Louisville, Ky.    |
| a | Gadsden, Ala.      |
| a | Hagerstown, Md.    |
| 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.   |
| a | Petersburg, Va.    |
| z | Raleigh, N. C.     |
| a | Rochester, N. Y.   |
| a | Chicago, Ill.      |
| a | Nashville, Tenn.   |
| a | Bridgeton, N. J.   |
| a | Charlotte, N. C.   |
| a | Springfield, Ill.  |
| a | Charleston, S. C.  |
| a | Parral, Chih.      |
| a | Durango, Dgo.      |
| a | Juarez, Chih.      |

|   |                       |
|---|-----------------------|
| a | Lawrence, Kans.       |
| a | Port Arthur, Texas    |
| 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.     |

|   |                       |
|---|-----------------------|
| z | Camaguey, Cuba        |
| a | Springfield, Mo.      |
| a | Albuquerque, N. Mex.  |
| a | San Francisco, Calif. |
| z | Albany, Ga.           |
| a | Indianapolis, Ind.    |
| a | Boston, Mass.         |
| a | Washington, D. C.     |
| z | Tampico, Tam.         |
| z | Monterrey, N. L.      |
| z | Guadalajara, Jal.     |
| a | Puebla, Pue.          |
| z | Zacatecas, Zac.       |
| a | Los Mochis, Sin.      |

|   |                       |
|---|-----------------------|
| 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, Ags.  |
| z | Morelia, Micho.       |
| z | Chihuahua, Chih.      |

....  
C. A. Perkins, Ch. Eng.  
James L. Spates, Mgr.  
R. F. Fulwider, Ch. Eng.  
Ronald Woodyard, Mgr.

....  
Vernon Story, Ch. Eng.  
Grover Crilley, Mgr.  
Leo Yiha, Ch. Eng.  
Joe L. Smith, Jr.  
Walter McGenty  
Gene LaValle, Prog Dir.  
Paul L. Miller, Eng.  
S. L. Gladfelder, Ch. Eng.  
Charles Persons, Ch. Eng.

....  
Francis M. Kadow  
H. Wimpy  
....  
Geo. T. Case, Mgr.  
Thurlow Greene  
Ed Jacker, Ch. Eng.  
James Turner  
L. L. Caudle, Ch. Eng.  
Edward Ring, Ch. Eng.  
D. M. Drachman, Ch. Eng.  
David G. Cervantes  
Alejandro O. Stevenson  
Dario Cordoba

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Joe Walters, Ch. Eng.  
Norman McLaughlin, Mgr.  
Dr. M. A. Matthews, Mgr.  
Kenneth Yeend, Mgr.  
Gonzalo Pinto H.  
Dr. Ward C. Priest, Ch. Eng.  
James Schultz, Ch. Eng.  
Joseph Smiley, Mgr.  
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Vern Omer, Ch. Eng.  
Ignacio L. Saiz  
Pedro Riestra Diaz  
Jose Rodriguez Lopez

Primo Alfonso Casares  
R. D. Foster, Mgr.  
Mike Hollander, Mgr.  
Frances Pike, Prog. Dir.

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N. N. Lyon, Ch. Technician  
Nicolas M. Picet  
Rodolfo Junco de la Vega

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Francisco Martinez  
Ortelio Ramierz  
H. Sutton, Ch. Eng.  
....  
John E. Gardner, Mgr.  
Robert Sinnett, Eng.  
A. P. Del Valle, Ch. Eng.  
Lynn Smeby, Ch. Eng.  
....  
Feliciano Lopez Islas

|      |     |     |
|------|-----|-----|
| XECW | ... | 250 |
| XEDL | ... | 500 |
| XEJS | ... | 100 |
| XEKL | A   | 500 |
| XEKS | ..  | 100 |
| XEME | ... | 400 |
| XEOA | ... | 450 |

**1250 kcs. (239.9 m.)**

|      |     |           |
|------|-----|-----------|
| CMBS | ... | 200       |
| CMCB | ... | 200       |
| CMKC | ... | 200       |
| KFOX | ... | 1000      |
| KFIT | FM  | 1000      |
| KXOK | XZ  | 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.)**

|      |     |         |
|------|-----|---------|
| CMJO | ... | 200     |
| KGVO | C   | 1000(5) |
| KHSL | M   | 500(1)  |
| KOIL | CEM | 1000(5) |
| KRGV | N   | 1000    |
| KUOA | D   | 5000    |
| KVOA | EN  | 1000    |
| WFVA | D   | 250     |
| WHIO | C   | 1000(5) |
| WHLD | D   | 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     |
| WFBR | R   | 1000(5) |
| WJDX | R   | 1000(5) |
| WOOD | aN  | 500     |
| WWNY | DP  | 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.)**

|      |     |         |
|------|-----|---------|
| CJHC | P   | 1000    |
| CMBD | ... | 5000    |
| CMBF | ... | 5000    |
| KDYL | R   | 1000(5) |
| KLNC | D   | 100     |
| KTRH | C   | 1000(5) |
| WATR | ... | 250     |
| WEBC | N   | 1000(5) |
| WJAS | C   | 1000(5) |

|   |                  |
|---|------------------|
| z | Cordoba, Ver. C. |
| z | Navojoa, Son.    |
| z | Cananea, Son.    |
| b | Leon, Gto.       |
| z | Saltillo, Coah.  |
| z | Merida, Yuc.     |
| a | Oaxaca, Oax.     |

|   |                      |
|---|----------------------|
| a | Havana, Cuba         |
| a | Havana, Cuba         |
| a | Santiago, Cuba       |
| a | Long Beach, Calif.   |
| a | Yakima, Wash.        |
| 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.   |

|   |                      |
|---|----------------------|
| a | Ciego de Avila, Cuba |
| a | Missoula, Mont.      |
| a | Chico, Calif.        |
| a | Omaha, Nebr.         |
| a | Weslaco, Texas       |
| a | Siloam Springs, Ark. |
| a | Tucson, Ariz.        |
| z | Fredericksburg, Va.  |
| a | Dayton, Ohio         |
| a | 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 | Watertown, N. Y.        |
| 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. |

|   |                      |
|---|----------------------|
| z | Halifax, N. S.       |
| z | Havana, Cuba         |
| z | Havana, Cuba         |
| a | Salt Lake City, Utah |
| a | Blytheville, Ark.    |
| a | Houston, Texas       |
| a | Waterbury, Conn.     |
| a | Duluth, Minn.        |
| a | Pittsburgh, Pa.      |

P. Villamil Cisero

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Irwin R. Wolfe, Ch. Eng.  
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Carmen Gutierrez

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B. F. Orr, Mgr.  
Chas. Persons, Ch. Eng.  
Walter McCoy, Ch. Eng.

|      |     |           |
|------|-----|-----------|
| WJHP | ... | 250       |
| WNBZ | D   | 100       |
| WNEL | X   | 1000(.25) |

- a Jacksonville, Fla.
- a Saranac Lake, N. Y.
- a San Juan, Puerto Rico

Carlyle Wright, Mgr.  
.....  
Juan Piza

**1300 kcs. (230.6 m.)**

|      |     |         |
|------|-----|---------|
| KALE | M   | 1000(5) |
| KFAC | ... | 1000    |
| KFH  | CX  | 1000(5) |
| WBRR | 2   | 1000    |
| WEVD | 2   | 1000    |
| WFBC | NX  | 1000(5) |
| WHAZ | 2   | 1000    |
| WHBL | ... | 250(1)  |
| WLOL | ... | 1000    |

- 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.
- a Shebovgan Wis.
- a Minneapolis, Minn.

Dick Rand, Prog. Dir.  
E. Tyler, Log Dept.  
Russell L. Lowe, Mgr.  
.....  
Frank Blair, Prog. Dir.  
H. D. Harris, Ch. Eng.  
Herbert Mayer, Ch. Eng.  
.....

**1310 kcs. (228.9 m.)**

|      |      |          |
|------|------|----------|
| CFGP | ...  | 100      |
| CHCK | ...  | 50       |
| CJLS | F    | 100      |
| CKCV | F    | 100      |
| CKME | ?    | ...      |
| KARM | C    | 250      |
| KBND | ...  | 250      |
| KCKN | ...  | 250      |
| KCRJ | E    | 250      |
| KFPL | ...  | 100(.25) |
| KFYO | M    | 250      |
| KGEZ | ...  | 100      |
| KGFV | ...  | 250      |
| KHUB | ...  | 250      |
| KMYR | P    | 100(.25) |
| KOCY | ...  | 250      |
| KOME | EM   | 250      |
| KPDN | ...  | 100      |
| KRJJ | P    | 250      |
| KRAM | ...  | 250      |
| KROC | EN   | 250      |
| KRRV | DMXZ | 250      |
| KSRO | ...  | 250      |
| KSUB | ...  | 100      |
| KTSM | N2XZ | 250      |
| KUIN | ...  | 250      |
| KVIC | ...  | 100(.25) |
| KVOL | ...  | 250      |
| KVOX | E    | 250      |
| KVSF | C    | 100      |
| KWFC | ...  | 100(.25) |
| KWLM | P    | 100      |
| KWOC | ...  | 250      |
| KWOS | ...  | 250      |
| KXRO | M    | 250      |
| TGI  | ...  | ...      |
| WAML | ...  | 250      |
| WBRE | N    | 350      |
| WBRK | M    | 250      |
| WBRW | P    | 250      |
| WCLS | L    | 100      |
| WCMI | M    | 250      |
| WDAH | 2    | 250      |
| WDAK | ...  | 250      |
| WDMJ | ...  | 250      |
| WEBR | B    | 250      |
| WEMP | ...  | 250      |
| WEXL | ...  | 50       |
| WFBG | RX   | 100      |
| WFDF | BXZ  | 100      |
| WFHR | P    | 100(.25) |
| WFIG | ...  | 100(.25) |
| WGAU | ...  | 250      |
| WGH  | K    | 250      |
| WGTM | ...  | 250      |
| WHAT | 4    | 100      |
| WINX | P    | 250      |
| WIZE | P    | 100      |
| WJPF | P    | 250      |
| WJPR | ...  | 250      |
| WLAK | N    | 250      |
| WLAV | P    | 250      |

- a Grande Prairie, Alta.
- a Charlottetown, P. E. I.
- a Yarmouth, N. S.
- a Quebec, P. Q.
- z Manzanillo, Cuba
- a Fresno, Calif.
- z Bend, Ore.
- a Kansas City, Kans.
- a Jerome, Ariz.
- f Dublin, Texas
- a Lubbock, Texas
- a Kalispell, Mont.
- a Kearney, Nebr.
- a Watsonville, Calif.
- a Denver, Colo.
- a Oklahoma City, Okla.
- z Tulsa, Okla.
- a Pampa, Texas
- z Miles City, Mont.
- a Shreveport, La.
- a Rochester, Minn.
- a Sherman, Texas
- a Santa Rosa, Calif.
- a Cedar City, Utah
- a El Paso, Texas
- a Grants Pass, Ore.
- a Victoria, Texas
- a Lafayette, La.
- a Moorhead, Minn.
- a Santa Fe, N. Mex.
- a Hot Springs, Ark.
- z Willmar, Minn.
- a Poplar Bluff, Mo.
- a Jefferson City, Mo.
- a Aberdeen, Wash.
- d Guatemala City, Guat.
- a Laurel, Miss.
- a Wilkes-Barre, Pa.
- a Pittsfield, Mass.
- z Welch, W. Va.
- a Joliet, Ill.
- a Ashland, Ky.
- a El Paso, Texas
- a West Point, Ga.
- a Marquette, Mich.
- a Buffalo, N. Y.
- a Milwaukee, Wis.
- a Royal Oak, Mich.
- a Altoona, Pa.
- a Flint, Mich.
- z Wisconsin Rapids, Wis.
- a Sumter, S. C.
- a Athens, Ga.
- a Newport News, Va.
- a Wilson, N. C.
- a Philadelphia, Pa.
- z Washington, D. C.
- z Springfield, Ohio
- z Herrin, Ill.
- z Greenville, Miss.
- z Lakeland, Fla.
- z Grand Rapids, Mich.

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Irvin Faulkner, Ch. Op.  
C. B. Baxter, Mgr.  
De Witt Landis, Mgr.  
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Clark Standiford, Mgr.  
John Bennett, Mgr.  
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M. H. Bonebrake, Mgr.  
S. L. Patterson, Mgr.  
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W. R. Nichols, Ch. Eng.  
Wayne Boothe, Annc'r.  
Karl O. Wyler, Mgr.  
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M. M. Marget, Mgr.  
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Paul W. Holton, Eng.  
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Albert Zink, Mgr.  
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Kirk Knight, Prog. Dir.  
Roy Thompson, Eng.  
F. S. Loeb, Mgr.  
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J. Samuel Brody  
A. Lynne Brannen  
Edward Bishop, Gen. Mgr.  
Jack Hudson, Ch. Eng.  
Julius Geise, Ch. Eng.  
.....  
.....  
Powell Hunter, Ch. Eng.  
John R. Pepper  
.....

**RADEX**

|      |     |          |   |                      |
|------|-----|----------|---|----------------------|
| WLBC | ... | 250      | a | Muncie, Ind.         |
| WLBH | ... | 250      | a | Bowling Green, Ky.   |
| WLNH | M   | 250      | a | Laconia, N. H.       |
| WMBO | ... | 250      | a | Auburn, N. Y.        |
| WMFF | B   | 250      | a | Plattsburg, N. Y.    |
| WNBH | MX  | 100(2.5) | a | New Bedford, Mass.   |
| WRAW | N   | 250      | a | Reading, Pa.         |
| WROL | NXZ | 250      | a | Knoxville, Tenn.     |
| WSAJ | G3  | 100      | a | Grove City, Pa.      |
| WSAV | N   | 250      | a | Savannah, Ga.        |
| WSGN | BE  | 250      | a | Birmingham, Ala.     |
| WSJS | MN  | 250      | a | Winston-Salem, N. C. |
| WSOY | ... | 250      | a | Decatur, Ill.        |
| WSTV | GP3 | 250      | z | Steubenville, Ohio   |
| WTAL | ... | 100(2.5) | a | Tallahassee, Fla.    |
| WTEL | 4   | 100      | a | Philadelphia, Pa.    |
| WTJS | ... | 250      | a | Jackson, Tenn.       |
| WTRC | ... | 250      | a | Elkhart, Ind.        |
| XEAG | ... | 250      | z | Cordoba, Ver. C.     |
| XEFW | ... | 300      | a | Tampico, Tam.        |
| XETB | ... | 500      | a | Torreón, Coah.       |
| XEX  | ... | 500      | a | Monterrey, N. L.     |
| .... | P   | 250      | z | Washington, D. C.    |

Donald A. Burton  
 ....  
 Kenneth Taylor, Ch. Eng.  
 Herbert House, Ch. Eng.  
 John Nazak, Ch. Eng.  
 J. Vermilya  
 M. Leonard Savage  
 L. Strunk  
 Herbert Harmon, Mgr.  
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 Richard Kingston, Prog. Dir.  
 ....  
 B. C. Rummell, Ch. Eng.  
 R. R. Baker, Mgr.  
 Diodoro Zuniga  
 Aurelio G. Zaragoza  
 ....  
 ....

**1320 kcs. (227.1 m.)**

|      |       |         |   |                    |
|------|-------|---------|---|--------------------|
| CMHQ | ...   | 200     | z | Canta Clara, Cuba  |
| KGHF | B     | 500     | a | Pueblo, Colo.      |
| KGM  | BCMZX | 1000    | a | Honolulu, Hawaii   |
| KID  | ...   | 500(1)  | a | Idaho Falls, Idaho |
| KRNT | C     | 1000(5) | a | Des Moines, Iowa   |
| WADC | CX    | 1000(5) | a | Akron, Ohio        |
| WORK | N     | 1000    | a | York, Pa.          |
| WSMB | R     | 500     | a | New Orleans, La.   |

....  
 J. H. McGill, Pub. Dir.  
 Webley Edwards, Mgr.  
 Jack Duckworth, Mgr.  
 Edmund Linehan, Prog. Dir.  
 Robert Wilson  
 J. E. Mathiot, Ch. Eng.  
 H. G. Nebe, Ch. Eng.

**1330 kcs. (225.4 m.)**

|      |     |         |   |                      |
|------|-----|---------|---|----------------------|
| CMJL | ... | 200     | z | Nuevitás, Cuba       |
| KGB  | M   | 1 000   | a | San Diego, Calif.    |
| KMO  | M   | 1000    | a | Tacoma, Wash.        |
| KRIS | N   | 500     | a | Corpus Christi, Tex. |
| KSCJ | NX  | 1000(5) | a | Sioux City, Iowa     |
| WDRC | C   | 5000    | g | Hartford, Conn.      |
| WSAI | MX  | 1000(5) | a | Cincinnati, Ohio     |
| WTAQ | CX  | 1000(5) | a | Green Bay, Wis.      |
| XEBO | ... | 1000    | a | Irapuato, Gto.       |

....  
 David R. Young, Prog. Dir.  
 Carl E. Haymond  
 T. Frank Smith, Mgr.  
 C. W. Corkhill, Mgr.  
 Italo Martino, Ch. Eng.  
 Bill Bailey, Pub. Dir.  
 Alfonso Martinez

**1340 kcs. (223.7 m.)**

|      |     |        |   |                     |
|------|-----|--------|---|---------------------|
| KDTH | DP  | 500    | z | Dubuque, Iowa       |
| KFRO | ... | 1000   | a | Longview, Tex.      |
| KGIR | EN  | 5000   | a | Butte, Mont.        |
| KGNO | ... | 250(1) | b | Dodge City, Kans.   |
| WCOA | N   | 500(1) | a | Pensacola, Fla.     |
| WFEA | MN  | 500(1) | a | Manchester, N. H.   |
| WFNC | D   | 250    | a | Fayetteville, N. C. |
| WSPD | R   | 5000   | a | Toledo, Ohio        |
| WPAB | ... | 1000   | a | Ponce, Puerto Rico  |
| XEAP | ... | 50     | z | Obregon, Son.       |
| XEBJ | ... | 100    | a | Victoria, Tam.      |
| XEBS | ... | 200    | z | Mexico City, D. F.  |
| XEBW | ... | 250    | a | Chihuahua, Chih.    |
| XEDH | ... | 200    | z | Villa Acuna, Coah.  |
| XEFC | ... | 100    | a | Merida, Yuc.        |
| XELW | ... | 250    | z | Guadalajara, Jal.   |

....  
 Harold C. Johnson, Mgr.  
 E. B. Craney, Mgr.  
 N. C. Peterson, Mgr.  
 ....  
 ....  
 ....  
 ....  
 Emilio Manzanilla  
 Fernando Elizalde  
 Maria Remedios Delgado  
 ....  
 Vicente Hernandez  
 Julio Molina Font  
 ....

