

RADIO IN DEX

The All-Wave Radio Log Authority

NSE

No. 144

JULY - AUGUST, 1911

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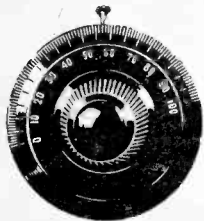
\$5.00

RADEX
Emerson, New Jersey



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RADIO INDEX

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SEVENTEENTH YEAR

JULY 1, 1941

NO. 144

Page Taylor, *Editor*

B. Francis Dashiell, *Technical Editor*

Ray LaRocque, *Eastern Editor*

Melvin Fisher, *Western Editor*

Owen P. Callin, *Amateur Editor*

FM News and Notes

W47NV in Nashville was the first commercial FM station to start regular operation... W71NY is preparing an extensive "FM" program schedule and special studios are being used exclusively for "FM" programs... CBS has applied for a transmitter to serve Boston, atop Mt. Asnebunskit. If granted it will be the second transmitter atop this hill as W43E of the Yankee Network (formerly W1XOJ) is now using this site.

There have been 19 applications for FM stations to serve the New York area. Eight stations have been granted construction permits by the FCC, and 11 is the quota assigned for N. Y. C. by the FCC, so it looks as if the situation is getting a bit complex and some applicants will be out of luck. The FCC has yet to refuse a CP for an FM station.

A local merchant has signed to sponsor a quarter hour program for 52 weeks over W55M, the Milwaukee Journal station which will soon be using 50 kw. and will be the highest powered station—AM or FM, in the state.

Listeners interested in the low down

on FM may write to FMBI, 52 Vanderbilt Ave., New York, N. Y., for a copy of "A Profile of Frequency Modulation". Its yours for the asking.

The American Network is an association of FM stations formed to eventually put FM on a Nation-wide network basis.

"FM" Broadcast Stations

Rapidly the FM channels are being cleared of experimental calls as new regular commercial stations begin to take their place on the air lanes. As far as we can determine RADEX presents the only complete list of "FM" stations in print. Both commercial and experimental stations are shown in our list. Commercial Stations already in operation are designated by an asterisk (*), and experimental stations are, of course, all in operation; some of them are used very irregularly however. As the stations begin to assume more regular schedules we will attempt to list them for the benefit of "FM" enthusiasts. What we are anxious to receive at present are reports from Radexers concerning reception of FM signals on Frequency Modulation receivers.

Page one

- 42600 kcs.**
W1XK, Hull, Mass. 1000 watts, Westinghouse Electric.
- W1XSN, E. Springfield, Mass. 1000 watts, Westinghouse Electric.
- W3XMC, Washington, D. C. 1000 watts, McNary & Chambers.
- W8XAD, Rochester, N. Y. 250 watts., WHEC, Inc.
- 42800 kcs.**
W2XMN, Alpine, N. J. 1000 watts, Maj. Armstrong.
- 43100 kcs.**
W31NY, New York, N. Y. 15610 sq. mi. Maj. Armstrong.
- 43200 kccs.**
W2XQR, Long Island City, N. Y. 1000 watts, J. V. L. Hogan.
- W3XO, Washington, D. C. 1000 watts, Jansky & Bailey.
- W8XFM, Cincinnati, Ohio. 1000 watts. Crosley Radio.
- 43400 kcs.**
W1XTG, Worcester, Mass. 1000 watts, Worcester Telegram.
- 43500 kcs.**
W3XPY, Whippany, N. J. . . . Bell Telephone Labs.
- 43900 kcs.**
W2XWG, New York, N. Y. 1000 watts, N. B. C., Inc.
- W39B*, Boston, Mass. 31000 sq. mi., Yankee Network.
- 44100 kcs.**
W41MM, Winston-Salem, N. C. 69400 sq. mi., Gordon Gray.
- 44300 kcs.**
W43B*, Boston, Mass. 19230 sq. mi., Yankee Network.
- 44500 kcs.**
K45LA*, Los Angeles, Calif. 6944 sq. mi., Don Lee System.
- W45CM*, Columbus, Ohio. 12400 sq. mi., WBNS, Inc.
- W45D*, Detroit, Mich. 6820 sq. mi., Eve. News Ass'n.
- W45RG*, Baton Rouge, La. 8100 sq. mi., Baton R. Brdcast. Corp.
- W45V*, Evansville, Ind. 8397 sq. mi., Evansville On The Aair.
- 44700 kcs**
K47SL, Salt Lake City, Utah. 623 sq. mi., Radio Service C6rp.
- W47C, Chicago, Ill. 10800 sq. mi., WJJD, Inc.
- W47NV*, Nashville, Tenn. 16000 sq. mi., Nat. Life & Accident Ins. Co.
- W47P, Pittsburgh, Pa. 8400 sq. mi., Walker Downing Radio.
- W47PH, Philadelphia, Pa. 9300 sq. mi., Penn. Brdcast. Corp.
- 44900 kcs.**
W3XEZ, Camden, N. J. 1000 watts, RCA Mfg. Co., Inc.
- W49D*, Detroit, Mich. 6800 sq. mi., John Lord Booth.
- W49FW, Fort Wayne, Ind. 6700 sq. mi. Westinghouse Electric.
- W49BN, Binghampton, N. Y. 6500 sq. mi., Wylie B. Jones.
- W49, Kansas City, Mo. 2999 sq. mi., Comm. Radio Equip. Co.
- 45100 kcs.**
W2XWG, New York, N. Y. 1000 watts, N. B. C., Inc.
- W51C*, Chicago, Ill. 10800 sq. mi., Zenith Radio Co.
- W51NY, New York, N. Y. 8500 sq. mi., N. B. C., Inc.
- W51R*, Rochester, N. Y. 3200 sq. mi., Stromberg Carlson.
- W51, Saint Louis, Mo. 13000 sq. mi., St. Louis Univ.
- 45300 kcs.**
W53H*, Hartford, Conn. 6100 sq. mi., Travelers Brdcast. Service.
- W53PH, Philadelphia, Pa. 9300 sq. mi., WFIL, Inc.
- W53, Indianapolis, Ind. 13640 sq. mi., Ind. Brdcast. Corp.
- 45500 kcs.**
W55M*, Milwaukee, Wisc. 8540 sq. mi., The Journal Co.
- W55NY, New York, N. Y. 8500 sq. mi., Wm. G. N. Finch.
- 45700 kcs.**
W57A, Albany, Ky. 6589 sq., mi. General Elec. Co.
- W57PH, Philadelphia, Pa. 9300 sq. mi., Westinghouse Electric.
- 45900 kcs.**
W59C, Chicago, Inn. 10800 sq. mi., WGN, Inc.
- W59NY, New York, N. Y. 8500 sq. mi., Frequency Brdcast. Corp.

46300 kcs.

W63C, Chicago, Ill. 10800 sq. mi., N. B. C., Inc.

W63NY, New York, N. Y. 8500 sq. mi., Marcus Lowe Agency.

W63SY, Syracuse, N. Y. 6800 sq. mi., Central N. Y. Brdcast. Co.

46500 kcs.

W65H*, Hartford, Conn. 6100 sq. mi., WDRC, Inc.

....., Kansas City, Mo. 1500 watts, Experimental.

46700 kcs.

W67B, Boston, Mass. 6700 sq. mi., Westinghouse Elec.

W67C, Chicago, Ill. 10800 sq. mi., C. B. S., Inc.

W67NY, New York, N. Y. 8500 sq. mi., C. B. S., Inc.

46900 kcs.

W69PH, Philadelphia, Pa. 9300 sq. mi., WCAU Brdcast. Co.

47100 kcs.

W71NY*, New York, N. Y. 8500 sq. mi., Bamberger Brdcast. Co.

W71RF, Rockford, Ill. 3900 sq. mi., Rockford Broadcasters.

W71XB, South Bend, Ind. 4300 sq. mi., So. Bend Tribune.

47500 kcs.

W75C, Chicago, Ill. 10800 sq. mi., Moody Bible Institute.

W75NY, New York, N. Y. 8500 sq. mi., Metropolitan Telev. Co.

W75P, Pittsburgh, Pa. 8400 sq. mi., Westinghouse Elec.

48100 kcs.

W81SP, Springfield, Mass. 2500 sq. mi., Westinghouse Elec.

49100 kcs.

W7XPY, Whippany, N. J. Bell Telephone Labs.

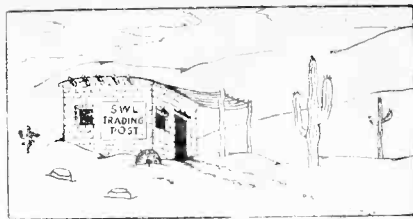
NOTE: FM stations are rated according to coverage in sq. mi. rather than by actual power output.

Newfoundland Standard Broadcast Stations

(Official list of the Department of Posts and Telegraphs.)

640 kcs.	VONF St. Johns	10000 watts
700 kcs.	VOWR St. Johns	500 watts
950 kcs.	VOAR St. Johns	25 watts
1005 kcs.	VOCM St. Johns	250 watts

(List furnished through the courtesy of L. A. Mayo.)



Notices for the exchange of SWL cards will not be printed in this column unless the request is accompanied by the senders' own card. No fee is charged for these notices, and RADEX assumes no responsibility.

R. G. Earle, 1416 University, Des Moines, Iowa. (SWL cards; also wishes reports of reception of Des Moines amateur station, and wishes local DXers to call on him).

Walt Britton, Box 28, Houlton, Ore. (Correspond with listeners who are also interested in studying flying).

George Hill, Jr., 575 W. 155th St., New York, N. Y., (SWL cards).

Roy Woollacott, 1809 Culver Road, Rochester, N. Y. (Roy does not collect SWL cards, but will send his to anyone wanting it, for 3c postage).

Amos Gott, Bristow, Ky. (SWL cards).

Chet Naron, 3708 "K" St., Bakersfield, Calif. (SWL cards).

Willis Richardson, 80 W. South St., Painesville, Ohio. (SWL cards).

Donald Dock, 119 Brite Ave., Scarsdale, N. Y. (SWL cards).

Joseph J. Becker, Sr., 415 S. Eleventh St., Hamilton, Ohio. (SWL cards).

