

RADIO IN DEX

The All-Wave Radio Log Authority

NSE

No. 140

NOVEMBER-DECEMBER, 1940

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SEE PAGE 96**

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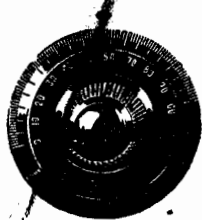
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RADIO IN DEX

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 readjusted 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.

RADEX

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.	
Quebec, 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.

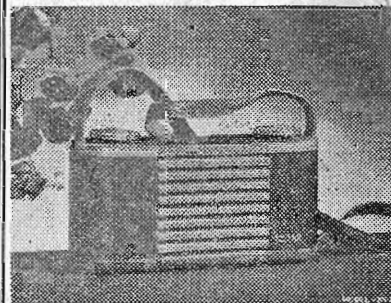
The \$30 cash prize which was previously announced for the winner of the All-Wave Championship will now be offered to the runner-up in this division.

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. Wieand 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.

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SEND STANDING NOW

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.

Gentlemen:

Date.....

My entry in the RADEX Contests follows:

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

Name

Address

City and State

1

HIGH FREQUENCY GLOBE TROTTING

By RAY La Rocque

Report-O-Meter

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

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 our 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 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

RADEX

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: XE1GH 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 W3XK, 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 accidentally 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 McMahon, 6 Central Ave., Glen Cove, L. I., N. Y.: "Regarding the Report-O-Meter versus a Supremacy contest I am strickly 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 around 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. (McMahon, N. Y.)

NNBF on 3410 kcs. at Chesapeake Light, was heard with good signal. (McMahon, 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. (McMahon, N. Y.)

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

**YOUR COPY OF RADEX
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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", WOHQ 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!

WIXOJ 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.

WIXTG, 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 signal 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 verities it will save time if you write direct to Department of Information, 375 Collins St., Melbourne, C. 1., Australia. Verities are cream colored with outline of Australia and a large Kangaroo across the card. Schedule of "ABC" stations:

VLQ n 09615 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 India 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 8-8:15 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., McMahon, N. Y., McGrail, Mich., Woolacott, 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. (Woolacott, N. Y., Podall, Vt., Laudansky, Mass., McConnell Ohio, McMahon, 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., McMahon, 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 Chungking 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. "Radiodiusora 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

p.m. on Tues., Thurs., and Sat. IRC's are not accepted and 10c in coin should be sent for verification. (Jewell, Calif., Laudansky, Mass. and McMahon, N. Y.)

CUBA

CMA-5 on 15505 kcs. was the station broadcasting all nightly programs from Havana during the Pan American Conference. (Kane, Penna.) ly with R9 plus signal at 6:30 p.m. (Laudansky, Mass.)

COCM on 9810 kcs. have been heard broadcasting fell known American selections 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 English. 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. (Jewell, Calif.)

COHI on 6455 kcs. at Santa Clara comes in like a local from 5 p.m. until 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. (Laudansky, Mass., 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 McMahon, N. Y.

DOMINICAN REPUBLIC

HI-1J on 5960 kcs. is heard evenings 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. (Laudansky, Mass.)

HI-1N on 6245 kcs. was heard signing off on a Sunday at 9:45 p.m. (Brown, Md.)

HI-1S on 6430 kcs. in Santiago is heard from 7-8:50 p.m. Slogan is "La Voz de Hispaniola". (Williams, N. J.)

HI-9B on 6383 kcs. heard at 6:40 p.m. announcing as "Broadcasting Hotel Mercedes." (Laudansky, Mass.)

ECUADOR

HCIB on 12460 kcs. at Quito maintains a schedule from 6-10 p.m. daily except Monday. (Jewell, Calif., Laudansky, Mass. Stephenson Okla., McMahon, N. Y., Taylor, Ky., Woolacott, 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 Spanish speech were used on the programs. (Laudansky, Mass.)

EGYPT

SUX on 7865 kcs. at Cairo broadcasts 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 being heard now with a new transmission from 12-12:30 a.m. The first fifteen 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 broadcasting 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 station 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 operating on 9520 kcs. occasionally at night and every Sunday morning

from 1-2 a.m. (Williams N. J., Webb, Texas.)

FRENCH INDO CHINA

"Radio Saigon" on 11780 kcs. verified with a nice card printed in English and French with large red letters saying "Radio Saigon" in center. In pale green on card is a native dancing girl. Official schedule: 5:30-11 a.m. and 12:05-12:45 a.m. On the 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.,

Webb, Texas, Taylor, Ky., Mills, Ont.)

New "DX—" calls assigned by Germany to stations in Poland and Czechoslovakia: DXO on 6010 kcs., DXP on 6030 kcs., DXD-2 on 6115 kcs., DXQ on 6170 kcs., DXY on 0525 kcs., DXZ on 9570 kcs., DXC-2 on 11740 kcs., DXR on 11760 kcs., DXW on 11840 kcs., DXH on 15120 kcs., DXS on 15160 kcs., DXT on 15230 kcs., DXU on 15320 kcs., and DXV no 15830 kcs. (Stephenson, Okla.)

DZC on 10290 kcs. at Berlin was heard at 7:45 p.m. with news in German. (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 bombs 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 falling 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, and 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

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

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

HAT-6 on 19600 kcs. 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

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.)

XXEWV 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

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

Ray LaRocque
105 Highland St.,
Worcester, Mass.

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

K 5 A M

Radio...
QSO...
...EST
...19.39

Ur. Sign...
BAND...
...EST

RECEIVER
NC-10A &
COMET PRO

Remarks...
Headquarters Company, Fort Delaware, G. D.

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...KCFT'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 TGO 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 HALLICRAFTERS 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 WHBL 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 veritable record of 83. Some of my good catches are: KFBK, KFPY, KGEI, 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-

tlemen 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. KFUD 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, KFWB, 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

YOUR COPIES OF RADEX WILL BE RESERVED. SEE PAGE 96

A request program. . . . WLWL 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. . . . WTCM 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, WDZ 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. . . . WGTN, 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.)

WCMJ 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 Monterey 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. . . WOGB 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!

**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 geta 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 veries, 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

RADEX

YS1JGM, CP3AB, CP3AC and CP1XA.

YPIMS 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.

YOU BENEFIT FIVE WAYS
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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.

CHILE-CE3AG sends a black and purple QSL picturing an SWL holding up a ham and demanding his card. Phil Bates says he QSLs without demanding return postage.

CUBA—By all means contact CO8MP if you want a good-looking card. It's black print makes it outstanding. The Cuban QSLed for T. E. Smith, Jr., in less than eight days. CO2JH sends a white card with black call letters. On the back of the card he gives information about his station. CM6XX on 14100 was heard by Jack Wells when the op was aboard the yacht "Intrepid" cruising off the Isle of Pines. The new QRA of CO2KP is Conrade G. Nunez, Manrique 109, Havana.

Many of the Cubans have been having QSO's with W's in violation of FCC rules, but no calls are being signed. Somehow, we can't quite blame the boys for wanting a rag chew once in a while.

EL SALVADOR—YS3PL on 14150 is asking for SWL reports. And he has one of the most unusual QSL's yet—a gold-lettered card with letters in real gold! YS1JS verified for Jack Wells with a large-sized card with one-inch red letters and dark grey trimming through the center. He is a member of the Club Radio de Los Amadores Salvadoreno. YS1JGM seems to be the newest YS.

GUAM—Send 10 cents with your report and you'll probably receive KB6CBN'S card. He does QSL! QRA of KB6EMI is Win W. Tompkins, Globe Wireless, Ltd., Agana, Guam. Johnny Reber, op of KB6OCL in 1939, now is in Peking, China, with the Marine Corps and the present op of the station is Johnny R. Breeze, ex-W7EXN, W6RKU. He has operated KB6OCL now for four months. He likes the island, but someday wants to get a lokoaround China. Listen for him on 14235 or 14200. He QSL's gladly!

HAITI—HH4AS usually writes "Confirmed" on the back of your own card—so you know what to do

if you want an HH QSL!

HAWAII—K6SYM is a new K6 on 14160 who blazes through in the mornings. He is J. A. Rutledge, 718 18th St., Kaimuki, Honolulu. The QRA of KE6SRA on Johnston Island is "In care of postmaster at Honolulu". K6GMV is back at his home in Honolulu and reports that went unanswered may be sent to him at his K6MV QRA. W6JDD/K6 is a new one for the log. He is operating portable in Lihue, Kauai, using a 25-watt HALLICRAFTER transmitter. He is an announcer at the new Lihue BCB station owned by Mike (K6RRA) Fern's father. His name—Robert E. Barrington—"Bob" to his friends.

INTERNATIONAL SETTLEMENT, SHANGHAI—Jack Wells sends this little story: W5HSG recently worked a station claiming to be located in the American section of the International Settlement at Shanghai, who signed as WILSV, portable aboard the trailer, "Continental Clipper." HSG, doubting the station's authenticity, queried the local radio inspector, who advised him in his next QSO with ILSV (a sked had been arranged) to get more information so the FCC could check up on him. Now, the mystery remains: what is the status of WILSV heard in Shanghai? Legitimate or otherwise?



W5VW, amateur station in Austin, Texas, sends this attractive QSL card. It is printed in black and red. (Courtesy of Sterling Fisher).

IRAQ—If you happen to hear YI2BA, 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 Tsuru 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. KC4USE 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. Muncy, 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 Tavener (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
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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 Fresno, 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, I2AA, 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)

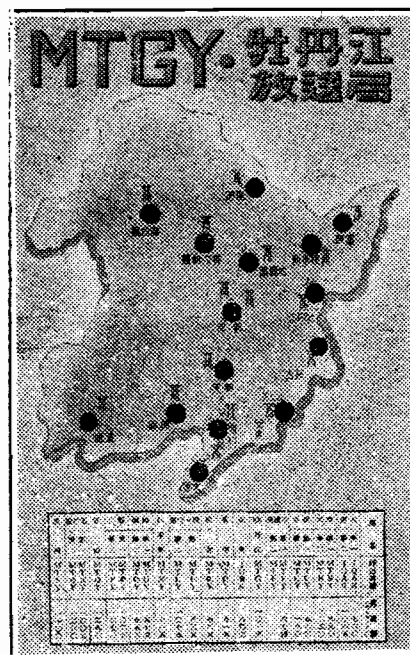
England

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.	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 HVI	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.	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 YV1RI	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.

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6023 XEUW	Vera Cruz, Ver. C. 10 pm-1 am.	6140 OQ2AA	Leopoldville, Belgian Congo. Sunday 5:30-7 am.
6030 CRVJ	Calgary, Alta. 10 am-2 pm.	KZRF	Manila, Philippines. 4:30-11 am.
RV96	Moscow, U. S. S. R. 1-7 pm; 8:30-9 pm.	WPIT	Pittsburgh, Pa. 9-10 pm; 11 pm-1 am.
6033 HP5B	Panama City Panama. 10:30 am-2 pm; 6-10 pm.	6148 ZTD	Durban, Union of S. Africa. Sun. 11:55 pm-3 am; Other days 11:45 pm-3:15 am.
6040 WRUL	Boston, Mass. Sun. 2-9 pm; Weekdays 5:30-8:30 pm.	HJDE	Medellin, Colombia. 9:30 am-1 pm; 5-11:30 pm.
6045 XETW	Tampico, Tams. 7 pm-1 am.	YSW	San Salvador, E. S. 7-9:15 pm.
6050 GSA	London, Gt. Britain. 12:25-5 am; 5:40-11:30 am; 11:45 am-6 pm; 6:30-8 pm.	6152 HI5N	Moca, Dominican Rep. 6:40-9:10 pm.
HP5F	Colon, Panama. 7-9 pm.	6150 CJRO	Winnipeg, Man. 3:30 pm-1:30 pm.
6055 HJFA	Pereira, Colombia. 9 am-noon; 6:30-10 pm.	6160 HJCD	Nueva Granada, Colombia. 11:30 pm.
VK9MI	S. S. "Kanimbila." Sun, Wed, Thurs, 7-7:30 am.	6170 WCBX	New York N. Y. Midnight to 2 am.
6060 WCAB	Philadelphia, Pa. Sun, Tues. Fri. 6:30-11 pm; Wed. 6:30-8:30 pm.	6175 XEXA	Mexico City, D. F. 8-11 am; 2:30-4 pm; 7:30 pm-12:45 am.
WLWO	Cincinnati, Ohio. Sun. 8 am-6:30 pm; Weekdays 5:45 am-6:30 pm.	6180 LRA2	Buenos Aires, Argentina. Sat, Sun, 7-9 pm. Other days 6-9 pm.
YDD	Bandoeng, Java, N. E. I. 5:30 am.	6185 TIRCC	San Jose, Costa Rica. Tues, Thurs, Sat, 6-7 pm; Sun. 8-10 pm.
6070 CFRX	Toronto Ont. 7 am-12:30 am; Sun. 10 am-11 pm.	6190 HI1A	Santiago, Dom. Rep. 10:40 am-1:40 pm; 6:40-9:40 pm.
6090 CRCX	Toronto, Ont. Sun. 9:30 am-11 pm; Other days 6:45 am-4 pm.	HVJ	Vatican City. Sun. 8:30-9 pm; 9-9:30 pm; Sun, Wed, 9:30-10 pm.
KZRH	Manila, Philippines. 4-11 am.	KGEI	San Francisco, Calif. Midnight-3 am.
XEBF	Jalapa, Ver. C. 8-9:30 pm.	6193 TG2	Guatemala City, Guat. 7:30-10 am; 6-11:30 pm.
ZBW2	Hong Kong.	6195 HI2D	Trujillo, Dom. Rep. 5:10-7:10 pm.
ZNS2	Nassau, Bahamas. 8-9 am; 9-4 pm; 7-9 pm.	6200 CP5	La Paz, Bolivia. 6:30-11 pm.
6095 IZH	Tokyo, Japan.	HI8Q	Trujillo, Dom. Rep.
6097 ZRJ	Johannesburg, Union of S. Africa. 3-7 am.	6215	Saigon, French Indo-China. 7:30-9:45 am; 11:45 pm-1 am.
6100 WNBI	Bound Brook, N. J. 8:45 pm-1 am.	6235 HRD	La Ceiba, Honduras. 8-11 pm; Sat. 8 pm-1 am; Sun. 4-6 pm.
YUA	Belgrade, Yugoslavia. 12:45-2 pm; 2:20-4:20 pm.	6245 HIIN	Ciudad Trujillo, D. R., 5:10-9:40 or 10:10 pm.
6105 HJFB	Manizales, Colombia. Sat. 5:30-11 pm; Sun. 2:30-5 pm; pm; Other days 5:30-10 pm.	6255 CPI2	La Paz, Bolivia. 7-9 pm.
6110 GSL	London, Gt. Britain. 9:30-11:35 pm.	6280 HIIG	Trujillo City, D. R. 6:40-8:40 am; 11:40 am-2:10 pm; 3:40-9:40 pm.
6110 XEGW	Mexico City, D. F. 11 pm-1 am.	6300 OAX4G	Lima, Peru. Daily 6-12 mid.
6112 HI6H	Trujillo, Dom. Rep. 5-8:30 pm.	6310 HIIZ	Ciudad Trujillo, D. R., Daily except Sun. 11:40 am-12:40 pm; 5:10-7:40 pm.
6116	Saigon, French Indo-China. 12:15-12:45 am; 6:10-15 am.	6330 COCW	Havana, Cuba. 7:55 am-12:15 am; un. 9:55 am-12:15 pm.
6117 XEUZ	Mexico City, D. F. 9 am-1 pm; 7 pm-2 am.	6335 OAXIA	Ica, Peru. 8-11 pm.
6120 WCBX	New York, N. Y. Midnight until 2 am.	6340 HIIX	Ciudad Trujillo, D. R., Sun. 7:40-9:40 am, daily 8:10-10:10 pm.
6122 HP5H	Panama City, Panama. 6-10:30 pm.	6345 HH3W	Port-Au-Prince, Haiti. -2, 7-9 pm. Sun. 5-8 pm.
6125 MTCY	Hsinking, Manchukuo. 8:30-9:30 am.	6357 HRPI	San Pedro Sula, Honduras. 6-7:30 am, 2-4 pm.
6130 CHNX	Halifax, N. S. Sat. 8 am-11:30 pm; Sun. Noon-11 pm; Other days 6:45 am-11:15 pm.	6375 COCQ	Havana Cub. 6:50 am. 1 am.
HS4PJ	Bangkok, Thailand. 8-10 am.	6380 TIWS	Puntarenas, C. R., 5-7, 7:30-10 pm; Sun. 5-6 pm.
TIEM	San Jose, Costa Rica. Sun. 10 am-pm; Weekdays 11 am-11 pm.	6384 ZIZ	Basseterre, St. Kitts. 4-4:45 pm, Wed. 7:30 pm.
VLW	Perth, Australia.	6395 HI9B	Santiago, D. R., 7:40-8:40 pm.
6132 CQCD	Havana, Cuba. Sun. 5:30-8 pm. Weekdays 9 am-10:30 pm.		
6135 FK3AA	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.
Fri. 8-11 pm. Sat. 8 pm-1 am.; Sun. 7:30 am-3 pm.
6400 TGOA Quezaltenango, Guat. Mon.
6430 H11S Santiago, D. R., 5:40 9:10 pm. Ex. Sun.
H14V San Francisco De Macoris, D. R., 11:40 am-1:40 pm., 5:10-9:40 pm.
6455 COHI Santa Clara, Cuba. 6:42 am-12:15 am.
6480 TGWB 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.
6500 H11L Santiago De Los Caballeros, D. R., 5:30-9:30 pm. ex. Sun. Managua, Nicaragua. 1-2:30, 8:10 pm. Except Sun.
6540 YN1GG 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.
TIRCC
6550 XBC Vera Cruz, Ver. C. 8:15-9 am.
6558 H14D Ciudad Trujillo, D. R., 12:30-2, 6-8 or 9 pm. Except Sun.
6565 H15P Puerto Plata, D. R., 5:40-7:40, 9:40-11:40 pm.
6610 YNLG Managua, Nicaragua. 1:30-2:30, 6:40-15 pm.
6625 PRADO Rio Bamba, Ecuador. Thur. 9:11-45 pm.
6630 H11T 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.
6635 HC2RL Guayaquil, Ecuador. Sun. 5:45-7:45 pm., Tues. 9-15-11:15 pm.
6675 H1BQ Geneva, Switzerland. Sun. 1:45-2:45 pm.
6695 T1EP San Jose, Costa Rica. 7-Midnight.
6720 PMH Bandoeng, Java, N. E. I. 4:30-11 or 11:30 am. Also Sat. 8:30 pm-1:30 am.
6730 T13C La Romana, Dom. Rep., 4:55-8 pm.
6760 YNRF Managua, Nicaragua. 6:40-10:40 pm.
6760 H17P Ciudad Trujillo, Dom. Rep., 7:10-8:40 pm. Sun. 9:40-10:40 pm.
6800 PZH Paramaribo, Surinam. Sun. 8:40-10:40 am. Tues. & Fri. 5:40-8:40 pm. 1st & 3rd Thurs. monthly 6:40-8:40 pm.
6810 H1H San Pedro De Macoris, Dom. Rep., 7-9:40 pm. Sun. 5:20-6:40 pm.
6847 YNOP Managua, Nicaragua. 8-9:30 pm.; Sun. 2-3 pm.
6850 XOID Hankow, China 6-8:35 am.
6900 H16H Trujillo City, D. R., 7:40-8:40 pm.
6960 27B Wellington, N. Z., Mid-7 am.
6977 XBA Tacubaya, D. F., 9:30 am-1 pm., 7-8:30 pm.
7010 XPSA Kweiyang, China 5:30, or 6-11 am. 5-6 pm.
7100 FO8AA Papeete, Tahiti. Tues. and Fri. 11 pm-12 mid.
7177 CR6AA Lobito, Portuguese West Africa. Mon Wed Sat 2:45-4:30 pm.