**1350 kcs. (222.1 m.)**

|      |     |           |   |                    |
|------|-----|-----------|---|--------------------|
| CMC  | ... | 200       | a | Havana, Cuba       |
| CMCA | ... | 200       | a | Havana, Cuba       |
| CMKB | ... | 200       | z | Puerto Padre, Cuba |
| KIDO | N   | 1000(2.5) | a | Boise, Idaho       |
| KWK  | BM  | 1000(5)   | a | St. Louis, Mo.     |
| WAWZ | 2   | 1000      | a | Zarephath, N. J.   |
| WBNX | 2   | 5000      | a | New York, N.-Y.    |
| WMBG | R   | 1000(5)   | a | Richmond, Va.      |

J. M. Gonzalez, Dir.  
 C. G. Phillips, Mgr.  
 Clarence Cosby, Mgr.  
 ....  
 Wifred H. Wood

**1360 kcs. (220.4 m.)**

|      |     |     |   |                      |
|------|-----|-----|---|----------------------|
| CMJH | ... | 200 | d | Ciego de Avila, Cuba |
| KCRC | EM  | 250 | a | Enid, Okla.          |

Luis Marauri H.  
 Wm. Butterfield, Annc'r.

|      |     |          |
|------|-----|----------|
| KGFR | ... | 1000     |
| KLPM | ... | 500 (1)  |
| KSLM | M   | 1000     |
| WCSC | C   | 500 (1)  |
| WFBL | CX  | 1000 (5) |
| WGES | 2   | 500 (1)  |
| WQBC | D   | 1000     |
| WSBT | C2  | 500      |

|   |                    |
|---|--------------------|
| 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.   |

Jay Tapp, Ch. Eng.  
Richard Schmidt, Mgr.  
Clyde Wiegand, Ch. Eng.  
J. M. Weaver, Ch. Eng.  
M. Wilcox  
.....  
.....  
.....

**1370 kcs. (218.8 m.)**

|      |      |           |
|------|------|-----------|
| CFAR | ...  | 100       |
| CFOS | ...  | 100       |
| CJOC | F    | 100       |
| CKCW | F    | 100       |
| CKRN | ...  | 250       |
| CMGE | ...  | 200       |
| HIZ  | ...  | 75        |
| KELD | ...  | 250       |
| KENO | P    | 100 (.25) |
| KERN | BEXZ | 100       |
| KEVR | 3    | 100       |
| KFGO | D    | 100       |
| KFPW | ...  | 250       |
| KFVS | ...  | 250       |
| KGFL | 4    | 100       |
| KGFL | ...  | 100       |
| KICA | ...  | 100       |
| KIUN | ...  | 100       |
| KIUP | X    | 100       |
| KLUF | ...  | 250       |
| KMAC | 5    | 250       |
| KOBH | ...  | 250       |
| KOH  | NXZ  | 500       |
| KOKO | ...  | 100       |
| KONO | 5    | 250       |
| KORN | ...  | 250       |
| KRE  | ...  | 250       |
| KRKO | 3    | 50        |
| KRMC | ...  | 250       |
| KTEM | M    | 250       |
| KTOK | EMN  | 250       |
| KTSW | M    | 250       |
| KTUC | CE   | 250       |
| KUJ  | G    | 100       |
| KVFD | ...  | 250       |
| KVGB | ...  | 250       |
| KVRS | ...  | 250       |
| KWLK | ...  | 250       |
| KWYO | ...  | 250       |
| KYAN | P    | 250       |
| WABY | BM   | 100 (.25) |
| WAGF | D    | 250       |
| WARM | ...  | 250       |
| WATL | M    | 250       |
| WATW | ...  | 100       |
| WBLK | N    | 250       |
| WBNY | 2    | 250       |
| WBTH | ...  | 250       |
| WBTM | ...  | 100 (.25) |
| WCBI | P    | 250       |
| WCBM | ...  | 250       |
| WCNC | ...  | 250       |
| WCOS | ...  | 250       |
| WDAS | ...  | 250       |
| WDEF | P    | 250       |
| WDWS | ...  | 250       |
| WEOA | C    | 250       |
| WFOR | ...  | 100       |
| WFTL | ...  | 250       |
| WGBR | ...  | 250       |
| WGL  | N    | 250       |
| WGRC | M    | 250       |
| WHBO | ...  | 100       |
| WHDF | ...  | 250       |
| WHKY | ...  | 250       |
| WHLB | C    | 250       |
| WHLS | ...  | 250       |
| WHUB | ...  | 250       |
| WIBM | B    | 250       |

|   |                       |
|---|-----------------------|
| a | Flin Flon, Man.       |
| z | Owen Sound, Ont.      |
| a | Lethbridge, Alta.     |
| a | Moncton, N. B.        |
| z | Rouyn, P. Q.          |
| a | Cardenas, Cuba        |
| z | Trujillo, D. R.       |
| z | El Dorado, Ark.       |
| z | Las Vegas, Nev.       |
| a | Bakersfield, Calif.   |
| a | Seattle, Wash.        |
| a | Boone, Iowa           |
| a | Fort Smith, Ark.      |
| a | Cape Girardeau, Mo.   |
| a | Roswell, N. Mex.      |
| a | San Angelo, Texas     |
| a | Clovis, N. Mex.       |
| a | Pecos, Texas          |
| a | Durango, Colo.        |
| a | Galveston, Tex.       |
| a | San Antonio, Tex.     |
| a | Rapid City, S. Dak.   |
| a | Reno, Nev.            |
| a | La Junta, Colo.       |
| a | San Antonio, Tex.     |
| a | Fremont, Nebr.        |
| a | Berkeley, Calif.      |
| a | Everett, Wash.        |
| a | Jamestown, N. Dak.    |
| a | Temple, Texas         |
| a | Oklahoma City, Okla.  |
| a | Emporia, Kans.        |
| a | Tucson, Ariz.         |
| a | Walla Walla, Wash.    |
| a | Fort Dodge, Iowa      |
| a | Great Bend, Kans.     |
| a | Rock Springs, Wyo.    |
| a | Longview, Wash.       |
| a | Sheridan, Wyo.        |
| z | Cheyenne, Wyo.        |
| a | Albany, N. Y.         |
| a | Dothan, Ala.          |
| a | Scranton, Pa.         |
| a | Atlanta, Ga.          |
| a | Ashland, Wis.         |
| a | Clarksburg, W. Va.    |
| a | Buffalo, N. Y.        |
| z | Williamson, W. Va.    |
| a | Danville, Va.         |
| z | Columbus, Miss.       |
| a | Baltimore, Md.        |
| z | Elizabeth City, N. C. |
| a | Columbia, S. C.       |
| a | Philadelphia, Pa.     |
| z | Chattanooga, Tenn.    |
| a | Champaign, Ill.       |
| a | Evansville, Ind.      |
| a | Hattiesburg, Miss.    |
| a | Ft. Lauderdale, Fla.  |
| a | Goldsboro, N. C.      |
| a | Fort Wayne, Ind.      |
| a | New Albany, Ind.      |
| a | Memphis, Tenn.        |
| a | Calumet, Mich.        |
| a | Hickory, N. C.        |
| a | Virginia, Minn.       |
| a | Port Huron, Mich.     |
| a | Cookeville, Tenn.     |
| a | Jackson, Mich.        |

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.....  
J. O. Tardif, Mgr.  
Genero Sebater  
Frank Hatton  
F. E. Bols  
.....  
Robert Stoddard, Mgr.  
Arthur Dailey, Mgr.  
.....  
.....  
E. Whitmore, Mgr.  
Earle Yates, Mgr.  
Chas. C. Alsup, Mgr.  
Jack Hawkins, Mgr.  
Ray Beckner, Mgr.  
Lawrence Yates, Mgr.  
Howard Davis, Mgr.  
Robert Dean, Mgr.  
Merle Snider  
Leonard Wilson  
ugene Roth, Mgr.  
.....  
Arthur Westlund, Mgr.  
Lee Mudgett  
Frank Gillespie Prog. Dept.  
Burton Bishop, Mgr.  
Joseph Lee, Mgr.  
K. W. Trimble, Gen. Mgr  
Frank Howe, Mgr.  
H. E. Studebaker, Mgr.  
.....  
Ken Nielson, Mgr.  
.....  
H. W. Siebert, Mgr.  
.....  
Harold Smith, Mgr.  
Julian Smith, Mgr.  
.....  
.....  
.....  
Roy Albertson  
.....  
.....  
.....  
Lewis Hiland, Ch. Eng.  
.....  
Harold Davis, Prog. Dir.  
.....  
.....  
Tom M. Bryan  
.....  
.....  
Jack Gardner, Ch. Eng.  
.....  
.....  
Vernon Baumgartner  
Angus Pfaff, Mgr.  
M. L. Medley  
W. H. Dunn, Prog. Dir.



RADEX

|      |     |          |
|------|-----|----------|
| WISE | N   | 250      |
| WJAC | R   | 250      |
| WJHO | ... | 100(.25) |
| WKPT | ... | 250      |
| WLLH | S   | 10-100   |
| WLLH | MS  | 250      |
| WMAN | ... | 250      |
| WMBR | C   | 250      |
| WMFD | ... | 100(.25) |
| WMGA | ... | 250      |
| WMIN | ... | 250      |
| WMSL | E   | 250      |
| WOC  | C   | 250      |
| WORD | P   | 250      |
| WPAY | X   | 100      |
| WRAK | ... | 250      |
| WRDO | MN  | 100      |
| WRJN | ... | 250      |
| WSAU | ... | 250      |
| WSLB | ... | 250      |
| WSVS | GZ  | 50       |
| WTCM | P   | 250      |
| WTSP | ... | 250      |
| XECZ | ... | 100      |
| XEI  | ... | 125      |
| XELZ | ... | 100      |

|   |                           |
|---|---------------------------|
| z | Asheville, N. C.          |
| a | Johnstown, Pa.            |
| a | Opelika, Ala.             |
| a | Kingsport, Tenn.          |
| a | Lawrence, Mass.           |
| a | Lowell, Mass.             |
| a | Mansfield, Ohio           |
| a | Jacksonville, Fla.        |
| a | Wilmington, N. C.         |
| z | Moultrie, Ga.             |
| a | St. Paul, Minn.           |
| a | Decatur, Ala.             |
| a | Davenport, Iowa           |
| z | Spartanburg, S. C.        |
| a | Portsmouth, Ohio          |
| a | Williamsport, Pa.         |
| a | Augusta, Maine            |
| a | Racine, Wis.              |
| a | Wausau, Wis.              |
| a | Ogdensburg, N. Y.         |
| z | Buffalo, N. Y.            |
| z | Traverse City, Mich.      |
| z | St. Peterburg, Fla.       |
| z | San Luis Potosi, S. L. P. |
| a | Morella, Micho.           |
| z | Mexico City, D. F.        |

Harold H. Shoms  
 ....  
 Robert Donahue  
 ....  
 Robert Donahue  
 ....  
 H. B. Greene, Ch. Eng.  
 Richard Dunlea  
 Frank R. Pidcock  
 ....  
 Allen R. Richter  
 ....  
 Maurice L. Myers  
 ....  
 J. Mitchell  
 ....  
 ....  
 H. C. Bieda  
 ....  
 Zeferino Z. Jimenez  
 Carlos Gutierrez  
 Maria Gardena de Zetina

1380 kcs. (217.3 m.)



|      |     |         |
|------|-----|---------|
| KOY  | ... | 1000    |
| WALA | CX  | 500(1)  |
| WING | N   | 250(.5) |
| WKBH | C   | 1000    |
| WNBC | B   | 1000    |

|   |                    |
|---|--------------------|
| a | Pittsburgh, Pa.    |
| a | Mobile, Ala.       |
| a | Dayton, Ohio       |
| a | La Crosse, Wis.    |
| a | New Britain, Conn. |

J. J. Laux, Mgr.  
 W. O. Pape, Mgr.  
 M. S. Gilkerson, Ass't. Eng.  
 ....  
 Rogers B. Holt, Ch. Eng.

1390 kcs. (215.7 m.)



|      |      |         |
|------|------|---------|
| CMJC | ...  | 200     |
| KABR | X    | 500(1)  |
| KLRA | C    | 1000(5) |
| KRLC | X    | 250     |
| WFCI | P    | 1000    |
| WHK  | KBMX | 1000(5) |
| WQDM | AD   | 1000    |
| XEM  | ...  | 500     |

|   |                   |
|---|-------------------|
| z | Camaguey, Cuba    |
| a | Aberdeen, S. Dak. |
| a | Little Rock, Ark. |
| a | Lewiston, Idaho   |
| z | Pawtucket, R. I.  |
| a | Cleveland, Ohio   |
| f | St. Albans, Vt.   |
| z | Chihuahua, Chlh.  |

Miguel Guillen Perez  
 W. L. Dean, Prog. Dir.  
 S. C. Vinsonhater, Mgr.  
 Donald H. Wike, Mgr.  
 ....  
 E. L. Gove, Tech. Sup.  
 ....

1400 kcs. (214.2 m.)



|      |     |      |
|------|-----|------|
| CMAR | ... | 200  |
| CMKR | ... | 200  |
| KLO  | B   | 5000 |
| KTUL | C   | 5000 |
| TXG  | ... | ...  |
| WARD | 2   | 500  |
| WBBC | 2   | 500  |
| WIRE | MR  | 5000 |
| WLTH | 2   | 500  |
| WVFW | 2   | 500  |
| XEA  | ... | 250  |
| XEAJ | ... | 100  |
| XEAU | A   | 250  |
| XEDE | ... | 100  |
| XEDS | ... | 250  |
| XEPP | ... | 150  |

|   |                       |
|---|-----------------------|
| 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 | Indianapolis, Ind.    |
| a | New York, N. Y.       |
| a | Brooklyn, N. Y.       |
| z | Campeche, Cam.        |
| z | Navojoa, Son.         |
| z | Tijuana, B. Cfa.      |
| z | Torreon, Coah.        |
| z | Mazatan, Sin.         |
| z | Orizaba, Ver. Ca.     |

....  
 Jaime Nadal  
 Paul R. Heitmeyer  
 W. C. Gillespie  
 ....  
 Aron Kronenberg  
 Bert Child, Prog. Dir.  
 Earl Lewis, Ch. Eng.  
 ....  
 ....  
 ....  
 ....  
 ....

1410 kcs. (212.5 m.)



|      |     |           |
|------|-----|-----------|
| CKFC | 2   | 50        |
| CKMO | 2   | 100       |
| CMBY | ... | 200       |
| CMCQ | ... | 200       |
| KFJM | ... | 500(1)    |
| KGNC | N   | 1000(2.5) |
| KMED | N   | 250(1)    |
| WAAB | EM  | 1000      |
| WBCM | ... | 500(1)    |
| WHIS | ... | 500(1)    |
| WROK | M   | 500(1)    |
| WSFA | CE  | 500(1)    |

|   |                      |
|---|----------------------|
| a | Vancouver, B. C.     |
| a | Vancouver, B. C.     |
| a | Havana, Cuba         |
| 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.     |

....  
 Pedro Marti, Ch. Eng.  
 Andres Martinez  
 Dalton Le Masurier, Mgr.  
 O. L. Taylor, Mgr.  
 ....  
 E. A. Donaher  
 ....  
 Edw. L. Ketts  
 ....  
 ....