Private Joe Becker, Co. C., 147th Infantry, 37th Division, Camp Shelby, Miss. (Will exchange post office view cards).

Lionel Jacobs, 524 Atchison St., Pasadena, Calif. (SWL cards, post cards, pen pals).

H. B. Day, Gordon, Wis. (Correspond with users of Sky Champion with storage battery and vibrapack).

Grace F. Hadley, 12 Pine St., Peterborough, N. H. (Exchange block letter view cards).

Harold E. Burstrom, 13814 Mayfair Ave., E. Cleveland, Ohio. (SWL cards; block letter post cards).

Stephen Hoffman, Jr., 178 Hickory St., Norwich, Conn. (SWL cards).

Willie Joe Saunders, Jr., 145 "U" St., N. W., Washington, D. C. (Correspondence).

Eugene D. Upton, Tilden, Nebr., (SWL cards).

Allen G. Hooker, Liberty, Sask., Canada. (SWL cards).

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

Edward Geasa, 952 Trinity Ave., Bronx, New York, N. Y. (SWL cards).

Elwin L. Gleason, 1126 Water St., Moosic, Pa. (SWL cards).

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

Edward Lenzioszek, 40 Emerald Place, Easthampton, Mass. (Exchange shack photos).

Floyd C. Fleter, 316 Campbell Ave., White Bear Lake, Minn. (SWL cards).

W. H. Herman, 868 Eddy Road, Cleveland, Ohio. (Correspond).

Nicky N. Harris, 1524 Amsterdam Ave., New York City. (SWL cards).

Mike Collins, 1330 Valley Place, S. E., Anacostia, Washington, D. C. (SWL cards).

Charles Rogers, Box 76, Delevan, N. Y. (SWL cards and correspondence).

June Carol Gregor, 1525 Mehrtens Ave., Sheboygan, Wis. (Correspond and exchange view cards).

Wm. Anderman, Jr., 5913 N. Camac St., Philadelphia, Pa. (SWL cards).

Fred Rosencrans, 66 Grand St., Newburgh, N. Y. (Correspond; Fred is a new DXer who would appreciate information and help).

Edward Laudansky, 1 Mather St., Dorchester, Mass. (SWL cards).

(Please turn to page 74)

QUESTIONS

A. M. Hankins, 1006 Ligonier St., Latrobe, Pa.: "Station on 11900 kcs. playing the "Star Spangled Banner" at 2 p.m.... Another on 11760 kcs. at 2:18 p. m. with American dance tunes. Announcements were in English.

Bill Scott, 313 W. Holston Ave., Johnson City, Tenn.: Would like to know the location of station WAAU on 4500 kcs.

Jack Stephenson, 2721 N.W. 21st St., Oklahoma City, Okla., wants the call and address of the Chile station on approximately 12000 kcs.

Francis Fellers, 52 Fearing St., Amherst, Mass., wants to know the Spanish speaking station on 9380 kcs. on Saturday evenings with very strong signals. Also what station is broadcasting in French from 8:30-9:30 a.m. on 11780 kcs. and then in an oriental language until sign off at 10 a.m.

Ralph Kastner, P. O. Box 134, New Braunfels, Tex., wants the call and location of the Argentine station on 9645 kcs. It was not LRX!

Eugene Gross, 676 W. Lockwood Ave., Webster Groves, Mo., wants information on a station giving British news bulletins on 7140 kcs. There is much cw interference on it.

Norman Kane, 315 Rolling Rd., Springfield, Pa., wants data on a pro-Vichy station on 13040 kcs. signing off at 4:30 p.m. It is either a French Colonial or XGRS, and it is likely to be the former!

Steve Mann, Lakewood, Ohio, desires information on a French-African station on 9950 kcs. heard from 4:10-4:20 p.m. with news in French. No identification signal is used.

Gordon E. Walberg, Winnipeg, Manitoba, wants to know if CBFW ever does any English announcing, and if so, when?

S. R. Morss, R.F.D. No. 3, Bradford, Mass., wants information on a CMV-11 in Cuba heard testing at 6:15 p.m. on 11500 kcs.

Howard G. Bardin, 29 Tredeau St., Hartford, Conn., wants a solution to his mystery station on a little higher

than 12000 kcs. heard from 1:15-3 p.m. with a program of chanting sounding like a Jewish cantor, followed at 2 p.m. with classical music and at 2:48 with a gong and what was evidently news in a foreign language. At 2:53 the gong sounded again and once more at 2:55 and 2:58. Announcements were all in a foreign language.

H. G. Day, Gordon, Wisconsin, says that VAS can be picked up at 5 a.m. but fade out in half an hour. He wants to know why he can't hear this station long enough to get identification. (VAS is used only to broadcast weather reports and news to fishermen and never transmits for more than 15-30 minutes at a time.—Ed.)

Hal Robie, 30 Merritt St., Springfield, Mass., wants to know if the Colombian on 1190 kcs. is HJAN and what the station's address is. Also, Hal desires identification of the Colombian on 1130 kcs. or thereabouts!

Robert Koppelon, 92 Vassar St., Newark, N. J., wants the names of the British Home Service stations on 1050 and 1150 kcs.

Len Kruse, 1318 Grafield Ave., Dubuque, Iowa, wants to know what station he heard on 650 kcs. on April 23rd at 4:25 a.m. An English-speaking male voice was heard.

Lloyd E. Staples, wants to know if XERA has been taken off the air or if it has changed frequency. It has definitely been silenced!

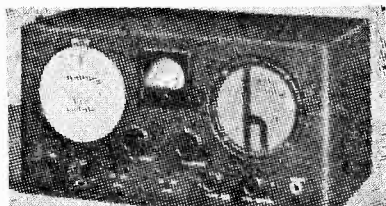
Carroll H. Clark, 806 Second St., Snohomish, Wash., wishes information on "Radio Marticano", using Spanish or a similar language, and bells similar to Big Ben.

ANSWERS

The station heard by Allen Hooker, according to Norman H. Kane of Springfield, Pa., is undoubtedly DJA on 9560 kcs. which is received quite well here on the programs to England and on those to Central and South America.

For H. H. Crow, Jr., H. B. Day of Gordon, Wisc., states that WEBC comes on the air at 7:28 a.m.

The Latest SKY BUDDY



Now With Electrical Bandsread! Tunes the Ten Meter Band

For the shortwave DX fan, or the boy in search of new thrills by way of shortwave or BCB radio, the Sky Buddy is the outstanding low-cost choice. This latest improved model offers even greater value than ever before. Tunes with full electrical bandsread from 545 kcs. to 44,000 kcs. in four bands and covers standard broadcast and shortwave broadcast bands as well as the amateur 10, 20, 40, 80 and 160 meter bands. Features separate bandsread dial, beat frequency oscillator, send-receive switch, AVC switch, pitch control, AF gain control, phone jack, etc. Has built-in speaker offering excellent tone quality. The Sky Buddy uses only 6 tubes but its performance is marvelous. Antenna input for either double or Marconi type antenna system. Headphone jack cuts out speaker when 'phones are plugged in. Although supplied for AC operation, the Sky Buddy is also equipped with a simple plug and socket arrangement at the rear which permits the use of a 6 volt storage battery and "B" batteries or vibrator power pack for portable use or in remote areas where AC lines are not available. The Sky Buddy is supplied with a complete set of matched tubes.

A GREAT VALUE FOR YOUR MONEY

More real features and better performance than you have ever known for a set so reasonably priced.

For 110 V., 50-60 cycles AC. Shipping weight 21 lbs.

MODEL S19-R "Sky Buddy,"

CASH PRICE \$29.50

Order from
Radex

12 Locust Ave. Emerson, N. J.

From Coast To Coast

Our editors analyze the reports received from their readers, and readers meet to exchange notes on DXing and kindred subjects.

In the West With Melvin Fisher

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

Melvin Fisher
1642 Harmon St.,
Berkeley, Calif.

(Please use PST in reports).

In the East With Ray Ra Rocque

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

Ray LaRocque
105 Highand St.,
Worcester, Mass.

(Please use EST in reports)

With the twenty-five meter band "hot as a fire cracker," and the 31 and 19 meter bands not far behind, reception on the shortwaves takes the spotlight this issue. The invasion of warmer weather has again curbed broadcast band reception, but has considerably bettered reception on the higher frequencies. We are very pleased with the number of reports received from our west coast readers. With reports and information on stations in 60 countries, a new high was reached.

This goes to prove that the co-operation of a large group of good reporters can really give a column the life that it needs to keep it interesting and up to date.

With new stations cropping up here and there, and London and Berlin adding new transmitters to their lists, the shortwave field promises new thrills and loggings to each and every Radexer. We have omitted listing some of the commonly heard stations, and have attempted to bring you the most exclusive information obtainable on west coast reception.

We have also figured out a definite system of awarding points in the "Big Three" and have added a "Consolation Division" in place of the honorable

(Please turn to page 11)

Report-O-Meter

Norman H. Kane, Jr.	100%
Edward Laudansky	87%
Arthur M. Hankins	75%
Francis Fellers	69%
M. Whiton	38%
Roger Legge	38%
Steven Mann	38%

This month, there occurred a three-way tie for fifth position in our meter, necessitating a much longer list than the usual five names. Besides the above, Norman Maguire, Jack Stephenson, S. R. Morse, Bill Scott, and Ralph Kastener deserve honorable mention for being right behind the leaders.

Briefly, here's how the meter works. From the many reader reports received monthly, we obtain much of the information that goes to make our "Shortwave News Of The World" so complete. For each item that our eastern readers contribute, we allow certain credits, and the total of these as we go to press, makes up the final form of the Report-O-Meter.

Supremacy Ratings

Supremacy for Reporting: For eastern readers submitting the most useful information to our standard broadcast news department during the past two months.

- 1.—Len Kruse
- 2.—Norman Maguire
- 3.—Richard Coatsworth.
- 4.—L. A. Mayo
- 5.—Steve Mann

Honorable mention to: Bob Gilchrist, Chet Stedman, and Carl Silvester.