7210 2RO Rome, Italy. 6-7:55 pm.
7220 EAJ9 Malaga, Spain. 4-6 pm.
HAD Budapest, Hungary. 9 pm-midnight.
YDX Medan, Sumatra, N. E. I. Sat. 7:30 pm-1:30 am. Other days 10:30 pm-2 am.; 6-10:30 am.
7250 Y4DA Iandjonkprlok, Java, N. E. I. Sat. 3:30 pm-2 am.; other days 10:30 pm-2 am.
7258 JVV Tokyo, Japan. 2-4 pm.
7260 CSW8 Lisbon, Portugal. Tues. Thurs. Sat. 5-6 pm.
GSU London, Gt. Britain.
7270 BXM Berlin, Germany.
7280 TPB25 Paris, France. 1-4 am., 10-15 am-4:15 pm.
7284 YN11P Managua, Nicaragua. Sun. 10-11 am.
7290 DH Berlin, Germany 5-5:15 am.
7295 JIE Taiwan. 9:10-30 am.
7310 VIG Port Moresby, Papua. Sat. 3-5 am.
7380 NECR Mexico City, D. F. Sun. 6-7 pm.
7410 HCB4 Quito, Ecuador. 7-9:30 pm.
7440 FGR4H Poinre-a-Pitre, Guadeloupe. Sun. 9:30-11 am.; Daily 6-7 pm.
7450 T12RS San Jose, Cost Rica. 7-11 pm.
7490 EAJ43 Tenerife, Canary Islands. 7-8 pm.
7520 KK11 Kahuku, Hawaii. Sat. Sun. 8:30-9 pm.
7614 CR6AA Lobito, Port. West Africa. Mon. Wed., Sat. 2:30-4:30 pm.
7660 YNDG Leon, Nicaragua. Weekdays 8:30-9:30 pm.
7797 HBP Geneva, Switzerland.
7854 HC2JSB Guayaquil, Ecuador. 11 am-2 pm.; 4-11 pm.
7870 HC1RB Quito, Ecuador. 3:30-11:30 pm.
7894 YSD San Salvador, El Salvador. 7-10:30 pm.
7968 HSP6 Bangkok, Thailand. 7-11 am.
8200 PSK Rio de Janeiro, Brazil. 5-45-7 pm.
8580 YPR Managua, Nicaragua. 12:45-2:15 pm.; 6:45-10:15 pm.
8665 W2XGB Hicksville, N. Y. 9 am- and 5 pm.
8700 CQCO 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 TP22 Algiers, Algeria. Tues. 12:30-1:30 pm.
8960 COKG Santiago, Cuba. 5-9:50 pm.
9030 CORZ 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 HC1GO Quito, Ecuador. Mon. Wed. Sat. 9-10:30 pm.
919Q 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. Irreg.
9205 PYA2 Rio de Janeiro, Brazil. 5-6 pm.

RADEX

RADEX

9225 COCY Havana, Cuba. 8 am-12 mid. Sun. 8 am-10 pm.
9230 COCY Havana, Cuba. 12 noon-12 midnite.
9234 Bucharest, Roumania. 12:02-7 pm.
9295 H12G Ciudad Trujillo, D. R. 6:40-8:40 am., 11:40 am-2:10 pm., 3:40-4:40 pm.
9340 OAX4J Lima, Peru. 12 noon-3 pm., 5 pm-12 midnite.
9345 HBL Geneva, Switzerland. Mon., Wed., 8:45-10:15 pm.
9375 COBC Havana, Cuba. 7 am. to 12 mid. Sun. 7 am-10:30 pm.
9440 OAX5C Ica, Peru. 7-11:30 pm.
9440 COCH Havana, Cuba. 6:40 am-10:15 pm., exc. Sun.
9445 HCODA Guayaquil, Ecuador. 8:15-10:15 pm., exc. Sun.
9465 TAP Ankara, Turkey. Daily 10:30 am-4:30 pm.
9475 VONG St. Johns, Newfoundland. 8:30 am-1:30 pm. 4:30-9:30 pm.
9492 KZIB Manila, Philippines. 10 am. and 6-11 pm.
9501 PRF5 Rio De Janeiro, Brazil. 4:45-5:55 pm.
9503 XEWW Mexico City. 7:45 am-12:30 am.
9505 YUD Belgrade, Yugoslavia. 11:20 am-4:20 pm., 8-9 pm.
9510 Hanoi, French Indo-China. 12 m-2 am., 6-10 am.
9510 HS8HJ Bangkok, Thailand. Daily Ex. Mon. 7-10 am.
9510 GSB Davenport, Gt. Britain. 9:45-11:35 pm.; 11:57 pm-3:15 am.
9517 XEDQ Guadalajara, Jal. No-4:30 4:30 pm., 1pm-midnight.
9520 RV96 Moscow, U. S. S. R. 1-6 pm.
9520 TPC Paris, France. 4:30-7:45 pm. 8 pm-1:45 am.
9523 ZRG Roberts Heights, S. Africa. Daily 5:15-9. 11 am-noon. Sun. 6-9, 10:40 am-1:30 pm.
9525 ZBW3 Hongkong. 5-10 am., 11:30 pm-1:15 am. Sun. 5-9:30 am.
9528 VUC2 Calcutta, India. 10-11 pm., 12 m-1 am., 2-4 am. Sat. 10 pm-2 am.
9530 WGEO Schenectady, N. Y. 3-6 pm. 6-11:45 pm.
9535 JZI Tokyo, Japan. 7-9:30 am.
9535 SCU Motala, Sweden. 4:35-5:05 pm. 8-9 pm.
9538 VPD2 Suva, Fiji. 5:30-7 am., exc. Sun.
9540 DJN Berlin, Germany. 12:05-2:30, 9:30-11 am., 4:55-10:50 pm.
9550 OLR3A Prague, Bohemia. Irreg. 4:40-5:10 pm.
9550 WGEA Schenectady, N. Y. 6:15-9:15 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.
9550 TPB11 Paris, France. 11:15 am-7 pm., 9:30 pm-mid.
9556 OAX4T Lima, Peru. 7-8, 11:30 am-1:30 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.

9556 XEFT Vera Cruz, Ver C. 7:30 pm-Midnight.
9560 XEFA Monterrey, 10 am. Midnite.
9560 XGAP Peking, China. 4-9 am.
9570 WBOS Boston, Mass. 6-9 am. 3 pm-1 am.
9570 KZRM Manila, P. I. Weekdays 4:30-6 pm. Sat. 5-10 am., Sun. 4-10 am.
9570 CXA2 Montevideo, Uruguay. 11 am-4, 4:30-9:30 pm.
9570 VUM2 Madras, India. 9-10:30 pm., 2:30-4 am.
9580 GSC London, Gt. Britain. 2:30-5:25 pm.; 5:43-11:35 pm.
9580 VLR Melbourne, Australia. 2:30-9, 9-9:30 am.
9590 VK2ME Sydney, Australia. Sundays only, m-2 am. 5-8:30 am.
9590 WCAB Philadelphia, Pa. Mon., Thurs. & Sat. 6:30 pm-2 am., Wed. 9 pm-2 am.
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.
9595 Athlone, Ireland. 12:30-4:30, 5-6 pm.
9600 CB960 Santiago, Chile. 8-11:30 pm.
9600 GRY53 London, Gt. Britain. 2:30-5:25 pm.
9600 RAN Moscow, U. S. S. R. 3-7, 7-3:30 pm. 8:30-9 pm.
9607 HP5J Panama City, Panama. 7-8 am., 12 noon to 1:30 pm., 6:30-10:30 pm.
9610 DXB Berlin, Germany. 4:50 pm., 7 pm-1 am.
9615 ZRL Klipheuevel, 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.
9620 TIPG San Jose, Costa Rica. 7-9:30 am., 12-2, 6-11:30 pm.
9625 HAD Budapest, Hungary. 6-9 pm.
9625 CXA6 Montevideo, Uruguay. 10:30 am-12:30, 3:30-9:30 pm.
9630 H1CT Bogota, Colombia. 6-11 pm.
9630 JFO Taihoku, Taiwan. 4-10:30 am.
9630 I2RO3 Rome, Italy. 6-2 am. 12:07-2:35, 4:15-4:45 pm., 6-9 pm.
9635 KZRH Manila, Philippines. 4-11 am.
9640 CXA8 Colonia, Uruguay. 5 am-10:45 pm. Sat. to 1 am.
9645 VLVW2 Perth, W. Aust. 6-11 am.
9645 XGOY Szechwan, China. 1-3, 8-9:30 am.
9650 CR7BE Lourenco Marques, Mozambique. 7-8 am. 2-4 pm.
9650 DJV Berlin, Germany. Irreg. 4:50 pm-1 am.
9650 12AA Addis Abeba, Ethiopia. 3:30-5:30 am. Sun. 2:30-5:30 am.
9650 WCBX New York City. 10:30-11:30 pm.
9650 HVJ Vatican City. Sun. 5-5:30 am., 8:30-9:45 pm.; Thurs. 8:30-9:45 pm.
9660 LRX Buenos Aires, Arg. 5:30-6:45 am., 10:15 am-11 pm.
9665 Rome, Italy. 1-6:30, 7:30-9 pm.
Bound Brook, N. J. 4 pm-1 am.

9675 DJX Vienna, Germany. 10:40 am.-4:25 pm.
 9675 Saigon, Indo-China. 7:30-9:45 am.
 9680 VLQ5 Sydney, Australia. 7:25 - 8 am.
 9680 TPC23 Paris, France. 6-7:45 pm. 8 pm.-12:30 am.
 9680 XEQQ Mexico, D. F. 5 pm.-1 am.
 9685 TGWA Guatemala City, Guat. Sun. 7 pm.-midnight; Wkdays, 10 pm.-12:15 am.
 9690 LRA1 Buenos Aires, Arg. 10:30 am.-1 pm; 2:30-3:30 pm; 4-9 pm.
 9692 TI4NHR Heredia, Costa Rica. Tues. Thurs. Sat. 9-10 pm; Sun. 7-8 am.
 9690 CRX London, Gt. Britain. 12:25-5 am; 11:50 am-8 pm.
 9695 JIE3 Tyureki, Taiwan. 9-10:20 am.
 9703 Fort de France, Martinique. 6-8:10 pm.
 9710 HJCF Bogota, Colombia. 7-11 pm.
 9730 CB970 Valparaiso, Chile. 7 am-11:30 pm.
 HJFK Pereira, Colombia. 7-9 am.
 9740 CSW7 Lisbon, Portugal. Tues. Thurs. Sat. 3:40-4 pm. Daily 4-5:30 pm; 5:45-9 pm.
 9750 HJ6FAH Armenia, Colombia. 8-10:30 am; 5-10:30 pm.
 9780 HH3W Port-au-Prince, Haiti. Sun. 1-2 pm; 5-8 pm; Other days 1-2 pm; 7-9 pm.
 9815 IRF Rome, Italy. 5:20-5:40 am; Noon-12:25 pm; 1:50-2:30 pm; 6-7:25 pm.
 9825 COCM Havana, Cuba. 8 am-midnight.
 9840 XGSE Somewhere in China. At 7 am.
 9855 EAQ Madrid, Spain. 5-7:30 pm; 7:45-8:50 pm; 8:50-11:30 pm.
 9892 CP1 Sucre, Bolivia. 11 am to noon; 7-9 pm.
 9925 JDY Dairen, Manchukuo. 7-8 am.
 9985 COBC Havana, Cuba. 6 am-midnight.
 10060 TIEM San Jose, Costa Rica. 4:30-8 pm.
 10070 Deutsche Freiheitssender. Somewhere in Germany (?). 4-5 pm.
 10220 PSH Rio de Janeiro, Brazil. Mon. 8-8:30 pm; Fri. 7-7:30 pm; Other days 6-7 pm.
 10290 DZC Berlin, Germany. 3-3:10 pm; 6:30-9 pm.
 10350 LSX Buenos Aires, Arg.
 10360 EAJ43 Tenerife, Canary Islands. 3-4:30 pm; 5-7 pm; 7:45-8:45 pm; 9-10 pm.
 10400 YSP San Salvador, E. E. 6:30-11 pm.
 10660 JVN Nazaki, Japan. 1:50-7:40 am.
 10660 ZIK2 Belize, Br. Honduras. Tues. Thurs. Sat. 1:30-2:30-9 pm.
 10950 FIQA Tananarive, Madagascar. 12:30-45, 10-11 am, 2:30-4 am.
 11000 PLP Bandoeng, Java. 6-9 pm. 10:30 pm.-2 am, 4-10:30:30 or 11 am. Sat. until 11:30 am.
 11040 CSW5 Lisbon, Portugal. 12-3:30 pm. Sun. 10 am-3:30 pm.

RADEX

11400 CJRX Winnipeg, Canada. 4 to 8:30 pm.
 11402 HBO Geneva, Switzerland. Mon., 12:45-2:15 pm. Sat. to 2 pm.
 11650 XGOK Canton, China. 7-9 am.
 11700 CBII70 Wed. 6:45-8:15 pm. Tues. Santiago Chile. 10 am.-2 pm, 3:30-Midnight.
 11700 HP5A Panama City, Panama. 7-10:40 am. 5-10:45 pm. Sun. 6-10:45.
 11700 IQY Rome, Italy. 5:20-5:40 am. 1:50-2:30 pm.
 11710 YSM San Salvador, El Salvador. 1-2, 7-9:30 pm.
 11710 Saigon, French Indo-China. 7:30-9:45 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.
 11718 TBA4 Paris, France. 1-5:15 pm. 6-7:45, 8 pm.-12m.
 11720 ZPI4 Villarica, Paraguay. Mon. to Fri. 4-8 pm; Sat.-Sun. 11 am-6 pm.
 11725 JVV3 Tokyo, Japan. 1-7 am.
 11730 WRUW- Boston, Mass. Sun. 2-8 pm.; 5:20-18:30, 8:45-10:30 pm.
 11735 YUE Belgrade, Yugoslavia. 7-9:05 pm.
 11740 HVJ Vatican City. 2-5:55 m., Weds. 9:30 pm.
 11740 CBII74 Santiago, Chile. 6-11 pm. Sun. 6-10:30 pm.
 11740 CR6RC Loanda, Angola. 6:30-7:45 am. Tues., Wed., Sat. 3:30-6 pm, Sun. 3:30 am.-1 pm.
 11750 GSD Davenport, 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.
 11760 ZRO15 Rome, Italy. 11:40 am.-2:40 pm., 3-3:30, 5:30-6 pm.
 11760 TGWA Guatemala City, Guat. 10-11:30 pm. Sun. 6-11:30 pm.
 11760 OLR4B Prague, Bohemia. Daily exc. Sun. 8:25-10:05 am.
 11770 DJD Berlin, Germany. 10:45 am.-4:25 pm., 4:50 pm.-1 am.
 11770 ZTE Durban, So. Africa. 3:30-11:45 am. exc. Sun. Sun. 3:55-11:45 am. Also, 11:45 pm.-2 am.
 11775 MTCY Hsinking, Manchukuo. 1:30-2:20 to N. A. Also 9:50-10:55 am., 4-4:50 pm.
 11780 Saigon, Indo-China. 10:30-11 am.
 11780 HP5G Panama City, Panama. Noon-1 pm.-6:10 pm.
 11790 WRUL Boston, Mass. 2-5 pm. Sat. 3-5 pm. Sun. 10 am. 12 noon.
 11800 XGOK Canton, China. 6-8:35 am.
 11801 DJZ Berlin, Germany. 4:50-10:50 pm.
 11810 ZRO4 Rome, Italy. 4:30-9, 10 am-2:30 pm., 6-7:25, 7:30-9 pm. to N. A.
 11825 CXA14 London, Gt. Britain. 5:42-11:35 pm.
 11825 CXA14 Colonia, Uruguay. 3:30-9:20 pm.
 11826 XEBR Hermosillo, Son. 10 am.-4 pm., 8-10:30 pm.
 11830 VLV3 Perth W. Australia. 1-5 am.
 11830 WCBX New York City. 1-6 pm. 6:30-10 pm.

RADEX

11840 OLR4A Prague, Bohemia. 6:55-10:15 pm.
 11840 CSW Lisbon Port. 11:30 am.-1:30 pm.
 11845 TPC8 Paris, France. 10:30 am.-5 pm.
 11850 VLR3 Melbourne, Australia. 3:30 pm.-2:15 am. Also 6:35-7 am.
 11850 HAD Budapest, Hungary. 3-6 pm.
 11850 CBII85 Santiago, Chile. Sat. 6-11 pm.
 11855 XMHA Shanghai, China. Wkdays. 11 pm.-1 am, 5-11 am. Sat. 10 pm.-Sun. 11 am.
 11855 DJP Berlin, Germany. 12:05-2 am., 4:50-10:50 pm.
 11860 GSE Davenport, England. 5:40-11:30 am. 6:25-9:15 pm.
 11870 WPIT Pittsburgh, Pa. 3-9, 10-11 pm.
 11870 VUM Madras, India. 8:45 am.
 11870 VLV2 Sydney, Australia. 2:30-3:30 am.
 11880 JZJ Tokyo, Japan. 12-1:30 am. 7-9:30 am., 2-4 pm.
 11880 COGF Matanzas, Cuba. 9 am.-11:30 pm.
 11880 TPB7 Paris, France. 4:45-7:45 pm. 8 pm.-12 m.
 11885 TPA3 Paris, France. 1-4, 10:15 am.-5:15.
 11895 Moscow, U. S. S. R. 6:30-7 am., 4-6 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.
 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.
 11910 CDII90 Valdivia, Chile. 10 am.-1 pm., 5-10:30 pm.
 11940 TI2XD San Jose, Costa. 7:30 am.-noon, 4-10 pm.
 11945 CBII80 Santiago, Chile. 7-8 am., 4:50-11 pm.
 11970 HI2X Ciudad Trujillo, D. R. Tues. and Fri. 8-10:10 pm. Sun. 7:40-9:40 am.
 12000RNE Moscow, U. S. S. R. 7-9 pm. 9-11 am.
 12310 VOFB St. Johns, Newfoundland. 5:30-7:30 pm.
 12450 HCJB Quito, Ecuador. 7-8:15, 11:30 am.-2:30, 5-10:30 pm.
 12862 W9XDH Elgin, Ill. Press Wireless. Tests 2-5 pm.
 13486 HIIN Trujillo City, Dom. Rep. 6:40-10:40 am, 5:10-9:40 pm.
 13900 YNDG Leon, Nicaragua. Sun. 12:30-1.
 14420 HCIJB Quito, Ecuador. 7-8:15, 11:30 am.-2:30, 4-4:45 pm.-10:15 pm. Exc. Mon.
 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 ZRO12 Rome, Italy. 4-5:30, 6-7:25, 7:30-9 pm.