1420 kcs. (211.1 m.)

|      |     |           |
|------|-----|-----------|
| CBY  | F   | 100       |
| CHLN | ... | 100       |
| CHNB | P   | 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 | ... | 250       |
| KFAM | EN  | 250       |
| KFBC | P   | 100 (.25) |
| KFIZ | E   | 100       |
| KGFF | EM  | 250       |
| KGIW | 3   | 100       |
| KGLU | ... | 250       |
| KIDW | 3   | 100       |
| KLBM | ... | 250       |
| KMYC | P   | 100       |
| KORE | M   | 250       |
| KRBC | M   | 250       |
| KRBM | EN  | 250       |
| KRIC | ... | 250       |
| KRLH | ... | 100       |
| KSAN | ... | 250       |
| KTRI | ... | 250       |
| KVAK | ... | 100       |
| KWAL | ... | 100 (.25) |
| KWBG | X   | 100       |
| KXL  | 4   | 250       |
| WACO | CM  | 250       |
| WAGM | ... | 100       |
| WAOV | P   | 100       |
| WAPZ | NXZ | 250       |
| WAZL | M   | 250       |
| WBML | P   | 250       |
| WCBS | N   | 250       |
| WCHV | ... | 250       |
| WEED | ... | 250       |
| WELL | BX  | 100       |
| WFMJ | ... | 250       |
| WFPG | ... | 100 (.25) |
| WGNC | ... | 250       |
| WGOV | ... | 100 (.25) |
| WGPC | X   | 100       |
| WHDL | ... | 250       |
| WHFC | ... | 250       |
| WHMA | ... | 250       |
| WILM | ... | 250       |
| WJMS | ... | 250       |
| WKIP | ... | 250       |
| WLAP | M   | 250       |
| WLEU | B   | 250       |
| WLPM | ... | 250       |
| WMAS | C   | 250       |
| WMBC | ... | 250       |
| WMBH | ... | 250       |
| WMBS | XZ  | 250       |
| WFMJ | ... | 250       |
| WMSD | X   | 250       |
| WMVA | P   | 100 (.25) |
| WNAB | P   | 250       |
| WNOE | ... | 250       |
| WPAD | ... | 250       |
| WPAR | C   | 100       |
| WPRP | XZ  | 250       |
| WSLI | ... | 250       |
| WSPB | ... | 250       |
| .... | P   | 250       |

|   |                          |
|---|--------------------------|
| a | Toronto, Ont.            |
| z | Three Rivers, P. Q.      |
| z | North Battleford, Sask.  |
| 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.         |
| z | Cheyenne, Wyo.           |
| a | Fond du Lac, Wis.        |
| a | Shawnee, Okla.           |
| a | Alamosa, Colo.           |
| a | Safford, Ariz.           |
| a | Lamar, Colo.             |
| z | La Grande, Ore.          |
| z | Marysville, Calif.       |
| 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.          |
| a | Wallace, Idaho           |
| a | Hutchinson, Kans.        |
| b | Portland, Ore.           |
| b | Waco, Texas              |
| a | Presque Isle, Maine      |
| z | Vincennes, Ind.          |
| a | Chattanooga, Tenn.       |
| a | Hazleton, Pa.            |
| z | Macona, La.              |
| a | Springfield, Ill.        |
| a | Charlottesville, Va.     |
| a | Rocky Mount, N. C.       |
| a | Battle Creek, Mich.      |
| a | Youngstown, Ohio         |
| a | Atlantic City, N. J.     |
| z | Gastonia, N. C.          |
| a | Valdosta, Ga.            |
| a | Albany, Ga.              |
| a | Olean, N. Y.             |
| a | Cicero, Ill.             |
| a | Anniston, Ala.           |
| a | Wilmington, Del.         |
| a | Ironwood, Mich.          |
| a | Poughkeepsie, N. Y.      |
| a | Lexington, Ky.           |
| a | Erie, Pa.                |
| a | Suffolk, Va.             |
| a | Springfield, Mass.       |
| a | Detroit, Mich.           |
| a | Joplin, Mo.              |
| a | Uniontown, Pa.           |
| a | Daytona Beach, Fla.      |
| a | Muscle Shoals City, Ala. |
| z | Martinsville, Va.        |
| z | Bridgeport, Conn.        |
| a | New Orleans, La.         |
| a | Paducah, Ky.             |
| a | Parkersburg, W. Va.      |
| a | Ponce, Puerto Rico       |
| a | Jackson, Miss.           |
| a | Sarasota, Fla.           |
| z | Augusta, Ga.             |

Leon Trepanier, Ch. Eng.  
 ....  
 Hume Lethbridge, Mgr.  
 Cesar Canals  
 Chas. Belfi, Prog. Dir.  
 Geo. Russell, Prog. Dir.  
 Wm. Allingham, Mgr.  
 W. T. Casper, Prog. Dir.  
 Jack Wallace, Prog. Dir.  
 Sam G. Weiss  
 Geo. Bairey, Mgr.  
 Lynn B. Fairbanks, Mgr.  
 Ross Porter, Mgr.  
 E. L. Allen  
 ....  
 Sherrill Ellsworth, Mgr.  
 Paul E. Walden, Ch. Eng.  
 ....  
 Frank Hill, Mgr.  
 Max Bentley, Mgr.  
 ....  
 Thomas Belzel, Mgr.  
 S. H. Paterson, Mgr.  
 Dietrich Dirks, Mgr.  
 ....  
 W. B. Greenwald, Mgr.  
 T. W. Symons, Jr. Mgr.  
 James W. Pate, Mgr.  
 R. W. Macintosh Mgr.  
 ....  
 R. G. Patterson, Mgr.  
 Edward Beisel, Prog. Dir.  
 ....  
 Wm. Avera Wynne  
 ....  
 F. C. Todd, Mgr.  
 ....  
 Edwin Mullinax  
 ....  
 Winston L. Clark, Mgr.  
 Jack Siegel  
 ....  
 E. H. Clark, Ch. Eng.  
 ....  
 Chas. McClane, Eng.  
 W. Wright Esch  
 ....  
 Julio M. Conesa  
 G. G. Benson, Ch. Eng.  
 ....

1430 kcs. (209.7 m.)

|      |     |      |
|------|-----|------|
| CJGX | F   | 1000 |
| CMKZ | ... | 200  |
| KGNF | D   | 1000 |

|   |                     |
|---|---------------------|
| a | Yorkton, Sask.      |
| z | Palma Soriano, Cuba |
| a | North Platts, Nebr. |

A. L. Garside, Mgr.  
 Joaquin Venero Obregon  
 J. B. Eaves, Eng.

RADEX

|      |     |         |   |                    |
|------|-----|---------|---|--------------------|
| KINY |     | 1000    | a | Juneau, Alaska     |
| KSO  | BM  | 1000(5) | a | Des Moines, Iowa   |
| WBNS | C   | 1000(5) | a | Columbus, Ohio     |
| WHCC | C   | 500(1)  | a | Rochester, N. Y.   |
| WHP  | C   | 1000(5) | a | Harrisburg, Pa.    |
| WMP5 | B   | 500(1)  | a | Memphis, Tenn.     |
| WOKO | CK  | 500(1)  | a | Albany, N. Y.      |
| XERH | ... | 500     | z | Mexico City, D. F. |

C. B. Arnold, Mgr.  
Edmund Linehan, Prog. Dir.  
.....  
R. S. Duncan, Ch. Eng.  
.....  
H. E. Smith

1440 kcs. (208.2 m.)

|      |     |         |   |                   |
|------|-----|---------|---|-------------------|
| CKGB | F   | 1000    | a | Timmins, Ont.     |
| KDFN | ... | 500     | a | Casper, Wyo.      |
| KELA | M   | 1000    | a | Centralia, Wash.  |
| KXYZ | BM  | 1000    | a | Houston, Texas    |
| WBIG | C   | 1000(5) | a | Greensboro, N. C. |
| WCBA | a   | 500     | a | Allentown, Pa.    |
| WMBD | aC  | 1000(5) | a | Peoria, Ill.      |
| WSAN | aN  | 500     | a | Allentown, Pa.    |
| XEFI | ... | 1000    | a | Chihuahua, Chih.  |

R. H. Thomson  
  
J. Elroy McCaw, Mgr.  
T. Frank Smith, Mgr.  
Edney Ridge  
.....  
F. A. Giles, Tech. Dir.  
Geo. G. Snyder Prog. Dir.  
Feliciano Lopez Islas

1450 kcs. (206.8 m.)

|      |     |         |   |                       |
|------|-----|---------|---|-----------------------|
| CFCT | ... | 500     | a | Victoria, B. C.       |
| CHGS | F   | 50      | f | Summerside, P. E. I.  |
| CMHM | ... | 200     | z | Cienfuegos, Cuba      |
| HRN  | ... | 500     | b | Tegucigalpa, Hond.    |
| KCMO | ... | 1000(5) | a | Kansas City, Mo.      |
| KGCC | ... | 1000    | a | Wolf Point, Mont.     |
| KIEM | M   | 500(1)  | a | Eureka, Calif.        |
| KTBS | NZ  | 1000    | a | Shreveport, La.       |
| TGO  | ... | 200     | a | Quezaltenango, Guat.  |
| WAGA | B   | 500(1)  | a | Atlanta, Ga.          |
| WGAR | C   | 1000(5) | a | Cleveland, Ohio       |
| WHOM | X   | 250     | a | Jersey City, N. J.    |
| WSAR | M   | 1000    | f | Fall River, Mass.     |
| XEDJ | ... | 100     | z | Magdalena, Son.       |
| XEF  | ... | 100     | a | Juarez, Chih.         |
| XERK | ... | 100     | z | Tepic, Nay.           |
| XEY  | ... | 250     | z | San Luis Rio Colonia, |

.....  
R. T. Holman  
Jose R. Feminias  
.....  
Lee Roberts, Prog. Dir.  
Milton J. Severson, Mgr.  
Wm. B. Smullin Mgr.  
John McCormack, Mgr.  
.....  
Jess Swicegood  
R. M. Pierce, Ch. Eng.  
.....  
Gilberto Gil  
.....  
Son.

1460 kcs. (205.4 m.)

|      |     |       |   |                   |
|------|-----|-------|---|-------------------|
| CMKF | ... | 250   | z | Holguin, Cuba     |
| KSTP | R   | 50000 | z | St. Paul, Minn.   |
| WJSV | C   | 50000 | a | Washington, D. C. |

Manuel J. De Gongora  
Stanley Hubbard, Mgr.  
Harry R. Crow; Clyde Hunt

1470 kcs. (204 m.)

|      |      |      |   |                  |
|------|------|------|---|------------------|
| CMCX | ...  | 200  | z | Havana, Cuba     |
| HISQ | 1475 | 100  | z | Trujillo, D. R.  |
| KGA  | BM   | 5000 | a | Spokane, Wash.   |
| WLAC | ...  | 5000 | a | Nashville, Tenn. |

L. Sanchez  
Julio A. Garcia  
A. L. Smith, Mgr.  
J. T. Ward

1480 kcs. (202.6 m.)

|      |     |      |   |                      |
|------|-----|------|---|----------------------|
| CMHX | ... | 200  | a | Cienfuegos, Cuba     |
| KOMA | C   | 5000 | a | Oklahoma City, Okla. |
| WHIP | D   | 5000 | z | Hammond, Ind.        |
| WKBW | CM  | 5000 | a | Buffalo, N. Y.       |

J. Garcia R.  
Haymond Ramsey  
Elmer Herkner  
.....

1490 kcs. (201.2 m.)

|      |     |       |   |                    |
|------|-----|-------|---|--------------------|
| CMKQ | E   | 1000  | z | Santiago de Cuba   |
| KFBK | BE  | 10000 | a | Sacramento, Calif. |
| WCKY | C   | 50000 | a | Cincinnati, Ohio   |
| XECH | ... | 250   | z | Toluca, Mex.       |
| XEDR | ... | 100   | z | Guavmas, Son.      |
| XEJR | ... | 100   | z | Parral, Chih.      |

Marlo Abril Dúmois  
Marjorie Jamison  
C. H. Topmiller, Ch. Eng.  
.....  
Modeste Ortega  
.....

1500 kcs. (199.9 m.)

|      |     |     |   |                        |
|------|-----|-----|---|------------------------|
| CJIC | F   | 100 | a | Sault Ste. Marie, Ont. |
| KAWM | ... | 100 | a | Gallup, N. Mex.        |
| KBIX | EM  | 100 | a | Muskogee, Okla.        |
| KBKR | ... | 250 | a | Baker, Ore.            |
| KBST | M   | 100 | a | Big Spring, Texas      |

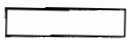
J. C. Whitby  
A. W. Mills  
J. H. Speck, Mgr.  
Louis P. Thornton  
Mary V. Keneaster, Prog. Dir.

KDAL C 250  
 KDB EM 250  
 KDRO ... 100 (.25)  
 KFDA M 100  
 KGKY ... 250  
 KNEL D 250  
 KNOW M 250  
 KOTN ... 250  
 KOVC ... 250  
 KPAB ... 250  
 KPLC ... 250  
 KPLT ... 250  
 KPQ M 250  
 KRNR M 100 (.25)  
 KROD ... 250  
 KTOH ... 250  
 KUTA N 250  
 KVOG MX 100  
 KWVC ... 250  
 KWWE ... 100  
 KXO M 100  
 KYCA ... 250  
 KYSM EN 250  
 WBOC P 250  
 WCNW 2 100 (.25)  
 WDNW ... 250  
 WDNC C 250  
 WERC P 100 (.25)  
 WGAL MN 250  
 WGIL ... 250  
 WGVV N 100  
 WGTC ... 250  
 WHBB ... 100  
 WJBK ... 250  
 WKAT XZ 250  
 WKBB N 250  
 WKBV ... 100 (.25)  
 WKBZ ... 250  
 WKEU D 100  
 WKNY ... 250  
 WMEX XZ 100 (.25)  
 WMJM P 100 (.25)  
 WMOG ... 100 (.25)  
 WMRC P 250  
 WMRN P 250  
 WNBK C 250  
 WNLC MX 100  
 WOLF ... 100  
 WOMI ... 250  
 WOPI ... 250  
 WRDW C 250  
 WRGA ... 250  
 WRTD BXZ 100  
 WSLP P 250  
 WSSJ P 250  
 WSTP M 250  
 WSYB M 250  
 WTMG ... 100  
 WTMV ... 250  
 WWRL G2 250  
 WWSW ... 250  
 XEQK ... 400  
 .... P 100 (.25)

a Duluth, Minn.  
 a Santa Barbara, Calif.  
 z Sedalia, Mo.  
 z Amarillo, 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.  
 a Roseburg, Ore.  
 a El Paso, Texas  
 a Lihue, Hawaii  
 a Salt Lake City, Utah  
 a Santa Ana, Calif.  
 z Vernon, Texas  
 a Hobbs, N. Mex.  
 a El Centro, Calif.  
 a St. Paul, Minn.  
 a Mankato, Minn.  
 z Salisbury, Md.  
 a Brooklyn, N. Y.  
 a Danville, Ill.  
 a Durham, N. C.  
 z Erie, Pa.  
 a Lancaster, Pa.  
 a Galesburg, Ill.  
 z Charleston, W. Va.  
 a 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.  
 a Kingston, N. Y.  
 a Boston, Mass.  
 z Cordele, Ga.  
 a Brunswick, Ga.  
 z Greenville, S. C.  
 z Marion, Ohio  
 a Binghamton, N. Y.  
 a New London, Conn.  
 a Syracuse, N. Y.  
 a Owensboro, Ky.  
 a Bristol, Tenn.  
 a Augusta, Ga.  
 a Rome, Ga.  
 z Richmond, Va.  
 z Roanoke, Va.  
 z San Juan, P. R.  
 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.  
 z Erie, Pa.

Gilbert Fawcett, Prog. Dir.  
 Earl Pollock, Mgr.  
 ....  
 G. L. Burns  
 ....  
 B. J. Parrish, Mgr.  
 Mark C. Crandall, Mgr.  
 Mervel M. Valentine  
 C. R. Porter, Mgr.  
 J. Bert Mitchell, Mgr.  
 Cole E. Wylie, Mgr.  
 Justin B. Toles, Mgr.  
 Dorrance D. Roderick  
 C. J. Fern, Jr.  
 Frank C. Carman, Mgr.  
 Ernest L. Spencer, Mgr.  
 Mrs. C. C. Minyard, Sec'y.  
 W. E. Whitmore  
 F. M. Bowles, Mgr.  
 ....  
 H. Kimberly, Ch. Eng.  
 ....  
 Arthur Faske  
 Perry W. Esten, Ch. Eng.  
 ....  
 Ernest Stanbiola  
 Paul Kalbfleisch  
 ....  
 Winifred Powers  
 ....  
 L. Carlson  
 ....  
 John R. McKenna  
 ....  
 z Cordele, Ga.  
 ....  
 David Bain, Ch. Eng.  
 ....  
 James R. Yost, Ch. Eng.  
 ....  
 F. S. Liggett, Ch. Eng.  
 ....

1510 kcs. (198.6 m.)

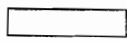


CFRC F 100  
 CKCR ... 100  
 CMCW ... 200  
 CMOX ... 200

a Kingston, Ont.  
 a Waterloo, Ont.  
 d Havana, Cuba  
 a Havana, Cuba

H. H. Stewart, Ch. Eng  
 G. Liddle  
 A. Puente, Dir.

1520 kcs. (197.3 m.)



TGW ... 5000

e Guatemala City, Guat.