Supreme Supremacy: For the total number of stations verified:

Thomas, Ohio	2393
Becker, Ohio	1392
Botzum, Penna.	1260
Siringer, Ohio	1078
Koppelon, N. J.	1063

Countries Verified Supremacy: For the highest total of countries verified:

Thomas, Ohio	45
Botzum, Penna.	40
Siringer, Ohio	36
Jordan, Penna.	32
Becker, Ohio	27

South American Supremacy: For the most South American stations verified:

Siringer, Ohio	52
Botzum, Penna.	35
Forestieri, N. Y.	19
Mann, Ohio	13
Barnes, Ill.	9

T. A. Supremacy: For the most trans-Atlantic stations verified:

Botzum, Penna.	33
Forestieri, N. Y.	23
Siringer, Ohio	16
Burnham, Mass.	14
Daneke, Penna.	5

T. P. Supremacy: For the most trans-Pacific stations verified:

Siringer, Ohio	34
Botzum, Penna.	27
Mann, Ohio	11
Forestieri, N. Y.	7
Barnes, Ill.	7

- 21.—Bob Gilchrist, New York, N. Y.
- 22.—Israel Feuer, Vista, Calif.
- 23.—William Waldman, Asheville, N. C.
- 24.—Otto Renninger, Seattle, Wash.
- 25.—Allen G. Hooker, Liberty, Sask.
- 26.—R. A. Hayre, Salem, Oregon
- 27.—L. A. Mayo, Montreal, P. Q.
- 28.—Willie J. Saunders, Washington, D. C.
- 29.—Matthew E. Leslner, Lawrence, Mass.
- 30.—George Holland, Toronto, Ont.
- 31.—Joe Comyton, Toronto, Ont.
- 32.—Richard Livingstone, Lansdowne, Penna.
- 33.—Ralph Kastner, New Braunfels, Texas
- 34.—Roy Lee Clark, St. Joseph, Mo.
- 35.—Nickey N. Harris, New York, N. Y.
- 36.—Chet Stedman, Westerly, R. I.
- 37.—Eldred P. Johnson, Snokomish, Wash.
- 38.—Bob Falkenstein, Snokomish, Wash.
- 39.—Carroll H. Clark, Snokomish, Wash.
- 40.—Leon Chacona, Ithaca, N. Y.
- 41.—A. E. Koppe, Des Moines, Iowa

Supremacy ratings are based on verifications from stations operating on the standard broadcast band from 540-1600 kcs.



This photographic SWL card picturing Cleveland's Public Square is used by Harold E. Burstrom of East Cleveland.

Not-so-short Waves

WANA, according to Ralph Kastner, stated that they operate as a special emergency station on 2726 kcs. with 100 watts power. They can be addressed as Consolidated Timber Protective Organization, Homerville, Ga.

KYZF on 5912 kcs. is a border patrol station in Alpine, Texas. They were heard testing on 5912 kcs. by Edgar W. Keller, Chicago.

Radex Club Stationery

The number of readers in favor of stationery, seals, buttons, and report forms is swelling and the uncounted reports this month look big enough to make the goal of 100 seem within easy reach.

Suggestions

Chet Stedman thinks that when buttons and stationery are approved, we should run a contest to select a design for them... R. A. Hayre wants us to include with the above a membership card, small enough to be carried in a wallet... Allen G. Hooker is in favor of including crests to be worn on a sweater!

Personal Notes

Allan B. Cadorath, Radexer up in Brandon, Manitoba, has just joined the

Royal Canadian Air Force. Allan still has some SWL cards he wants to use up, so if you need Manitoba, write him at 1825 Princess Ave., Brandon... Vernon Lee Gibbs gives up broadcast DXing as he is expecting his ham license very soon.

Edgar W. Keller and Joseph E. Gannon are street car men who spend their leisure nights at the controls of their radio receivers, Joe apparently getting the better of his fellow-worker—at least in respect to dialing the Hawaiians.

We got our signals crossed last month. Roger Leggs says that he has yet to see a new Hallicrafters which we credited him with adding to his listening post. He wants to remind that he still does well with his trusty RME-70-DB20!... Ed Laudansky is another of our Radexer friends who will soon forsake DXing for Army life. Ed enlisted in the regular army and expects to be stationed either in Hawaii or the Philippines!

Thomas E. Townsend knows enough Spanish to be able to understand stations and their announcements, and fellow DXers are invited to send their identification problems (concerning Spanish-speaking stations, of course) to him at 1524 W. 28th St., Little Rock, Arkansas, where the dial has nothing but locals and Latin Americans, according to Tom.

Roger Leggs didn't, but Ralph Kastner does have a new HALLE-CRAFTERS S20R receiver.

Shortwave Quotes and Notes

Art Hankins believes that YSD's card is one of the best because of the particular attention that is paid to details... Eugene Gross of Webster Groves, Mo., does his shortwaving on a Midwest and has two antennas, one about 50 ft. long, and the other 80 ft.

Ralph Edwards has already heard all continents on his new HALLE-CRAFTERS 8-20-R. Ralph does most of his DXing on the shortwave broadcast bands, but occasionally takes a job at the 20 meter ham band... Chet Stedman, 19 Summer St., Westerly, R. I., wants Jim Davis of Toronto to

send him his address.

H. G. Bardin, down Hartford way, relates this one: "While listening to a BBC station on the 19 meter band, at the conclusion of a news-cast, I heard what was supposed to be the beginning of a talk on war. After speaking about five minutes, the speaker stated they were receiving Lockheed-Hudson and Boeing planes; of the Boeings they expected five types, and that they were now receiving type "C". Immediately, the station went off the air, and returned after two minutes with a statement that the speech would not be continued because of technical difficulties, but that a musical program would be presented! It is to be assumed that the speaker was being a little too liberal in handing out details which the British would rather have kept a secret!"

Ed Laudansky (R2063), complies with the request of those who have asked that all Radexers who make the Report-O-Meter forward information on the type of receiving equipment used. Ed uses a S-19R Hallicrafters, and has as available a 6-tube Zenith and an RCA 45X-1. Ed claims he never uses an aerial over six months—always changing and experimenting! "Right now I'm having amazing success on the ultra high bands with a top fed steel verticle 4 ft. long," he says.

Chet Roman (R451), now at Ford Ord, relays the information that the following members of the CRRT are on the air or expect their tickets soon! Hawk Bennett will be on 1955 and 7230 kcs. as well as ten meters. Don Wheately of Vt. expects his license soon. Jim Robbins of Maine expects a ticket soon. Tom Moss of Georgia (founder of the movement for RA-DEX Club supplies) has an operator's license, but is waiting for his ticket to go on class "B" phone. H. Apple of North Carolina is WHHER on 1830 and 14350 kcs., phone. W4HER will QSL immediately.

Broadcast Band Quotes and Notes

A nomination for the verification

card to end all verification cards: The six by thirteen inch WFBL card, which is the biggest card in the collection of S. Tellis of Philadelphia. Radexers who reported KEFU's April 25 - DX program received a worthwhile souvenir crucifix engraved with the station's call letters in black and gold!

KFRO's construction permit for 5 kw. is being held up because the FCC first wants to determine the effect such a grant would have on the three Mexican stations now using 1370 kcs! It is to be hoped that every Mexican station grant receives such careful consideration of the interference problem before being made effective.

We want to say thanks to Mr. Jose Acevedo and XEMA for their courteous dedication of programs to RADEX. It is hoped, however, that no RADEX readers will solicit DX programs in behalf of RADEX. We would rather handle these programs in another manner, which we intend to reveal next season!

So amazed at Dave Thomas' 2393 in the Supremacy listing, Roger Causse (RI117) solved it by assuming that Dave counted his ham verifications. Increditable as it may sound to Roger, and others perhaps, the Ohio DX Ace does not even verify ham stations! The whole 2393 are assorted standard broadcast stations (500-1600 kcs.) counted only once each!

Bob Brown's (RI151) opinion is that really good reception was very near all season, but didn't quite materialize! Chet Stedman of Westerly, R. I., is discouraged about hearing from TGW. Can anyone let him in on how to go about verifying this station?

Add suggestions: Carl Silvester's (R36-Mich.-1) hint about including in the indices information concerning the maximum and minimum points in the station's directional antenna. Persistence plus are the words for Joe Becker, the Hamilton (Ohio) Night Owl. He has all but 25 of the active U.S.A. stations. Of these twenty-five,

two (KVOS and KBPS) have eluded Joe for 11 years, but there will be another sleason and Joe still has hopes! "Hear the United States First" is Joe's motto, though he does log some foreign catches, one of the best being the 7½ watt TJW in Bermuda, now extinct!

Ed Laudansky (R2063) gives a few hurrahs for the inclusion of Nicaraguan and Venezuelan stations in the indices. Ed wants to see the complete roster of Latin American broadcasters in our indices.

Everett A. Erickson (R2297) is another who'd like a revised FCC monitoring list. Our offer to compile such a list still goes, if the readers will send in the schedules they pick up. The FCC is evidently not going to release any new schedules. Bob Botzum reports that TP reception this season was far below par—a flop, in fact!

R. G. Earle (2299) heartily approves the idea for report forms for RADEX Club members.

Reallocation—Pro and Con

Gordon E. Walberg of Winnipeg, Man., thinks they should do it all over again. The new set-up isn't working out too well up his way. KSL hasn't been heard since March 29. Previous to this it was always R9. Gordon suggests that stations have different channels for day and night operation. A possibility, but hardly probably say we. Robert Koppelon of Newark is another who isn't too well satisfied with re-allocation. Says Bob, "XENT blots out WRVA, XELO messes up KEX, XERB overrides KTHS and the Cubans are all over the dial. The only change for the better as far as I can see is the several new clear channels made available.

On the other side of the fence, Norman Maquire (R636) of Stamford, Conn. says that the new set-up is working out very well for him and that 900 kcs. is the only bad channel. Frederick A. Strubel doesn't find it working out so efficiently, though. Fred claims 1160-1200 kcs. is all confused with nothing at all being heard.

Then there's Aaron Doan (R1936) who likes the new set-up and claims that in his area (Meadville, Pa.) many stations have been helped by the changes.