15110 DJL Berlin, Germany. 12:05-2 am., 10:40 am.-4:25 pm.
 15120 CSW4 Lisbon, Portugal. 7-9 am.
 15120 HVJ Vatican City. Tues. 8:30-9, 10-10:30 am., Sun. 1-1:30 pm. Wed. 8:30-9 pm.
 15130 TPB Paris, France. 11:30 am.-12:30 pm.
 15130 WRUW- Boston, Mass. 2-5, 8:45-10:30 pm.; Sat. 3-5 pm., Sun. 10 am.-noon.
 15135 JLU3 Tokyo, Japan. 8-9:30 am.
 15140 GSF Davenport, England. 9-11:30 am; 11:55 am-5:25 pm; 11:57 pm-3:15 am.
 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.
 15155 SBT Motala, Sweden. 1-4:30 pm.
 15160 JZK Tokyo, Japan. 4:30-5:30, 8-9 pm.
 15160 XEWV Mexico City, Mexico. 12 n.-12 m., irregular.
 15170 TGWA Guatemala City, Guat. 12:45-1:45 pm; Sun. 1:45-5:15 pm.
 15180 RV96 Moscow, U. S. S. R. 3-3:45 am.
 15190XGOX Szechwan, China. 830-9:30, 10-11:05 pm.
 15200 DJB Berlin, Germany. 12:05-6:30-9, 9:15-9:30 am.; 11:10-11:40 am., 4:50-10:45 pm.
 15210 WPIT Pittsburgh, Pa. 8 am.-3 pm.
 15240 YUF Belgrade, Yugoslavia. 7-8 pm.
 15240 CR7BD Lourenco Marques, Mozambique. 4:30-6:30, 9:30-11 am., noon-4 pm.
 15245 TPA2 Paris, France. 5-10 am.
 15250 WRUL Boston, Mass. Daily exc. Sat. and Sun. 10 am.-11 am.
 15260 GSI Davenport, England. 5:40-8:45 am; 9-11:30 am; 11:55 am-5:25 pm; 11:57 pm-3:15 am.
 15270 WCBX New York City. Daily exc. Sat. and Sun. 1-3:30 pm., Sun. 1-2:30 pm.
 15270 HI3X Ciudad Trujillo, D. R. Sun. 8:10-10:10 pm.
 15270 WCAB Philadelphia, Pa. 12 n.6 pm.
 15270 WLWO Cincinnati, Ohio.
 15280 DJQ Berlin, Germany. 12:05-11:10 am.
 15290 VUD3 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 pm.
 15290 LRU Buenos Aires, Arg. 8-10 am. 10:10 pm.
 15295 TPB4 Paris, France. 5-5:30, 7:30-8 am.
 15300 ZRO6 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 am. Davenport, England. 5:40-7 am; 2:15-5:25 pm; 1-15:3-15 am.
 15310 GSP Soerabaja, Java, N. E. I. 10:30 pm.-2 am., Sat. 7:30 pm.-2 am.

11-97 - Radio Byzantaville, Agora

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
	KAIO	GEO	6	Portable.	Same as KAIN
	KAIR	GEO	6	Portable.	Same as KAIN
	KAIS	GEO	6	Portable.	Same as KAIN
	KAUW	GEO	6	Portable.	Same as KAIN
	KBUA	GEO	6	Portable.	Same as KAIN
	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
	KBYA	GEO	6	Portable.	Same as KAIN
	KDYA	GEO	6	Portable.	Same as KAIN
	KFYH	GEO	10	Portable.	Texaco Development Corv.
	KFYI	GEO	10	Portable.	Wm. M. Barrett, Inc.
	KFYI	GEO	50	Portable.	Same as KFYH
	KFYK	GEO	10	Portable.	Same as KFYH
	KFYL	GEO	10	Portable.	Same as KFYH
	KFYN	GEO	50	Portable.	Same as KFYH
	KFYF	GEO	50	Portable.	Same as KFYH
	KGKE	GEO	50	Portable.	Same as KFYH
	KGUC	GEO	6	Houston, Tex.	McCollum Exploration Co.
	KGVB	GEO	6	Portable.	Same as KAIN
	KYBJ	GEO	10	Houston, Tex.	Same as KGKE
	KQBJ	GEO	10	Portable.	Magnolia Petroleum Co.
	W5XGN	SE	10	Portable.	Same as KQBJ
1606	CJM	CHT	25	Borden, P.E.I.	Canadian Nat'l. R. R.
	KAH	RB	25	Portable.	Earl C. Anthony, Inc.
	KAQY	RB	40	Wichita, Kans.	Farmers & Bankers Brdcstg. Service
	KBTA	RB	10	Duluth, Minn.	Red River Brdcstg. 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.	Minn. Brdcstg. 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	Tamva, Fla.	Tampa Times Co.
	WFYA	RB	100	Syracuse, N. Y.	Central N. Y. Brdcstg. Corp.
	WGTO	RB	25	Wilson, N. C.	WGMT, Inc.
	WHPA	RB	40	Harrisburg, Pa.	WHP, Inc.
	WLEW	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
	WQPD	SP	1000	DuQuoin, Ill.	Same as WQKY
	WQPF	SP	1000	Effingham, Ill.	Same as WQKY
	WQPG	SP	1000	Sterling, Ill.	Same as WQKY
	WQPI	SP	50	French Village, Ill.	Same as WQKY
	WQPM	SP	1000	Macomb, Ill.	Same as WQKY
	WOPP	SP	1000	Pontiac, Ill.	Same as WQKY
	WQPS	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.

RADEX

	W1XSL	E1	100
	W4XID	E1	50
1	W5XIJ	FA	1000
	W6XQW	GE	1000
	W6XRZ	E1	500
	W6XXT	GE	5000
	W7BA	E	15
	W7XEY	E1	60
	W7XEZ	E1	60
	W8XUL	GE	10
	W8XUL	GE	10
	W9XEI	GE	400
	W10XIF	E	....
1622	W10XIJ	GE	25
	KAAD	RB	40
	KAAR	RB	40
	KAMH	....	30
	KAMI	....	30
	KAMJ	....	30
	KAMK	....	30
	KAML	....	30
	KAMN	....	30
	KANL	....	50
	KAOE	RB	50
	KAOF	RB	50
	KBOL	RB	20
	KDAC	RB	25
	KDEA	RB	40
	KDJB	RB	125
	KGXU	....	10
	KIJK	C	10
	KIJO	....	10
	WAHL	RB	40
	WAIH	RB	50
	WAIN	RB	25
	WAIY	RB	100
	WATS	RB	100
	WAUT	RB	50
	WAXE	RB	2
	WBAO	RB	30
	WBAQ	RB	10
	WDAC	RB	40
	WEHL	RB	10
	WGHB	RB	40
	WHMB	RB	10
	WNYK	RB	50
	WNYL	RB	50
	WNYN	RB	3
	WNYO	RB	3
	WHPT	RB	50
	WRDI	RB	100
	WTHB	RB	40
	WTNK	RB	40
1624	CY2T	....	50
1626	KOSC	SP	....
	KOSO	SP	1000
	KOSP	SP	150
	KOSR	SP	150
	KOSU	SP	50
	KOSW	SP	150
	KOSX	SP	150
	KOSY	SP	50
	WBSP	SP	1000
	WMWV	SP	1000
	WPWV	SP	1000
	WRPC	SP	150
	WSWV	SP	1000
	WWT A	G	500
1628	KAIN to KAIS	inclusive:	
	KAUW	GEO	6
	KBUA	GEO	8
	KBUB	GEO	6
	KBUD to KBUH	inclusive:	
		GEO	6
	KDYA to KDYK	inclusive:	
		GEO	10

Southbridge, Mass. Harvey Wells Communications, Inc.
W. Palm Beach, Fla. Gray Radio Co.
Coral Gables, Fla. Pan American Airways, Inc.
Palo Alto, Calif. Stanford University
Portable. Red Salmon Canning Co.
Portable. Press Wireless, Ltd.
Portable. Northern Radio Co.
Seattle, Wash. Radio Labs., Inc.
Seattle, Wash. Same as W7XEY
Portable. W. V. Univ. Dept. of Physics
Lake Bluff, Ill. Same as W8XUK
Yacht "Mako, II." Thorne Donnelly
I. Thorne Donnelly
I. Thorne Donnelly
Port Worth, Tex. Tarrant Brdcastg. Co.
Denver, Colo. KLZ Brdcastg. Co.
Chignik, Alaska. Alaska Packers Ass'n.
Larson Bay, T. A. Same as KAMH
Chignik, T. A. Same as KAMH
Becharof, T. A. Same as KAMH
Naknek, T. A. Same as KAMH
Uyak Bay, T. A. Same as KAMH
Red Bluff Bay, T. A. Red Bluff Bay Fisheries, Inc.
Shenandoah, Iowa. KFNF, Inc.
Shenandoah, Iowa. KFNF, Inc.
Omaha, Nebr. Woodmen of the World.
Fresno, Calif. George Harm
Kansas City, Kans. KANS, Inc.
Mason City, Iowa. Globe-Gazette.
Port Armstrong, T. A. Buchan & Heinemann
Packing Co.
Kuiu Island, T. A. Storfold & Grondahl Co.
Port Herbert, T. A. Port Herbert Packing Co.
Paducah, Ky. Paducah Brdcastg. Co.
Chicago, Ill. WGN, Inc.
Peoria, Ill. Peoria Brdcastg. Co.
Utica, N. Y. WIRX, Inc.
Akron Ohio. Allen T. Simmons
Evansville, Ind. Evansville on the Air
Richmond, Va. Havens & Martin, Inc.
Newark, N. J. Bamberger Brdcastg. Serv., Inc.
Newark, N. J. Same as WBAO
Madison, Wis. Univ. of Wis.
Bangor, Maine. Community Brdcastg. Cery., Inc.
Tampa, Fla. Fla. West Coast Brdcastg. Co.
Anniston, Ala. WHMA, Inc.
New York City. NYC Municipal Brdcastg. Sys.
New York City. Same as WNYK
New York City. Same as WNYK
New York City. Same as WNYK
High Point, N. C. Radio Station WMFR, Inc.
Danville, Ill. Northwestern Pub. Co.
Tampa, Fla. WFLA
Trenton, N. J. WOAX, Inc.
Berens River, Man. Man. Dept. of Mines & Natural Resources
Portable. State of Okla. Dept. of Publ. Safety
Oklahoma City, Okla. Same as KOSC
Portable. Same as KOSC
Portable. Same as KOSC
Portable. Same as KOSC
Portable. Same as KOSC
Portable. Same as KOSC
Charleston, W. Va. Dept. of Pub. Safety, W. V. State Police
Moundsville, W. V. Same as WBSP
Charlestown, W. V. Same as WBSP
Portable. Same as WBSP
Shinnston, W. V. Same as WBSP
St. Albans, Vt. U. S. Bureau of Customs
Portable. Seismic Explorations of Del., Inc.
Portable. Esme Eugene Rosaire, Houston, Tex.
Portable. Same as KAIN
Portable. Same as KAIN
Portable. Same as KAIN
Portable. Texaco Development Corp.

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
KFYF	GEO	50	Portable. Same as KFYH
KGKE	GEO	50	Portable. Same as KFYH
KGUC	GEO	6	Houston, Tex. McCollum Exploration Co.
KGVB	GEO	6	Portable. Same as KAIN
KYBJ	GEO	10	Houston, Tex. Same as KGKE
KYBK	GEO	10	Portable. Magnolia Petroleum Co.
W6XGN	SE	10	Portable. Same as KQBJ
1630 CJD	F	....	Dallas, Tex. Same as KQBJ
			Campbell River, B. C. Minister of Lands for B. C.
CJE	T	....	Cespecece, 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
WQGS	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.
KHCIV	A	100	NC-18997. American Export Airlines
KIQA	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	Washington, 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.
KBOA	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. McClatchey Brdcstg. Co.
WAUB	RB	40	Nashville, Tenn. WSIX
WAUQ	RB	50	Syracuse, N. Y. Onondaga Radio Brdcstg. Corp.
WBAF	RB	2	Portable, N. J. Brdcstg. Corp.
WBYB	RB	25	Cincinnati, Ohio. L. B. Wilson, Inc.
WTRA	RB	50	Cincinnati, Ohio. CBS, Inc.
WOMW	RB	250	Detroit, Mich. WJR The Goodwill Station
WOMY	S	....	M/S "Minniehaha"
WOPE	S	....	M/S "Empress" Empress"
			M/S "Glenwood"
			M/S "Admiralty"

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	Portable. Same as KAIN
KBUB	GEO	6	Portable. Same as KAIN
KBUD to KBUE 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.
KFYJ	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
KFYF	GEO	50	Portable. Same as KFYI
KGKE	GEO	6	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 KQBJ
W5XGN	SE	10	Dallas, Tex. Same as KQBJ
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
WQFR	SP	250	Portable-Mobile. Same as WPGC.
1660 KAJH	....	20	Anchorage, Alaska. Libby, McNeill & Libby.
KAMT	....	50	Kenai, T. A. Same as KAJH
KNEC	....	100	HVY as same as V. J. Bay, Bristol Bay, Alaska.
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.
WPBL	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	MP	1000	Lees Summit, Mo. State of Mo. Highway aProl
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 City, Mo. Same as KHPA
KIUK	SP	1000	Salinas, Calif. County of Monterey, Sheriff
KOCO	MP	150	Hillsborough, Calif. Town of H.
KSPH	MP	25	Watsonville, Calif. City of W.
KWCP	MP	50	Portable-Mobile. Commonwealth of Pa. Motor Police.
WAMF	SP	500	Mobile on airplane. Same as WAMF
WPBB	SP	20	Harrisburg, Pa. Same as WAMF
WPSP	SP	1000	Portable. Seismic Explorations of Del.
1676 KAIN to KAIS inclusive:	GEO	6	Portable. Esme Eugene Rosaire, Houston, Tex.
KAUW	GEO	8	Portable. Same as KAIN
KBUA	GEO	6	Portable. Same as KAIN
KBUB	GEO	6	Portable. Same as KAIN
KBUD to KBUE inclusive:	GEO	6	Portable. Texaco Development Corp.
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. Same as KFYH
KFYN	GEO	50	Portable. Same as KFYH
KFYF	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.
	GEO	....	Portable. Same as KYBJ

1682	KOBI	GEO	10	Dallas, Tex. Same as KYBJ
	KOBK	GEO	10	Fairfield, Iowa. State of Iowa, Bureau of Criminal Investigation.
	WSXGN	SE	10	Atlantic, Iowa. Same as KACC
	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
1688	KADW	SP	50	Campbell River, B. C. Minister of Lands for B. C.
	CJD	F	....	Belleville, Ont. City of B.
1690	CJR	MP	....	Halifax, N. S.
	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	....	Pioenix, Ariz. Ariz. State Highway Dept.
1698	KGPP	SP	....	Phoenix, Ariz. Same as KGPP
	KNGG	SP	1000	Duval County, Fla. State of Fla.
	WAKI	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
	WDSF	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	Portable. Seismic Explorations Inc. of Delaware
1700	KAIN to KAIS inclusive:			Portable. Esme Eugene Rosmaire, Houston, Tex.
	KAUW	GEO	8	Portable. Same as KAIN
	KBUA	GEO	6	Portable. Same as KAIN
	KBUB	GEO	6	Portable. Same as KAIN
	KBUD to KBUH inclusive:			Portable. Same as KAIN
	KBUD	GEO	6	Portable. Same as KAIN
	KDYA to KDVK inclusive:			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
	KFYV	GEO	50	Portable. Same as KFYH
	KFYW	GEO	50	Portable. Same as KFYH
	KFYX	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
	KQBJ	GEO	10	Portable. Magnolia Petroleum Co.
	KQBK	GEO	10	Portable. Same as KQBJ
1706	WSXGN	SE	10	Dallas, Tex. Same as KQBJ
	KQPC	MP	500	St. Louis, Mo. City of S. L.
	KQHA	MP	50	Astoria, Ore.
	KQHB	MP	100	Baker, Ore.
	KQHC	MP	10	Coquille, Ore.
	KQHD	SP	50	The Dalles, Ore. State of Ore.
	KQHE	MP	50	Eugene, Ore.
	KQHF	SP	10	Portable. State of Ore. Police & Highway Dept.
	KQHG	MP	10	Grants Pass, Ore.
	KQHH	EM	10	Portable. Same as KOHF
	KQHI	EM	10	Portable. Same as KOHF
	KQHJ	EM	10	Portable. Same as KOHF
	KQHK	EM	1000	Klamath Falls, Ore. Same as KOHF

	KOHL	EM	1000	Ia 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
	KOHW	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
	CZFA	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	225	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.
	KGPI	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.
	KGZQ	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	Kaneohe, 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 KGPL
	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
	KQDN	MP	50	Lufkin, Tex. City of J.
	KQEG	MP	25	Gardena, Calif. City of G.
	KQKM	MP	250	Paris, Tex. City of P.
	KSBC	MP	500	San Bernardino Calif. San Bernardino-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. City of C.
	WPDC	MP	500	Chicago, Ill. City of C.
	WPDD	MP	500	Chicago, Ill. City of C.
	WPDU	MP	100	Pittsburgh, Pa. City of P.
	WPED	MP	100	Arlington, Mass. Town of A.
	WPEH	MP	100	Somerville, Mass. City of S.
	WPEI	MP	50	E. Providence, R. I.
	WPFA	MP	50	Newton, Mass. City of N.