L. Schlesinger Carrera, Dir.

# 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.*

|  |   |   |  |  |
|--|---|---|--|--|
| <p><b>ALABAMA</b></p> <p><b>Anniston</b> 1420<br/>WHMA</p> <p><b>Birmingham</b><br/>WAPI 1140<br/>WBRC 930<br/>WSGN 1310</p> <p><b>Decatur</b><br/>WMSL 1370</p> <p><b>Dothan</b><br/>WAGF 1370</p> <p><b>WJB</b> 1210<br/>Huntsville</p> <p><b>WBEP</b> 1200<br/>Mobile</p> <p><b>WALA</b> 1380<br/>WMOB 1200<br/>Montgomery</p> <p><b>WCOV</b> 1210<br/>WSFA 1410</p> <p><b>Opelika</b><br/>WJHO 1370</p> <p><b>Selma</b><br/>WHBB 1500<br/>Muscle Shoals<br/>City</p> <p><b>WMSD</b> 1420<br/>Tuscaloosa</p> <p>WJRD 1200</p> | <p><b>El Dorado</b><br/>KELD 1370<br/>Fort Smith<br/>KFPW 1370<br/>Hot Springs<br/>KTHS 1090<br/>KWFC 1310<br/>Jonesboro<br/>KBTM 1200<br/>Little Rock<br/>KARK 890<br/>KGHI 1200<br/>KLRA 1390<br/>Pine Bluff<br/>KOTN 1500<br/>Silvaam Springs<br/>KQOA 1260</p> <p style="text-align: center;"><b>CALIFORNIA</b></p> <p><b>Bakerfield</b><br/>KERN 1370<br/>KPMC 1550<br/>Berkeley<br/>KRE 1370<br/>Beverly Hills<br/>KMPC 710<br/>Chico<br/>KHSI 1260<br/>El Centro<br/>KXO 1500<br/>Eureka<br/>KIEM 1450<br/>Fresno<br/>KARM 1310<br/>KMJ 580<br/>Glendale<br/>KIEV 850<br/>Long Beach<br/>KFOX 1250<br/>KGER 1360<br/>Los Angeles<br/>KECA 780<br/>KFAC 1300<br/>KFI 640<br/>KFSG 1120<br/>KFVD 1000<br/>KFWB 950<br/>KGFJ 1200<br/>KHJ 900<br/>KMTR 870<br/>KNX 1050<br/>KRKD 1120<br/>Marysville<br/>KMYC 1420<br/>Merced<br/>KYOS 1040<br/>Modesto<br/>KTRB 740<br/>Monterey<br/>KDON 1210<br/>Oakland<br/>KLS 1280<br/>KLX 880<br/>KROW 930<br/>Pasadena<br/>KPPC 1210<br/>Redding<br/>KVCV 1200<br/>Sacramento<br/>KFBK 1490<br/>KROY 1210</p> | <p><b>San Bernardino</b><br/>KFXM 1210<br/>San Diego<br/>KFSD 600<br/>KGB 1330<br/>San Francisco<br/>KFRC 610<br/>KGO 790<br/>KJBS 1070<br/>KPO 680<br/>KSN 1420<br/>KSFO 660<br/>KYA 1230<br/>San Jose<br/>KQW 1010<br/>San Luis Obispo<br/>KVEC 1200<br/>Santa Ana<br/>KVOE 1500<br/>Santa Barbara<br/>KBD 1500<br/>KTMS 1220<br/>Santa Rosa<br/>KSRO 1310<br/>Stockton<br/>KGDH 1100<br/>KWG 1200<br/>Visalla<br/>KTKK 890<br/>Watsonville<br/>KHUB 1310</p> <p style="text-align: center;"><b>COLORADO</b></p> <p><b>Alamosa</b><br/>KGIW 1420<br/>Colorado Springs<br/>KVOR 1270<br/>Denver<br/>KFEL 920<br/>KLZ 560<br/>KMYR 1310<br/>KOA 820<br/>KPOF 880<br/>KVOD 630<br/>Durango<br/>KIUP 1370<br/>Grand Junction<br/>KXFJ 1200<br/>Greeley<br/>KFKA 880<br/>La Junta<br/>KOKO 1370<br/>Lamar<br/>KIDW 1420<br/>Pueblo<br/>KGHI 1320<br/>Sterling<br/>KGEK 1200</p> <p style="text-align: center;"><b>CONNECTICUT</b></p> <p><b>Bridgeport</b><br/>WICC 600<br/>WNAB 1420<br/>Hartford<br/>WDRG 1330<br/>WZIC 1040<br/>WTHT 1200<br/>New Britain<br/>WNBC 1380</p> | <p><b>New Haven</b><br/>WELH 930<br/>New London<br/>WNLC 1500<br/>Waterbury<br/>WATR 1290<br/>WBBY 1530</p> <p style="text-align: center;"><b>DELAWARE</b></p> <p><b>Wilmington</b><br/>WDEL 1120<br/>WILM 1420</p> <p style="text-align: center;"><b>DISTRICT OF COLUMBIA</b></p> <p><b>Washington</b><br/>WINX 1310<br/>WJSV 1460<br/>WMAL 630<br/>WOL 1230<br/>WRC 950</p> <p style="text-align: center;"><b>FLORIDA</b></p> <p><b>Daytona Beach</b><br/>WMEF 1420<br/>Ft. Lauderdale<br/>WFTL 1370<br/>Ft. Myers<br/>WFTM 1210<br/>Gainesville<br/>WRUF 830<br/>Jacksonville<br/>WJAX 900<br/>WJEP 1290<br/>WMBR 1370<br/>Lakeland<br/>WLAJ 1310<br/>Miami<br/>WIOD 610<br/>WQAM 560<br/>Miami Beach<br/>WKAT 1500<br/>Ocala<br/>WTMC 1500<br/>Orlando<br/>WDDB 580<br/>WLOF 1200<br/>Panama City<br/>WDLF 1200<br/>Pensacola<br/>WCOA 1340<br/>St. Augustine<br/>WFOY 1210<br/>St. Petersburg<br/>WSUN 620<br/>WTSP 1370<br/>Sarasota<br/>WSPB 1420<br/>Tallahassee<br/>WTAL 1310<br/>Tampa<br/>WDAB 1220<br/>WFLA 620<br/>West Palm Beach<br/>WJNO 1200</p> <p style="text-align: center;"><b>GEORGIA</b></p> <p><b>Albany</b><br/>WALB 1330<br/>WGPC 1420</p> | <p><b>Athens</b><br/>WGAU 1310<br/>Atlanta<br/>WAGA 1450<br/>WATL 1370<br/>WMBI 1080<br/>WGST 890<br/>WSB 740<br/>Augusta<br/>WGAC 1210<br/>WRDW 1500<br/>Brunswick<br/>WMOG 1500<br/>Columbus<br/>WRBL 1200<br/>Cordale<br/>WMJM 1500<br/>Gainesville<br/>WGGA 1210<br/>Griffin<br/>WKEU 1500<br/>Macon<br/>WBML 1420<br/>WMAZ 1180<br/>Moultrie<br/>WMGA 1370<br/>Rome<br/>WRGA 1500<br/>Savannah<br/>WSAV 1310<br/>WTOC 1260<br/>Thomasville<br/>WPAX 1210<br/>Valdosta<br/>WGOV 1420<br/>Waycross<br/>WAYX 1200<br/>West Point<br/>WDAK 1310</p> <p style="text-align: center;"><b>HAWAII</b></p> <p><b>Hilo</b><br/>KHCB 1200<br/>Honolulu<br/>KGMB 1320<br/>KGU 750<br/>Lihue<br/>KTOH 1508</p> <p style="text-align: center;"><b>IDAHO</b></p> <p><b>Boise</b><br/>KIDO 1350<br/>Idaho Falls<br/>KID 1320<br/>Lewiston<br/>KRLC 1390<br/>Nampa<br/>KFXD 1200<br/>Pocatello<br/>KSEL 900<br/>Twin Falls<br/>KTFF 1240<br/>Wallace<br/>KWAL 1420</p> <p style="text-align: center;"><b>ILLINOIS</b></p> <p><b>Aurora</b><br/>WMRO 1250<br/>Bloomington<br/>WJBC 1200<br/>Carthage<br/>WCAZ 1070<br/>Champaign<br/>WDWS 1370</p> |
|--|---|---|--|--|

**NORTH AMERICAN B. C. STATIONS BY LOCATIONS**

|                |      |
|----------------|------|
| Chicago        |      |
| WAAF           | 920  |
| WBMB           | 770  |
| WCB            | 1080 |
| WCFL           | 970  |
| WCRA           | 1210 |
| WEDC           | 1210 |
| WENR           | 870  |
| WGES           | 1360 |
| WGN            | 720  |
| WJJD           | 1130 |
| WLS            | 870  |
| WMAQ           | 670  |
| WMBI           | 1080 |
| WSBC           | 1210 |
| Cicero         |      |
| WHPC           | 1420 |
| Danville       |      |
| WDAN           | 1500 |
| Decatur        |      |
| WSOY           | 1310 |
| East St. Louis |      |
| WTMY           | 1500 |
| Galesburg      |      |
| WGIL           | 1500 |
| Harrisburg     |      |
| WEBQ           | 1210 |
| Herrin         |      |
| WJPF           | 1310 |
| Joliet         |      |
| WCLS           | 1310 |
| Peoria         |      |
| WMBD           | 1440 |
| Quincy         |      |
| WTAD           | 900  |
| Rockford       |      |
| WROK           | 1410 |
| Rock Island    |      |
| WHBF           | 1240 |
| Springfield    |      |
| WCBS           | 1420 |
| WTAX           | 1210 |
| Tuscola        |      |
| WDZ            | 1020 |
| Urbana         |      |
| WILL           | 580  |

**INDIANA**

|              |      |
|--------------|------|
| Anderson     |      |
| WBHU         | 1210 |
| Elkhart      |      |
| WTRC         | 1310 |
| Evansville   |      |
| WEOA         | 1370 |
| WGFB         | 880  |
| Fort Wayne   |      |
| WGL          | 1370 |
| WOWO         | 1160 |
| Gary         |      |
| WIND         | 560  |
| Hammond      |      |
| WHIP         | 1480 |
| WJOB         | 1200 |
| Indianapolis |      |
| WFEM         | 1230 |
| WIBC         | 1050 |
| WIRE         | 1400 |
| Muncie       |      |
| WLBC         | 1310 |
| New Albany   |      |
| WGRC         | 1370 |
| Richmond     |      |
| WKBY         | 1500 |
| South Bend   |      |
| WFAM         | 1200 |

|                |      |
|----------------|------|
| WSEB           | 1360 |
| Terre Haute    |      |
| WBOW           | 1200 |
| Vincennes      |      |
| WAOY           | 1420 |
| West Lafayette |      |
| WBAA           | 890  |

**IOWA**

|              |      |
|--------------|------|
| Ames         |      |
| WOI          | 640  |
| Boone        |      |
| KFGQ         | 1370 |
| Cedar Rapids |      |
| WMT          | 600  |
| Davenport    |      |
| WOC          | 1370 |
| Decorah      |      |
| KGCA         | 1270 |
| KWLC         | 1270 |
| Des Moines   |      |
| KRNT         | 1320 |
| KSO          | 1430 |
| WHO          | 1000 |
| Dubuque      |      |
| KDTH         | 1340 |
| WKBB         | 1500 |
| Fort Dodge   |      |
| KVFD         | 1370 |
| Iowa City    |      |
| WSUI         | 880  |
| Marshalltown |      |
| KFJB         | 1200 |
| Mason City   |      |
| KGLO         | 1210 |
| Shenandoah   |      |
| KFNF         | 890  |
| KMA          | 930  |
| Sioux City   |      |
| KSCJ         | 1330 |
| KTRI         | 1420 |

**KANSAS**

|             |      |
|-------------|------|
| Atehson     |      |
| 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    |      |
| KCKU        | 1220 |
| WREN        | 1220 |
| Manhattan   |      |
| KSAC        | 580  |
| Pittsburg   |      |
| KOAM        | 790  |
| Salina      |      |
| KSAL        | 1120 |
| Topeka      |      |
| WIBW        | 580  |
| Wichita     |      |
| KANS        | 1210 |
| KFBI        | 1050 |
| KFH         | 1300 |

**KENTUCKY**

|               |      |
|---------------|------|
| Ashland       |      |
| WCMJ          | 1310 |
| Bowling Green |      |
| WBLJ          | 1310 |
| Hopkinsville  |      |
| WEOP          | 1200 |
| Lexington     |      |
| WLAP          | 1420 |
| Louisville    |      |
| WAVE          | 940  |
| WHAS          | 820  |
| WINN          | 1210 |
| Owensboro     |      |
| WOMI          | 1500 |
| Padueah       |      |
| WPAD          | 1420 |

**LOUISIANA**

|              |      |
|--------------|------|
| Alexandria   |      |
| KALB         | 1210 |
| Baton Rouge  |      |
| WJBO         | 1120 |
| Lafayette    |      |
| KVOL         | 1310 |
| Lake Charles |      |
| KPLC         | 1500 |
| Monroe       |      |
| KMLB         | 1200 |
| New Orleans  |      |
| WDSU         | 1250 |
| WJBW         | 1200 |
| WNOE         | 1420 |
| WSMB         | 1320 |
| WVWL         | 850  |
| Shreveport   |      |
| KRMD         | 1210 |
| KTBS         | 1450 |
| KWKH         | 1100 |

**MAINE**

|              |      |
|--------------|------|
| Augusta      |      |
| WROD         | 1370 |
| Bangor       |      |
| WAB1         | 1200 |
| WLBZ         | 620  |
| Lewiston     |      |
| WCOU         | 1210 |
| Portland     |      |
| WCSE         | 940  |
| WGAN         | 560  |
| Presque Isle |      |
| WAGM         | 1420 |

**MARYLAND**

|            |      |
|------------|------|
| Baltimore  |      |
| WBAL       | 700  |
| WBAL       | 1060 |
| WCAO       | 600  |
| WCBM       | 1370 |
| WFBR       | 1270 |
| WFBR       | 1270 |
| Cumberland |      |
| WTBO       | 800  |
| Frederick  |      |
| WFMD       | 900  |
| Hagerstown |      |
| WJEJ       | 1210 |
| Salisbury  |      |
| WBOC       | 1500 |

**MASSACHUSETTS**

|             |      |
|-------------|------|
| Boston      |      |
| WAAB        | 1410 |
| WBZ         | 990  |
| WCOP        | 1120 |
| WEHI        | 590  |
| WHDH        | 830  |
| WMEX        | 1500 |
| WNAC        | 1230 |
| WORL        | 920  |
| Fall River  |      |
| WSAB        | 1450 |
| Greenfield  |      |
| WBAI        | 1210 |
| WYNNIS      |      |
| WOCB        | 1210 |
| Lawrence    |      |
| WLAW        | 680  |
| WLLH        | 1370 |
| Lowell      |      |
| WLLH        | 1370 |
| New Bedford |      |
| WNH         | 1310 |
| Pittsfield  |      |
| WBRK        | 1310 |
| Salem       |      |
| WESX        | 1200 |
| Springfield |      |
| WBZA        | 990  |
| WMAS        | 1420 |
| WSPR        | 1140 |
| Worcester   |      |
| WORC        | 1280 |
| WTAG        | 580  |

**MICHIGAN**

|              |      |
|--------------|------|
| Battle Creek |      |
| WELL         | 1420 |
| Bay City     |      |
| WBCM         | 1410 |
| Calumet      |      |
| WHDF         | 1370 |
| Detroit      |      |
| WJBK         | 1500 |
| WJR          | 750  |
| WMCM         | 1420 |
| WJJ          | 920  |
| WXYZ         | 1240 |
| East Lansing |      |
| WRAR         | 850  |
| Flint        |      |
| WFDF         | 1310 |
| Grand Rapids |      |
| WASH         | 1270 |
| WGRB         | 1200 |
| WLAV         | 1310 |
| WOOD         | 1270 |
| Ironwood     |      |
| WJES         | 1420 |
| Jackson      |      |
| WJBM         | 1370 |
| Kalamazoo    |      |
| WKZO         | 590  |
| Lansing      |      |
| WJIM         | 1210 |
| Lapeer       |      |
| WMPC         | 1200 |
| Marquette    |      |
| WDMJ         | 1310 |
| Muskegon     |      |
| WKBZ         | 1500 |
| Pontiao      |      |
| WCAR         | 1100 |
| Port Huron   |      |
| WHLS         | 1370 |

|                  |      |
|------------------|------|
| Royal Oak        |      |
| WEXL             | 1310 |
| Saginaw          |      |
| WHAL             | 950  |
| WSAM             | 1200 |
| Sault Ste. Marie |      |
| WSOO             | 1200 |
| Traverse City    |      |
| WTCM             | 1370 |

**MINNESOTA**

|              |      |
|--------------|------|
| Albert Lea   |      |
| KATE         | 1420 |
| Duluth       |      |
| KDAL         | 1500 |
| WEBC         | 1290 |
| Fergus Falls |      |
| KGDE         | 1200 |
| Hibbing      |      |
| WMFG         | 1210 |
| Mankato      |      |
| KYSM         | 1500 |
| Minneapolis  |      |
| WCCO         | 810  |
| WDGY         | 1180 |
| WLB          | 760  |
| WLOL         | 1300 |
| WTCN         | 1250 |
| Moorhead     |      |
| KVOX         | 1310 |
| Northfield   |      |
| WCAL         | 760  |
| Rochester    |      |
| KROC         | 1310 |
| St. Cloud    |      |
| KFAM         | 1420 |
| St. Paul     |      |
| KSTP         | 1460 |
| WMIN         | 1370 |
| Virginia     |      |
| WHLB         | 1370 |
| Willmar      |      |
| KWLM         | 1310 |
| Winona       |      |
| KWNO         | 1200 |

**MISSISSIPPI**

|             |      |
|-------------|------|
| Columbus    |      |
| WCBI        | 1370 |
| Greenville  |      |
| WJPE        | 1310 |
| Greenwood   |      |
| WGRM        | 3210 |
| Gulfport    |      |
| WGCM        | 1210 |
| Hattiesburg |      |
| WFOR        | 1370 |
| Jackson     |      |
| WJDX        | 1270 |
| WSLI        | 1420 |
| Laurel      |      |
| WAML        | 1310 |
| McComb      |      |
| WSKB        | 1200 |
| Meridian    |      |
| WCOC        | 880  |
| Vicksburg   |      |
| WQBC        | 1360 |

**MISSOURI**

|                |      |
|----------------|------|
| Cape Girardeau |      |
| KFVS           | 1370 |
| Clayton        |      |
| KFTO           | 830  |

**NORTH AMERICAN B. C. STATIONS BY LOCATIONS**

|                     |      |
|---------------------|------|
| <b>Columbia</b>     |      |
| KFRU                | 630  |
| Jefferson City      |      |
| KWOS                | 1310 |
| Joplin              |      |
| WMBH                | 1420 |
| <b>Kansas City</b>  |      |
| KCMO                | 1450 |
| KITE                | 1530 |
| KMBC                | 950  |
| WDAF                | 610  |
| WHB                 | 860  |
| <b>Poplar Bluff</b> |      |
| KWOC                | 1310 |
| <b>St. Joseph</b>   |      |
| KFEQ                | 680  |
| <b>St. Louis</b>    |      |
| KMOX                | 1090 |
| KSD                 | 550  |
| KWK                 | 1350 |
| KXOK                | 1250 |
| WEW                 | 760  |
| WLL                 | 1200 |
| <b>Sedalla</b>      |      |
| KDRO                | 1500 |
| <b>Springfield</b>  |      |
| KGBX                | 1230 |
| KWTO                | 560  |
| <b>MONTANA</b>      |      |
| <b>Billings</b>     |      |
| KGHL                | 780  |
| Bozeman             |      |
| KRBM                | 1420 |
| <b>Butte</b>        |      |
| KGIR                | 1340 |
| Great Falls         |      |
| KFBB                | 1280 |
| Helena              |      |
| KPPA                | 1210 |
| KallsPELL           |      |
| KGEZ                | 1310 |
| <b>Miles City</b>   |      |
| KRIF                | 1310 |
| Missoula            |      |
| KGVO                | 1260 |
| Wolf Point          |      |
| KGCX                | 1450 |
| <b>NEBRASKA</b>     |      |
| <b>Fremont</b>      |      |
| KORN                | 1370 |
| Grand Island        |      |
| KMMJ                | 740  |
| Hastings            |      |
| KHAS                | 1200 |
| Kearney             |      |
| KGFW                | 1210 |
| Lincoln             |      |
| KFAB                | 770  |
| KFOR                | 1210 |
| Norfolk             |      |
| WIAG                | 1060 |
| <b>North Platte</b> |      |
| KGNF                | 1430 |
| Omaha               |      |
| KOIL                | 1200 |
| KOWH                | 660  |
| WOW                 | 590  |
| <b>Scottsbluff</b>  |      |
| KGKY                | 1500 |
| <b>NEVADA</b>       |      |
| <b>Las Vegas</b>    |      |
| KENO                | 1370 |
| KFUN                | 1420 |
| Reno                |      |
| KOH                 | 1330 |