The facts are that the re-allocation is really working out very well when you consider interference on your own local stations. However, to the DXer, who listens more to the distant station than the average radio listener, it seems that there has been more interference created, because the channels have been crowded with more stations and high power in neighboring countries have been placed on the same bands as high power in this country, but directional antennas take care of the interference problem as far as the station's primary service area is concerned. Of course, when you get outside this service area, anything is likely to happen! One thing for which the DXer may be thankful, the re-allocation has opened up spaces on the dial for many South and Central American stations which were never heard previously.

And that, fellow Radexers, brings down the curtain on our first column under the new Radex set-up. We like it very much because it eliminates a lot of repetitions which makes more room for actual news and for the type of data that is really useful to DXers. What are your opinions on the subject? Drop a line to your Eastern Editor.

The Reporters

The complete list of all persons submitting material to the Eastern Editor follows:

- R7, Pa. 1: Arthur M. Hankins, Latrobe, Pa.
 R42: Robert Botzum, Reading Pa.
 R36, Mich. 1: Carl Silvester, Columbianville, Mich.
 R42: Robert Botzum, Reading Pa.
 R54: Lloyd Rees, Ridgewood, N. J.
 R101: Weston Richards, Zion, Ill.
 R133: Carl Forestieri, Bronx, N. Y. C.
 R201: H. B. Day, Gordon, Wis.
 R283, N. Dak. 2: Rud Anderson, Ambrose, N. Dakota
 R372: Page Brent, Kansas City, Mo.
 R528: Vincent Stasen, Philadelphia, Pa.
 R600: Steven Mann, Lakewood, Ohio
 R606, Tenn. 3: Bill Scott, Johnson City, Tenn.
 R636: Norman Maguire, Stamford, Conn.
 R638, Vt. 5: Edward Draper, West Burke, Vt.
 R757: Matthew E. Leshner, Lawrence, Mass.

- R843: Joseph Janata, Astoria, N. Y.
 R986: Edgar W. Keller, Chicago, Ill.
 R1010: N. Whinton, Greenwood, Mass.
 R1049: S. R. Morris, Haverhill, Mass.
 R1067: Gene Kosolavoff, Dayton, Ohio
 R1072: Joseph Becker, Sr., Hamilton, Ohio
 R1088: Ralph Kastner, New Braunfels, Texas
 R1117: Roger Causse, Lester, Pa.
 R1151: Bob Brown, Goshen, Ind.
 R1317: James Weaver, Elkhart, Ind.
 R1470: Jack Stephenson, Oklahoma City, Okla.
 R1541: L. A. Mayo, Montreal, P. Q.
 R1559: William Maag, Youngstown, Ohio
 R1687: David Wing-Scobie, Moore Park, Mich.

- R1691: Hal Robie, Springfield, Mass.
 R1740: Constantine Sideris, Oswego, N. Y.
 R1741: H. A. Whittier, Mansfield, Mass.
 R1757: Wm. McMahon, Glen Cove, N. Y.
 R1769: Allan B. Cadorath, Brandon, Man.
 R1797: Phil Gridley, Holyoke, Mass.
 R1816: Albert Koppe, Des Moines, Iowa
 R1839: Elmer Rogers, Cleveland, Ohio
 R1843: L. N. Stracener, Baton Rouge, La.
 R1878: Douglas Gerald, Staten Island, N. Y.
 R1910: Chester tSedman, Westerly, R. I.
 R1911: Norman H. Kane, Wynnewood, Pa.
 R1920: Richard R. Coatsworth, Toronto, Ont.
 R1923: Wm. R. Knotte, Pennsgrove, N. J.
 R1936: Aaron Doan, Meadville, Pa.
 R2049: Jack Croner, Baltimore, Md.
 R2053: Anton Duening, Annapolis, Md.
 R2060: Roger Legge, Binghamton, N. Y.
 R2063: Edward Laudansky, Dorchester, Mass.
 R2067: Walter L. Mouk, Providence, R. I.
 R2094: Dick Mertz, Akron, Ohio
 R2105: Charles McGeorge, Lexington, Ky.
 R2117: Ralph Edwards, Morristown, Pa.
 R2118: Harold White, Circleville, Ohio
 R2145: Frank Caryell, Cleveland, Ohio
 R2161: Richard H. Livingston, Lansdown, Pa.
 R2167: Len Kruse, Dubuque, Iowa
 R2169: Joseph E. Gannon, Chicago, Ill.
 R2198: E. L. Hoffman, Roanoke, Va.
 R2228: Francis Fellers, Asheville, N. C.
 R2233: William Waldman, Asheville, N. C.
 R2242: G. T. Barron, Philadelphia, Pa.
 R2243: Nicky N. Harris, New York City
 R2245: Charles Rogers, Delavan, N. Y.
 R2246: Eugene Gross, Webster Groves, Mo.
 R2263: George Holland, Toronto, Ont.
 R2264: Joe Crompton, Toronto, Ont.
 R2288: Willie J. Saunders, Washington, D. C.
 R2297: Everett A. Erickson, Bethel, Conn.
 R2298: Charles E. Watts, West Plains, Mo.
 Howard G. Bardin, Hartford, Conn.

- Len Cavileer, Haddon Heights, N. J.
 Ray Lee Clark, St. Joseph, Mo.
 Vernon Lee Gibbs, Lexington, Ky.
 Robert Gilchrist, New York City
 Bickford Graf, New Orleans, La.
 Francis Hone, Rochester, N. Y.
 Roy Jeff, Philadelphia, Pa.
 Bernard Keiser, Webster Groves, Mo.
 Arthur J. Kimble, St. Louis, Mo.
 Alec Kinghorn, Havana, Cuba
 Dellos Lowell, Sharon, Wis.
 Allan Maxwell, Bloomington, Ind.
 A. C. Metcalf, Lakewood, Ohio
 Frederick A. Strubel, Hackensack, N. J.
 S. Tellis, Philadelphia, Pa.
 Thomas E. Townsend, Little Rock, Ark.
 Gordon E. Walberg, Winnipeg, Man.
 Bill Wells, Hamilton, Ont.
 Bob Wilson, Portland, Maine.

YOUR COPIES OF RADEX WILL BE RESERVED. (SEE PAGE 80)

WEST COAST

(Continued from page 6)

mentions, for fellows who just missed the Big Three. We herewith inaugurate a new champion.

The Big Three

1. Eugene S. Allen, Berkeley, Calif., 168.
2. George J. Hiss, West Hollywood, Calif., 121.
3. Arthur T. Cushen, Invercargill, New Zealand, 96.

Consolation Division

4. Allen G. Hooker, Liberty, Sask., 62.
5. Charles Benedict, Altadena, Cal., 58.
6. Russell Cain, Reno, Nev., 57.

"Gene" Allen won his spurs with a blitzkrieg of reports on hard-to-get stations here on the West Coast. He tunes a HALLICRAFTERS SX-28. George Hiss also showed in the Big Three last issue, in third place. His receivers are a 6-tube Echophone and a 10-tube Midwest. Arthur T. Cushen has the amazing record of placing for the third straight time! He finished second last time. He has an 8-tube English Ekco. Al Hooker and Russ Cain are both former Big Three champions, and Charles Benedict is an up-and-coming DXer who has been knocking at the door lately.

The Radex Contests

The standings of west coasters in the Radex Contests show Harry Johnson leading in the All Wave Division with 432 points, and Art Cushen with 240 points. Al Hooker leads the Shortwave Division with 231 points, followed by Dave Bishop with 140. The Distance Contest, sponsored exclusively by this column, is led by Wm. McMahon, with VLW2, 10500 miles, in the Shortwave Division. Richard Brauer leads the Broadcast band Division with CBL. Reporters have until July 1st to submit final entries.

What Our Readers are Doing

Fred Anderson has organized the

Philippine Radex Club, which now has five members.... Art Cushen will leave a temporary vacancy in the ranks of ace DXers---in his last letter he said he had been called in the military ballot, but had already applied to the air force, and was awaiting final arrangements. Lots of good luck to you, Art.... KALW, the FM station on 42,100 k/c, has been heard by Allen and Deligianis. They operate 2-4 p.m., and 7-9 p.m., weekdays only.

Since the East and West Coast station reports on both shortwave and broadcast band are now incorporated in one big column, we shall feature items of special interest only in this individual column, and personal notes on our readers. Of course, West Coasters will continue to send their reports to the West Coast Editor, and ratings for the Big Three, etc., will be continued as heretofore.

We attach herewith a list of reporters who submitted station news to the column this issue:

RF: Your West Coast Editor

R451: Chester Romanowicz, Fort Ord, Calif.

R839: Wm. Cunningham, Hollywood, Calif.

R881: Clarence Lee Mustoe, Brady, Mont.

R1214: H. H. Crow, Jr., Sacramento, Calif.

R1220: N. Z. J. Arthur Cusen, Invercargill, New Zealand

R1630: Mrs. L. E. Grannis, Eureka, Calif.

R1815: Hal G. Tuncil, Bakersfield, Calif.

R1829: Nev. 2: Russell Cain, Reno, Nev.

R1933: Carroll H. Clark, Snoomis, Was.

R1849: Allen G. Hooker, Liberty, Sask.

R1871: Eugene S. Allen, Berkeley, Calif.

R1919: George J. Hiss, West Hollywood, Calif.

R1922: Harry H. Jonson, Los Angeles, Calif.

R2016: R. V. Caldwell, Neskowin, Ore.

R2070: Charles C. Norton, Oakland, Calif.

R2077: Charles Benedict, Altadena, Calif.

R2109: Walt Britton, Houlton, Ore.

R2127: Byron Miller, Los Angeles, Calif.

R2144: R. A. Hayre, Salem, Ore.

R2239: Otto Renninger, Jr., Seattle, Wash.

R2291: Israel Feuer, Vista, Calif.

R2292: Gerald Stoneman, Chilliwack, B. C.

Fred A. Anderson Ft. Mills, P. I.

Hugh Curtis, Mare Island, Calif.

Geo. Deligianis, San Francisco, Calif.

George Damgaard, Ft. Mills, P. I.

L. E. McNamara, Los Angeles, Calif.

K. R. O'Brien, Hollywood, Calif.

**YOUR COPY OF RADEX
DELIVERED TO YOUR HOME.
SEE PAGE 80.**

The Radex Contest

With the tabulation of the Radex Contest standings at the halfway mark, the running is still very close in three of the four divisions. In the Shortwave Division, Roger Legge leads the field by about 2500 points, but even in this division, anyone can still win. In the other divisions, the leaders are more closely grouped.