WPFN	MP	100	Fairhaven, Mass.
WPGF	MP	150	Providence, R. I.
WPGU	MP	50	Cohasset, Mass.
WPGV	MP	500	Boston, Mass. 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	....	75	Proctorville, Ohio. David Thomas
W2XWG	TA	500	Carlstadt, N. J. Kolorama Labs., Inc., Irvington, N. J.
2012 W2XR	E	....	Long Island City, N. Y. Radio Pictures, Inc.
2020 VJI	....	....	Cloncurry, Qsld., Australia. Australian Airways Medical Service
VK8SK	....	....	Broken Hill, N.S.W. Australia. Same as VJI
CZ6H	C	....	Bouchette, P. Q. Canadian International Paper Co.
CZ7Y	T	....	Banff, Alta. Dept. of Mines and Resources
KAH	RB	25	Portable. Earl C. Anthony, Inc.
KAQY	RB	40	Wichita, Kans. Farmers & Bankers Brdcastg. Duluth, Minn. Red River Brdcastg. Co., Inc. 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. Brdcastg. 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	40	Tampa, Fla. Tampa Times Co.
WDAT	RB	100	Syracuse, N. Y. Central N. Y. Brdcastg. Corp.
WFYA	RB	25	Wilson, N. C. WGTM Inc.
WGTO	RB	25	Harrisburg, Pa. WHP, Inc.
WHPA	RB	40	New York City. NBC, Inc.
WIEW	RB	25	Baie 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	MP	....	Little Rock, Ark. City of L. R.
KGHZ	MP	100	Kirkwood Mo. State of Mo. Highway Patrol
KHPG	MP	200	Duluth, Minn. City of D.
KNFE	MP	500	Mobile, State of Ore. Police & Highway Depts.
KOHM	MP	....	Oklahoma City, Okla. State of Okla. Dept. of Public Safety
KOSO	MP	125	Mobile, State of Wash.
KOBX	MP	50	Columbus, Ga. City of C.
WPFN	MP	100	Findley, Ohio. State of Ohio
WPGF	MP	150	Columbus, Ohio. Same as WPGG
WPGU	MP	50	Massillon, Ohio. Same as WPG
WPGV	MP	500	Wilmington, Ohio. Same as WPGG
WPHG	MP	50	Cambridge, Ohio. Same as WPGG
WPIA	MP	40	Pontiac, Mich. City of P.
WQFL	MP	50	French Village, Ill. State of Ill. Dept. of Pub. Works, State Highway & Maintenance Police
WQFX	MP	100	Portable in Ill. Same as WQPI
1715 to 2000 kcs., Amateurs.			Portable in Ill. Same as WQPI
1750 CMCP	SP	500	Amos, P. Q. Canadian National R. R.
1865 HRX2	C	400	Lawton, Okla. City of L.
1875 PVA3	3	....	Santa Ana, Calif. Orange County
2000 to 2111 — Television Band.			Little Rock, Ark. City of L. R.
2000 WUMS	....	75	Jefferson City, Mo. State of Mo. Highway Patrol
W2XWG	TA	500	Kirkwood, Mo. Same as KHPF
2012 W2XR	E	....	Duluth, Minn. City of D.
2020 VJI	....	....	Mobile in Ore. State of Ore. Police & Highway Depts.
VK8SK	....	....	Oklahoma City, Okla. State of Okla. Dept. of Pub. Safety
CZ6H	C	....	Mobile in Wash. State of Wash.
CZ7Y	T	....	Columbus, Ga. City of C.
KAH	RB	25	Findlay, Ohio. State of Ohio
KAQY	RB	40	Columbus, Ohio. Same as WPGG
KBTA	RB	10	Massillon, Ohio. Same as WPG
KBTB	RB	50	Wilmington, Ohio. Same as WPGG
WAAO	RB	100	Cambridge, Ohio. Same as WPGG
WAFY	RB	25	Pontiac, Mich. City of P.
WAHE	RB	50	
WAHF	RB	50	
WAHM	RB	50	
WAOE	RB	50	

WQPI	MP	250	French Village, Ill. State of Ill. Dept. of Pub. Works, State Highway & Maintenance Police
WOPX	MP	....	Portable in Ill. Same as WQPI
WOPY	MP	168	Portable in Ill. Same as WQPI
WOPZ	MP	10	Portable in Ill. Same as WQPI
2044 KGHP	MP	....	Lawton, Okla. City of L.
KGHX	MP	....	Santa Ana, Calif. Orange County
KGHZ	MP	100	Little Rock, Ark. City of L. R.
KHPF	MP	500	Jefferson City, Mo. State of Mo. Highway Patrol
KHPG	MP	200	Kirkwood, Mo. Same as KHPF
KNFE	MP	500	Duluth, Minn. City of D.
KOHM	MP	....	Mobile in Ore. State of Ore. Police & Highway Depts.
KOSO	MP	125	Oklahoma City, Okla. State of Okla. Dept. of Pub. Safety
KOBX	MP	50	Mobile in Wash. State of Wash.
WPFN	MP	100	Columbus, Ga. City of C.
WPGF	MP	150	Findlay, Ohio. State of Ohio
WPGU	MP	50	Columbus, Ohio. Same as WPGG
WPGV	MP	500	Massillon, Ohio. Same as WPG
WPHG	MP	50	Wilmington, Ohio. Same as WPGG
WPIA	MP	40	Cambridge, Ohio. Same as WPGG
WQFL	MP	50	Pontiac, Mich. City of P.
WQFX	MP	100	French Village, Ill. State of Ill. Dept. of Pub. Works, State Highway & Maintenance Police
1715 to 2000 kcs., Amateurs.			Portable in Ill. Same as WQPI
1750 CMCP	SP	500	Fort Worth, Tex. Tarrant Brdcastg. Co.
1865 HRX2	C	400	Denver, Colo. KLZ Brdcastg. Co.
1875 PVA3	3	....	Chenandoah, Iowa. KFNF, Inc.
2000 to 2111 — Television Band.			Shenandoah, Iowa. KFNF, Inc.
2000 WUMS	....	75	Omaha, Nebr. Woodmen of the World.
W2XWG	TA	500	Fresno, Calif. Geo. Harm
2012 W2XR	E	....	Portable. KANS.
2020 VJI	....	....	Mason City, Iowa. Globe-Gazette.
VK8SK	....	....	Paducah, Ky. Paducah Brdcastg. Co.
CZ6H	C	....	Chicago Ill. WGN, Inc.
CZ7Y	T	....	Peoria, Ill. Peoria Brdcastg. Co.
KAH	RB	25	Utica, N. Y. WIBX, Inc.
KAQY	RB	40	Akron, Ohio. Allen T. Simmons.
KBTA	RB	10	Evansville Ind. Evansville on the Air, Inc.
KBTB	RB	50	Richmond, Va. Havens & Martin, Inc.
WAAO	RB	100	Newark, N. J. Bamberger Brdcastg. Serv. Inc.
WAFY	RB	25	Newark N. J. Same as WBAO
WAHE	RB	50	Madison, Wis. Univ. of Wis.
WAHF	RB	50	Bangor, Maine. Community Brdcastg. Serv. Inc.
WAHM	RB	50	Tampa, Fla. Fla. West Coast Brdcastg. Co.
WAOE	RB	50	Anniston, Ala. AHMA
WDAT	RB	100	New York City. NYC Municipal Brdcastg. Sys.
WFYA	RB	25	New York City. Same as WNYK
WGTO	RB	25	New York City. Same as WNK
WHPA	RB	40	New York City. Same as WNK
WIEW	RB	25	High Point, N. C. Radio Station WMFR, Inc.
2030 CY2L	T	....	Danville, Ill. Northwestern Pub. Co.
CY20	T	....	Tampa, Fla. WFLA
CY3E	T	....	Trenton, N. J. WOAX Inc.
2036 KGHP	MP	....	Los Angeles, Calif. Don Lee Brdcastg. Sys.
KGHX	MP	....	Winona, Minn. Winona Radio Serv.
KGHZ	MP	100	Shenandoah, Iowa. May Seed Co.
KHPG	MP	200	Tacoma, Wash. Puget Sound Brdcastg. Co.
KNFE	MP	500	Sacramento, Calif. McClatchey Brdcastg. Co.
KOHM	MP	....	Nashville, Tenn. WSIX
KOSO	MP	125	Syracuse, N. Y. Onondaga Radio Brdcastg. Corp.
KOBX	MP	50	Portable, N. J. Brdcastg. Corp.
WPFN	MP	100	Cincinnati, Ohio. L. N. Wilson, Inc.
WPGF	MP	150	Cincinnati, Ohio. CBS, Inc.
WPGU	MP	50	Detroit, Mich. WJR The Goodwill Station
WPGV	MP	500	Windham, Alaska. N. B. Randall.
WPHG	MP	50	Uganik Bay, T. A. San Juan Fishing & Pack- ing Co., Seattle Wash.
WPIA	MP	40	Stuyahok Landing, T. A. W. R. E. Moore
WQFL	MP	50	Portable. Earle C. Anthony, Inc.
WQFX	MP	100	Wichita, Kans. Farmers & Bankers Brdcastg. Service
1715 to 2000 kcs., Amateurs.			Duluth, Minn. Red River Brdcastg. Co., Inc.
1750 CMCP	SP	500	Duluth Minn. Same as KBTA
1865 HRX2	C	400	Bloomington, Ill. A. M. & D. C. McGregor
1875 PVA3	3	....	St. Paul, Minn. Minn. Brdcastg. Corp.
2000 to 2111 — Television Band.			Norfolk, Va. WTAR Radio Corp.
2000 WUMS	....	75	Norfolk, Va. WTAR Radio Corp.
W2XWG	TA	500	Richmond, Va. Richmond Radio Corp.
2012 W2XR	E	....	Aurora Ill. Martin O'Brien
2020 VJI	....	....
VK8SK	....	....
CZ6H	C	....
CZ7Y	T	....
KAH	RB	25	
KAQY	RB	40	
KBTA	RB	10	
KBTB	RB	50	
WAAO	RB	100	
WAFY	RB	25	
WAHE	RB	50	
WAHF	RB	50	
WAHM	RB	50	
WAOE	RB	50	

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).
KYJC	G	....	Chula Vista, Calif. U. S. Immigration Border Patrol.
KYZE	G	....	El Centro, Calif. Same as KYJC.
WOGK	S	100	Yacht "Mako." Thorne Donnelley.
W3XNY	SEM	....	Portable-Mobile. Bell Tel. Labs., Inc.
W10XKG	S	75	Tow Boat "Alex Mackenzie." 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.
KAAD	RB	40	Chutes aux Outardes, P. Q. Same as CY2L.
KAAR	RB	40	Fort Worth, Tex. Tarrant Brdcastg. Co.
KAOE	RB	50	Denver, Colo. KLZ Brdcastg. Co.
KAOF	RB	50	Shenandoah, Iowa. KFNF, Inc.
KBOL	RB	20	Shenandoah, Iowa. KFNF, Inc.
KDAC	RB	25	Omaha, Nebr. Woodmen of the World.
KDEA	RB	40	Fresno, Calif. George Harm.
WAHL	RB	40	Portable. Kans.
WAIH	RB	50	Paducah, Ky. Paducah Brdcastg. Co.
WAIN	RB	25	Chicago, Ill. WGN, Inc.
WAIY	RB	100	Peoria, Ill. Peoria Brdcastg. Co.
WATS	RB	100	Utica N. Y. WIBX, Inc.
WAUT	RB	50	Akron, Ohio. Allen T. Simmons.
WAXE	RB	500	Evansville, Ind. Evansville on the Air, Inc.
WBAO	RB	2	Richmond, Va. Havens & Martin, Inc.
WBAQ	RB	30	Newark, N. J. Bamberger Brdcastg. Ser. Inc.
WDAC	RB	10	Newark, N. J. Same as WBAO.
WEHL	RB	....	Madison, Wis. Univ. of Wis.
WGHB	RB	40	Bangor, Maine. Community Brdcastg. Ser. Inc.
WHMB	RB	10	Tampa, Fla. Fla. West Coast Brdcastg. Co.
2158	This frequency used by		Anniston, Ala. WHMA.
Lorain, Ohio	SE	....	ships on the Great Lakes to contact WMI at
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.
KGZI	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.
WPDJ	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.
WPFD	MP	....	Highland Park, Ill.

RADEX

RADEX

KYQE	S	50	Baie Comeau, P. Q. Ontario Paper Co., Ltd.
KLWY	S	....	S. S. "Caroline." Joseph M. Schenck, 20th.
KMKH	S	....	Century Fox Film Corp., Beverly Hills, Calif.
VGBQ	S	....	S. S. "Gypsy."
WBDY	S	....	S. S. "Samona."
WCEK	S	50	Yacht "Sevelyn."
			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	S	....	Yacht "Sartarsia."
WKFK	S	....	Tug "Rocona."
WKFM	S	....	Derrick Barge, 4.
WKFN	S	....	Tug "Sonoma."
WOJB	S	....	Yacht "El Dorado."
WOKQ	S	....	Yacht "The Chief."
WOLR	S	....	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." Sam Lonero.
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	CHT	....	Lake Bluff, Ill. Thorne Donnelley.
CYY	CHT	400	West Dover, Ohio. (600 watts days). Radiomarine Corp.
2190 KAOG	RB	8	Los Angeles, Calif. Don Lee Brdcastg. Sys.
KBQA	RB	20	Winona, Minn. Winona Radio Serv.
KEMA	RB	25	Shenandoah, Iowa. May Seed Co.
KNEB	RB	40	Tacoma, Wash. Puget Sound Brdcastg. Co.
WAUB	RB	10	Sacramento, Calif. McClatchey Brdcastg. Co.
KSCR	RB	100	Nashville, Tenn. WSIX.
WAUO	RB	50	Syracuse, N. Y. Onondaga Radio Brdcastg. Corp.
WBAC	RB	2	Portable. N. J. Brdcastg. Corp.
WBAF	RB	25	Cincinnati, Ohio. I. 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.
WAGI	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.
KOPF	F	20	Portable in Ore. Same as KBSC.
KOFR	F	20	Portables 14 units, 2 watts each. Same as KBSC.
KOGO	F	20	Portable in Ore. Same as KBSC.
KOHN	F	50	Portable in Ore. Same as KBSC.
2240 KOHQ	T	....	Campanella, N. B. Town of C. Electric Light Dept.
CY6Q	T	....
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	....	Amos, 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.
CJE	T	....	Chutes aux Outardes, P. Q. Same as CY2L.
CJS	C	....	Bones Bay, B. C. Canadian Fishing Co., Ltd.
KACX	SE	....	Butedale, B. C. Same as CFW.
FAMB	SEM	50	Portable in Calif. Southern Calif. Edison Co., Ltd.
KODZ	SEM	50	Alhambra, Calif. Same as KACX.
VAC	T	....	Anaheim, Calif. (i unit-20 w). Same as KACX.
VAF	T	....	Cane Lazo, B. C. Dept. of Transport Dominion Gov't.
VDG	C	....	Alert Bay, B. C. Same as VAC.
VXZ	T	....	Atli Inlet, B. C. Kelley Logging Co., Ltd.
2310 CY6A	MP	....	Cumshewa Inlet, B. C. Allison Logging Co., Ltd.
			Cornwall, Ont. Town of C.

2318	CY6U	MP	....
2320	CYQ	MP	400
	TGWC	B	1000
2340	HOA	B	....
2366	CZ50	MP	....
	WAKC	MP	400
2382	KBNC	T	20
	KGHT	MP	25
	KGHV	MP	500
	KNFE	MP	400
	KNHB	MP	1000
	KQN	CH	50
	WAKE	MP	500
	WASP	MP	100
	WMPE	MP	100
	WMPM	MP	500
	WPDN	MP	50
	WPEA	MP	40
	WPFM	MP	400
	WPGW	MP	400
2385	KNLF	F	15
	KNLG	F	15
	KNLH	F	15
2390	CGZ	MP	400
	CJW	MP	15
	CJZ	MP	20
2392	CY2Q	SP	....
	CZC	SP	....
	CZ7A	SP	....
2396	VYW	MP	600
2398	K6XAK	GE	1500
	WIXSL	EI	100
	W4XID	EI	50
	W4XIT	FA	1000
	W6ZCS	GE	50
	W6XQW	GE	1000
	W6XRZ	EI	500
	W6XXT	GE	5000
	W7XBA	E	15
	W7XEY	EI	60
	W7XEZ	EI	60
	W8XUK	GE	10
	W8XUL	GE	10
	W10XJT	GE	25
2400	WCBN	RB	....
2406	KGHZ	MP	100
	KGPW	MP	100
	KNHE	MP	100
	KQEH	MP	250
	KQGP	MP	250
	WRJP	MP	50
2414	KACE	MP	50
	KACI	MP	250
	KACK	MP	50
	KACN	MP	200
	KACO	MP	15
	KACS	MP	500
	KACV	MP	50
	KADL	MP	50
	KAPH	MP	500
	KAPL	MP	50
	KASE	MP	250
	KASF	MP	50
	KGAZ	SP	....
	KGHS	MP	100
	KGHW	MP	50
	KGPA	Fire	500
	KGPP	MP	25
	KBPS	MP	50
	KGZA	MP	500

Brantford, Ont. City of B.
 Toronto, Ont.
 Guatemala City, Guatemala. Radiodifusora Nacional "La Voz de Guatemala." Relays TGW. Musical theme "El Ranchito" played on marimbas.
 Panama City, Panama. Slogan "Ron Dalley." Theme, prelude from "Traviata." Salvador G. Graziani, Box 1121
 Ottawa, Ont.
 Freehold N. J. Monmouth County Welfare House, Brier Hill Road.
 Feldergale, Alaska. Felder, Gale, Inc.
 Brownsville, Tex. City of B.
 Corpus Christi Tex. City of C. C.
 Duluth, Minn. City of D.
 Green Bay, Wis. City of G. B.
 Feldergale, T. A. Same as KHNC
 Oshkosh, Wis. Winnebago County
 Selma, Ala. City of S. Police Dept.
 Elkhorn Wis. Walworth County Sheriff's Dept.
 Montgomery, Ala. City of M.
 Auburn, N. Y.
 Syracuse, N. Y. City of S.
 Birmingham, Ala. City of B.
 Mobile, Ala. City of M.
 Crater Lake National Park Ore. Mt. Scott Ranger Station
 Crater Lake Nat'l. Park, Ore.
 Crater Lake Nat'l. Park, Ore. Lost Creek Ranger Station
 Vancouver, B. C. Corp. of the City of V.
 St. John, N. B. Dept. of Pub. Safety
 Verdun, P. Q. City of V.
 Atlin B. C. B. C. Provincial Police
 Bralorne, B. C. Same as CY2Q
 Alert Bay, B. C. Same as CY2Q
 Winnipeg, Man. Board of Police Commissioners
 Kaena Point, Oahu, Hawaii. Globe Wireless, Ltd.
 Southbridge, Mass. Harvey-Wells Communications, Inc.
 W. Palm Beach, Fla. Gray Radio Co.
 Coral Gables, Fla. Pan American Airways, Inc.
 San Francisco, Calif. Carlynn Eng. Co.
 Palo Alto, Calif. Stanford University
 Portable. Red Salmon Canning Co.
 Portable. Press Wireless, Ltd.
 Portable. Northern Radio Co.
 Seattle, Wash. Radio Labs., Inc.
 Seattle, Wash. Radio Labs., Inc.
 Portable-Mobile. W. Va. Univ. Dept. of Physics.
 Portable-Mobile. Same as W8XUK
 Portable-Mobile. Harvey Radio Labs. Inc.
 New York City. CBS, Inc.
 Little Rock, Ark. City of L. R.
 Salt Lake City, Utah. City of S. L. C.
 Fort Smith, Ark. City of F. S.
 Hot Springs, Ark. Gerland County
 Pine Bluff, Ark. Jefferson County Sheriff's Office
 Brainerd Min. City of B.
 Olympia Wash. City of O.
 Wenatchee Wash. Chelan County
 Bellingham Wash. City of B. Police City Hall, Lottie St.
 Ventura Calif.
 Tracy, Calif. City of T. Police
 Bakersfield, Calif. Kern County Police
 Walla Walla, Wash. City of W. W.
 Port Orchard, Wash. Kitsap County Sheriff's Office
 Office
 Stockton, Calif. San Joaquin County Court House
 Hoquiam, Wash. City of H.
 Modest, Calif. Stanislaus County Sheriff's Office
 Bremerton, Wash. City of B.
 Mobile in Wash. State of Wash.
 Spokane, Wash. City of S.
 Centralia, Wash. City of C.
 Seattle, Wash.
 Santa Fe, N. Mex.
 Bakersfield, Calif. City of B.
 Fresno, Calif. City of F.