|                      |      |
|----------------------|------|
| <b>New HAMPSHIRE</b> |      |
| <b>Laconia</b>       |      |
| WLNH                 | 1310 |
| <b>Manchester</b>    |      |
| WFEA                 | 1340 |
| <b>Portsmouth</b>    |      |
| WHEB                 | 740  |
| <b>NEW JERSEY</b>    |      |
| <b>Asbury Park</b>   |      |
| WCAP                 | 1280 |
| <b>Atlantic City</b> |      |
| WBAB                 | 1200 |
| WFPG                 | 1420 |
| <b>Bridgeton</b>     |      |
| WSNJ                 | 1210 |
| <b>Camden</b>        |      |
| WCAM                 | 1280 |
| <b>Jersey City</b>   |      |
| WAAT                 | 940  |
| WHOM                 | 1450 |
| <b>Newark</b>        |      |
| WHBI                 | 1250 |
| WOR                  | 710  |
| <b>Paterson</b>      |      |
| WPAT                 | 900  |
| <b>Red Bank</b>      |      |
| WBRB                 | 1210 |
| <b>Trenton</b>       |      |
| WTNJ                 | 1230 |
| <b>Zarephath</b>     |      |
| WAWZ                 | 1350 |
| <b>NEW MEXICO</b>    |      |
| <b>Albuquerque</b>   |      |
| KGGM                 | 1230 |
| KOB                  | 1180 |
| <b>Carlsbad</b>      |      |
| KLAH                 | 1210 |
| <b>Clovis</b>        |      |
| KICA                 | 1370 |
| <b>Gallup</b>        |      |
| KAWM                 | 1500 |
| <b>Hobbs</b>         |      |
| KWEV                 | 1500 |
| <b>Roswell</b>       |      |
| KGFL                 | 1270 |
| <b>Santa Fe</b>      |      |
| KVSF                 | 1310 |
| <b>NEW YORK</b>      |      |
| <b>Albany</b>        |      |
| WABY                 | 1370 |
| <b>WOKO</b>          |      |
| WOKO                 | 1430 |
| <b>Auburn</b>        |      |
| WMBO                 | 1210 |
| <b>Binghamton</b>    |      |
| WNBF                 | 1500 |
| <b>Brooklyn</b>      |      |
| WARD                 | 1400 |
| WBBC                 | 1400 |
| WBBR                 | 1300 |
| WCNW                 | 1500 |
| WVFW                 | 1400 |
| <b>Buffalo</b>       |      |
| WBN                  | 900  |
| WBNY                 | 1370 |
| WEBR                 | 1310 |
| WGR                  | 550  |
| WKBW                 | 1480 |
| WWSY                 | 1370 |
| <b>Canton</b>        |      |
| WCAD                 | 1220 |
| <b>Elmira</b>        |      |
| WENY                 | 1200 |
| <b>Freeport</b>      |      |
| WGBB                 | 1210 |

|                       |      |
|-----------------------|------|
| <b>Ithaca</b>         |      |
| WICR                  | 850  |
| <b>Jamestown</b>      |      |
| WJTN                  | 1210 |
| <b>Kingston</b>       |      |
| WJNY                  | 1500 |
| <b>Newburgh</b>       |      |
| WGNV                  | 1220 |
| <b>New York</b>       |      |
| WABC                  | 860  |
| WBNX                  | 1350 |
| WEAF                  | 660  |
| WEVD                  | 1300 |
| WHN                   | 1010 |
| WINS                  | 1180 |
| WJZ                   | 760  |
| WLTH                  | 1400 |
| WMCA                  | 570  |
| WNEW                  | 1250 |
| WNYC                  | 810  |
| WOV                   | 1100 |
| WQXR                  | 1550 |
| <b>Niagara Falls</b>  |      |
| WHLD                  | 1260 |
| <b>O'ndensburg</b>    |      |
| WSLB                  | 1370 |
| <b>Olean</b>          |      |
| WHDL                  | 1420 |
| <b>P'atsburg</b>      |      |
| WMFF                  | 1310 |
| <b>Poughkeepsie</b>   |      |
| WKIP                  | 1420 |
| <b>Rochester</b>      |      |
| WHAM                  | 1150 |
| WHBC                  | 1430 |
| WSAY                  | 1210 |
| <b>Salina</b>         |      |
| WLAJ                  | 690  |
| <b>Saranac Lake</b>   |      |
| WNBZ                  | 1290 |
| <b>Schenectady</b>    |      |
| WGNB                  | 1210 |
| WGY                   | 790  |
| <b>Syracuse</b>       |      |
| WFBL                  | 1360 |
| WOLF                  | 1500 |
| WSYR                  | 570  |
| <b>Troy</b>           |      |
| WHAZ                  | 1300 |
| WTRY                  | 950  |
| <b>Utica</b>          |      |
| WIBX                  | 1200 |
| <b>Watertown</b>      |      |
| WATN                  | 1210 |
| WWNY                  | 1270 |
| <b>White Plains</b>   |      |
| WPAS                  | 1210 |
| <b>Woodside</b>       |      |
| WWRL                  | 1500 |
| <b>NORTH CAROLINA</b> |      |
| <b>Asheville</b>      |      |
| WISE                  | 1370 |
| WWNC                  | 570  |
| <b>Charlotte</b>      |      |
| WBT                   | 1020 |
| WSOC                  | 1210 |
| <b>Durham</b>         |      |
| WDNC                  | 1500 |
| <b>Elizabeth City</b> |      |
| WCNC                  | 1370 |
| <b>Fayetteville</b>   |      |
| WFNC                  | 1340 |
| <b>Greensboro</b>     |      |
| WGNC                  | 1420 |
| <b>WGBR</b>           |      |
| WGBR                  | 1370 |
| <b>Greensboro</b>     |      |
| WBG                   | 1440 |

|                      |      |
|----------------------|------|
| <b>Greenville</b>    |      |
| WGTC                 | 1500 |
| <b>Hickory</b>       |      |
| WHYK                 | 1370 |
| <b>High Point</b>    |      |
| WMPR                 | 1200 |
| <b>Kingston</b>      |      |
| WPTC                 | 1200 |
| <b>Raleigh</b>       |      |
| WPIT                 | 680  |
| WRAL                 | 1210 |
| <b>Roanoke</b>       |      |
| <b>Rapids</b>        |      |
| WCBT                 | 1200 |
| <b>Rocky Mount</b>   |      |
| WEED                 | 1420 |
| <b>Salisbury</b>     |      |
| WSTP                 | 1500 |
| <b>Whimington</b>    |      |
| WMFD                 | 1370 |
| <b>Wilson</b>        |      |
| WGTM                 | 1310 |
| <b>Winston-Salem</b> |      |
| WAIR                 | 1250 |
| WSJS                 | 1310 |
| <b>NORTH DAKOTA</b>  |      |
| <b>Bismarck</b>      |      |
| KFYR                 | 550  |
| <b>Devils Lake</b>   |      |
| KDLR                 | 1210 |
| <b>Fargo</b>         |      |
| WDAY                 | 940  |
| <b>Grand Forks</b>   |      |
| KFJM                 | 1410 |
| <b>Jamestown</b>     |      |
| KRMC                 | 1370 |
| <b>Mandan</b>        |      |
| KGCC                 | 1240 |
| <b>Minot</b>         |      |
| KLPM                 | 1360 |
| <b>Valley City</b>   |      |
| KOVC                 | 1500 |
| <b>OHIO</b>          |      |
| <b>Akron</b>         |      |
| WADC                 | 1320 |
| WAKR                 | 1530 |
| WJW                  | 1210 |
| <b>Ashtabula</b>     |      |
| WICA                 | 940  |
| <b>Canton</b>        |      |
| WHBC                 | 1200 |
| <b>Cincinnati</b>    |      |
| WCKY                 | 1490 |
| WCPO                 | 1200 |
| WKRC                 | 550  |
| WLW                  | 700  |
| WSAI                 | 1380 |
| WSXO                 | 700  |
| <b>Cleveland</b>     |      |
| WCLE                 | 610  |
| WGAR                 | 1450 |
| WHK                  | 1390 |
| WTTAM                | 1070 |
| <b>Columbus</b>      |      |
| WBNS                 | 1430 |
| WCOL                 | 1200 |
| WHKC                 | 640  |
| WOSU                 | 570  |
| <b>Dayton</b>        |      |
| WHIO                 | 1260 |
| WING                 | 1380 |
| <b>Lima</b>          |      |
| WLOK                 | 1210 |

|                      |      |
|----------------------|------|
| <b>Mansfield</b>     |      |
| WMAN                 | 1370 |
| <b>Marion</b>        |      |
| WMBR                 | 1500 |
| <b>Portsmouth</b>    |      |
| WPAY                 | 1370 |
| <b>Springfield</b>   |      |
| WIZE                 | 1310 |
| <b>Stenbenville</b>  |      |
| WSTV                 | 1310 |
| <b>Toledo</b>        |      |
| WSPD                 | 1340 |
| WTOL                 | 1200 |
| <b>Youngstown</b>    |      |
| WFMJ                 | 1420 |
| WKBN                 | 570  |
| <b>Zanesville</b>    |      |
| WHIZ                 | 1210 |
| <b>OKLAHOMA</b>      |      |
| <b>Ada</b>           |      |
| KADA                 | 1200 |
| <b>Armore</b>        |      |
| KVSO                 | 1210 |
| <b>Eik City</b>      |      |
| KASA                 | 1210 |
| <b>Enid</b>          |      |
| KCRC                 | 1360 |
| <b>Lawton</b>        |      |
| KBIX                 | 1500 |
| <b>Norman</b>        |      |
| WNAD                 | 1010 |
| <b>Oklahoma City</b> |      |
| KOCY                 | 1310 |
| KOMA                 | 1480 |
| KTOK                 | 1370 |
| WKY                  | 900  |
| <b>Okmulgee</b>      |      |
| KHBG                 | 1210 |
| <b>Ponca City</b>    |      |
| WBBZ                 | 1200 |
| <b>Shawnee</b>       |      |
| KGFF                 | 1420 |
| <b>Tulsa</b>         |      |
| KOME                 | 1210 |
| KTUL                 | 1400 |
| KVOO                 | 1140 |
| <b>OREGON</b>        |      |
| <b>Astoria</b>       |      |
| KAST                 | 1200 |
| <b>Baker</b>         |      |
| KBBK                 | 1500 |
| <b>Bend</b>          |      |
| KBNB                 | 1310 |
| <b>Corvallis</b>     |      |
| KOAC                 | 580  |
| <b>Eugene</b>        |      |
| KORE                 | 1420 |
| <b>Grants Pass</b>   |      |
| KUN                  | 1310 |
| <b>Klamath Falls</b> |      |
| KFTJ                 | 1210 |
| <b>La Grande</b>     |      |
| KLBM                 | 1420 |
| <b>Marshfield</b>    |      |
| KOOS                 | 1200 |
| <b>Medford</b>       |      |
| KMED                 | 1410 |
| <b>Portland</b>      |      |
| KALE                 | 1200 |
| KBPS                 | 1420 |
| KEX                  | 1160 |
| KGW                  | 620  |

**NORTH AMERICAN B. C. STATIONS BY LOCATIONS**

|                     |       |
|---------------------|-------|
| KOIN                | 940   |
| →KWJJ               | 1040  |
| KXL                 | 1420  |
| Roseburg            |       |
| KRNK                | 1500  |
| Salem               |       |
| KSLM                | 1300  |
| The Dalles          |       |
| →KODL               | 1200  |
| <b>Pennsylvania</b> |       |
| Allentown           |       |
| WCBA                | 1440  |
| WSAN                | 1440  |
| Altoona             |       |
| WFBG                | 1310  |
| Du Bois             |       |
| WCED                | 1200  |
| Easton              |       |
| WEST                | 1200  |
| Erle                |       |
| WERC                | 1500  |
| WLEU                | 1420  |
| Glenside            |       |
| WBG                 | 970   |
| Greenburg           |       |
| WHJB                | 620   |
| Grove City          |       |
| WSAJ                | 1310  |
| Harrisburg          |       |
| WHP                 | 1430  |
| WKBO                | 1200  |
| Hazleton            |       |
| WAZL                | 1420  |
| Johnstown           |       |
| WJAC                | 1370  |
| Lancaster           |       |
| WGAL                | 1500  |
| New Castle          |       |
| WKST                | 1250  |
| New Kensington      |       |
| WKPA                | 1120  |
| Philadelphia        |       |
| KYW                 | 1020  |
| →WCAU               | 1170  |
| WDAS                | 1370  |
| →WFIL               | 560   |
| WHAT                | 1310  |
| WIP                 | 610   |
| WPEN                | 920   |
| WTEL                | 1310* |
| Pittsburgh          |       |
| →KDKA               | 980   |
| KQV                 | 1380  |
| WCAE                | 1220  |
| WJAS                | 1290  |
| →WWSW               | 1500  |
| Reading             |       |
| WEEU                | 830   |
| WBAW                | 1310  |
| Scranton            |       |
| WARM                | 1370  |
| WGBI                | 880   |
| WQAN                | 880   |
| Sharon              |       |
| →WPIC               | 780   |
| Sunbury             |       |
| WKOK                | 1210  |
| Uniontown           |       |
| WMBS                | 1420  |
| Wilkes-Barre        |       |
| WBAX                | 1210  |
| WBRE                | 1310  |
| Williamsport        |       |
| WRAC                | 1370  |
| York                |       |
| WORK                | 1320  |

|                       |      |
|-----------------------|------|
| <b>PUERTO RICO</b>    |      |
| Mayaguez              |      |
| WPIA                  | 780  |
| Ponoo                 |      |
| WPAB                  | 1340 |
| WPRP                  | 1420 |
| <b>San Juan</b>       |      |
| WKAQ                  | 1240 |
| WNEL                  | 1290 |
| WSSJ                  | 1500 |
| <b>RHODE ISLAND</b>   |      |
| Pawtucket             |      |
| WPCI                  | 1390 |
| Providence            |      |
| WEAN                  | 780  |
| WJAR                  | 890  |
| WPRO                  | 630  |
| <b>SOUTH CAROLINA</b> |      |
| Anderson              |      |
| →WALM                 | 1200 |
| Charleston            |      |
| WCSC                  | 1360 |
| WTMA                  | 1210 |
| Columbia              |      |
| WCOS                  | 1270 |
| WIS                   | 500  |
| Florence              |      |
| WOLS                  | 1200 |
| Greenville            |      |
| →WFBC                 | 1300 |
| WMBC                  | 1500 |
| Spartanburg           |      |
| WORD                  | 1370 |
| →WSPA                 | 920  |
| Sumter                |      |
| WFIG                  | 1310 |
| <b>SOUTH DAKOTA</b>   |      |
| Aberdeen              |      |
| KABR                  | 1300 |
| Brookings             |      |
| KFDY                  | 780  |
| Pierre                |      |
| KGFX                  | 630  |
| Rapid City            |      |
| KOBH                  | 1370 |
| WCAT                  | 1200 |
| Sioux Falls           |      |
| KELO                  | 1200 |
| KSOO                  | 1110 |
| Vermillion            |      |
| KUSD                  | 890  |
| Watertown             |      |
| KWAT                  | 1210 |
| Yankton               |      |
| WNAX                  | 570  |
| <b>TENNESSEE</b>      |      |
| Bristol               |      |
| WOPJ                  | 1500 |
| Chattanooga           |      |
| WAPO                  | 1420 |
| WDFP                  | 1370 |
| WDOP                  | 1280 |
| Cookeville            |      |
| WHUB                  | 1370 |
| Jackson               |      |
| WTSJ                  | 1310 |
| Johnson City          |      |
| →WJHL                 | 1200 |

|                  |      |
|------------------|------|
| <b>Kingsport</b> |      |
| WKPT             | 1370 |
| Knoxville        |      |
| WBIR             | 1210 |
| →WNOX            | 1010 |
| →WBOL            | 1210 |
| Memphis          |      |
| WEBQ             | 1370 |
| →WMC             | 780  |
| WMPS             | 1430 |
| WREC             | 600  |
| Nashville        |      |
| →WLAC            | 1470 |
| WSIV             | 1210 |
| WSM              | 650  |
| <b>TEXAS</b>     |      |
| Abilene          |      |
| KRBC             | 1420 |
| Amarillo         |      |
| KFDA             | 1500 |
| KGNC             | 1410 |
| Austin           |      |
| KNOW             | 1500 |
| Beaumont         |      |
| KFDM             | 560  |
| KRIC             | 1420 |
| Big Spring       |      |
| KBST             | 1500 |
| Brady            |      |
| KNEL             | 1500 |
| College Station  |      |
| WTAW             | 1120 |
| Corpus Christi   |      |
| KRIS             | 1320 |
| Dallas           |      |
| →KRLD            | 1040 |
| →WFAA            | 800  |
| WBR              | 1280 |
| Denton           |      |
| KDNT             | 1420 |
| Dublin           |      |
| KFPL             | 1310 |
| El Paso          |      |
| KROD             | 1500 |
| →KTSM            | 1310 |
| WDAH             | 1210 |
| Fort Worth       |      |
| →KFJZ            | 1240 |
| KGKO             | 870  |
| →WHAP            | 800  |
| Galveston        |      |
| KLUF             | 1370 |
| Houston          |      |
| →KPRC            | 920  |
| KTRH             | 1290 |
| →KXYZ            | 1440 |
| Kilgore          |      |
| KOCA             | 1210 |
| Larado           |      |
| →KPAB            | 1500 |
| Longview         |      |
| KPRO             | 1340 |
| Lubbock          |      |
| KFYD             | 1310 |
| Mdland           |      |
| KRLH             | 1420 |
| Pampa            |      |
| KPDN             | 1310 |
| Paris            |      |
| KPLT             | 1500 |
| Pecos            |      |
| KIUN             | 1370 |
| Port Arthur      |      |
| KPAC             | 1220 |
| San Angelo       |      |
| KGKL             | 1370 |