The Amateur Division is led by Roger Legge, and Merton Meade follows only 600 points behind. Eight hundred points separate the leader and runner-up in the All Wave Division, and only 432 points separate the two leaders in the Broadcast Band Contest.

There is still time to enter these contests, as copies of all the past issues in which coupons appeared are still available. New readers are also referred to former issues for complete rules, which are so simple that any DXer can enter and have a chance to win.

SEND STANDING NOW

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 subscription blank on page 80.

Do not hold the coupons until the end of the contest, but send each of them, as soon as possible, to RADEX, Emerson, N. J. Each coupon may be held, however, until the next one is in hand; thus, send Coupons 1, 2, 3 and 4 now, if you have not already done so; send Coupon No. 5 when you have received your next issue of RADEX.

Amateur Phones

A reader asks if amateur stations must specify that they operate on 'phone for their cards to count in the contest. Since the rules specify that every station must use 'phone we shall require that phone operation be clearly indicated on every card entered in the Conesst.

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

Date.....

Gentlemen:

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



We have also been asked if verifications must positively verify, since it has been pointed out to us that many verifications merely thank listeners for reports without indicating whether or not the reports are correct.

It has never been the policy of Radex to specify how verification cards should be worded, although, naturally, we prefer a card which states positively "Your reception is verified." Any communication which infers or suggests, however indirectly, that the reception of the station was correct, is acceptable to us. We feel that if an incorrect report is submitted by a listener, the station will either fail to answer at all, or will state definitely that the report was incorrect. Thus, the "thank you" cards from the BBC are acceptable, as well as the indirtct verification sent out by CBK, WWSW, 4QS and many others.

The Standings

The standings of the leading fifteen contestants in the four divisions of the contest are shown in the tables which follow. The number shown in parentheses is the number of the last coupon received on the day this article was written.

Broadcast Band Division

1. 3400 Steven Mann (3) Lakewood, Ohio
2. 2968 Frank B. Lee (3) Wildwood, N. J.
3. 2700 David Thomas (2) Proctorville, O.
4. 1520 Geo. Wetherill, (2) Upper Darby, Pa.
5. 1350 N. B. Boonin (3) Upper Darby, Pa.
6. 960 Robert Gilchrist (3) New York City Pa.
7. 936 Robert Brown (3) Goshen, Ind.
8. 906 Lem Cavileer (2) Haddon Hts., N. J.
9. 840 Weston Richards (3) Zion, Ill.
10. 630 Roy Woollacott (3) Rochester, N. Y.
11. 5664 Chester Stedman (2) Westerly, R. I.
12. 540 Wm. R. Knotts (3) Pennsgrove, N. J.
13. 525 Frank Susoreny (2) E. Chicago, Ind.
14. 504 V. C. Stasen (3) Philadelphia, Pa.
15. 500 Norman Maguire (3) Stamford, Conn.

Shortwave Division

1. 3008 Roger Legge (3) Binghamton, N. Y.
2. 570 E. L. Hoffman (3) S. Roanoke, Va.
3. 540 Wm. Knotts (3) Pennsgrove, N. J.
4. 396 Steven Mann (3) Lakewood, Ohio.
5. 238 Robert Sullivan (3) Brooklyn, N. Y.
6. 216 Harold I. Manuix (2) Cincinnati, O.
7. 150 Ed. Laudansky, (3) Dorchester, Mass.
8. 135 L. N. Stracener (3) Baton Rouge, La.
9. 117 D. L. Bishop (2) Liberty, Sask.
10. 112 Allen Hooker (2) Liberty, Sask.
11. 84 Bill Scott (3) Johnson City, Tenn.
12. 49 Vincent Longo (2) Detroit, Mich.
13. 45 Harry Johnson (2) Los Angeles, Calif.

14. 33 Al Renfro, Jr. (2) Johnson City, Tenn.
15. 25 Arthur Hankins (3) Latrobe, Pa.

Amateur Division

1. 1513 Roger Legge (3) Binghamton, N. Y.
2. 905 Merton Meade (3) Kansas City, Mo.
3. 666 Roger Crabill (2) Washington, D. C.
4. 630 Mike Unger (3) Detroit, Mich.
5. 598 Tom Smith (3) Orlando, Fla.
6. 374 Philippe Bates (3) Philadelphia, Pa.
7. 300 Wm. Knotts (3) Pennsgrove, N. J.
8. 259 Harry O'Meara (3) Manchester, Mass.
9. 195 Bill Scott (3) Johnson City, Tenn.
10. 168 Everett Erickson (3) Betel, Conn.
11. 114 Al. N. Cole (2) Norfolk, Va.
12. 110 Charles Bender (3) Pittsburgh, Pa.
13. 84 Roland Burson (3) Mansfield, Ohio.

Radex Contest Prizes

All Wave Contest

Halicrafters Skyrider Defiant Receiver, SX24

2nd Prize, \$30 in cash

3rd Prize, 1 Year Subscription and Membership in the World DX Alliance

Amateur Contest

1st Prize, \$15 in cash

2nd Prize, Subscription to Radex for two years

3rd Prize, 1 Year Subscription and Membership in the World DX Alliance

Broadcast Band Contest

Philco Strap-around Portable Radio

2nd Prize, \$15 in cash

3rd Prize, 1 Year Subscription and Membership in the World DX Alliance

Shortwave Contest

1st Prize, \$15 in cash

2nd Prize, 1 Year Subscription and Membership in the World DX Alliance

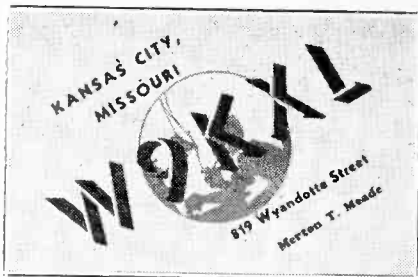
3rd Prize, Spatari Radio Language Book

Special Award

To the person in each division who verifies the most Latin-American stations:

100 gummed, 3-color Spatari Radio Language Seals

14. 80 Ralph Kastner (3) New Braunfels, Texas.
 15. 68 Ed Laudansky (3) Dorchester, Mass.
- All Wave Division**
1. 7104 Steven Mann (3) Lakewood, Ohio.
 2. 6384 Roger Legge (3) Binghamton, N. Y.
 3. 5658 Wm. Knotts (3) Pennsgrove, N. J.
 4. 3260 David Thomas (2) Proctorville, O.
 5. 2912 Lem Cavileer (2) Haddon Heights, N. J.
 6. 1725 Robert Sullivan (3) Brooklyn, N. Y.
 7. 1640 Geo. Weterill (2) Upper Darby, Pa.
 8. 1449 N. B. Boonin (3) Upper Darby, Pa.
 9. 1288 Ed Laudansky (3) Dorchester, Mass.
 10. 1215 Robert Gilchrist (3) New York City
 11. 1078 Harold Mannix (2) Cincinnati, O.
 12. 936 Bill Scott (3) Johnson City, Tenn.
 13. 876 Roy Woollacott (3) Rochester, N. Y.
 14. 744 V. C. Stasen (3) Philadelphia, Pa.
 15. 684 L. N. Stracener (3) Baton Rouge, La.



Merton Meade has offered to print SWL cards for winners in The Radex Contest Amateur Division. Above is his own SWL card.

ACROSS THE EDITORS' DESK.

Thumbing through the pages of this issue of RADEN, our readers will find that important changes in policy have been made on nearly every page. Most important will be the new method of presenting station news, wherein the eastern and western columns are combined to prevent repetition of station news. However, reception reports from the two coasts are still kept separate in the columns written by Ray RaRocque and Melvin Fisher.

We believe the broadcast band news, arranged by frequencies, will be even more valuable to our readers than the former method of presenting the news by countries. Questions and Answers from our readers have been put into a separate column, and FM news has been given a department by itself. The Frequency list of broadcasting stations now shows the minor network affiliations of stations, and the short-wave broadcasting list has been greatly expanded to include all stations heard, or apt to be heard. Comments from Radexers on all these changes will be greatly appreciated.

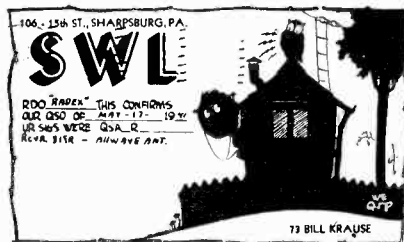
It was necessary to omit the World Station List from this issue, due to the lesser number of pages, but this list will be resumed in the next issue, which will return to 96 pages.

Mr. George Jacobs has asked us to mention the convention for DXers

which will be held in Cincinnati on August 15, 16 and 17. Further information, and reservations, can be obtained from Mr. Jacobs at P. O. Box 141, Station V, Cincinnati, Ohio.

Television, at long last, has grown to "commercial" status. Commencing on July first, high definition pictures of 525 lines will be broadcast, and FM will be required for the accompanying sound broadcasts. If present tests prove successful, color television can be expected by January first of next year.

A ruling of the FCC may require the NBC to relinquish its Blue Network, but as we go to press the NBC and the CBS are planning to carry the fight to the courts and we are not sure whether or not the FCC ruling will be immediately carried out.



Bill Krause's SWL card.

Shortwave News Of The World

By the Eastern and Western Editors

Radex, this month, presents in easy-to-read form all the shortwave news in one department, tabulated in the manner in which you like to read it—by countries. To make up this department, your editors have selected the choice material from your reports, official releases by the stations, and data which they themselves have gathered, into a department which will, we hope, meet with your hearty approval. To those who have been accustomed to seeing a lot of names repeated over and over again after reports; to those who have seen the same news items appear twice in separate sections conducted by our two sectional editors, we want to point out that there will be much more valuable news replacing this un-necessary repetition in the future. However, we still maintain that the readers deserve credit for much of the news, and in separate departments we will award these credits and discuss reader reports and suggestions.

(Source of news is credited as follows:)

- RX—Official News.
- RO—Owan Callin—Ham Editor.
- RF—Melvin Fisher—Western Ed.
- RL—Ray La Rocque—Eastern Ed.
- RE—Eastern Readers.
- RW—Western Readers.
- REW—A combination of Eastern and Western Readers.