RADEX

	KGZM	MP	100
	KGZN	MP	100
	KGZO	MP	35
	KGZV	MP	125
	KGZX	MP	50
	KBFA	MP	500
	KBFI	MP	50
	KNFP	MP	50
	KNGU	MP	100
	KNGY	MP	40
	KQAW	SP	5
	KQAX	SP	30
	KQAY	SP	50
	KQAZ	SP	50
	KQBX	SP	50
	KQDM	MP	100
	KQDO	MP	50
	KQEC	MP	50
	KSOM	MP	250
	KWAY	SP	....
	WAKN	MP	50
	WCK	MP	500
	WMO	MP	50
	WMPF	MP	50
	WPDA	MP	150
	WPDJ	MP	....
	WPDY	MP	500
	WPDY	MP	400
	WPFH	MP	200
	WPHI	MP	250
	WPGH	MP	300
	WPGI	MP	100
	WPGM	MP	50
	WQFB	MP	250
	WQFI	MP	50
	WQFV	MP	250
2422	KACA	MP	50
	KACI	MP	100
	KADS	MP	50
	KAGD	MP	25
	KANA	T	....
	KASG	MP	350
	KBMN	T	50
	KBMR	T	50
	KGPE	MP	500
	KGPG	MP	50
	KGZC	MP	50
	KHCP	MP	100
	KKAC	T	50
	KNGF	MP	500
	KNGV	MP	50
	KNS	CH	....
	KSY	CH	50
	KSZ	CHT	50
	WKMS	MP	50
	WMT	MP	500
	WNFP	MP	135
	WNFP	MP	50
	WPDH	MP	200
	WPDW	MP	400
	WPFU	MP	100
	WPHB	MP	50
	WRHT	MP	250
2430	KAKI	CT	50
	KPMK	T	50
	KBMS	C	50
	KBMT	T	50
	WPFK	MP	500
	WPGT	MP	100
	WPHO	MP	50
	WPRH	MP	50
	WQFO	MP	50
	WSAG	MP	200
2437	HRN	B	500
2442	KADV	MP	50
	KASD	MP	50
	KGHU	MP	100
	KGPP	MP	500
	KGPX	MP	500

El Paso, Tex. City of E. P.
 Tacoma, Wash. City of T.
 Santa Barbara, Calif. City of S. B.
 Aberdeen, Wash. City of A.
 Albuquerque, N. Mex. City of A.
 Clovis, N. M. City of C.
 Mt. Vernon, Wash. Skagit County
 Everett, Wash. City of E.
 Yakima, Wash.
 Lodi, Calif. City of L.
 Mobile in State of Wash., to be used when service from regular MP stations is not available. State of W.
 Mobile in Wash. State of W.
 Mobile in Wash. State of W.
 Mobile in State of Wash. Same as KQAW
 Mobile in Wash. State of W.
 Colfax, Wash. Whitman County Sheriff
 Modesto, Calif. City of M.
 Port Townsend, Wash. Jefferson County.
 Marced, Calif. Merced County Sheriff's Office.
 Mobile in Wash. State of W.
 Herkimer, N. Y. Village of H.
 Detroit, Mich. City of D.
 Highland Park, Mich. City of H. P.
 Waycross, Ga. City of W.
 Tulare, Calif. City of T.
 Passaic, N. J.
 Detroit, Mich. City of D.
 Atlanta, Ga. City of A.
 Baltimore, Md.
 Columbus, Ga. City of C.
 Albany, N. Y. City of A.
 Utica, N. Y. City of U.
 La Grange, Ga.
 Macon, Ga.
 Oneonta, N. Y. City of O.
 Augusta, Ga. City Council of A.
 Atchison, Kans. City of A. Municipal Police
 Eureka, Calif. Humboldt County Police
 Marysville, Calif. City of M. Police
 Woodland, Calif. City of W.
 Port Williams, Alaska. Wash. Fish & Oyster Co.
 Willows, Calif. Glenn County Sheriff's Office.
 Crab Bay, T. A. Chatham Strait Fish Co.
 Crab Bay, T. A. Same as KBMN
 Kansas City, Mo. City of K. C.
 Vallejo, Calif. City of V.
 Topeka, Kans. City of T.
 Eureka, Calif. Humboldt County Police
 Zachar Bay, T. A. Same as KBMN
 Sacramento, Calif.
 Salina, Kans. City of S.
 Port Williams, T. A. Same as KANA
 Crab Bay, T. A. Same as KBMN
 Zachar Bay, T. A. Same as KBMN
 Rockland, Maine. Knox County
 Buffalo, N. Y. City of B., 757 E. Perry St.
 Niagara Falls, N. Y. City of N. F.
 Niagara Falls, N. Y. City of N. F.
 Rochester, N. Y. City of R.
 Washington, D. C.
 Portland, Maine. City of P.
 Nashua, N. H. City of N.
 Nashville, Tenn. Davidson County Sheriff's Office
 Combine, Alaska. Columbia River Packers Ass'n.
 Thompson (near Naknek) Alaska. Same as KAKI
 Thompson, T. A. Same as KAKI
 Combine, T. A. Same as KAKI
 Hackensack, N. J. Bergen County Police
 Portsmouth, Ohio. City of P.
 Zanesville, Ohio
 Rock Hill, S. C. City of R. H.
 Lancaster, Ohio. City of L.
 Ashland, Ky. City of A.
 Tegucigalpa, Honduras. "La Voz de Honduras"
 Eugene, Ore. City of E.
 San Angelo, Tex. City of S. A.
 Austin, Tex. City of A.
 Portland, Ore. City of P.
 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	FT. 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.
WFB	G	42	Washington, D. C. Federal Bureau of Investiga-
WMDZ	MP	400	tion
WMP	MP	100	Indianapolis Ind. City of Ind. Police Dept.
WPDE	MP	200	Anderson Ind. City of A.
WPDE	MP	150	Louisville Ky. City of L.
WPDH	MP	100	Flint Mich. City of F.
WPDH	MP	50	Richmond Ind. City of R.
WPBB	MP	500	Lansing Mich. City of L.
WPES	MP	500	Grand Rapids Mich. City of G. R.
WPFC	MP	300	Saginaw Mich. City of S.
WPFE	MP	100	Muskegon Mich. City of M.
WPFG	MP	400	Reading Pa. City of R.
WPFT	MP	50	Jacksonville, Fla.
WPFY	MP	50	Lakeland, Fla. City of L.
WPFY	MP	400	Palm Beach, Fla. Town of P. B.
WPFZ	MP	1000	Yonkers, N. Y. City of Y.
WPLG	MP	400	Miami, Fla. (5000 watts days). City of M.
WPGP	MP	100	Binghamton, 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.
WWTK	C	...	Miami, Fla. City of M.
KACF	MP	100	Bullion Depository, Ky.
KACL	ML	50	Chickasha, Okla. C. City Police
KACP	MP	50	Afflitus, 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	Drunright, 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.
KGZP	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. Southwestern 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	Shawnee, Okla. City of S.
WPDK	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
WPEP	MP	100	Manhattan, N. Y. City of New York
WPHF	MP	400	Kenosha, Wis. City and County of K.
WQFG	MP	100	Richmond, Va. City of R. Dept. of Pub. Safety
WQFH	MP	50	Roanoke, Va.
WQFI	MP	250	Lynchburg, Va. City of L.
			Petersburg, Va. City of P.

2458	WROM	MP	...	Mobile in Bristol, Va. (1 unit-10 w). City of B.
	GACM	MP	50	Big Spring, Tex. City of B. S. Police
	KADR	MP	40	Abilene, Tex. City of A. Police
	KAPI	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.
	WMP	MP	40	Clinton, Ill. DeWitt County
	WPDG	MP	250	Youngstown, Ohio. City of Y. Police
	WPDG	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	Steubenville, 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	Combene, Alaska. Columbia River Packers' Ass'n.
	KAWP	MP	100	Iowa City, Iowa. City of I. C.
	KBIU	T	...	Selawik, T. A. Northern Radio Co.
	KBMK	T	50	Thompson, T. A. Same as KAKI
	KBMS	T	50	Thompson, T. A. Same as KAKI
	KBMT	T	50	Thompson, T. A. Same as KAKI
	KBNG	T	50	Combine, T. A. Same as KAKI
	KBNH	T	50	M/S "Ogontz," Alaska Southern Packing Co.
	KBNM	T	25	M/S "Ogontz," Same as KBNG
	KBPL	T	30	Platinum, T. A. Alaska Traders
	KBPM	T	30	North Naknek, T. A. Albert R. Davey
	KGBT	T	50	North Naknek, T. A. Albert R. Davey
	KGOZ	MP	100	Selawik, T. A. Same as KBJU
	KGPD	MP	400	Cedar Rapids, Iowa. City of C. R.
	KGPI	MP	400	San Francisco, Calif. City and County of S. F.
	KGPK	MP	100	Omaha, Nebr. City of O.
	KGPM	MP	100	Sioux City, Iowa. City of S. C.
	KGPN	MP	100	San Jose, Calif.
	KGZG	MP	100	Davenport, Iowa. City of D.
	KICA	T	...	Des Moines, Iowa. City of D. M.
	KLA	CH	...	View Cove, Dall Island, T. A. Superior Port-
	KPBA	MP	50	land Cement, Inc.
	KQAR	MP	50	Waterfall, T. A. Nakat Packing Corp.
	KQDT	MP	50	Blytheville, Ark. City of B.
	WAKB	MP	50	Burlington, Iowa. City of B.
	WAKG	MP	50	Dubuque, Iowa. City of D.
	WPPT	MP	200	New London, Conn. City of N. L.
	WMPW	MP	50	Clearwater, Fla. Pinellas County
	WPEC	MP	500	Tampa, Fla. City of T.
	WPEM	MP	50	Waterbury, Conn. City of W.
	WPFV	MP	50	Memphis, Tenn. (1000 w. days). City of M.
	WPGA	MP	50	Woodsstock, R. I. City of W.
	WPGB	MP	300	Pawtucket, R. I. City of P.
	WPGK	MP	50	Bridgeport, Conn. City of B.
	WPGX	MP	100	Bay City, Mich. City of B. C.
	WPHA	MP	50	Port Huron, Mich. City of P. H.
	WPHN	MP	100	Cranston, R. I. City of C.
	WPHN	MP	100	Worcester, Mass. City of W.
	WFOA	MP	100	Fitchburg, Mass. City of F.
	WOFB	MP	50	Tampa, Fla. City of T.
	WOFB	MP	50	Jackson, Mich. City of tJ. Police Dept.
	WRDR	MP	350	New Haven, Conn.
	YV5PC	MP	...	Gainesville, Fla.
2474	KAED	T	40	Clearwater, Fla. City of C.
	KAED	T	...	Grosse Pointe, Mich. Township of G. P.
	KAED	T	...	Caracas, Venezuela. Servicio Radio Policial.
	KAED	T	...	Angeon, Alaska. Alaska Aeronautical & Commu-
	KAED	T	...	nications Commission
	KAED	T	...	Kake, Alaska. Same as KAED
	KAED	T	...	Tenakee, Alaska. Same as KAED
	KAED	T	...	Windham, T. A. N. B. Randall
	KAED	T	...	Las Vegas, Nev.
	KAED	T	...	Reno, Nevada. City of R.
	KAED	T	...	Hoonah, T. A. Same as KAED
	KAED	T	...	Garden City, Kans. City of G. C.
	KAED	T	...	Dodge City, Kans.
	KAED	T	...	Lima, Ohio. City of L.
	KAED	T	...	Sandusky, Ohio. City of S.
	KAED	T	...	Shelby, Ohio. Shelby Police Dept.
	KAED	T	...	Kenton, Ohio. K. Police Dept.

WMPK	MP	100
WPDP	MP	15
WPFO	MP	40
WPFO	MP	50
WPFS	MP	500
WPGZ	MP	100
WPHY	MP	100
WOFY	MP	50
WOTO	MP	100
WRDO	MP	400
2482 KBNG	C	50
KBNH	T	50
KDX	CH	....
KGO	CH	....
KGZE	MP	50
KIJP	T	....
KIJU	T	....
KIMF	....	....
KIOA	C	....
KIOF	T	....
KLY	CH	....
KQAJ	MP	50
KSF	CH	50
WPGT	MP	50
WPHZ	MP	50
WOFF	MP	50
WOFU	MP	50
2490 KACQ	SP	10
KADF	MP	250
KADI	MP	50
KADO	MP	50
KASH	SP	50
KAXV	SP	50
KBIE	SP	50
KBMP	MP	50
KGZ	SP	....
KGHD	SP	50
KGHE	SP	50
KGHO	SP	10
KGHX	MP	500
KGKE	SP	30
KGZD	MP	400
KGZU	MP	20
KNFC	MP	50

THIS LIST WILL BE CONTINUED IN OUR NEXT ISSUE.

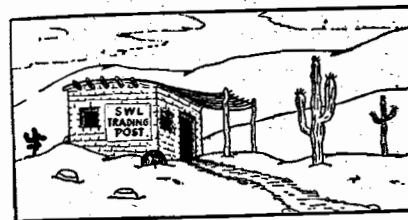
Explanation of the Third Column Symbols:

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.

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).

Fremont, Ohio. City of F.
Philadelphia, Pa. City of P.
Knoxville, Tenn. City of K.
Swarthmore, Pa. Borough of S.
Asheville, N. C. Buncombe County.
Johnson City, Tenn. City of J. C.
Elizabethton, Tenn. Carter County
Mansfield, Ohio. City of M.
Bucyrus, Ohio. City of B.
Toledo, Ohio. City of T.
M/S "Ogontz" moored in Alaska. Alaska
Southern Packing Co.
M/S "Ogontz." Same as KBNG
M/S "La Merced," moored near Malse Pass,
T. A. Same as KBNG
Todd, T. A. Peril Straits Packing Co.
San Antonio, Tex. City of S. A. and State of
Texas
Uganik Bay, T. A. San Juan Fishing & Pack-
ing Co., Seattle Wash.
Todd, T. A. Same as KGO
Todd, T. A. Same as KGO
M/S "La Merced." Same as KDX
M/S "La Merced." Same as KDX
Uganik Bay, T. A. Same as KOJP
Joplin, Mo. City of J.
M/S "Ogontz." Same as KBNG
New Castle, Pa. City of N. C.
Oil City, Pa. City of O. C.
Monessen, Pa. City of M.
Sharon, Pa. City of S.
Kalaloch, Wash. State of W. Highway & Patrol
Dept.
Yuma, Ariz. Yuma County
Oceanside, Calif. City of O. Police
Brea, Calif. City of B.
Portable-Mobile in Wash. Same as KACQ
Portable in Wash. Same as KACQ
NC-14620. State of Wash., Dept. of Fisheries
Brawley, Calif. City of B.
Mobile in Wash. Same as KACQ
Seattle, Wash. Same as KACQ
Snoqualmie Pass, Wash. Same as KACQ
Chinook Pass, Wash. Same as KACQ
Santa Ana, Calif. Orange County Police
Portable in Wash. Same as KACQ
San Diego, Calif. City of S. D.
Lincoln, Nebr.
Port Angeles, Wash.