|                    |      |
|--------------------|------|
| <b>San Antonio</b> |      |
| KABC               | 1420 |
| KMAC               | 1370 |
| KONO               | 1370 |
| KTSA               | 550  |
| →WQAI              | 1190 |
| Sherman            |      |
| →KRRV              | 880  |
| Sweetwater         |      |
| KXOX               | 1210 |
| Temple             |      |
| KTEM               | 1370 |
| Texarkana          |      |
| KCMC               | 1420 |
| Vernon             |      |
| →KWVC              | 1500 |
| Victoria           |      |
| KVIC               | 1310 |
| Waco               |      |
| WACO               | 1420 |
| Weslaco            |      |
| KRGV               | 1260 |
| Wichita Falls      |      |
| →KWFT              | 620  |
| <b>UTAH</b>        |      |
| Cedar City         |      |
| KSUB               | 1310 |
| Logan              |      |
| KVNU               | 1200 |
| Ogden              |      |
| →KLO               | 1400 |
| Price              |      |
| KREB               | 1420 |
| Provo              |      |
| KOVO               | 1210 |
| Salt Lake City     |      |
| →KDYL              | 1290 |
| KSL                | 1130 |
| KUTA               | 1500 |
| <b>VERMONT</b>     |      |
| Burlington         |      |
| WCAK               | 1200 |
| Rutland            |      |
| WSYB               | 1500 |
| St. Albans         |      |
| WQDM               | 1390 |
| Springfield        |      |
| WNBX               | 1260 |
| Waterbury          |      |
| WDEV               | 550  |
| <b>VIRGINIA</b>    |      |
| Charlottesville    |      |
| WCHV               | 1420 |
| Danville           |      |
| WBTM               | 1370 |
| Fredericksburg     |      |
| WFVA               | 1260 |
| Harrisonburg       |      |
| WSVA               | 560  |
| Lynchburg          |      |
| WLVA               | 1200 |
| Martinsville       |      |
| WMVA               | 1420 |
| Newport News       |      |
| WGH                | 1310 |
| Norfolk            |      |
| WTAR               | 780  |
| Petersburg         |      |
| WPID               | 1210 |
| Richmond           |      |
| WBBL               | 1210 |
| WMBG               | 1350 |

|                      |      |
|----------------------|------|
| WRNL                 | 880  |
| WRTD                 | 1600 |
| →WRVA                | 1110 |
| Roanoke              |      |
| WDRJ                 | 920  |
| WLSL                 | 1500 |
| Suffolk              |      |
| WLPJ                 | 1420 |
| <b>WASHINGTON</b>    |      |
| Aberdeen             |      |
| KXRO                 | 1310 |
| Bellingham           |      |
| KVOS                 | 1200 |
| Centralia            |      |
| KELA                 | 1440 |
| Everett              |      |
| KRKO                 | 1370 |
| Longview             |      |
| KWLK                 | 1370 |
| Olympia              |      |
| KGJ                  | 1210 |
| Pullman              |      |
| KWSC                 | 1220 |
| Seattle              |      |
| KEVR                 | 1370 |
| KIRO                 | 710  |
| KJR                  | 970  |
| KOL                  | 1270 |
| KOMO                 | 920  |
| KRSC                 | 1120 |
| KTW                  | 1220 |
| →KXA                 | 760  |
| Spokane              |      |
| KFIO                 | 1120 |
| →KFPY                | 890  |
| KGK                  | 1470 |
| KHQ                  | 596  |
| Tacoma               |      |
| KMO                  | 1330 |
| KVI                  | 570  |
| Vancouver            |      |
| KVAN                 | 880  |
| Walla Walla          |      |
| KUJ                  | 1370 |
| Wenatchee            |      |
| KPQ                  | 1500 |
| Yakima               |      |
| KIT                  | 1250 |
| <b>WEST VIRGINIA</b> |      |
| Beckley              |      |
| WJLS                 | 1210 |
| Bluefield            |      |
| →WHIS                | 1410 |
| Charleston           |      |
| WCBS                 | 580  |
| WGKV                 | 1500 |
| Clarksburg           |      |
| WBLK                 | 1370 |
| Fairmont             |      |
| →WMMN                | 890  |
| Huntington           |      |
| →WSAZ                | 1190 |
| Logan                |      |
| WLOG                 | 1200 |
| Morgantown           |      |
| WAJR                 | 1200 |
| Parkersburg          |      |
| WPAR                 | 1420 |
| Welch                |      |
| WBRW                 | 1310 |
| Wheeling             |      |
| WWVA                 | 1160 |



**NORTH AMERICAN B. C. STATIONS BY LOCATIONS**

|                       |      |
|-----------------------|------|
| <b>WISCONSIN</b>      |      |
| Appleton              |      |
| WBYY                  | 1200 |
| Ashland               |      |
| WATW                  | 1370 |
| Eau Claire            |      |
| WEAU                  | 1050 |
| Fond du Lao           |      |
| KFTZ                  | 1420 |
| Green Bay             |      |
| WTAQ                  | 1330 |
| Janesville            |      |
| WCLO                  | 1200 |
| LaCrosse              |      |
| WKBB                  | 1380 |
| Madison               |      |
| WHA                   | 940  |
| WIBA                  | 1280 |
| Manitowec             |      |
| WOMT                  | 1210 |
| Marinets              |      |
| WMAM                  | 570  |
| Milwaukee             |      |
| WEMP                  | 1310 |
| WISN                  | 1120 |
| WTMJ                  | 620  |
| Paynette              |      |
| WIBU                  | 1210 |
| Racine                |      |
| WBTV                  | 1370 |
| Rice Lake             |      |
| WJMC                  | 1210 |
| Sheboygan             |      |
| WHDL                  | 1300 |
| Stevens Point         |      |
| WLBL                  | 900  |
| Superior              |      |
| WDSM                  | 1300 |
| Wausan                |      |
| WSAU                  | 1370 |
| Wisconsin Rapids      |      |
| WFHR                  | 1310 |
| <b>WYOMING</b>        |      |
| Casper                |      |
| KDPN                  | 1440 |
| Cheyenne              |      |
| KFBC                  | 1420 |
| KYAN                  | 1370 |
| Rock Springs          |      |
| KVBS                  | 1370 |
| Sheridan              |      |
| KWYO                  | 1370 |
| <b>BAHAMAS</b>        |      |
| Nassau                |      |
| ZNS                   | 790  |
| <b>CANADA ALBERTA</b> |      |
| Calgary               |      |
| CFAC                  | 930  |
| CFCN                  | 1020 |
| CJGJ                  | 690  |
| Edmonton              |      |
| CFRN                  | 960  |
| CJCA                  | 730  |
| CKULA                 | 580  |
| Grande Prairie        |      |
| CFGP                  | 1310 |
| Lethbridge            |      |
| CJOC                  | 1370 |

|                         |      |
|-------------------------|------|
| <b>BRITISH COLUMBIA</b> |      |
| Chilliwack              |      |
| CHWK                    | 780  |
| Kamloops                |      |
| CFJC                    | 880  |
| Kelowna                 |      |
| CKOV                    | 630  |
| Nelson                  |      |
| CKLN                    | 1420 |
| Prince Rupert           |      |
| CFPR                    | 580  |
| Trail                   |      |
| CJAT                    | 910  |
| Vancouver               |      |
| CBR                     | 1100 |
| CJOR                    | 600  |
| CKMO                    | 1410 |
| CKWX                    | 950  |
| Victoria                |      |
| CFCT                    | 1450 |
| <b>MANITOBA</b>         |      |
| Brandon                 |      |
| CKX                     | 1120 |
| Flin Flon               |      |
| CFAR                    | 1270 |
| Winnipeg                |      |
| CJRC                    | 630  |
| CKY                     | 910  |
| <b>GAL. EIGHT</b>       |      |
| <b>NEW BRUNSWICK</b>    |      |
| Campbellton             |      |
| CKNB                    | 1210 |
| Frederleton             |      |
| CFNB                    | 550  |
| Moncton                 |      |
| CKCW                    | 1270 |
| Sackville               |      |
| CBA                     | 1050 |
| St. John                |      |
| CHSJ                    | 1120 |
| <b>NOVA SCOTIA</b>      |      |
| Glace Bay               |      |
| VAS                     | 685  |
| Halifax                 |      |
| CHNS                    | 230  |
| CJHC                    | 1290 |
| Sydney                  |      |
| CJCB                    | 1240 |
| Yarmouth                |      |
| CJLS                    | 1310 |
| <b>ONTARIO</b>          |      |
| Brantford               |      |
| CKPC                    | 930  |
| Chatham                 |      |
| CKCO                    | 630  |
| Cobalt                  |      |
| CKMC                    | 1210 |
| Fort William            |      |
| CKPR                    | 580  |
| Hamilton                |      |
| CHML                    | 1010 |
| CKOC                    | 1120 |
| Kenora                  |      |
| CKCA                    | 1420 |
| Kingston                |      |
| CFRC                    | 1510 |
| Kirkland Lake           |      |
| CKJL                    | 560  |
| London                  |      |
| CFPL                    | 730  |

|                             |      |
|-----------------------------|------|
| <b>North Bay</b>            |      |
| CFCH                        | 930  |
| Ottawa                      |      |
| CKO                         | 8830 |
| CKCO                        | 1010 |
| Owen Sound                  |      |
| CFOS                        | 1370 |
| Prescott                    |      |
| CFLC                        | 930  |
| St. Catharines              |      |
| CKTB                        | 1200 |
| Sault Ste. Marie            |      |
| CJJC                        | 1500 |
| Stratford                   |      |
| CJCS                        | 1210 |
| Sudbury                     |      |
| CKSO                        | 780  |
| Timmins                     |      |
| CKGB                        | 1440 |
| Toronto                     |      |
| --- CBL                     | 840  |
| CBY                         | 1420 |
| CFRB                        | 690  |
| CKCL                        | 580  |
| Waterles                    |      |
| CKCR                        | 1510 |
| Windsor                     |      |
| ---CKLW                     | 1030 |
| Wingham                     |      |
| CKNX                        | 1200 |
| <b>PRINCE EDWARD ISLAND</b> |      |
| Charletetown                |      |
| CFCY                        | 630  |
| CHCK                        | 1310 |
| Summerside                  |      |
| CHGS                        | 1450 |
| <b>QUEBEC</b>               |      |
| Chicoutimi                  |      |
| CEJ                         | 1120 |
| Hull                        |      |
| CKGH                        | 1210 |
| Montreal                    |      |
| CFB                         | 910  |
| CFM                         | 960  |
| CFCF                        | 600  |
| CHLP                        | 1120 |
| CKAK                        | 730  |
| New Carlisle                |      |
| CHNC                        | 610  |
| Quebeo                      |      |
| CHBC                        | 530  |
| CKCV                        | 1310 |
| Rimoski                     |      |
| CJBR                        | 1030 |
| Reuy                        |      |
| CKRN                        | 1370 |
| St. Anne de la Pocatiere    |      |
| CHKG                        | 1200 |
| Sherbrooks                  |      |
| CHLT                        | 1210 |
| Three Rivers                |      |
| CHLN                        | 1420 |
| Val d'Or                    |      |
| CKVD                        | 1200 |
| <b>SASKATCH- EWAN</b>       |      |
| Moose Jew                   |      |
| CHAB                        | 1200 |

|                         |      |
|-------------------------|------|
| <b>North Battleford</b> |      |
| CHNB                    | 1420 |
| Prince Albert           |      |
| CBBI                    | 1210 |
| Regina                  |      |
| CFRM                    | 950  |
| CKCK                    | 1010 |
| Saskatoon               |      |
| CKOC                    | 600  |
| Watrous                 |      |
| CBK                     | 540  |
| Yorkton                 |      |
| CJGX                    | 1430 |
| <b>COSTA RICA</b>       |      |
| Alajuela                |      |
| T55CV                   | 575  |
| San Jose                |      |
| TIAFB                   | 900  |
| TIEMC                   | 860  |
| TIEP                    | 830  |
| TIFA                    | 1000 |
| TIGH                    | 690  |
| TIGPH                   | 600  |
| TIGPH2                  | 1225 |
| TIHO                    | 1030 |
| TIJJ                    | 775  |
| TIJS                    | 880  |
| TINBC                   | 1070 |
| TING                    | 750  |
| TIOS                    | 940  |
| TIPG                    | 625  |
| TIRCC                   | 1200 |
| TIRS                    | 920  |
| TIJD                    | 800  |
| <b>CUBA</b>             |      |
| Banes                   |      |
| CMKX                    | 1190 |
| Bayamo                  |      |
| CMKL                    | 950  |
| Calbarien               |      |
| CMHD                    | 1270 |
| Camaguey                |      |
| CMJA                    | 860  |
| CMJC                    | 1390 |
| CMJE                    | 1230 |
| CMJF                    | 930  |
| CMJK                    | 1020 |
| CMJN                    | 610  |
| CMJW                    | 1070 |
| CMJX                    | 900  |
| Gardenas                |      |
| CMGE                    | 1370 |
| Ciego de Avlla          |      |
| CMHJ                    | 1360 |
| CMJI                    | 1130 |
| CMJM                    | 870  |
| CMJO                    | 1260 |
| Cienfuegos              |      |
| CMHJ                    | 1160 |
| CMHM                    | 1450 |
| CMHO                    | 1020 |
| CMHX                    | 1480 |
| Cruces                  |      |
| EMHK                    | 1210 |
| Guanabacca              |      |
| CMCX                    | 1050 |
| Guantanamo              |      |
| CMKH                    | 1110 |
| CMKJ                    | 760  |
| CMKS                    | 860  |
| Guines                  |      |
| CM9BT                   | 1580 |
| Havana                  |      |
| CMBC                    | 730  |
| CMBD                    | 1290 |
| CMBF                    | 1290 |
| CMBG                    | 1180 |

|                 |      |
|-----------------|------|
| CMBH            | 1600 |
| CMBL            | 720  |
| CMBQ            | 1150 |
| CMBS            | 1250 |
| CMBX            | 1180 |
| CMBY            | 1410 |
| CMBZ            | 1010 |
| CMC             | 1350 |
| CMCA            | 1360 |
| CMCB            | 1260 |
| CMCD            | 630  |
| CMCF            | 810  |
| CMCG            | 1080 |
| CMCH            | 1050 |
| CMCI            | 1550 |
| CMCK            | 970  |
| CMCM            | 850  |
| CMCO            | 1210 |
| CMCQ            | 1410 |
| CMCU            | 1110 |
| CMCR            | 1550 |
| CMCW            | 1510 |
| CMCY            | 590  |
| CMK             | 750  |
| CMOA            | 1210 |
| CMOK            | 1510 |
| CMQ             | 690  |
| CMW             | 560  |
| .CMX            | 880  |
| CMZ             | 920  |
| Holgulin        |      |
| CMKF            | 1400 |
| CMKO            | 1280 |
| CMKW            | 570  |
| Jovellanos      |      |
| CMGN            | 760  |
| Manzanillo      |      |
| CMKE            | 1310 |
| CMKM            | 1080 |
| Matanzas        |      |
| CMGF            | 1120 |
| CMGH            | 1190 |
| Moron           |      |
| CMJP            | 1420 |
| Nuevitas        |      |
| CMJL            | 1330 |
| Palmo Soriano   |      |
| CMKZ            | 1430 |
| Pinar del Rio   |      |
| CMAB            | 1240 |
| CMAC            | 1030 |
| CMAN            | 570  |
| CMAR            | 1400 |
| Placetas        |      |
| CMHP            | 1100 |
| Puerto Padre    |      |
| CMKB            | 1350 |
| Sagua la Grande |      |
| CMHA            | 1090 |
| Sancti Spiritus |      |
| CMHB            | 1240 |
| Santa Clara     |      |
| CMHI            | 820  |
| CMHN            | 760  |
| CMHQ            | 1320 |
| CMHW            | 950  |
| Santiago        |      |
| CMKC            | 1350 |
| CMKD            | 910  |
| CMKG            | 1000 |
| CMKN            | 640  |
| CMKQ            | 1490 |
| CMKR            | 1400 |
| CMKW            | 1050 |
| CMKY            | 1140 |
| Trinidad        |      |
| CMHT            | 920  |
| Victoria Tunas  |      |
| CMKU            | 730  |