Aden

Aden—(REW): ZNR on 12115 kcs., in the capital city of this British Protectorate which comprises the southern part of Arabia, is making its signal heard in eastern North America on various occasions during its daily transmission from noon to 1 p. m. daily. It is from this station that much first-hand war news can be expected if the present conflict should spread to Asia. Address us ZNR, c/o Cable and Wireless, Ltd., Ras Boraldi, Aden.

Algeria

Algiers—(RE): "Radio Algiers", station TPZ on 12120 kcs. is transmitting daily from 1:30-2:30 p.m., but the program that really packs a wallop in the Eastern states is the Sunday broadcast from 4-6 p.m. TPZ-2 on 8960 kcs., also follows the same schedule, but is not heard as well as TPZ.. Both these stations advise American listeners to send their veri requests via air mail—which costs 33c.

Angola

Benguela—(RE): Not many DXers hear this one, but Steve Mann vows that it can be heard. CE6RB on 10953 kcs. using 50 watts and owned by the Radio Club de Benguela, operates from 2:30-3:30 p.m. daily. The station uses a woman announcer and news in Portuguese is heard at 3:15 p.m. with "O Portuguesa", the National Anthem, heard at sign off.

Argentina

Buenos Aires—(REW): LRX on 9660 kcs. opens the morning transmissions of "Radio El Mundo" at 5:30 a.m. continuing until 6:05 a.m., at which time the announcer invites listeners to switch to LRU. The latter station takes the air on 15290 kcs. at 6:15 a.m., holding forth until LRX again takes over at 7:30 p.m. Both these stations relay the broadcast band station LR-1.

Australia

Sndney: Eastern listeners report that VLQ on 15315 kcs., not listed in the latest official schedule, is now operating and being heard from 8 to 8:30 p.m. daily, although the signal is not very strong. Programs are announced as test transmission and reports are solicited.

News transmissions from Sydney, it is officially announced, are broadcast at 7:30 a.m. on VLQ5, and at the same time for western states from VLQ7. Another transmission takes place at

5 p.m. for the eastern and central states on VLQ7 while the same station carries a similar news program at 10 p.m. for the western state of North America.

Western readers report that VLQ2, 11870 kcs., and VLW2, 9560 kcs., are heard with English news at 6 a.m.

Melbourne (RW): VLR8 on 11760 kcs. replaces VLR7 and comes in strong at 3:30 a.m. with the famous kookaboora, or "laughing jackass" call, then, "Australia calling."

The Australian shortwave stations are now issuing a new verification card. The card shows a map of Australia with yellow rays emanating from it on a background of blue and blue-green. It is a very attractive card, indeed.

Bahamas

Nassau—(RW): ZNS2 on 60990 kcs. has been heard at 9 p.m. giving war talks and BBC relays.

Belgian Congo

Leopoldville—(RE): "Radio Congo Belge" broadcasts over OPM (6 kw.) on 10140 kcs. in French from 1:55-2:45 p.m., and over OPL on (6 kw.) on 20040 kcs. from 5:55-7:15 a.m. Of the two, OPM is by far the best; in fact much difficulty will be experienced in even hearing OPL. . . . These two stations are relayed by four other 50 watt transmitter in Leopoldville, using one call—OQ2AA on all frequencies: 15175 kcs., 11730 kcs., 9550 kcs., and 6010 kcs.

Bolivia

Tupiza—(RE): A station heard well in the summer months is the 1500 watt CP-43 on 15165 kcs. which operates nightly from 6-9:30 p.m. What's more, they verify promptly.

La Paz—(REW): CP-2 on 6110 kcs., and CP-38 on 9505 kcs., each using 5 kw., operate nightly from 4 p.m. until midnight with the same program service. They can be addressed at Radio Nacional de Bolivia, Casilla 596, La Paz. The card is attractive and well worth having.

a.m.

XYZ on 6007 kc. is heard 910 a.m., with English announcements at 7.

Brazil

Pernambuco—(RE): PRA-8 on 6010 kcs. is a station that is not usually heard in the states with any degree of regularity, but persistent trying in the evening usually brings results. PRA-8 signs off at a little after 9 p.m.

Rio de Janeiro—(REW): PSH is broadcasting its regular evening program (until 7:05 p.m.) in parallel with PSL on 7930 kcs., and PSF on 14690 kcs.

Canada

Vercheres, P. Q.—(REW): CBFW has been caught a few times, testing on 12300 kcs. and 6160 kcs. This station is reported to be employing 7500 watts, which no doubt accounts for its being heard throughout the entire country. It comes in after HJCD signs off for the night; French is used almost exclusively, but English announcements are made at 11 p.m. EST. Verification cards are cream and black in color.

Montreal, P. Q.—(RW): CBFY, 11715 kcs. has been heard nightly with R6-7 signals, but with some fading.

Chile

Santiago—(RW): Three Chilean stations have been reported by our western readers. On 11700 kcs. is CB1170, heard signing off at 12:30 a.m. and on 11975 station CB1180 can be heard weakly from 8 to 8:30 p.m., with a good signal in the afternoons, and again later in the evening, when they QRM Radio Brazzaville from 10 to 11 p.m.

Valparaiso—(RW): CB970, 9730 kcs., was logged with a fairly good signal at 9 p.m.

China

Chungking—(REW): A station XOZS has been reported operating on 10040 kcs. from 8 a.m. until after 9:30 a.m. Gongs, and the call letters repeated twice by a lady announcer, help to identify the station.

Burma

Rangoon—(RW): XZZ on 3480 kc., 100 watts, has the same program as XYZ, with news in English at 9:30

KGOA on 9720 kcs. and XGOY on 9500 kcs. are usually heard working in parallel near 7 a.m. daily. The XGOY verification card is printed in black with a picture of the panda bear super-imposed.

Shanghai—(RW): Station XGRS has shifted to 12030 kcs., and its English news period at 7 p.m. has been reported as well received.

Colombia

Nueva Grande—(REW): HJCD on 6160 kcs. reportedly is relaying many of the programs of station HJDE on 6150 kcs. in Medellin.

Manizales—(RE): HJFB on 6105 kcs. is also among the stations which relay the programs of HJDE.

Bogota—(RE): HJCT on 9630 kcs. is the station with the powerful signal covering 12RO-3 evenings. The Colombian usually signs off at 11:30 p.m. but the result of two powerful stations arguing for the supremacy of a channel results in "hash" usually.

Barranquilla—(RW): HJAG, 9810 kcs., is heard regularly in the evenings.

Costa Rica

San Jose—(REW): TIPG on 9620 kcs. is actually being heard a little lower in frequency than its announced frequency. TIPG is known as "La Voz de la Victor" and signs off at 11:35 p.m.

Guanacaste—(RW): TI-7RVM on 5985 kcs. was scooped by Radexer Allen from 9:30-10 p.m.

Cuba

Havana—(RL): COK, the station which gained prominence during the "Batista for President" campaign, is back on the air, this time as the broadcast outlet for the Cuban Sports Department, of which Col. Jaime Marine is director. Alec Kinghorn, well known to DXers everywhere, is a staff announcer at COK, and listeners and former DX pals of Alec are requested to send in fan mail to him during his broadcasts...COK is on 11570 kcs., and operates from noon to midnight.

Address COK at the Sports Palace, Havana, Cuba.

CMB-14 is a new station heard testing on 14680 kcs.

COBZ on 9030 kcs., known as "Radio Salas" is another Cuban that packs plenty of power in its signal. English announcements are usually made on the hour and station address is P. O. Box 866, Havana.

COCO on 8700 kcs. are replacing on the shortwaves, the missing XERA on the broadcast band. That is, on their early morning (6:30 a.m.) broadcast they broadcast hill-billy music and other American music with advertisements intended for United States consumption. They also give a mailing address in Miami, Fla.

CLB-11 on 11500 kcs. is a new station heard testing in the evening. Announcements informed the listeners that this station would soon become a regular shortwave broadcaster.

COK, according to latest announcements, is now on 11619 kcs.

Camaguey—(RW): COJK, "Radio Zenith" signs off at 4:30 p.m.

Havana—(RW): COBC on 9375 kcs. "El Progress Cubano" can be addressed: Apartado 152, Havana.

Curacao

Willemstad—(RE): PIC-1 on 5937 kcs., using 200 watts transmits nightly from 6:36-8:36 p.m. Four languages are used, namely: Dutch, Spanish, Portuguese and English. PIC-1 is owned by Curacaosche Radio Vereen

Dominican Republic

San Pedro—(RW): HITJ on 5970 kc., closes with a march at 12 midnight.

Ecuador

Quito—(REW): HCETC on 9355 kcs. broadcast nightly until approximately 10:30 p.m., at which time they sign off after a Spanish news broadcast. HCETC suffers some QRM'ing from COBC.

Quito—(RE): HC2AK seems to be a Saturday station. Broadcasting on 9380 kcs., this station is very irregular during the week, but can always be heard on Saturday evening until 11 p.m.

Quito—(REW): HCJB on 12450 kcs. now has an English program at 8 a.m. Those who report receive a photo of a volcanic mountain with their verification. Each month, thereafter, a different photo is sent the reporter.

HCIPM, 5730 kc., is heard irregularly.

Egypt

Cairo—(REW): Stations SUX (7860 kcs.) and SUV (10055) kcs. are very active lately relaying programs to NBC and CBS. These broadcasts usually occur in the early evening, while the regular daily programs of SUV and SUX, in the native tongue, are to be heard between 12:30 and 1:30 p.m.

Eire

Athlone—(RE): "Radio Eire" operating on 17840 kcs. has been reported heard closing down at 3:30 p.m. with a signal that is far from exceptional.



Radexer Ed Laudansky of Massachusetts expects to be on the way to Hawaii or the Philippines with the Army before he sees this picture of himself.

Fiji Islands

Suva—(RW): VPDZ on 9536 kcs. has a strong signal from 12-12:30 a.m. in French. From 3:50 a.m. they broadcast in English. They relay BBC news at 8 a.m.