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., Painesville, 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 Brcdstg. Co. 1230 kcs, 500 (1) unltd.
Brownwood, Tex. Brown County Brcdstg. Co. 1350 kcs, 500 unltd.
Burlington, N. C. Burlington Brcdstg. Co. 1310 kcs, 100 unltd.
Burlington, N. C. Central Carolina Brcdstg. Corp. 1420 kcs, 100 w.
Clarksville, Tenn. Paducah Brcdstg. Co. Inc., 1370 kcs, 250 unltd.
Corpus Christi, Tex. Nueces Brcdstg. 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 Brcdstg. 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. Brcdstg. 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 Brdctg. 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 & Krutzner Brdctg. Co. 1210 kcs., 250 unlt'd.
 Tulsa, Okla. Fred Jones Brdctg. Co. 690 kcs., 50 kilowatts.
 Valdosta, Ga. James Freeman Holmes, 1500 kcs., 250 unlt'd.
 Victoria Tunas, Cuba. Angel Rodulguiez Licea, 200 w.
 Wilkes-Barre, Pa. John Memola, 1210 kcs., 250 unlt'd. (Facilities of WBAX).
 Worcester, Mass. Worcester Brdctg. 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

The Month Changes in Station Data

620 WIAF Salina, N. Y.
 680 Santiago de Cuba
 710 Santa Clara, Cuba
 730 CMKU Victoria Tunas, Cuba
 870 CMJM Ciego de Avila, Cuba
 900 WPAF 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 WSLR 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 Tijuana, B. Cia., from 920
 760 CMGN Joveanos, Cuba, from 670

760 CMHN Santa Clara, Cuba, from 570
 760 CMKJ Guantanamo, Cuba, from 740
 780 CMBC Havana, Cuba, from 690
 860 CMKS Guantanamo Cuba from 710
 880 KRRV Sherman Texas, from 1310
 900 CMJX Camaguey, Cuba, from 660
 950 CKWX 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 CMCG Havana, Cuba, from 1290
 1110 CMCU Havana, Cuba, from 1010
 1140 CMKY Santiago de Cuba, from 960
 1150 CMBQ 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 CMCI Havana, Cuba, from 1110
 1550 CMCB Havana, Cuba, from 1320

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 KPFO Phoenix, Ariz., 250 from 100 (25)
 1200 WMOB Mobile, Ala., 250 from 100
 1200 WTHF Hartford, Conn., 250 from 100
 1210 WFAW 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 Cienfuegos, Cuba, from Sagua la Grande

Call Letters

850 WHCU Ithaca, N. Y., from WESG, Elmira
 1200 WIOB Hammond, Ind., from WWAE
 1230 WALB Albany, Ga., from 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. Perry, El Escalante Hotel, Cedar City, Utah
 1300 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
 560 WCHS Charlestown, W. Va., to 5000
 580 WDBO Orlando, Fla., 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 WUSN St. Petersburg, Fla., to 5000
 630 WTMJ Milwaukee, Wis., to 5000
 630 KFRU Columbia, Mo., to 250
 630 WMAJ Washington, D. C., to 5000
 680 WLAJ 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 WBBN Buffalo, N. Y., to 5000
 940 WAAJ 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
 950 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 KRSC Seattle, Wash., to 1000
 1180 KOB Albuquerque, N. Mex., to 50,000
 1180 WDGJ 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 WKAQ San Juan, P. R., to 5000
 1250 KXOK St. Louis, Mo., to 5000
 1290 WNEL San Juan, P. R., to 5000
 1300 KPH Wichita, Kans., to 5000
 1300 WFBC Greenville, S. C., to 5000

1310 KTSM El Paso, Tex., to 500
 1310 WFBG Altoona, Pa., to 250
 1310 WDFD Flint, Mich., to 1000
 1310 WNBH New Bedford, Mass., to 250
 1310 WROL Knoxville Tenn., to 500 (1)
 1320 KGMB 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 WTAQ 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 WPAJ Portsmouth, Ohio to 250
 1380 KOH Reno, Nev., to 1000
 1380 WALA Mobile, Ala., to 1000
 1390 KABR Abedeen S. Dak., to 5000
 1390 KLRA 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 WNLN 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 WDGJ Minneapolis, Minn., to 1100
 1200 WIHL Johnson City, Tenn., to 880
 1240 WKAQ San Juan, P. R., to 620
 1250 KXOK St. Louis, Mo., to 630
 1310 KTSM El Paso, Tex., to 1350
 1310 WDFD Flint, Mich., to 880
 1310 WROL Knoxville, Tenn., to 620
 1320 KGMB 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

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.
 c—Verifies for government postal card.
 e—Verifies free.
 f—Verifies for 10 cents.
 g—Card for postage; ver 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
 KFVR N 1000(5)
 KOAC ... 1000
 KOY C 1000
 KSD R 1000(5)
 KTSR C 1000(5)
 WDEV D 1000
 WGR CM 1000(5)
 WKRC 1000(5)
 WVA DX 500

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

570 kcs. (526 m.)

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

580 kcs. (516.9 m.)

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

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

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

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

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

Felix E. Batt

RADEX

CKUA F 500
 KMJ EN 5000
 KSAC Z 500(1)
 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
 WEEI C 5000
 WKZO B 1000
 WOW R 5000

600 kcs. (499.7 m.)

CFCE BF 500
 CFQC F 1000
 CJOR ... 1000
 FON 609 250
 KFSD BX 1000
 TIGPH 605 1000
 WCAO C 500(1)
 WICC BM 500(1)
 WMT BM 1000(5)
 WREC C 1000(5)

610 kcs. (491.5 m.)

CHNC F 1000
 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)
 KTR NX 1000
 KWFT 250(1)
 TIPG 625 5000
 WFLA 1000(5)
 WHJB D 250
 WLAF P 1000
 WLBZ MN 500(1)
 WSUN N 1000(5)
 WTMJ 1000(5)

630 kcs. (475.9 m.)

CFCO F 100
 CFCE F 1000
 CJRC F 1000
 CKOV F 1000
 CMCD 15000
 KFRU INXZ 500(1)
 KGFX D 200
 KVOD B 1000
 WGBF INXZ 500(1)
 WMAL BX 250(5)
 WPRO C 5000
 XEZ ... 2000

640 kcs. (468.5 m.)

CMKN O 1000
 HOK ... 12500
 KFI R 50000
 WOFN ... 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, Coah.
 a San Salvador, E. S.

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

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

Kenneth Paul, Ch. Eng.
 A. A. Murphy, Gen. Mgr.
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 G. Salomon
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 Gonzalo Pinto H.
 Mary Lewis
 Garo Ray
 C. F. Quentin, Ch. Eng.
 S. D. Wooten Jr., Ch. Eng.

Dr. Charles Houde, owner
 A. E. Lathrop, owner
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 Claudia Hartinos
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 Walter McCoy, Ch. Eng.
 Lucille Weeks
 Louis Link, Ch. Eng.
 Don Abert, Mgr.

John Beardsall
 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

660 kcs. (454.3 m.)

KOWH BD 500
WEAF R 50000
XEAO ... 250

670 kcs. (447.5 m.)

WMAQ R 50000
XELO ... 50000

680 kcs. (440.9 m.)

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

690 kcs. (434.5 m.)

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

700 kcs. (428.3 m.)

VOWR ... 500
WLW KN 50000
WBXO Exp 500000

710 kcs. (422.3 m.)

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

720 kcs. (416.4 m.)

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

730 kcs. (410.7 m.)

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

740 kcs. (405.2 m.)

KMMJ L 1000
KTRB D 250
WHBB D 1000
WSB R 50000
XEP ... 250
XEPN AQ 50000

750 kcs. (399.8 m.)

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

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

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

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

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

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

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

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

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

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

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

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

Gonzalo Pinto H.
Harry Stone, Gen. Mgr.

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

Audience Mail Dept.
....

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

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

Gonzalo Garcia
....

Wilfred Guenther, Mgr.
Wilfred Guenther, Mgr.

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

Amando Cespedes Marin
Quinn A. Ryan, Gen. Mgr.
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L. J. Yorke, Ch. Eng.
W. T. Cranston, Mgr.
Leonard Spencer, Ch. Eng.
J. M. Marroqui II

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

Marion A. Mulrony, Mgr.
Narciso Garcia

RADEX

RADEX

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

760 kcs. (394.5 m.)

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

770 kcs. (389.4 m.)

KFAB CSXZ 10000
TILJ 775 450
WBBM CS 5000

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

790 kcs. (379.5 m.)

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

800 kcs. (374.8 m.)

HIX ... 800
TIXD ... 1000
WBAP ENA 50000
WFAA ENA 50000
WTBO D 250

810 kcs. (370.2 m.)

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

820 kcs. (365.6 m.)

WHAS C 50000
XEBG ... 1000

830 kcs. (361.2 m.)

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

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

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.

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

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 Mayaguez, P. R.
a Norfolk, Va.
a Mexico City, D. F.

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

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

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

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

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.

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

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

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

Jack Pilling, Ch. Eng.
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Ed Yocum, Mgr.
Rose M. Powers
J. C. Eggleston, Mgr.
John MacDonald, Eng.

Lee Chadwick, DX
Correspondent
Guillermo de del Conde

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R. L. Jones, Eng.
W. J. Purcell, Ch. Eng.
K. P. Brown, Sec'y.

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

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

Lawrence Pohl
Angel B. Fernandez

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

68

840 kcs. (356.9 m.)

CBL F 50000
VOGY 400
XERA 250000

850 kcs. (352.7 m.)

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

860 kcs. (348.6 m.)

CMJA 200
CMKS 200
TIEMC 250
WABC C 50000
WHB DM 1000
XEMO 5000

870 kcs. (344.6 m.)

CMJM O 1000
WENR Ba 50000
WLS Ba 50000
XEFB 200

880 kcs. (340.7 m.)

CBO F 1000
CFJC F 1000
CMX 10000
KFA M2 500(1)
KFLX 1000
KPOF 1000
KRRV M 1000
KVAN D 250
TILS 500
WCOC C 1000
WGBI C 500(1)
WOAN T 500(1)
WRNL DX 500
WSUI 1000(5)

890 kcs. (336.9 m.)

KARK NX 1000
KFNF 2 500(1)
KFPY C 5000
KTKC M 1000
KUSD 2 500
WBAA 500(1)
WGST C 1000(5)
WJAR R 1000(5)
WMMN C 1000(5)
XEW 100000

900 kcs. (333.1 m.)

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

910 kcs. (329.6 m.)

CBF FN 50000
CJAT F 1000
CKY F 15000

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

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

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

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

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

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.

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.

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

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

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

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Rafael Hine Ch.
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Sylvanus Ebert, Ch. Eng.

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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.

RADEX

RADEX

CMKD 1000
XENT Q 50000

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
WPN D 1000
WSPA 1000
WWJ R 1000(5)

930 kcs. (322.4 m.)

CFAC F 1000
CFCH F 100
CFCL F 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

940 kcs. (319 m.)

KOIN C 5000
TIOS 500
WAAT DX 500
WAVE NX 1000
WCWS RX 1000(2.5)
WDAY NX 1000(5)
WHA D 5000
WICA D 1000
XEFO 5000
.... P 1000(5)

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

960 kcs. (312.3 m.)

CBM FR 5000
CFRN F 100
XEAU 100000

970 kcs. (309.1 m.)

CMCK 5000
KJR B 5000
WCFL N 5000
WIBG DX 100

980 kcs. (306 m.)

KDKA B 50000
XEAC 5000
XEFE 250

990 kcs. (302.8 m.)

WBZ BS 50000
WBZA BS 1000
XES 250

a Santiago de Cuba
a Nuevo Laredo, Tam.

z Trinidad, Cuba
z Havana, Cuba
z 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.

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.

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.

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.

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

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

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

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

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Kery Tips, Mgr.
Rogelio Sotela B.
Wm. E. Hutchinson, Mgr.
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R. H. Thomson

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K. H. Berkeley

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Jorge I. Rivera
Rafael T. Carranza

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.

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	2	1000	a	Norman, Okla.
WNOX	C	1000(5)	a	Knoxville, Tenn.
XEFQ	...	500	a	Cananea, Son.
XEU	...	500	a	Veracruz, Ver. C.

1020 kcs. (293.9 m.)

CMHO	...	200	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.

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.

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	a	Hartford, Conn.
....	P	1000	z	Matanzas, Cuba

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.

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.

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

....
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Pedro C. Rivas

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Guillermo Zuniga R.

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

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

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

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

1080 kcs. (277.6 m.)

CMCG	...	200	a	Havana, Cuba
CMKM	...	200	a	Manzanillo, Cuba
WBT	C	50000	a	Charlotte, N. C.
WCBD	LI	5000	a	Chicago, Ill.
WMBI	LI	5000	Q	Chicago, Ill.
XEBA	...	20	z	Guzman, Jal.
XEBK	...	100	z	Nuevo Laredo, Tam.
XEDP	...	500	a	Mexico City, D. F.

1090 kcs. (275.1 m.)

CMHA	...	200	z	Sagua la Grande, Cuba
HIN	...	100	z	Trujillo, D. R.
KMOX	C	50000	a	St. Louis, Mo.
XERB	...	50000	a	Tijuana, B. Cfa.

1100 kcs. (272.6 m.)

CBR	F	5000	a	Vancouver, B. C.
CMHP	...	200	z	Placetas, Cuba
KGDM	DM	1000	f	Stockton, Calif.
KWKH	C	50000	a	Shreveport, La.
WCAR	DP	1000	z	Pontiac, Mich.
WOV	X	5000	a	New York, N. Y.

1110 kcs. (270.1 m.)

CMCU	...	5000	a	Havana, Cuba
CMKH	...	200	z	Guantanamo, Cuba
KSOO	LN	5000	a	Sioux Falls, S. Dak.
WRVA	CM	50000	a	Richmond, Va.
XECL	...	1000	z	Mexicali, B. Cfa.

1120 kcs. (267.7 m.)

CBJ	F	100	a	Chicoutimi, P. Q.
CHLP	F	100	a	Montreal, P. Q.
CHSJ	F	1000	a	St. John, N. B.
CKOC	F	1000	a	Hamilton, Ont.
CKX	F	1000	a	Brandon, Man.
CMGF	...	200	a	Matanzas, Cuba
KFIO	D	100	a	Spokane, Wash.
KFSG	a	1000(5)	a	Los Angeles, Calif.
KRKD	a	1000(5)	a	Los Angeles, Calif.
KSAL	...	500(1)	a	Salina, Kans.
KRSC	EX	250	a	Seattle, Wash.
KTBC	DG2	1000	z	Austin, Texas
WCOP	D	500	a	Boston, Mass.
WDEL	R	250(1)	a	Wilmington, Del.
WISN	C	250(1)	a	Milwaukee, Wis.
WJBO	BX	500	a	Baton Rouge, La.
WKPA	DP	250	z	New Kensington, Pa.
WTAW	G2	500	a	College Station, Texas

1130 kcs. (265.3 m.)

CMJI	...	200	a	Ciego de Avila, Cuba
KSL	C	50000	a	Salt Lake City, Utah
WJJD	L	20000	a	Chicago, Ill.
XEJP	...	100	z	Mexico City, D. F.

1140 kcs. (263 m.)

CMKY	...	5000	z	Santiago, Cuba
KVOO	N	25000	a	Tulsa, Okla.
WAPI	C	5000	a	Birmingham, Ala.
WSPR	LM	500	a	Springfield, Mass.

1150 kcs. (260.7 m.)

CMBO	...	5000	a	Havana, Cuba
WHAM	N	50000	a	Rochester, N. Y.
XEBP	...	250	z	Durango, Dgo.
XEC	...	100	a	Tijuana, B. Cfa.
XEDW	...	300	a	Minatitlan, Ver. C.
XEL	...	250	z	Mexico City, D. F.
XEXH	...	400	z	Oaxaca, Oax.

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

Abelardo Menocal
J. M. Bonetti
G. L. Tevis, Ch. Eng.
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John McCormack, Mgr.
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S. H. Alper

M. D. Roddenbury
Alfonso A. Lacarra

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

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

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

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

1160 kcs. (258.5 m.)

CMHJ ... 200
 KEX ... 5000
 WOWO BI 10000
 WWVA CI 5000
 XEAS ... 100
 XED ... 2500
 XEFM ...
 KEP ... 500

1170 kcs. (256.3 m.)

WCAU C 50000
 XEXX ... 1000

1180 kcs. (254.1 m.)

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

1190 kcs. (252 m.)

CMGH ... 500
 CMKX ... 200
 WQAI EN 50000
 WSAZ L 1000

1200 kcs. (249.9 m.)

CHAB F 100 (.25)
 CHGB F 100

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 ... 250
 KHBG CM 250
 KMLB ... 250
 KODL P 100 (.25)
 KOOS M 250
 KPHO M 250
 KSUN E 250
 KVCV M 250
 KVEC M 250
 KVNJ M 250
 KVOB 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
 WBWP N 250
 WCAT D 100
 WCAX C 250
 WCBT P 250
 WCED P 250
 WCLO ... 250
 WCOL N 250
 WCPD ... 250
 WDLF ... 100 (.25)
 WDSM M 100
 WENY M 250

a Cienfuegos, Cuba
 a Portland, Oreg.
 a Fort Wayne, Ind.
 a Wheeling, W. Va.
 a Saltillo, Coah.
 a Guadalupe, Jal.
 a Leon, Gto.
 a Juarez, Chih.
 a Philadelphia, Pa.
 z Mexico City, D. F.
 a Havana, Cuba
 a Havana, Cuba
 a Albuquerque, N. Mex.
 a Minneapolis, Minn.
 a New York, N. Y.
 a Macon, Ga.
 a Matanzas, Cuba
 z Banes, Cuba
 a San Antonio, Texas
 a Huntington, W. Va.
 a Moose Jaw, Sask.
 z St. Anne de la Pocatiere, P. Q.
 a Wingham, Ont.
 a St. Catharines, Ont.
 z Val d'Or, P. Q.
 a 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 Little Angeles, Calif.
 a Little Rock, Ark.
 z Hastings, Nebr.
 a Hilo, Hawaii
 a Monroe, La.
 z The Dalles, Oreg.
 a Marshfield, Oreg.
 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.

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 Earl Travis, Ch. Eng.
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 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

RADEX

WEST M 250
 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 G 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
 KDRL ... 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
 KPFA EN 250
 KPCC 2 100
 KROY C 100
 KVSQ M 100 (.25)
 KWAT ... 250
 KWJB ... 250
 KXOX ... 250
 KYUM ... 250
 WATN P 250
 WBAX AM 100
 WBLB 5 100
 WBIR P 100 (.25)
 WBRB 3 100
 WCOU M 250
 WCOV ... 100
 WCRW 4 100
 WEDC ... 250
 WEDC G4 250
 WFAS 3 250
 WFOY ... 250
 WFTM P 250
 WGAC ... 250
 WGBB 3 100
 WGCM ... 250

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

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
 a Montgomery, Ala.
 z 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.

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.
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 A. B. Quigley
 Hollis F. Hayes, Ch. Eng.
 O. Lee Stone
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Richard K. Blackburn
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Marcel Provst, Mgr.
 Frank M. Squires
 Gerald Prest

R. L. MacAdam
 C. S. Chapman, Mgr.

R. G. Gonzalez

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 Herbert Hollister, Mgr.
 Lyman Brown, Prog. Dir.
 Merle Bjork, Ch. Annr.
 Howard Walters, Mgr.
 Geo. Kincaid, Mgr.
 Don Searle, Mgr.
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 F. C. Eighmey, Mgr.
 W. R. Taft, Mgr.
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 Jack Hawkins, Mgr.
 H. A. Degner, Mgr.