**NORTH AMERICAN B. C. STATIONS BY LOCATIONS**

|                           |                         |                    |                        |                     |
|---------------------------|-------------------------|--------------------|------------------------|---------------------|
| <b>DOMINICAN REPUBLIC</b> | <b>CAMPECHE</b>         | <b>XEW</b> 990     | <b>OAXACA</b>          | <b>Tampico</b>      |
| <b>Ciudad Trujillo</b>    | <b>Campeche</b>         | <b>XEXX</b> 1170   | <b>Oaxaca</b>          | <b>XECA</b> 1230    |
| HIG 900                   | <b>XEA</b> 1400         |                    | <b>XFOA</b> 1240       | <b>XEPW</b> 1310    |
| HIN 1090                  | <b>CHIQUAHUA</b>        | <b>DURANGO</b>     | <b>XEXH</b> 1150       | <b>XES</b> 990      |
| HIX 900                   | <b>Chihuahua</b>        | <b>Durango</b>     | <b>PUEBLA</b>          | <b>Victoria</b>     |
| HIT 1050                  | <b>XEBU</b> 1240        | <b>XEBP</b> 1150   | <b>Puebia</b>          | <b>XEBJ</b> 1340    |
| HIZ 1370                  | <b>XEBW</b> 1340        | <b>XEE</b> 1210    | <b>XEHR</b> 1230       | <b>VERA CRUZ</b>    |
| HI8Q 1470                 | <b>XEFL</b> 1440        | <b>GUANAJUATO</b>  | <b>SAN LUIS POTOSI</b> | <b>Cordoba</b>      |
| <b>EL SALVADOR</b>        | <b>XEM</b> 1390         | <b>Irapuato</b>    | <b>San Luis Potosi</b> | <b>XEAG</b> 1310    |
| <b>San Salvador</b>       | <b>Juarez</b>           | <b>XREO</b> 1330   | <b>San Luis Potosi</b> | <b>XECW</b> 1240    |
| <b>YSS</b> 640            | <b>XEF</b> 1450         | <b>XEFM</b> 1160   | <b>XECZ</b> 1370       | <b>Jalapa</b>       |
| <b>GUATEMALA</b>          | <b>XEFV</b> 1210        | <b>Leon</b>        | <b>SINALOA</b>         | <b>XEXB</b> 1270    |
| <b>Guatemala City</b>     | <b>XEJ</b> 1020         | <b>XEFM</b> 1160   | <b>Los Mochis</b>      | <b>Minatitlan</b>   |
| TKW 1520                  | <b>XEP</b> 1160         | <b>XEKL</b> 1240   | <b>XEOX</b> 1230       | <b>XEDW</b> 1150    |
| TGX 1400                  | <b>Parral</b>           | <b>Silao</b>       | <b>Mazatlan</b>        | <b>Orizaba</b>      |
| TGI 1310                  | <b>XEAT</b> 1210        | <b>XEWE</b> 720    | <b>XEBL</b> 1220       | <b>XEPP</b> 1400    |
| Quetzaltenango            | <b>XEIR</b> 1490        | <b>JALISCO</b>     | <b>XEDS</b> 1400       | <b>Veracruz</b>     |
| TGQ 1450                  | <b>Sabinas</b>          | <b>Guadalajara</b> | <b>SONORA</b>          | <b>XETL</b> 1220    |
| <b>HONDURAS</b>           | <b>XEBX</b> 640         | <b>XED</b> 1100    | <b>Caranea</b>         | <b>XEU</b> 1010     |
| <b>Teguicigalpa</b>       | <b>XEAS</b> 1160        | <b>XEHK</b> 1130   | <b>Quaymas</b>         | <b>YUCATAN</b>      |
| <b>HBN</b> 1445           | <b>XEKS</b> 1240        | <b>XELW</b> 1340   | <b>XEDR</b> 1490       | <b>Merida</b>       |
| <b>MEXICO</b>             | <b>Torreón</b>          | <b>Guzman</b>      | <b>Hermosillo</b>      | <b>XEFC</b> 1340    |
| <b>Aguascalientes</b>     | <b>XEDE</b> 1400        | <b>XEBA</b> 1030   | <b>XEBH</b> 930        | <b>XEME</b> 1240    |
| <b>XEAD</b> 1240          | <b>XETB</b> 1310        | <b>MEXICO</b>      | <b>Magdalena</b>       | <b>XEZ</b> 630      |
| <b>XEBI</b> 1000          | <b>Villa Acuna</b>      | <b>Texcoco</b>     | <b>XEDJ</b> 1450       | <b>ZACATECAS</b>    |
| <b>BAJA CALIFORNIA</b>    | <b>XEDH</b> 1340        | <b>XEXE</b> 1270   | <b>XEDL</b> 1240       | <b>Zacatecas</b>    |
| <b>Mexicali</b>           | <b>XERA</b> 840         | <b>XECH</b> 1490   | <b>Negales</b>         | <b>XELK</b> 1230    |
| <b>XEAA</b> 750           | <b>DISTRITO FEDERAL</b> | <b>MICHOACAN</b>   | <b>XEAF</b> 1000       | <b>MIQUELON</b>     |
| <b>XEAO</b> 660           | <b>Mexico City</b>      | <b>Morelia</b>     | <b>XEAP</b> 1340       | <b>St. Pierre</b>   |
| <b>XECL</b> 1110          | <b>XEAI</b> 1250        | <b>XEB</b> 1020    | <b>San Luis</b>        | <b>FQN</b> 609      |
| <b>Tijuana</b>            | <b>XEBS</b> 1340        | <b>XEBZ</b> 819    | <b>TEXAS</b>           | <b>NEWFOUNDLAND</b> |
| <b>XEAC</b> 980           | <b>XEDA</b> 1220        | <b>XEDA</b> 1220   | <b>Tepic</b>           | <b>St. John's</b>   |
| <b>XEAU</b> 1400          | <b>XEDF</b> 080         | <b>XEDF</b> 080    | <b>XERK</b> 1450       | <b>VOAC</b> 1065    |
| <b>XEBG</b> 820           | <b>XEFO</b> 940         | <b>XEFO</b> 940    | <b>NAYARIT</b>         | <b>VOAR</b> 950     |
| <b>XEC</b> 1150           | <b>XEJF</b> 1130        | <b>XEJF</b> 1130   | <b>Tepic</b>           | <b>VOCM</b> 1040    |
| <b>XEEO</b> 870           | <b>XEK</b> 1000         | <b>XEK</b> 1000    | <b>NUEVO LEON</b>      | <b>VOGY</b> 840     |
| <b>XEMO</b> 860           | <b>XEKR</b> 1280        | <b>XEKR</b> 1280   | <b>Monterrey</b>       | <b>VONF</b> 640     |
| <b>XEON</b> 750           | <b>XEL</b> 1150         | <b>XEL</b> 1150    | <b>XEG</b> 870         | <b>VOVW</b> 700     |
| <b>XERB</b> 1090          | <b>XELZ</b> 1370        | <b>XELZ</b> 1370   | <b>XEH</b> 740         | <b>PANAMA</b>       |
|                           | <b>XEN</b> 780          | <b>XEN</b> 780     | <b>XET</b> 690         | <b>Colon</b>        |
|                           | <b>XEQ</b> 780          | <b>XEQ</b> 780     | <b>XEX</b> 1310        | <b>HOK</b> 640      |
|                           | <b>XEQK</b> 1500        | <b>XEQK</b> 1500   |                        |                     |
|                           | <b>XERC</b> 830         | <b>XERC</b> 830    |                        |                     |
|                           | <b>XERH</b> 1430        | <b>XERH</b> 1430   |                        |                     |
|                           | <b>XESM</b> 1270        | <b>XESM</b> 1270   |                        |                     |

(Continued from page 82)

**1530 kcs. (196 m.)**

|          |      |
|----------|------|
| CMCJ ... | 200  |
| CMCR ... | 200  |
| KITE ... | 1000 |
| WBRY CM  | 1000 |
| WAKR P   | 1000 |

- a Havana, Cuba
- a Kansas City, Mo.
- a Waterbury, Conn.
- z Akron, Ohio

Pete Houck, Eng.  
S. E. Warner, Ch. Eng.  
....

**1550 kcs. (193.4 m.)**

|        |      |
|--------|------|
| KPMC M | 1000 |
| WQXR X | 1000 |

- a Bakersfield, Calif.
- a New York, N. Y.

L. A. Schamblin, Mgr.  
Russell Valentine, Ch. Eng.

**1580 kcs. (189.8 m.)**

|          |     |
|----------|-----|
| CMRT ... | 200 |
|----------|-----|

- z Guines, Cuba

Raul Torres Pardal

**1600 kcs. (187.4 m.)**

|          |      |
|----------|------|
| CMBH ... | 5000 |
|----------|------|

- e Havana, Cuba

Alberto Alvarez Ferrara

## 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 | CKCK | 1010 | CMBD | 1290 | CMGN | 760  | CMKC  | 1250 |
| CBF  | 910  | CHGS  | 1450 | CKCL | 580  | CMBF | 1290 | CMHA | 1090 | CMKD  | 910  |
| CBJ  | 1120 | CHLN  | 1420 | CKCO | 1010 | CMBG | 1180 | CMHB | 1240 | CMKE  | 1310 |
| CBK  | 540  | CHLP  | 1120 | CKCR | 1510 | CMBH | 1600 | CMHD | 1270 | CMKF  | 1460 |
| CBL  | 840  | CHLT  | 1210 | CKCV | 1310 | CMBL | 720  | CMHI | 830  | CMKG  | 1000 |
| CBM  | 960  | CHML  | 1010 | CKCW | 1370 | CMBQ | 1150 | CMHJ | 1160 | CMKH  | 1110 |
| CBO  | 880  | CHNB  | 1420 | CKGB | 1440 | CMBS | 1250 | CMHK | 1210 | CMKJ  | 760  |
| CBR  | 1100 | CHNC  | 610  | CKIC | 1010 | CMBX | 1180 | CMHM | 1450 | CMKL  | 950  |
| CBV  | 950  | CHNS  | 930  | CKLN | 1420 | CMBY | 1410 | CMHN | 760  | CMKM  | 1080 |
| CBY  | 1420 | CHRC  | 580  | CKLW | 1030 | CMBZ | 1010 | CMHO | 1020 | CMKN  | 640  |
| CFAC | 930  | CHSJ  | 1120 | CKMC | 1210 | CMC  | 1350 | CMHP | 1100 | CMKO  | 1280 |
| CFAR | 1370 | CHWK  | 780  | CKMO | 1410 | CMCA | 1350 | CMHQ | 1320 | CMKQ  | 1490 |
| CFCF | 600  | CJAT  | 910  | CKNB | 1210 | CMBC | 1250 | CMHT | 920  | CMKR  | 1400 |
| CFCB | 930  | CJBR  | 1030 | CKNX | 1200 | CMCD | 630  | CMHW | 950  | CMKS  | 860  |
| CFCN | 1030 | CJCA  | 730  | CKOC | 1120 | CMCF | 810  | CMHX | 1480 | CMKU  | 730  |
| CFCO | 630  | CJCB  | 1240 | CKOV | 630  | CMCG | 1080 | CMJA | 860  | CMKV  | 570  |
| CFCT | 1450 | CJ CJ | 690  | CKPC | 930  | CMCJ | 1550 | CMJC | 1390 | CMKW  | 1050 |
| CFCY | 630  | CJCS  | 1210 | CKPR | 580  | CMCH | 1050 | CMJE | 1230 | CMKX  | 1190 |
| CFGP | 1310 | CJGX  | 1430 | CKRN | 1370 | CMCK | 970  | CMJF | 930  | CMKY  | 1140 |
| CFJC | 880  | CJHC  | 1290 | CKSO | 780  | CMCL | 730  | CMJH | 1360 | CMKZ  | 1430 |
| CFLC | 930  | CJIC  | 1500 | CKTB | 1200 | CMCM | 850  | CMJI | 1130 | CMOA  | 1210 |
| CFNB | 550  | CJKL  | 560  | CKUA | 580  | CMCO | 1210 | CMJK | 1020 | CMOX  | 1510 |
| CFOS | 1370 | CJLS  | 1310 | CKVD | 1200 | CMCQ | 1410 | CMJL | 1330 | CMQ   | 690  |
| CFPL | 730  | CJOC  | 1370 | CKWX | 950  | CMCR | 1550 | CMJM | 870  | CMW   | 550  |
| CFPR | 580  | CJOR  | 600  | CKX  | 1120 | CMCU | 1110 | CMJN | 610  | CMX   | 880  |
| CFQC | 600  | CJRC  | 630  | CKY  | 910  | CMCW | 1510 | CMJO | 1260 | CMZ   | 920  |
| CFRB | 690  | CJRM  | 950  | CMAB | 1240 | CMCX | 1050 | CMJP | 1420 | CM9RT | 1580 |
| CFRC | 1510 | CKAC  | 730  | CMAC | 1030 | CMCY | 590  | CMJW | 1070 | FQN   | 609  |
| CFRN | 960  | CKBI  | 1210 | CMAN | 570  | CMGE | 1370 | CMJX | 900  | HIG   | 900  |
| CHAB | 1200 | CKCA  | 1420 | CMAR | 1400 | CMGF | 1120 | CMK  | 750  | HNN   | 1090 |
| CHCK | 1310 | CKCH  | 1210 | CMBC | 780  | CMGH | 1190 | CMKB | 1350 | HIT   | 1050 |

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| HIX  | 800  | KDON | 1210 | KFJZ | 1240 | KGEK | 1200 | KHSL | 1260 | KMO  | 1330 |
| HIZ  | 1370 | KDRO | 1500 | KFKA | 880  | KGER | 1360 | KHUB | 1310 | KMOX | 1090 |
| HIBQ | 1470 | KDTH | 1340 | KFKU | 1220 | KGZE | 1310 | KICA | 1370 | KMPC | 710  |
| HOK  | 640  | KDYL | 1290 | KFNF | 890  | KGFF | 1420 | KID  | 1320 | KMTR | 570  |
| HRN  | 1450 | KECA | 780  | KFOR | 1210 | KGfJ | 1200 | KIDO | 1350 | KMYC | 1420 |
| KABC | 1420 | KELA | 1440 | KFOX | 1250 | KGFL | 1370 | KIDW | 1420 | KMYR | 1310 |
| KABR | 1390 | KELD | 1370 | KFPL | 1310 | KGFW | 1310 | KIEM | 1450 | KNEL | 1500 |
| KADA | 1200 | KELO | 1200 | KFPW | 1370 | KGFX | 630  | KIEV | 850  | KNOW | 1500 |
| KALB | 1210 | KENO | 1370 | KFPY | 890  | KGGF | 1010 | KINY | 1450 | KNX  | 1050 |
| KALE | 1300 | KERN | 1370 | KFQD | 780  | KGGM | 1230 | KIRO | 710  | KOA  | 830  |
| KANS | 1210 | KEUB | 1420 | KFRC | 610  | KGHF | 1320 | KIT  | 1250 | KOAC | 550  |
| KARK | 890  | KEVR | 1370 | KFRO | 1340 | KGHI | 1200 | KITE | 1530 | KOAM | 790  |
| KARM | 1310 | KEX  | 1160 | KFRU | 630  | KGHL | 780  | KIUL | 1210 | KOB  | 1180 |
| KASA | 1210 | KFAB | 770  | KFSD | 600  | KGIR | 1340 | KIUN | 1370 | KOBH | 1370 |
| KAST | 1200 | KFAC | 1300 | KFSG | 1120 | KGIW | 1420 | KIUP | 1370 | KOCA | 1210 |
| KATE | 1420 | KFAM | 1420 | KFUN | 1420 | KGKL | 1370 | KJBS | 1070 | KOCY | 1310 |
| KAWM | 1500 | KFAR | 610  | KFUO | 830  | KGKO | 570  | KJR  | 970  | KOH  | 1380 |
| KBIX | 1500 | KFBB | 1280 | KFVD | 1000 | KGKY | 1500 | KLAA | 1210 | KOIL | 1260 |
| KBKR | 1500 | KFBC | 1420 | KFVS | 1370 | KGLO | 1210 | KLBM | 1420 | KOIN | 940  |
| KBND | 1310 | KFBI | 1050 | KFWB | 950  | KGLU | 1420 | KLCN | 1290 | KOKO | 1370 |
| KBPS | 1420 | KFBK | 1490 | KFXD | 1200 | KGMB | 1320 | KLO  | 1400 | KOL  | 1270 |
| KBST | 1500 | KFDA | 1500 | KFXJ | 1200 | KGNC | 1410 | KLPM | 1360 | KOMA | 1480 |
| KBTM | 1200 | KFDM | 560  | KFXM | 1210 | KGNF | 1430 | KLRA | 1390 | KOME | 1310 |
| KCKN | 1310 | KFDY | 780  | KFYO | 1310 | KGNO | 1340 | KLS  | 1280 | KOMO | 920  |
| KCMC | 1420 | KFEL | 920  | KFYR | 550  | KGO  | 790  | KLUF | 1370 | KONB | 1500 |
| KCMO | 1450 | KFEQ | 680  | KGA  | 1470 | KGU  | 750  | KLX  | 880  | KONO | 1370 |
| KCRC | 1360 | KFGQ | 1370 | KGB  | 1330 | KGVO | 1260 | KLZ  | 560  | KOOS | 1200 |
| KCRJ | 1310 | KFH  | 1300 | KGBU | 900  | KGW  | 620  | KMA  | 930  | KORE | 1420 |
| KDAL | 1500 | KFI  | 640  | KGBX | 1230 | KGY  | 1210 | KMAC | 1370 | KORN | 1370 |
| KDB  | 1500 | KFIO | 1120 | KGCA | 1270 | KHAS | 1200 | KMBC | 950  | KOTN | 1500 |
| KDFN | 1440 | KFIX | 1420 | KGCU | 1240 | KHBC | 1200 | KMED | 1410 | KOVC | 1500 |
| KDKA | 980  | KFJB | 1200 | KGcX | 1450 | KHBG | 1210 | KMJ  | 580  | KOVO | 1210 |
| KDLR | 1210 | KFJI | 1210 | KGDE | 1200 | KHJ  | 900  | KMLB | 1200 | KOWH | 660  |
| KDNT | 1420 | KFJM | 1410 | KGDM | 1100 | KHQ  | 590  | KMMJ | 740  | KOY  | 550  |

|      |      |      |      |      |      |       |      |        |      |      |      |
|------|------|------|------|------|------|-------|------|--------|------|------|------|
| KPAB | 1500 | KROW | 930  | KTUC | 1370 | KWFT  | 620  | TIEMC  | 860  | WAGF | 1370 |
| KPAC | 1220 | KROY | 1210 | KTUL | 1400 | KWG   | 1200 | TIEP   | 830  | WAGM | 1420 |
| KPDN | 1310 | KRRV | 880  | KTW  | 1220 | KWJB  | 1210 | TIFA   | 1000 | WAIM | 1200 |
| KPFA | 1210 | KRSC | 1120 | KUIN | 1310 | KWJJ  | 1040 | TIGH   | 690  | VAJR | 1250 |
| KPFT | 1210 | KSAC | 580  | KUJ  | 1370 | KWK   | 1350 | TIGPH  | 605  | WAJR | 1200 |
| KPHO | 1200 | KSAL | 1120 | KUOA | 1260 | KWKH  | 1100 | TIGPH2 | 1225 | WAKR | 1530 |
| KPLC | 1500 | KSAN | 1420 | KUSD | 890  | KWLC  | 1270 | TIHO   | 1030 | WALA | 1380 |
| KPLT | 1500 | KSCJ | 1550 | KUTA | 1500 | KWLK  | 1370 | TILJ   | 775  | WALB | 1230 |
| KPMC | 1550 | KSD  | 550  | KVAK | 1420 | KWLM  | 1310 | TILS   | 880  | WAML | 1310 |
| KPO  | 680  | KSEI | 900  | KVAN | 880  | KWNO  | 1200 | TINBC  | 1070 | WAOV | 1420 |
| KPOF | 880  | KFSO | 560  | KVCV | 1200 | KWOC  | 1310 | TING   | 750  | WAPI | 1140 |
| KPPC | 1210 | KSL  | 1130 | KVEC | 1200 | KWOS  | 1310 | TIOS   | 940  | WAPQ | 1420 |
| KPQ  | 1500 | KSLM | 1360 | KVFD | 1370 | KWSC  | 1220 | TIPG   | 625  | WARD | 1400 |
| KPRC | 920  | KSO  | 1430 | KVGB | 1370 | KWTO  | 560  | TIRCC  | 1200 | WARM | 1370 |
| KQV  | 1380 | KSOO | 1110 | KVI  | 570  | KWYO  | 1370 | TIRS   | 920  | WASH | 1270 |
| KQW  | 1010 | KSRO | 1310 | KVIC | 1310 | KXA   | 760  | TIXD   | 800  | WATL | 1370 |
| KRBC | 1420 | KSTP | 1460 | KVNU | 1200 | KXL   | 1420 | TIANRH | 725  | WATN | 1210 |
| KRBM | 1420 | KSUB | 1310 | KVOA | 1260 | KXO   | 1500 | TI5CV  | 575  | WATR | 1290 |
| KRE  | 1370 | KSUN | 1200 | KVOD | 630  | KXOK  | 1250 | VAS    | 685  | WATW | 1370 |
| KRGV | 1260 | KTAR | 620  | KVOE | 1500 | KXOX  | 1210 | VOCM   | 1040 | WAVE | 940  |
| KRIC | 1420 | KTBS | 1450 | KVOL | 1310 | KXRO  | 1310 | VONF   | 640  | WAWZ | 1350 |
| KRIS | 1330 | KTEM | 1370 | KVOO | 1140 | KXYZ  | 1440 | VOGY   | 840  | WAYX | 1200 |
| KRJF | 1310 | KTFI | 1240 | KVOR | 1270 | KYA   | 1230 | VOAC   | 1065 | WAZL | 1420 |
| KRKD | 1120 | KTHS | 1060 | KVOS | 1200 | KYAN  | 1370 | VOAR   | 950  | WBAA | 890  |
| KRKO | 1370 | KTKC | 890  | KVOX | 1310 | KYCA  | 1500 | VOWR   | 700  | WBAB | 1200 |
| KRLC | 1390 | KTMS | 1220 | KVRS | 1370 | KYOS  | 1040 | WAAB   | 1410 | WBAL | 760  |
| KRLD | 1040 | KTOH | 1500 | KVSF | 1310 | KYSM  | 1500 | WAAF   | 920  | WBAL | 1060 |
| KRLH | 1420 | KTOK | 370  | KVSO | 1210 | KYUM  | 1210 | WAAT   | 940  | WBAP | 800  |
| KRMC | 1370 | KTRB | 740  | KVWC | 1500 | KYW   | 1020 | WABC   | 860  | WBAX | 1210 |
| KRMD | 1310 | KTRH | 1290 | KWAL | 1420 | TGQ   | 1450 | WABI   | 1200 | WBBC | 1400 |
| KRNR | 1500 | KTRI | 1420 | KWAT | 1210 | TGW   | 1520 | WABY   | 1370 | WBBL | 1210 |
| KRNT | 1320 | KTSA | 550  | KWBG | 1420 | TGX   | 400  | WACO   | 1420 | WBMM | 770  |
| KROC | 1310 | KTSM | 1310 | KWEW | 1500 | TGI   | 1310 | WADC   | 1320 | WBBR | 1300 |
| KROD | 1500 | KTSW | 1370 | KWFC | 1310 | TIAFB | 900  | WAGA   | 1450 | WBBZ | 1200 |