Finland

Helsinki—(RE): OFE on 11780 kcs. reported being heard again around 1:15 p.m. Announcement was made by a lady saying in English "This is Finland calling in the Overseas program of the Finnish Broadcasting Co." During the same announcement it was revealed that they are also using transmitters on the 31, 25, and 19 meter bands.

Helsinki—(RW): OFD on 9500 kcs. has been heard from 1 a.m.... OFE on 11780 kcs. operates in parallel.

France

Paris—(RE): "Station Y", as the Germans call it, on 15240 kcs. can be heard daily with a French program from 12:30-12:45 p.m. The station can be identified by the following typical announcements: "Ici Paris Mondial", "Vive La France".

Paris—(RE): TPB-8 on 11845 kcs., one of the unoccupied France, or Vichy government stations (known as "Radio National") is now being used in place of TPC-5. TPZ on 13120 kcs., another of these stations is being heard in the early afternoon. On the whole, programs from French stations are well received, but schedules are shifted so often that it is impossible to list any of the hours of operation.

French Equatorial Africa

Brazzaville—(REW): "Radio Brazzaville", the anti-Nazi station controlled by General deGaulle and the Free France army, has six transmissions daily. They start from 1-1:30 a.m. in French, then 8:30-9:30 a.m. in French. Next comes the English transmission from 2:45-3 p.m., then French from 3-4 p.m. In the evening there is French from 10-10:45 p.m. and English from then until 11 p.m. at which time they sign off with the "Star Spangled Banner". FZI, as the station is officially listed, sometimes uses 18440 kcs. on the 8:30-9:30 a.m. transmission.

French Indo-China

Saigon—(RW): "Radio Saigon" is still heard on regular 10:30-11 a.m. broadcasts in English on 11780 kcs.

"Radio Saigon" on 6188 kcs. heard 4-6 a.m. with fine signals.

Saigon—(RW): Fred Anderson of Ft. Mills, P. I., sends along the latest schedule for Radio Saigon: (Frequencies are 11780 kcs., 6116 kcs. and 1000 kcs); 7-7:15 p.m.: News in French; 12 mid. news in French; 12:20-12:35 a.m., light music; 5:15-6:15 a.m., English program; 7:30 a.m., news in Dutch; 8 a.m., news in French; 8:15-9:30 a.m., music and variety (in English); 10:30-11 a.m., English program.

French Morocco

Rabat—(RE): "Radio Maroc", operating simultaneously with "Radio Algiers" in the afternoons. After 5 p.m. is suggested as the best time to log this station.

Germany

Berlin—(RX): Official schedule of English transmissions from the German Library of Information in New York:

DJB on 15200 kcs. comes on the air at 6 a.m. until 8:45 a.m., from 11:30-11:45 a.m., 12:30-12:45 p.m., and from 4:50-11 p.m.

DJD on 11770 kcs. broadcasts from 4:50-11 p.m.

DJZ on 11800 kcs. broadcasts from 3:30-4 p.m.

DXP on 6030 kcs. broadcasts from 4:50 p.m. to 1:00 a.m.

DZD on 10540 kcs. broadcasts from 4:30-4:45 p.m., and 7:30-11 p.m.

* * *

Prague—(RX): The former station OLR4A, known now as DHE4A is being heard in this country, coming on the air promptly at 6 p.m. with soft-spoken announcements in Bohemian, followed by news in the same language. Interval signals remains the same short tune played on a horn, used excessively by OLR4A.

* * *

Amsterdam—(RE): PCJ-2 on 15220 kcs. has been used in conjunction with

DZE on 12135 kcs. to broadcast in Spanish to a "Radio Teatro" in Buenos Aires, evidently for relaying over Argentine networks.

* * *

Berlin—(RE): DXS on 15160 kcs. has been broadcasting in the morning until 10:45 a.m., but signals in this country have not been very strong.

Berlin—(RE): Lord Haw Haw's news broadcasts take place at the following hours on the stations listed:

3:30 a.m. DJB; 12:30 p.m. *DJA DJB. 630 a.m. DJL DXT; 2:30 p.m. DJA. 7:30 a.m. DJL DXT; 3:30 p.m. *DXM DZD; 9:30 a.m. DJL; 4:30 p.m. DXM; 11:30 a.m. *DJA DJB; 5:30 p.m. DZD.

Stations listed with an asterisk (*) are not usually heard in this country.

Prague—(RE): "Radio Podebrad" on 10035 kcs. with its new call letters —DZB is being heard at 2:45 p.m. with a fairly decent signal.

Berlin—(RE): DJW on 9650 gcs., has been heard with a program to Africa from 3:15-4:30 p.m.

Berlin—(RW): DZD, 10543 kcs. and DZC, 10290 kcs., are heard frequently in parallel 8:30-10 p.m.

Berlin—(RW): DJB heard with English program at 1:30 p.m. on 15250 kcs. Call, repeated several times, is "Germany calling."

Great Britain

London—(RX): The BBC's Chief Engineer recently released a statement of facts about British wartime broadcasting that contains many items of interest to shortwave fans. Though the constantly changing schedule of hours may make the BBC schedule quite complicated, the BBC is attempting to make every broadcast to any particular location available on a choice of at least two and sometimes four different channels. Whenever possible the same station is always used for one type of service. GSN and GSB are always used for Latin American service, while GSC, and GSD are employed in the North American service.

New BBC stations put into use to meet the demand for more complete service to various areas are: GRW on

6145 kcs., GRR on 6075 kcs., GRS on 7065 kcs., GRT on 7150 kcs., GRU on 9450 kcs., and GRV on 12040 kcs. The BBC engineer stresses the importance to radio manufacturers of including the 21 megacycle band on receivers as this band is usually always productive of good reports from listeners who tune the BBC stations on these high frequency channels.

In a plea to listeners, the BBC Chief Engineer, stresses the need for detailed reports—reports which contain information as to which of the many frequencies are best heard and the exact time of day that the programs are best received.

* * *

London—(RX): GRR on 6075 kcs., the station being used for the BBC Home Service is operating from 1:00 a.m. to 6 p.m.

Greece

Athens—(RE): On the evening of April 25th, SVM on 9934 kcs., broadcast its last program. Since that time the station has been unreported except for a few transmissions in code.

Guatemala

Guatemala City—(REW): TG-2 in operation on 6193 kcs. actually do not sign off at 2:00 a.m. on their Sunday morning transmission. This program lasts well into the night continuing sometimes after 3:00 a.m.

* * *

Guatemala City—(REW): TGWA on 15170 kcs., usually heard in the early afternoon from 12:45 p.m. until 2 p.m., has been offering to send a half-pound of Guatemalan coffee to listeners who would forward the station the names of several persons interested in travelling in Guatemala.

Haiti

Port-au-Prince—(RE): HHBM on 9660 kcs. is a new one un-earthed by Roger Legge. This station usually operates from 7-8:30 a.m.

Port-au-Prince—(REW): HH3W has shifted in frequency to approximately 10135 kcs.

Port-au-Prince—(RW): HHZS on 5947 kcs. heard R9 from 10-10:30 p.m. They identified in English at 10:30

p.m. They also announce in English at 9:30 p.m.

Hong Kong

Hong Kong—(RW): ZBW3, 9525 kcs. presents the news in English at 9 a.m., and from 9:10-11 a.m. an orchestra plays popular dance tunes.

Hungary

BudapestJ(RA): HAT4 on 9125 kcs. heard weakly at 7:30 p.m.

India

Delhi—(REW): VUD-3 on 9590 kcs. is using an interval signal which consists of a short tune repeated several times on a native reed instrument. Although the lowest in power, this is the only All India Radio station being heard well of late.

Delhi—(RX): Official schedule of the All India Radio stations as relayed to us by Norman H. Kane, Jr.:

VUD-2 (10 kw.) at Delhi on 7290 kcs. from 9:30 p.m. to midnight, on 9590 kcs. from 1-30 a.m., on 4960 kcs. from 6:30-8:30 a.m., and on 3495 kcs. from 8:45 to 12:15 p.m.

VUD-3 (5 kw.) at Delhi on 15290 kcs. from 9:05 p.m. to midnight, and from 1-4:25 a.m., on 9590 kcs. from 6:30-11 a.m., and on 6085 kcs. from 11:15-11:45 a.m.

VUD-4 (10 kw.) at Delhi on 11830 kcs. from 9:05 p.m. to midnight, 1-4:25 a.m., and 6:30 a.m. to 12:15 p.m. This station is listed as experimental.

VUB-2 (10 kw.) at Bombay on 7240 kcs. from 9:30-11:30 p.m., on 9550 kcs., from 2-3:55 a.m., on 4880 kcs. from 6:30-8:45 a.m., and on 3365 kcs. from 9 a.m. to 12:15 p.m.

VUM-2 (10 kw.) at Madras on 7270 kcs. from 9-10:30 p.m., on 9570 kcs. from 3-4:30 a.m., on 4920 kcs. from 5:30-8:15 a.m., and on 3435 kcs. from 8:30 a.m. to noon.

VUC-2 (10 kw.) at Calcutta on 7210 kcs. from 9:30-11 p.m., on 9530 kcs. from 2-4:30 a.m., on 4840 kcs. from 6:30-10:15 a.m., and on 3305 kcs. from 10:30 a.m. to noon.

Iran

The Iran transmitter according to information forwarded by Art Cushen, use 10 kw. EPB on 15100 kc., closes at 5:30 a.m. EQB has been verified.

EQC is now out of service in favor of EQB on 6155 kcs.

Iraq

Baghdad—(RX): HNF is definitely broadcasting on 9780 kcs., according to IDA, but schedule is unknown.

Italy

Rome—(RE): Besides 12RO-6 which continues to come in well on its noon to 1:15 p.m. transmission, there are a number of other Rome stations being heard excellently in this country. 12RO-4 on 11810 kcs. is one of the strongest, and is heard nearly all afternoon. 12RO-8 on 17820 kcs. can easily be heard in the early morning, after 8 a.m. 12RO-14 on 15230 kcs., and 12RO-15 on 11760 kcs. come on at 1 p.m.

Rome—(RE): English news periods are conducted at the following hours, although "Radio Roma" issues on news as to the channels on which the broadcasts are presented: 3 a.m., 6 a.m., 8 a.m., 8:20 a.m., 10:10 a.m., 12 (noon), 2 p.m., and 5 p.m.