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 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
WHAU	M	250
WHBU		100(.25)
WHIZ	N	250
WIBU		250
WINN		100(.25)
WIBY	E	250
WJEJ		250
WJIM	B	250
WJLS		250
WJMC		250
WJTN	D	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	MM	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
KGGM	C	1000
KYA	E	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
WKAQ	CXZ	1000
WXYZ	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	Povnetta, 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	Hvannis, 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.
a	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 Criley, Mgr.
....	Leo Yiha, Ch. Eng.
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....	Walter McGenty
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....	Paul L. Miller, Eng.
....	S. L. Gladfelter, Ch. Eng.
....	Charles Persons, Ch. Eng.
....	Francis M. Kadow
....	H. Wimpy
....	Geo. T. Case, Mgr.
....	Thurloow Greene
....	Ed Jacker, Ch. Eng.
....	James Turner
....	L. L. Caudle, Ch. Eng.
....	Edward Ring, Ch. Eng.
....	D. M. Dradham, Ch. Eng.
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....	Alejandro O. Stevenson
....	Dario Cordoba

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....	Kenneth Yeend, Mgr.
....	Gonzalo Pinto, H.
....	Dr. Ward C. Priest, Ch. Eng.
....	James Schultz, Ch. Eng.
....	Joseph Smiley, Mgr.
....	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.
....	N. N. Lyon, Ch. Technician
....	Nicolas M. Picet
....	Rodolfo Junco de la Vega

....	Francisco Martinez
....	Ortelio Ramierz
....	H. Sutton, Ch. Eng.
....	John E. Gardner, Mgr.
....	Robert Sinner, 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
KIT	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
KUGA	D	5000
KVOA	EN	1000
WFOA	D	250
WHIO	C	1000(5)
WHLD	D	1000
WNBX	CMY	1000
WTOC	C	1000(5)

1270 kcs. (236.1 m.)

CMHD	...	200
KGCA	DO2	100
KOL	M	1000(5)
KVOR	C	1000
KWLC	D2	100
WASH	adN	500
WFBK	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
KFBK	C	1000(5)
KLS	...	250
WCAM	...	500
WCAP	2	500
WDDO	2	1000(5)
WIBA	C	1000(5)
WORC	N	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)
KLCN	D	100
KTRH	C	1000(5)
WATR	...	250
WEBC	N	1000(5)
WJAS	C	1000(5)

z	Cordoba, Ver. C.
z	Navojos, 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.
z	New York, N. Y.
z	Minneapolis, Minn.
z	Mexico City, D. F.

a	Ciego de Avila, Cuba
a	Missoula, Mont.
a	Chico, Calif.
a	Omaha, Nebr.
a	Westaco, 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.
z	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

Ramon Duran
Hal G. Nichols, Mgr.
James A. Murphy, Mgr.
Allen Franklin, Prog. Dir.
Geo. D. Walker, Mgr.
Fred Fabre, Ch. Eng.
Irwin R. Wolfe, Ch. Eng.
A. W. Graham
Leo S. Burch, Ch. Eng.
Max Weiner, Ch. Eng.
Carmen Gutierrez

Bonifacio Ildefonso
A. J. Mosby, Mgr.
Harold Smithson, Mgr.
Don Searle, Mgr.
Ken L. Gibson, Mgr.
C. M. Books, Mgr.
Gil Maynier, Prog. Dir.
Ernest Adams, Ch. Eng.
Wm. Moore, Ch. Eng.
Wm. B. Smart, Prog. Dir.

Manuel Alvarez M.
Elmer Pederson, Mgr.
Charles Greenley
Hugh Terry, Mgr.
Dr. O. J. H. Preuss
Sandy Meek, Prog. Dir.
Wm. Q. Ranft, Ch. Eng.
Percy Root, Ch. Eng.
Sandy Meek, Prog. Dir.

Manuel Angulo Faran
Jessie Jacobson, Mgr.
S. W. Warner, Mgr.
R. L. Horn, Prog. Dir.
Frank S. Lane, Mgr.
M. F. Chapin, Ch. Eng.
Chas Jordan, Prog. Dir.
E. P. Knowles, Ch. Eng.
Alfonso Avalos

S. S. Fox, Mgr.
C. L. Lintzenich, Mgr.
B. F. Orr, Mgr.
Chas. Persons, Ch. Eng.
Walter McCoy, Ch. Eng.

WJHP ... 250
WNBJ D 100
WNEL X 1000(.25)

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)
WLWL ... 1000

1310 kcs. (228.9 m.)

CFGP ... 100
CHCK ... 50
CJLS F 100
CKCV F 100
CMKE ? 250
KARM C 250
KBND ... 250
KCKN E 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
KRJF P 250
KRMD ... 250
KROC EN 250
KRRV DMXZ 250
KSRO ... 250
KSUB ... 100
KTSN N2XZ 250
KUIN ... 250
KVIC ... 100(.25)
KVOL ... 250
KVQX E 250
KVSF C 100
KWFC 100(.25)
KWLM P 100
KWOC ... 250
KWOS ... 250
KXRO M 250
TGI ... 250
WAML ... 250
WBRE N 250
WBRK M 250
WBRW P 250
WCLS L 100
WCMJ M 250
WDAH 2 250
WDAK ... 250
WDMJ ... 250
WEBR B 250
WEMP ... 250
WEXL ... 50
WFBG RX 100
WDFB BXZ 100
WFHR P 100(.25)
WFIG ... 100(.25)
WGAU ... 250
WGH K 250
WGTM ... 250
WHAT ... 100
WINX P 250
WIZE P 100
WJPF P 250
WJPR N 250
WLAK N 250
WLAV P 250

a Jacksonville, Fla.
a Saranac Lake, N. Y.
a San Juan, Puerto Rico

a Portland, Ore.
a Los Angeles, Calif.
a Wichita, Kans.
a Brooklyn, N. Y.
a New York, N. Y.
a Greenville, S. C.
a Troy, N. Y.
a Sheboygan, Wis.
a Minneapolis, Minn.

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.

Carlyle Wright, Mgr.

Juan Piza

Dick Rand, Prog. Dir.
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H. D. Harris, Ch. Eng.
Herbert Mayer, Ch. Eng.

Laurie L. Smith

Lou Keplinger, Mgr.

Ralph Nelson, Prog. Dir.
Irvin Faulkner, Ch. Op.
C. B. Baxter, Mgr.
De Witt Landis, Mgr.
Donald Treloar
Clark Standiford, Mgr.
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Tom Spellman, Ch. Eng.
W. R. Nichols, Ch. Eng.
Wayne Boothe, Annc'r.
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Geo. H. Thomas, Mgr.
M. M. Marget, Mgr.

Randall Jesse, Mgr.
R. L. Rose, Mgr.
Harry R. Spence, Mgr.
Col. Eduardo Perez F.
R. V. DeGruy, Mgr.
Louis G. Baltimore
Norman H. Blake, Ch. Eng.
E. Hayes, Ch. Eng.
Paul W. Holton, Eng.

Albert Zink, Mgr.
Roy Host, Ch. Eng.
Kirk Knight, Prog. Dir.
Roy Thompson, Eng.
F. S. Loeb, Mgr.

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
WLBJ ... 250
WLNH M 250
WMBO ... 250
WMFF B 250
WNBH MX 100(.25)
WRAW N 250
WROL NXZ 250
WSAJ G3 100
WSAV N 250
WSGN BE 250
WSJS MN 250
WSOY ... 250
WSTV GP3 250
WTAL ... 100(.25)
WTLS 4 100
WTJS ... 250
WTRC ... 250
XEAG ... 250
XEFW ... 300
XETB ... 500
XEX ... 500
... P 250

1320 kcs. (227.1 m.)

CMHQ ... 200
KGHF B 500
KGM BCMZX 1000
KID ... 500(.1)
KRNT C 1000(.5)
WADC CX 1000(.5)
WORK N 1000
WSMB R 5000

1330 kcs. (225.4 m.)

CMJL ... 200
KGB M 1 000
KMO M 1000
KRIS N 500
KSCJ NX 1000(.5)
WDRC C 5000
WSAI MNX 1000(.5)
WTAQ CX 1000(.5)
XEBO ... 1000

1340 kcs. (223.7 m.)

KDTH DP 500
KFRO ... 1000
KGIR EN 5000
KGNO ... 250(.1)
WCOA N 500(.1)
WFEA MN 500(.1)
WFNC D 250
WSPD R 5000
WPAB ... 1000
XEAP ... 50
XEBJ ... 100
XEB5 ... 200
XEBW ... 250
XEDH ... 200
XEFC ... 100
XELW ... 250

1350 kcs. (222.1 m.)

CMC ... 200
CMCA ... 200
CMKB ... 200
KIDO N 1000(.25)
KWK BM 1000(.5)
WAWZ 2 1000
WBNX 2 5000
WMBG R 1000(.5)

1360 kcs. (220.4 m.)

CMJH ... 200
KCRC EM 250

a Muncie, Ind.
a Bowling Green, Ky.
a Laconia, N. H.
a Auburn, N. Y.
a Plattsburg, N. Y.
a New Bedford, Mass.
a Reading, Pa.
a Knoxville, Tenn.
a Groves City, Pa.
a Savannah, Ga.
a Birmingham, Ala.
a Winston-Salem, N. C.
a Decatur, Ill.
z Steubenville, Ohio
a Tallahassee, Fla.
a Philadelphia, Pa.
a Jackson, Tenn.
a Elkhart, Ind.
z Cordoba, Ver. C.
a Tampico, Tam.
a Torreon, Coah.
a Monterrey, N. L.
z Washington, D. C.

z Santa Clara, Cuba
a Pueblo, Colo.
a Honolulu, Hawaii
a Idaho Falls, Idaho
a Des Moines, Iowa
a Akron, Ohio
a York, Pa.
a New Orleans, La.

z Nuevitas, Cuba
a San Diego, Calif.
a Tacoma, Wash.
a Corpus Christi, Tex.
a Sioux City, Iowa
a Hartford, Conn.
a Cincinnati, Ohio
a Green Bay, Wis.
a Irapuato, Gto.

z Dubuque, Iowa
a Longview, Tex.
a Butte, Mont.
b Dodge City, Kans.
a Pensacola, Fla.
a Manchester, N. H.
a Fayetteville, N. C.
a Toledo, Ohio
a Ponce, Puerto Rico
z Obregon, Son.
a Victoria, Tam.
z Mexico City, D. F.
a Chihuahua, Chih.
z Villa Acuna, Coah.
a Merida, Yuc.
z Guadalajara, Jal.

a Havana, Cuba
a Havana, Cuba
z Puerto Padre, Cuba
a Boise, Idaho
a St. Louis, Mo.
a Zarephath, N. J.
a New York, N. Y.
a Richmond, Va.

d Ciego de Avila, Cuba
a Enid, Okla.

Donald A. Burton

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Herbert House, Ch. Eng.
John Nazak, Ch. Eng.
I. Vermilya
M. Leonard Savage
L. Strunk
Herbert Harmon, Mgr.

Richard Kingston, Prog. Dir.

B. C. Rummell, Ch. Eng.
R. R. Baker, Mgr.
Diodoro Zuniga

Aurelio G. Zaragoza

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Webley Edwards, Mgr.
Jack Duckworth, Mgr.
Edmund Linehan, Prog. Dir.
Robert Wilson
J. E. Mathiot, Ch. Eng.
H. G. Nebe, Ch. Eng.

David R. Young, Prog. Dir.
Carl E. Haymond
T. Frank Smith, Mgr.
C. W. Corkhill, Mgr.
Italo Martino, Ch. Eng.
Bill Bailey, Pub. Dir.

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Fernando Elizalde
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Vincente Hernandez
Julio Molina Font

J. M. Gonzalez, Dir.

C. G. Phillips, Mgr.
Clarence Cosby, Mgr.

Wifred H. Wood

Luis Masauri H.
Wm. Butterfield, Annc'r.

KGER ... 1000
 KLPM ... 500(1)
 KSLM M 1000
 WCSC C 500(1)
 WFBL CX 1000(5)
 WGES 2 500(1)
 WOBC D 1000
 WSBT C2 500

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 BEZ 100
 KEVR D 100
 KFGO ... 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 ... 100
 KVFD G 250
 KVGB ... 250
 KVR5 ... 250
 KWLK ... 250
 KWYO ... 250
 KYAN P 250
 WABY BM 100(.25)
 WAGF D 250
 WARM ... 250
 WATL M 250
 WATW ... 100
 WBLK N 100
 WBNY 2 250
 WBTH ... 250
 WBTH ... 100(.25)
 WCBT 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 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.

a Flin Flon, Man.
 a Owen Sound, Ont.
 a Lethbridge, Alta.
 a Moncton, N. B.
 a Rouyn, P. Q.
 a Cardenas, Cuba
 a Trujillo, D. R.
 a El Dorado, Ark.
 a 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.
 a 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.
 a Williamson, W. Va.
 a Danville, Va.
 a Columbus, Miss.
 a Baltimore, Md.
 a Elizabeth City, N. C.
 a Columbia, S. C.
 a Philadelphia, Pa.
 a 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.

Jay Tapp, Ch. Eng.
 Richard Schmidt, Mgr.
 Clyde Wiegand, Ch. Eng.
 J. M. Weaver, Ch. Eng.
 M. Wilcox

J. O. Tardif, Mgr.
 Genero Seabater
 Frank Hatton
 F. E. Bolls

Robert Stoddard, Mgr.
 Arthur Dailey, Mgr.

E. Whitmore, Mgr.
 Earle Yates, Mgr.
 Chas. C. Alsop, Mgr.
 Jack Hawkins, Mgr.
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 Merle Snider
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 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

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
 WRAC ... 250
 WRDO MN 100
 WRJN ... 250
 WSAU ... 250
 WSLB ... 250
 WSVS G2 50
 WTCM P 250
 WTSP ... 250
 XECZ ... 100
 XEI ... 125
 XELZ ... 100

1380 kcs. (217.3 m.)

KQV ... 1000
 WALA CX 500(1)
 WING N 250(.5)
 WKBH C 1000
 WNBC B 1000

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

1400 kcs. (214.2 m.)

CMAR ... 200
 CMKR ... 200
 KLO B 5000
 KTUL C 5000
 TGX ... 500
 WARD 2 500
 WBBC 2 500
 WIRE MR 5000
 WLTH 2 500
 WYFW 2 500
 XEA ... 250
 XEAJ ... 100
 XEAU A 250
 XEDE ... 100
 XEDS ... 250
 XEPP ... 150

1410 kcs. (212.5 m.)

CKFC 2 50
 CKMO 2 100
 CMBY ... 200
 CMCO ... 200
 KFJM ... 500(1)
 KGNC N 1000(2.5)
 KMED N 250(1)
 WAAB EM 1000
 WBCM ... 500(1)
 WHIS ... 500(1)
 WRCK M 500(1)
 WSFA CE 500(1)

a 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.
 a Moultrie, Ga.
 a St. Paul, Minn.
 a Decatur, Ala.
 a Davenport, Iowa
 a Spartanburg, S. C.
 a Portsmouth, Ohio
 a Williamsport, Pa.
 a Augusta, Maine
 a Racine, Wis.
 a Wausau, Wis.
 a Ogdensburg, N. Y.
 a Buffalo, N. Y.
 a Traverse City, Mich.
 a St. Petersburg, Fla.
 a San Luis Potosi, S. L. P.
 a Morelia, Micho.
 a 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

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.

a Camaguey, Cuba
 a Aberdeen, S. Dak.
 a Little Rock, Ark.
 a Lewiston, Idaho
 a Pawtucket, R. I.
 a Cleveland, Ohio
 a St. Albans, Vt.
 a Chihuahua, Chih.

Miguel Guillen Perez
 W. L. Dean, Prog. Dir.
 S. C. Vinsonhaler, Mgr.
 Donald H. Wike, Mgr.

E. L. Gove, Tech. Sup.

a Pinar del Rio, Cuba
 a Santiago de Cuba
 a Ogden, Utah
 a Tulsa, Okla.
 a Guatemala City, Guat.
 a Brooklyn, N. Y.
 a Brooklyn, N. Y.
 a Indianapolis, Ind.
 a New York, N. Y.
 a Brooklyn, N. Y.
 a Campeche, Cam.
 a Navojoa, Son.
 a Tijuana, B. Cfa.
 a Torreon, Coah.
 a Mazatlan, Sin.
 a Orizaba, Ver. Ca.

Jaime Nadal
 Paul R. Heitmeyer
 W. C. Gillespie
 Aron Kronenberg
 Bert Child, Prog. Dir.
 Earl Lewis, Ch. Eng.

a Vancouver, B. C.
 a Vancouver, B. C.
 a Havana, Cuba
 a Havana, Cuba
 a Grand Forks, N. Dak.
 a Amarillo, Texas
 a 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
WAPQ	NXZ	250
WAZL	M	250
WBML	P	250
WCBS	N	250
WCHV	...	250
WEED	...	250
WELL	BX	100
WFMJ	...	250
WFGP	...	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
WMFJ	...	250
WMSD	X	250
WMVA	P	100 (.25)
WNAB	P	250
WNOE	...	250
WPAQ	...	250
WPAR	C	100
WPRP	XZ	250
WSLI	...	250
WSPB	...	250
....	P	250

1430 kcs. (209.7 m.)

CJGX	F	1000
CMKZ	...	1000
KGNF	D	1000

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	Macena, 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.

a	Yorkton, Sask.
z	Palma Soriano, Cuba
z	North Platts, Nebr.

Leon Trepanier, Engrg.
....

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.

A. L. Garside, Mgr.
Joaquin Venero Obregon
J. B. Eaves, Eng.

KINY	1000
KSO	BM 1000(5)
WBNS	C 1000(5)
WHEC	C 500(1)
WHP	C 1000(5)
WMPS	B 500(1)
WOKO	CK 500(1)
XERH	... 500

1440 kcs. (208.2 m.)

CKGB	F	1000
KDFN	...	500
KELA	M	1000
KXYZ	BM	1000
WBG	C	1000(5)
WCBA	...	500
WBMD	C	1000(5)
WSAN	aN	500
XEFI	...	1000

1450 kcs. (206.8 m.)

CFCT	...	500
CHGS	F	50
CMHM	...	200
HRN	...	500
KCMO	...	1000(5)
KGCX	...	1000
KIEM	M	500(1)
KTBS	NZ	1000
TGO	...	200
WAGA	B	500(1)
WGAR	C	1000(5)
WHOM	X	250
WSAR	M	1000
XEDJ	...	100
XEF	...	100
XERK	...	100
XEY	...	250

1460 kcs. (205.4 m.)

CMKF	...	250
KSTP	R	50000
WJSV	C	50000

1470 kcs. (204 m.)

CMCX	...	200
HIBQ	1475	100
KGA	BM	5000
WLAC	...	5000

1480 kcs. (202.6 m.)

CMHX	...	200
KOMA	C	5000
WHIP	D	5000
WKBW	CM	5000

1490 kcs. (201.2 m.)

CMKQ	E	1000
KFBK	BE	10000
WCKY	C	50000
XECH	...	250
XEDR	...	100
XEJR	...	100

1500 kcs. (199.9 m.)