|           |           |           |            |           |           |
|-----------|-----------|-----------|------------|-----------|-----------|
| WBCM 1410 | WCBA 1440 | WDAS 1370 | WEST 1200  | WGAU 1310 | WHBB 1500 |
| WBEN 900  | WCBD 1080 | WDAY 940  | WESX 1200  | WGBB 1210 | WHBC 1200 |
| WBHP 1200 | WCBI 1370 | WDBJ 930  | WEVD 1310  | WGBF 630  | WHBF 1240 |
| WBIG 1440 | WCBM 1370 | WDBO 580  | WEW 760    | WGBI 880  | WHBI 1250 |
| WBIR 1210 | WCBS 1420 | WDEF 1370 | WEXL 1310  | WGBR 1370 | WHBL 1300 |
| WBLK 1370 | WCBT 1200 | WDEL 1120 | WFAA 800   | WGCM 1210 | WHBQ 1370 |
| WBML 1420 | WCCO 810  | WDEV 550  | WFAM 1200  | WGES 1360 | WHBU 1210 |
| WBNS 1430 | WCED 1200 | WDGY 1180 | WFAS 1210  | WGGA 1210 | WHBY 1200 |
| WBNX 1350 | WCFL 970  | WDLP 1200 | WFBC 1300  | WGH 1310  | WHCU 850  |
| WBNY 1370 | WCHS 580  | WDMJ 1310 | WFBG 1310  | WGIL 1500 | WHDF 1370 |
| WBOC 1500 | WCHV 1420 | WDNC 1500 | WFBL 1360  | WGKY 1500 | WHDH 830  |
| WBOW 1200 | WCKY 1490 | WDOD 1280 | WFBM 1230  | WGL 1370  | WHDL 1420 |
| WBRB 1210 | WCLE 610  | WDRC 1330 | WFR 1270   | WGMA 1210 | WHEB 740  |
| WBRC 930  | WCLO 1200 | WDSM 1200 | WFCI 1390  | WGN 720   | WHEC 1430 |
| WBRE 1310 | WCLS 1310 | WDSU 1250 | WFD 1310   | WGNC 1420 | WHFC 1420 |
| WBRK 1310 | WCMI 1310 | WDWS 1370 | WFEA 1340  | WGN 1220  | WHIO 1260 |
| WBRW 1310 | WCNC 1370 | WDZ 1020  | W FAR 1310 | WGOV 1420 | WHIP 1480 |
| WBRY 1530 | WCNW 1500 | WEAF 660  | WFIG 1310  | WGPC 1420 | WHIS 1410 |
| WBT 1080  | WCOA 1340 | WEAN 780  | WFIL 560   | WGR 550   | WHIZ 1210 |
| WBTH 1370 | WCOC 880  | WEAU 1050 | WFLA 620   | WGRB 1200 | WHJB 620  |
| WBTM 1370 | WCOL 1200 | WEBC 1290 | WFMD 900   | WGRC 1370 | WHK 1390  |
| WBZ 990   | WDOP 1120 | WEBQ 1210 | WFMJ 1420  | WGRM 1210 | WHKC 640  |
| WBZA 990  | WCOS 1370 | WEBR 1310 | WFNC 1340  | WGST 890  | WHKY 1370 |
| WCAD 1220 | WCOU 1210 | WEDC 1210 | WFOR 1370  | WGTC 1500 | WHLB 1370 |
| WCAE 1220 | WCOV 1210 | WEED 1420 | WFOY 1210  | WGTM 1310 | WHLD 1260 |
| WCAL 760  | WCPO 1200 | WEEI 590  | WFPG 1420  | WGY 790   | WHLS 1370 |
| WCAM 1280 | WCRW 1210 | WEEU 830  | WFTC 1200  | WHA 940   | WHMA 1420 |
| WCAO 600  | WCSC 1360 | WELI 930  | WFTL 1370  | WHAL 950  | WHN 1010  |
| WCAP 1280 | WCSH 940  | WELL 1420 | WFTM 1210  | WHAI 1210 | WHO 1000  |
| WCAR 1100 | WDAE 1220 | WEMP 1310 | WFVA 1260  | WHAM 1150 | WHOM 1450 |
| WCAT 1200 | WDAF 610  | WENR 870  | WGAC 1210  | WHAS 820  | WHOP 1200 |
| WCAU 1170 | WDAH 1310 | WENY 1200 | WGAL 1500  | WHAT 1310 | WHP 1430  |
| WCAX 1200 | WDAK 1310 | WEOA 1370 | WGAN 560   | WHAZ 1300 | WHUB 1370 |
| WCAZ 1070 | WDAN 1500 | WERC 1500 | WGAR 1450  | WHB 860   | WIBA 1280 |

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| WIBC | 1050 | WJEJ | 1210 | WKPT | 1370 | WMAZ | 1180 | WNAD | 1010 | WPAD | 1420 |
| WIBG | 970  | WJHL | 1200 | WKRC | 550  | WMBC | 1420 | WNAX | 570  | WPAR | 1420 |
| WIBM | 1370 | WJHO | 1370 | WKST | 1250 | WMBD | 1440 | WNBC | 1380 | WPAT | 900  |
| WIBU | 1210 | WJHP | 1290 | WKY  | 900  | WMBG | 350  | WNBK | 1500 | WPAX | 1210 |
| WIBW | 580  | WJIM | 1210 | WKZO | 590  | WMBH | 1420 | WNBH | 1310 | WPAY | 1370 |
| WIBX | 1200 | WJJD | 1130 | WLAC | 1470 | WMBI | 1080 | WNBX | 1260 | WPEN | 920  |
| WICA | 940  | WJLS | 1210 | WLAF | 620  | WMBO | 1310 | WNBZ | 1290 | WPIC | 780  |
| WICC | 600  | WJMC | 1210 | WLAK | 1310 | WMBR | 1370 | WNEL | 1290 | WPID | 1210 |
| WIL  | 1200 | WJMS | 1420 | WLAP | 1420 | WMBB | 1420 | WNEW | 1250 | WPRA | 780  |
| WILL | 580  | WJNO | 1200 | WLAV | 1310 | WMC  | 780  | WNLC | 1500 | WPRO | 630  |
| WILM | 1420 | WJOB | 1200 | WLAW | 680  | WMCA | 570  | WNOE | 1420 | WPRP | 1420 |
| WIND | 560  | WJPF | 1310 | WLB  | 760  | WMEX | 1500 | WNOX | 1010 | WPTF | 680  |
| WING | 1380 | WJPR | 1310 | WLBC | 1310 | WMFD | 1370 | WNYC | 810  | WQAM | 560  |
| WINN | 1210 | WJR  | 750  | WLBK | 1310 | WMFF | 1310 | WOAI | 1190 | WQAN | 880  |
| WINS | 1180 | WJRD | 1200 | WLBL | 900  | WMFG | 1210 | WOC  | 3370 | WQBC | 1360 |
| WINX | 1310 | WJSV | 1460 | WLBZ | 620  | WMFJ | 1420 | WOCB | 1210 | WQDM | 1390 |
| WIOD | 610  | WJTN | 1210 | WLEU | 1420 | WMFR | 1200 | WOI  | 640  | WQXR | 1550 |
| WIP  | 610  | WJW  | 1210 | WLLH | 1370 | WMGA | 1370 | WOKO | 1430 | WRAK | 1370 |
| WIRE | 1400 | WJZ  | 760  | WLLH | 1370 | WMIN | 1370 | WOL  | 1230 | WRAL | 1210 |
| WIS  | 560  | WKAQ | 1240 | WLNH | 1310 | WMJM | 1500 | WOLF | 1500 | WRAW | 1310 |
| WISE | 1370 | WKAR | 850  | WLOF | 1200 | WMMN | 890  | WOLS | 1200 | WRBL | 1200 |
| WISN | 1120 | WKAT | 1500 | WLOG | 1200 | WMOB | 1200 | WOMI | 1500 | WRC  | 950  |
| WIZE | 1310 | WKBB | 1500 | WLOK | 1210 | WMOG | 1500 | WOMT | 1210 | WRDO | 1370 |
| WJAC | 1370 | WKBH | 1380 | WLOL | 1300 | WMPC | 1200 | WOPJ | 1500 | WRDW | 1500 |
| WJAG | 1060 | WKBN | 570  | WLPM | 1420 | WMPB | 1430 | WOR  | 710  | WREC | 600  |
| WJAR | 890  | WKBO | 1200 | WLS  | 870  | WMRC | 1500 | WORC | 1280 | WREN | 1220 |
| WJAS | 1290 | WKBV | 1500 | WLTH | 1400 | WMRN | 1500 | WORD | 1370 | WRGA | 1500 |
| WJAX | 900  | WKBW | 1480 | WLVA | 1200 | WMRO | 1250 | WORK | 1320 | WRJN | 1370 |
| WJBC | 1200 | WKBZ | 1500 | WLW  | 700  | WMSD | 1420 | WORL | 920  | WRNL | 880  |
| WJBK | 1500 | WKEU | 1500 | WMAL | 630  | WMSL | 1370 | WOSU | 570  | WROK | 1410 |
| WJBO | 1120 | WKIP | 1420 | WMAM | 570  | WMT  | 600  | WOV  | 1100 | WRR  | 1280 |
| WJBY | 1210 | WKNY | 1500 | WMAN | 1370 | WMVA | 1420 | WGW  | 590  | WRTD | 1500 |
| WJBW | 1200 | WKOK | 1210 | WMAQ | 670  | WNAB | 1420 | WOWO | 1160 | WRUF | 830  |
| WJDX | 1270 | WKPA | 1120 | WMAS | 420  | WNAC | 1230 | WPAB | 1340 | WRVA | 1110 |

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| WSAI | 1330 | WSTP | 1500 | WTRY | 950  | XEBH | 930  | XEFB | 870  | XEN  | 780  |
| WSAJ | 1310 | WSTV | 1310 | WTSP | 1370 | XEBI | 1000 | XEFC | 1340 | XENT | 910  |
| WSAM | 1200 | WSUI | 880  | WVFW | 1400 | XEBJ | 1340 | XEH  | 740  | XEOA | 750  |
| WSAN | 1440 | WSUN | 620  | WWJ  | 920  | XEBK | 1080 | XEHK | 1230 | ZEON | 750  |
| WSAR | 1450 | WSVA | 550  | WWL  | 850  | XEBL | 1220 | XEFE | 980  | XEOX | 1230 |
| WSAU | 1370 | WSVS | 1370 | WWNC | 570  | XEBO | 1330 | XEFI | 1440 | XEP  | 1160 |
| WSAV | 1310 | WSYB | 1500 | WWNY | 1270 | XEBP | 1150 | XEFM | 1160 | XEPN | 740  |
| WSAY | 1210 | WSYR | 570  | WWRL | 1500 | XEBS | 1340 | XEFO | 940  | XEPP | 1400 |
| WSAZ | 1190 | WTAD | 900  | WWSW | 1500 | XEBU | 1240 | XEFG | 1010 | XEQ  | 730  |
| WSB  | 740  | WTAG | 580  | WWVA | 1160 | XEBW | 1340 | XEFV | 1210 | XEQK | 1500 |
| WSBC | 1210 | WTAL | 1310 | WXYZ | 1240 | XEBX | 640  | XEFW | 1310 | XERA | 840  |
| WSBT | 1360 | WTAM | 1070 | W8XO | 700  | XEBZ | 810  | XEG  | 1230 | XERB | 1090 |
| WSFA | 1410 | WTAQ | 1330 | XEA  | 1400 | XEC  | 1150 | XEHR | 1230 | XERC | 830  |
| WSGN | 1310 | WTAR | 780  | XEAA | 750  | XECA | 1230 | XEI  | 1370 | XERH | 1430 |
| WSIX | 1210 | WTAW | 1120 | XEAC | 980  | XECH | 1490 | XEJ  | 1020 | XERK | 1450 |
| WSJS | 1310 | WTAX | 1210 | XEAD | 1240 | XECL | 1110 | XEJP | 1130 | XES  | 990  |
| WSKB | 1200 | WTBO | 800  | XEAF | 1000 | XECW | 1240 | ZEJR | 1490 | XESM | 1270 |
| WSLB | 1370 | WTCM | 1370 | XEAG | 1310 | XECZ | 1370 | XEK  | 1000 | XET  | 690  |
| WSLI | 1420 | WTCN | 1250 | XEAI | 1250 | XED  | 1160 | XEKL | 1240 | XETB | 1310 |
| WSLS | 1500 | WTEL | 1310 | XEAJ | 1400 | XEDA | 1220 | XEKR | 1280 | XEU  | 1010 |
| WSM  | 650  | WTHT | 1200 | XEAM | 750  | XEDE | 1400 | XEKS | 1240 | XEW  | 890  |
| WSMB | 1320 | WTIC | 1040 | XEAO | 660  | XEDF | 810  | XEL  | 1150 | XEWE | 720  |
| WSNJ | 1210 | WTJS | 1310 | XEAP | 1340 | XEDH | 1340 | XELK | 1230 | XEX  | 1310 |
| WSOC | 1210 | WTMA | 1210 | XEAS | 1160 | XEDJ | 1450 | XELO | 670  | XEXB | 1270 |
| WSOO | 1200 | WTMC | 1500 | XEAT | 1210 | XEDL | 1240 | XELW | 1340 | XEXE | 1270 |
| WSOY | 1310 | WTMJ | 620  | XEAU | 1400 | XEDP | 1080 | XELZ | 1370 | XEXH | 1150 |
| WSPA | 920  | WTMV | 1500 | XEAW | 960  | XEDR | 1490 | XEM  | 1390 | XEXX | 1170 |
| WSPB | 1420 | WTNJ | 1280 | XEB  | 1030 | XEDS | 1400 | XEME | 1240 | XEY  | 1450 |
| WSPD | 1340 | WTOC | 1260 | XEBA | 1080 | XEDW | 1150 | XEMO | 860  | XEZ  | 650  |
| WSPR | 1140 | WTOL | 1200 | XEBC | 1240 | XEE  | 1210 | XEMU | 580  | YSS  | 640  |
| WSSJ | 1500 | WTRC | 1310 | XEBG | 820  | XEF  | 1450 | XEBX | 1280 | ZNS  | 790  |

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**STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC.**

Required by the Acts of Congress of Aug. 24, 1912, and March 3, 1933.

Of Radio Index, published bi-monthly at Emerson, New Jersey, for Oct. 1, 1940.

State of New Jersey, County of Bergen, ss.:

Before me, a Notary Public in and for the State and county aforesaid, personally appeared Page Taylor, who, having been duly sworn according to law, deposes and says that he is the Business Manager of the RADIO INDEX, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, as amended by the Act of March 3, 1933, embodied in section 537, Postal Laws and Regulations, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, The Radex Publishing Co., 12 Locust Ave., Emerson, N. J. Editor, Page Taylor, 12 Locust Ave., Emerson, N. J. Managing Editor, None. Business Manager, Page Taylor, 12 Locust Ave., Emerson, N. J.

2. That the owner is: The Radex Publishing Co., 12 Locust Ave., Emerson, N. J. The following are the names and addresses of stockholders holding 1 per cent. or more of the capital stock of The Radex Publishing Co.: L. A. Byrne, 12 E. 48th St., N. Y., N. Y., as trustee for W. B. Auer, 148 Copley Ave., Teaneck, N. J.; A. F. Wiese, 91 Griggs Ave., Teaneck, N. J. and W. C. Auer, 148 Copley Ave., Teaneck, N. J.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

Page Taylor, Business Manager.

Sworn to and subscribed before me this 30th day of September, 1940.

William Butterworth.

(Seal) (My commission expires Sept. 7, 1942).

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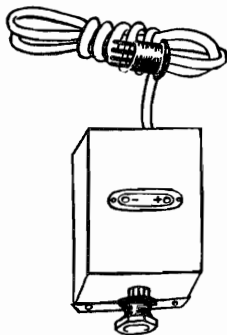
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