CJIC	F	100
KAWM	...	100
KBIX	EM	100
KBKR	...	250
KBST	M	100

a	Juneau, Alaska
a	Des Moines, Iowa
a	Columbus, Ohio
a	Rochester, N. Y.
a	Harrisburg, Pa.
a	Memphis, Tenn.
a	Albany, N. Y.
z	Mexico City, D. F.

a	Timmins, Ont.
a	Casper, Wyo.
a	Centralia, Wash.
a	Houston, Texas
a	Greensboro, N. C.
a	Allentown, Pa.
a	Peoria, Ill.
a	Allentown, Pa.
a	Chihuahua, Chih.

a	Victoria, B. C.
f	Summerside, P. E. I.
z	Cienfuegos, Cuba
b	Tegucigalpa, Hond.
a	Kansas City, Mo.
a	Wolf Point, Mont.
a	Eureka, Calif.
a	Shreveport, La.
a	Quezaltenango, Gust.
a	Atlanta, Ga.
a	Cleveland, Ohio
a	Jersey City, N. J.
f	Fall River, Mass.
z	Magdalena, Son.
a	Juarez, Chih.
z	Tepic, Nay.
z	San Luis Rio Colonia,

z	Holguin, Cuba
z	St. Paul, Minn.
a	Washington, D. C.

z	Havana, Cuba
z	Trujillo, D. R.
a	Spokane, Wash.
a	Nashville, Tenn.

a	Cienfuegos, Cuba
a	Oklahoma City, Okla.
z	Hammond, Ind.
a	Buffalo, N. Y.

z	Santiago de Cuba
a	Sacramento, Calif.
a	Cincinnati, Ohio
z	Toluca, Mex.
z	Guaymas, Son.
z	Parral, Chih.

a	Sault Ste. Marie, Ont.
a	Gallup, N. Mex.
a	Muskogee, Okla.
a	Baker, Ore.
a	Big Spring, Texas

C. B. Arnold, Mgr.
Edmund Linehan, Prog. Dir.
....
R. S. Duncan, Ch. Eng.
H. E. Smith

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

R. T. Holman
Jose R. Feminias
Lee Roberts, Prog. Dir.
Milton J. Severson, Mgr.
Wm. B. Smullen Mgr.
John McCormack, Mgr.
Jess Swicgood
R. M. Pierce, Ch. Eng.
Gilberto Gil
Son.

Manuel J. De Gongora
Stanley Hubbard, Mgr.
Harry R. Crow; Clyde Hunt

L. Sanchez
Julio A. Garcia
A. L. Smith, Mgr.
J. T. Ward

J. Garcia R.
Haymond Ramsey
Elmer Herkner

Mario Abril Dumois
Marjorie Jamison
C. H. Topmiller, Ch. Eng.
Modeste Ortega

J. C. Whitby
A. W. Mills
J. H. Speck, Mgr.
Louis P. Thornton
Mary V. Keneaster, Prog. 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.

KDAL	C	250	a	Duluth, Minn.	Gilbert Fawcett, Prog. Dir.
KDB	EM	250	a	Santa Barbara, Calif.	Earl Pollock, Mgr.
KDRO	...	100(.25)	z	Sedalia, Mo.	....
KFDA	M	100	z	Amarillo, Texas	....
KGKY	...	250	a	Scottsbluff, Nebr.	G. L. Burns
KNEL	D	250	a	Brady, Texas	....
KNOW	M	250	a	Austin, Texas	B. J. Parrish, Mgr.
KOTN	...	250	a	Pine Bluff, Ark.	Mark C. Crandall, Mgr.
KOVV	...	250	a	Valley City, N. Dak.	Mervel M. Valentine
KPAB	...	250	a	Laredo, Texas	C. R. Porter, Mgr.
KPLC	...	250	a	Lake Charles, La.	J. Bert Mitchell, Mgr.
KPLT	...	250	a	Paris, Texas	Cole E. Wylie, Mgr.
KPO	M	250	a	Wenatchee, Wash.	Justin B. Toles, Mgr.
KRNR	M	100(.25)	a	Roseburg, Ore.	Dorrence D. Roderick
KROD	...	250	a	El Paso, Texas	C. J. Fern, Jr.
KTOH	...	250	a	Lihue, Hawaii	Frank C. Carman, Mgr.
KUTA	N	250	a	Salt Lake City, Utah	Ernest L. Spencer, Mgr.
KVOC	MX	100	a	Santa Ana, Calif.	Mrs. C. C. Minyard, Sec'y.
KVWC	...	250	z	Vernon, Texas	W. E. Whitmore
KWEW	...	100	a	Hobbs, N. Mex.	F. M. Bowles, Mgr.
KXO	M	100	a	El Centro, Calif.	H. Kimberly, Ch. Eng.
KYCA	...	250	a	St. Paul, Minn.	....
KYSM	EN	250	a	Mankato, Minn.	Arthur Fiske
WBOC	P	250	z	Salisbury, Md.	Perry W. Esten, Ch. Eng.
WCNW	2	100(.25)	a	Brooklyn, N. Y.	....
WDAN	...	250	a	Durham, N. C.	Ernest Stanbiola
WDNC	C	250	z	Erie, Pa.	Paul Kalbfleisch
WERC	P	100(.25)	a	Camden, Pa.	....
WGAL	MN	250	a	Galesburg, Ill.	....
WGIV	...	250	z	Charleston, W. Va.	Winifred Powers
WGTV	...	250	a	Greenville, N. C.	L. Carlson
WHBB	...	100	a	Selma, Ala.	....
WJBK	...	250	a	Detroit, Mich.	John R. McKenna
WJAT	XZ	250	a	Miami Beach, Fla.	....
WKBB	N	250	a	Dubuque, Iowa	....
WKBY	...	100(.25)	a	Richmond, Ind.	....
WKBZ	...	250	a	Muskegon, Mich.	....
WKEU	D	100	a	Griffin, Ga.	....
WKNY	...	250	a	Kingston, N. Y.	James R. Yost, Ch. Eng.
WMEK	XZ	100(.25)	a	Boston, Mass.	....
WMJM	P	100(.25)	z	Cordele, Ga.	....
WMOG	...	100(.25)	a	Brunswick, Ga.	....
WMRC	...	250	z	Greenville, S. C.	....
WMRN	...	250	z	Marion, Ohio	....
WNB	C	250	a	Binghamton, N. Y.	....
WNLC	MX	100	a	New London, Conn.	....
WOLF	...	100	a	Syracuse, N. Y.	....
WUMI	...	250	a	Owensboro, Ky.	....
WUPI	...	250	a	Bristol, Tenn.	....
WRDW	C	250	a	Augusta, Ga.	....
WRGA	...	250	a	Rome, Ga.	David Bain, Ch. Eng.
WRTD	BXZ	100	a	Richmond, Va.	....
WRLS	P	250	z	Roanoke, Va.	....
WSSJ	P	250	z	San Juan, P. R.	James R. Yost, Ch. Eng.
WSTP	M	250	a	Salisbury, N. C.	....
WSYB	M	250	z	Rutland, Vt.	F. S. Liggett, Ch. Eng.
WTMC	...	100	z	Ocala, Fla.	....
WTMV	...	250	a	E. St. Louis, Ill.	....
WWRL	G2	250	a	Woodside, N. Y.	....
WWSW	...	250	a	Pittsburgh, Pa.	....
XEQK	...	400	z	Mexico City, D. F.	....
....	P	100(.25)	z	Erie, Pa.	....

1510 kcs. (198.6 m.)

CFRC	F	100
CKCR	...	100
CMCW	...	200
CMOX	...	200

1520 kcs. (197.3 m.)

TGW	...	5000
-----	-----	------

a	Kingston, Ont.
a	Waterloo, Ont.
d	Havana, Cuba
a	Havana, Cuba

e Guatemala City, Guat.

Please turn to page 88

H. H. Stewart, Ch. Eng
G. Liddle
A. Puente, Dir.

L. Schlesinger Carrera, Dir.

ALABAMA

Anniston	1420
Birmingham	...
WAPI	1140
WBRC	930
WSON	1810
Decatur	...
WMSL	1370
Dothan	...
WAGF	1370
Gadsden	...
WJBY	1210
Huntsville	...
WBHP	1200
Mobile	...
WALA	1380
WMOB	1200
Montgomery	...
WCOW	1210
WSFA	1410
Opelika	...
WJHO	1370
Selma	...
WHBB	1500
Muscle Shoals	...
City	...
WMSD	1420
Tuscaloosa	...
WJRD	1200

ALASKA

Anchorage	...
KFQD	780
Fairbanks	...
KFAF	610
Juneau	...
KINY	1430
Ketchikan	...
KGBU	900

ARIZONA

Globe	...
KWJB	1210
Jerome	...
KCRJ	1310
Lowell	...
KSUN	1200
Phoenix	...
KOY	550
KPHO	1200
KTAR	620
Prescott	...
KYCA	1500
Stafford	...
KGLU	1420
Tucson	...
KTUC	1370
KVOA	1260
Yuma	...
KYUM	1210

ARKANSAS

Blytheville	...
KLCN	1200

El Dorado

KELD	1370
Fort Smith	...
KFPW	1370
Hot Springs	...
KTHS	1060
KWPC	1310
Jonesboro	...
KBTM	1200
Little Rock	...
KARK	890
KGHI	1200
KLRA	1390
Pine Bluff	...
KOTN	1500
Siloam Springs	...
KUOA	1300

CALIFORNIA

Bakersfield	...
KEEN	1370
KPMC	1550
Berkeley	...
KRE	1370
Beverly Hills	...
KMPC	710
Chico	...
KHSL	1280
El Centro	...
KKO	1500
Eureka	...
KIEM	1450
Fresno	...
KARM	1310
KMJ	580
Glendale	...
KLEV	850
Long Beach	...
KFOX	1250
KGER	1360
Los Angeles	...
KECA	780
KFAC	1300
KFI	840
KFSG	1120
KFVD	1000
KFWB	950
KGFJ	1200
KHJ	900
KMTB	570
KNX	1050
KRKD	1120
Marysville	...
KMYC	1420
Merced	...
KYOS	1040
Modesto	...
KTRB	740
Montrey	...
KDON	1210
Oakland	...
KLS	1280
KLK	880
KROW	930
Pasadena	...
KPPC	1210
Reding	...
KVCV	1200
Sacramento	...
KFBK	1490
KROY	1210

San Bernardino

KFXM	1210
San Diego	...
KFSD	600
KGB	1330
San Francisco	...
KFRC	610
KGO	790
KJBS	1070
KPO	680
KSAN	1420
KSFQ	600
KYA	1280

San Jose

KQW	1010
San Luis Obispo	...
KVEC	1200
Santa Ana	...
KVOE	1500
Santa Barbara	...
KBD	1500
KTMS	1320
Santa Rosa	...
KSRO	1310

Stockton

KGDM	1100
KWG	1200
Visalia	...
KTKC	890
Watsonville	...
KHUB	1310

COLORADO

Alamosa	...
KGIW	1420
Colorado Springs	...
KVOR	1270
Denver	...
KFEL	920
KLJ	560
KMYB	1310
KOA	820
KPOF	880
KVOD	630
Durango	...
KIUP	1370
Grand Junction	...
KXJF	1200
Greeley	...
KFKA	880
La Junta	...
KOKO	1370
Lamar	...
KIDW	1420
Pueblo	...
KGHF	1320
Sterling	...
KGEK	1200

Durango

KIUP	1370
Grand Junction	...
KXJF	1200
Greeley	...
KFKA	880
La Junta	...
KOKO	1370
Lamar	...
KIDW	1420
Pueblo	...
KGHF	1320
Sterling	...
KGEK	1200

CONNECTICUT

Bridgeport	...
WICC	600
WYAB	1420
Hartford	...
WDRB	1330
WTIC	1040
WTHH	1200
New Britain	...
WNBC	1380

New Haven

WGLI	930
New London	...
WNLC	1500
Waterbury	...
WATR	1290
WBBY	1530

DELAWARE

Wilmington	...
WDEL	1120
WILM	1420

DISTRICT OF COLUMBIA

Washington	...
WINX	1310
WJSV	1460
WMLA	630
WOL	1230
WBC	950

FLORIDA

Daytona Beach	...
WMFJ	1420
Fl. Lauderdale	...
WFTL	1370
Fl. Myers	...
WFTM	1210
Gainesville	...
WBUF	830
Jacksonville	...
WJAX	900
WHP	1290
WMBR	1870
Lakeland	...
WIAK	1310
Miami	...
WIOD	610
WQAM	560
Miami Beach	...
WKAT	1500
Ocala	...
WTMC	1500
Orlando	...
WDBO	580
WLOF	1200
Panama City	...
WDLF	1200
Pensacola	...
WCOA	1340
St. Augustine	...
WFOY	1210
St. Petersburg	...
WSUN	620
WTSP	1370
Sarasota	...
WSPB	1420
Tallahassee	...
WTAL	1310
Tampa	...
WDAE	1220
WFLA	620
West Palm Beach	...
WJNO	1200

HAWAII

Hilo	...
KHBC	1200
Honolulu	...
KGMB	1320
KGU	750
Lihue	...
KTOH	1508

IDAHO

Boise	...
KIDO	1350
Idaho Falls	...
KID	1320
Lewiston	...
KRLC	1390
Nampa	...
KFXD	1200
Pocatello	...
KSEI	900
Twin Falls	...
KTFI	1240
Wallace	...
KWAL	1420

ILLINOIS

Aurora	...
WMRO	1250
Bloomington	...
WIBC	1200
Carthage	...
WCAZ	1070
Champaign	...
WDWS	1370

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

DOMINICAN REPUBLIC	CAMPECHE	XEW 990	OAXACA	Tampico
Cludad Trujillo	Campeche 1400	XEXX 1170	Oaxaca	XECA 1230
HUG 900		DURANGO	XEOA 1240	XEFW 1310
HIN 1090	CHIHUAHUA	Durango	XEXH 1150	XES 990
HIX 900	Chihuahua	XEBP 1150	PUEBLA	Victoria
HIT 1080		XEE 1210	Puebla	XEBJ 1340
HIZ 1370	GUANAJUATO		XEHR 1230	
HISQ 1470	Irapuato	SAN LUIS POTOSI		VERA CRUZ
EL SALVADOR	Juarez	San Luis Potosi		Cordoba
San Salvador	XEF 1450	XEFO 1330	SINALOA	XEAG 1310
YSS 840	XEFV 1210	XEFM 1180	Los Mochis	XECW 1240
	XBJ 1020	Leon	Mazatlan	Jalapa
	XEP 1160	XEFL 1160	XEBL 1220	XEXB 1370
GUATEMALA	Parral	XEKL 1240	XEDS 1400	Minatitlan
Guatemala City	XEAT 1210	Silao	SONORA	XEDW 1150
TKW 1520	XEJT 1490	JALISCO	Caranea	Orizaba
TGX 1400	Sabinas	Guadalajara	XEFQ 1010	XEPZ 1400
TGI 1310	XEBX 640	XED 1100	Quaymas	Vera Cruz
Quetzaltenango	Saltito	XEHK 1130	XEDR 1490	XETP 1220
TGQ 1450	XEAS 1160	XELW 1340	Hermosillo	XEU 1010
	XEKS 1240	MEXICO	XEBH 930	
	Torreón	Texcoco	XEDJ 1450	YUCATAN
HONDURAS	XEDE 1400	XEXE 1270	XEAL 1400	Merida
Tegucigalpa	XETB 1310	Toluca	XEDL 1240	XEFC 1340
HRN 1445	Villa Acuna	MICHOACAN	Negales	XEME 1240
	XEDH 1340	Morelia	XEAF 1000	XEZ 630
	XERA 840	XEI 1370	Obregon	ZACATECAS
MEXICO	DISTRITO FEDERAL	NAYARIT	San Luis	Zacatecas
Agua Calientes	Mexico City	Tepe	XEY 1450	XELK 1230
XEAD 1240	BAJA CALIFORNIA	NUEVO LEON	TAMAULIPAS	MIQUELON
XEBI 1000	Mexicali	Monterrey	Matamoros	St. Pierre
	XEAA 750	XEFB 870	Nuevo Laredo	FQN 609
	XEAO 660	XEG 1230	XEBK 1080	NEWFOUNDLAND
	XECL 1110	XEH 740	XEDF 810	St. John's
TIJUANA	XEAL 1400	XET 690	XEFE 980	VOAC 1065
XEAC 980	XEBG 820	XEX 1310	XENT 910	VOAR 950
XEAO 1400	XEL 1150		XEAW 980	VOCM 1040
XEBG 820	XELZ 1370			VOY 840
XEC 1150	XEN 780			VONP 640
XELO 870	XEQ 780			VOWB 709
XEMO 880	XEQK 1500			PANAMA
XEON 750	XERC 830			Colon
XERB 1090	XERH 1430			HOK 640
	XESM 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 Parda

1600 kcs. (187.4 m.)

CMBH ... 5000

e Havana, Cuba

Alberto Alvarez Ferrera

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	CMBR 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
CFCH 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	CJCJ 690	CKPC 930	CMCJ 1550	CMJC 1390	CMKW 1050
CFCY 630	CJCS 1210	CKPR 580	CMCH 1050	CMJE 1230	CMKX 1190
CFGF 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	HIN 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	KGFI	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	KFYD	1000	KGKY	1500	KLAA	1210	KOIL	1260
KBKR	1500	KFBC	1420	KFVS	1370	KGLO	1210	KLBH	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	VAIR	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	TI4NRH	725	WATN	1210
KRBM	1420	KSUB	1310	KVOA	1260	KXO	1500	TISCV	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	WBBM	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	WFBM	1360	WGKV	1500	WHDH	830
WBOW	1200	WCKY	1490	WDOD	1280	WFBM	1230	WGL	1370	WHDL	1420
WBRB	1210	WCLE	610	WDRC	1330	WFBM	1270	WGMA	1210	WHEB	740
WBRC	930	WCLO	1200	WDSM	1200	WFCI	1390	WGN	720	WHEC	1430
WBRE	1310	WCLS	1310	WDSU	1250	WFDF	1310	WGNC	1420	WHFC	1420
WBRK	1310	WCMJ	1310	WDWS	1370	WFEA	1340	WGNV	1220	WHIO	1260
WBRW	1310	WCNC	1370	WDZ	1020	WFAR	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	WMBS	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	WOPI	1500	WRDW	1500
WJAG	1060	WKBK	570	WLPM	1420	WMPS	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	WOW	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
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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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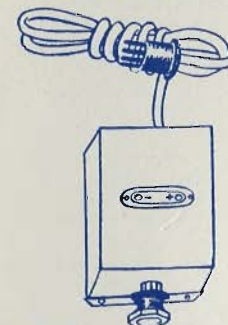
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