Rome—(RW): 2RO18 on 9760 kcs. carries the American Hour from 9-10:30 p.m. 2RO3, 9630 kcs. was R7-8 from 12-1:10 a.m., on transmission to Pacific Coast. 2RO11 on 7220 kcs. was logged at 2:40 p.m. with R5 signal, carrying the American Hour. 2RO18 and 2RO4, 11810 kcs. now broadcast 8-till:20 p.m., 2RO8 on 1782 kcs. from 8-8:30 a.m., and 2RO6 on 15300 kcs from 12-1 p.m.

Japan

Tokyo—(REW): JLG-4 on 15105 kcs. seems to be the key station on the 8-10 p.m. nightly broadcast on North America. The alternate station used on this transmission seems to constantly shift from JLU-4 on 17795 kcs., to JZK on 15160 kcs., and JVZ on 11815, or a combination of two or more of these stations. Oddly enough, the Spanish transmission for South America from 6-7:30 p.m. is heard much better than the North American transmission, which begins to fade out badly after the first half hour.

Toyko—(RE): There is an afternoon transmission to Europe via JLG-2 on 9505 kcs., and JZI on 11800 kcs. which is being heard well in this country. Program is from 2-5:30 p.m. and is in English with JLG-2 being the best station. Spanish is also used on this broadcast

Tokyo—(RE): Following is a complete list of all Japanese shortwave calls, furnished to Radexers through the co-operation of Edward Laudansky:

JLR	.....	6015	JZJ	.....	11800
JLU	.....	6185	JVZ	.....	11815
JLT	.....	6190	JVZ-2	.....	11825
JVW	.....	7257.5	JLG-4	.....	15105
JLG	.....	7285	JLR-2	.....	15115
JLG-2	.....	9505	JLU-3	.....	15135
JLU-2	.....	9525	JLT-3	.....	15225
JZI	.....	9535	JVW-4	.....	15235
JLP	.....	9605	JLU-4	.....	17795
JLT-2	.....	9645	JVW-5	.....	17830
JLS	.....	9655	JLP-3	.....	17835
JVW-2	.....	9675	JLS-2	.....	17845
JVZ-3	.....	9695	JLP-4	.....	21560
JLG-3	.....	11705	JLS-3	.....	21620
JVW-3	.....	11725			

JLU-4 on 17795 kcs., a new station, began operating on April 30, in parallel with JLG-4 at 8 p.m., replacing JZK.

Java

Bandoeng—(RW): PLQ on 10680 kcs. and PLN on 11600 kcs. can be heard working in parallel at 7:00 a.m. with English announcements at intervals... PLP on 11000 kcs. plays popular recordings daily from 9-10 a.m.

Batavia—(REW): PMN on 10260 kcs. heard in parallel with PLP from 9:45-10 a.m.... PMA on 19380 kcs. is now broadcasting daily from 7-8:15 a.m.

Soerabaja—(REW): YDB on 9550 kcs. heard in the morning (10:30 a.m.) with weak signals... YDC on 15150 kcs. can be heard at 6:30 a.m. with a time signal similar to that used by Daventry. This is preceded by native music and followed by news in the Dutch language.

Lebanon

Beirut—(RE): FXE is the official

call, although not used, of "Radio Levant" on 8030 kcs. which is being heard from 12-12:20 a.m. daily. "La Marseilles" is heard at sign off.

Macao

Macao—(RW): CRY-9 on 6080 kcs. has good, but noisy, signal on Mondays at 7 a.m.

Martinique

Fort de France—(REW): "Ici Radio Martinique," identifies the station on 9703 kcs. that might be located in the center of controversy in the present world conflict very soon. The station usually transmits in French from 7-7:30 p.m.

Manchukuo

Hsingking—(RW): MTCY has news in English on 9545 kcs. and 11775 kcs. at 10 a.m. and on 11775 kcs. at 1:30 a.m. MTCY has good signals on 6125 kcs. around 7 a.m.

Mexico

Mexico City—(RE): XEBT on 6000 kcs., one of the oldest Mexican short-wave stations, can be easily identified by its peculiar "cuckoo" call sounding a little bit more like some automobile horn than a "cuckoo". XEBT usually can be heard after midnight and their signature theme is "Liebestraum", usually played between 12:30 and 1 a.m. at sign off.

Mexico City—(RE): XEKW on 6030 kcs. is a seldom reported Mexican station usually because it is badly QRM'd. It can best be tuned after midnight.

Vera Cruz—(RE): XEUW on 6020 kcs. uses the beautiful "La Paloma" for a theme song when it leaves the air at midnight.

Tampico—(RW): XETW on 6045 kcs. are heard very well during a dance music program at 12-1 a.m.

Jalapa—(RW): XEBP signs off on 6090 kcs. at 7:30 p.m.

Mozambique

Lourenco Marques—(RE): Along with CR7BE on 9710 kcs., which has a power of 10 kilowatts beamed toward North America, the following

stations are also operating in this country: CR7AB on 3490 kcs., CR7BD on 15250 kcs., and CR7AA on 6030 kcs. The CR7BE program is conducted from 2-4 p.m., the last half hour of which is American dance music.

Lobita—(RW): Art Cushing reports hearing the very seldom reported CR6AA on 7170 kcs. at 2:30 p.m.

Newfoundland

St. Johns—(RX): Official schedule of VONH on 5970 kcs. is from 5-10 p.m. daily, while VONG on 9475 kcs. operates from 9 a.m. to 2 p.m.

Nicaragua

Leon—(RE): YNJAC, broadcasting on the 5750 kcs. channel is a new station in this country, usually heard in the evening, and using the slogan "The Voice of the Air".

Granada—(RE): YNLAT on 7620 kcs. operates from 8-10:15 p.m. and can be identified by the slogan "La Voz del Mombacho".

Managua—(RW): YNRS on 8585 kcs. signs off nightly at 10:45 p.m. YNOW on 6860 kcs. comes in around 9:45 p.m.

Norway

Oslo—(REW): Former station LLH (9645 kcs.) is on the air nightly from 9-10 p.m. Opening announcement is "Hello America" repeated a few times. Whole program is in Norwegian. Signal is good. This station has been inactive since the Germans took over the radio in Norway. A music box tune played over and over before coming on the air is interval signal.

Panama

Panama City—(RW): HP5G, 11680 kcs., has news in English at 12:30 p.m. and 7 p.m., and English announcements at 8:30 p.m., and 12 midnight. Power is 1500 watts. They verify.

Colon—(RW): HP5K at Colon has been heard from 6:30 p.m. on 6005 kcs.

Peru

Huanuco—(RE): OAX3A on 6205 kcs., "Radio Huanuco" is easily heard after 11 p.m., after the sign off of CP-5 and HI-1X.

Arequipa—(RW): OAX6A, on 6050 kcs. has been heard at 10 p.m.

Lima—(RW): OAX4J is heard regularly on 9340 kcs. They have three gong signals similar to NBC.

Philippines

Manila—(RW): KZRM, 9570 kcs., "Voice of Manila", is heard from 4:25-10:30 a.m.

Manila—(RW): KZRH heard until 11 a.m. on 9640 kcs., at which time they conclude the "Manila Night Hawk" program with English announcements.

Cebu City—(RW): KZRC, has good signals on 6100 kcs. from 7-8 a.m.

Portugal

Lisbon—(RW): CSW7 comes on the air on 9740 kcs. at 7:55 p.m. A short tune is played repeatedly, then chimes are sounded, and a clock struck 12 at 7 p.m. Sign off at 8 p.m. CSW6, 11046 kcs. comes in irregularly with weak signals at noon.

Salvador

San Salvador—(REW): A new voice of "Radio Nacional" has made its appearance. Working in parallel with YSPB on 6575 kcs., YSPA on 10400 kcs. is being heard quite well throughout the United States, operating sometimes as late as midnight.

Southern Rhodesia

Salisbury—(RW): On 7210 kcs. verified in two months. Address is General Post Office, P. O. Box 792, Salisbury, S. R.

Straits Settlements

Singapore—(RW): ZHP1, 9690 kcs. and ZHP3, 7250 kcs., Singapore, broadcast in parallel signing off in English at 9:40 a.m. ZHP2 on 8715 kcs. was also in parallel but has not been heard here. ...ZHP2, 6170 kcs. a new station, heard in parallel with ZHP1, closing at 9:40 a.m.

Sweden

Stockholm—(RE): The schedule for the day is broadcast over SBT on 15155 kcs., and SBP on 11705 kcs. daily at a few minutes before 1 p.m.

Switzerland

Schwarzenburg—(RE): HER-3 on 6165 kcs. has been putting in an excellent signal when broadcasting from 11:35 p.m. until 12:40 a.m.

Geneva—(RW): HBL on 9235 kcs.



An SWL card from W. J. Page of Wellington, New Zealand. Native Maori women are pictured.

(announced frequency) has been heard at 9 p.m. with a woman announcing in English. The program was also carried by HBO on 11402 kcs.

Syria

"Frances Libre D'Orient", 9045 kcs. opens at 9:30 a.m., with metronome notes and news in French, as per Art Cushen.

Taiwan

Tyureki—(RW): JIE-3, Tyureki, 9695 kcs., was heard at 9:30 a.m. on a Saturday. Identification is six or seven gongs.

Taihoku—(RW): JFO, Taihoku, heard fairly well in early morning on 9630 kcs.

Tangiers

Tangiers—(RW): "Radio Folange", 7090 kcs., opens at 1 p.m., broadcasting in Spanish.

Thailand

Bangkok—(RW): HSP5 on 11715 kcs., Bangkok, heard with market reports at 8:59-9 a.m., followed by light orchestral music until 10 a.m.

Turkey

Ankara—(RW): A station just is succeeding in putting through a rather weak signal to America from 6-6:30 a.m., with English news bulletin featured at 6:15 a.m.

Ankara—(RW): Ast ation just above GRV on 9450 kcs. is believed to be TAP on 9465 kcs., was heard weakly 9:30-10 a.m.

(Please turn to page 45)

Ham Hounding

By OWEN CALLIN

One of the most important pieces of news during the past two months has arisen from the annual meeting of the American Radio Relay League, which reaffirmed its policy of active co-operation with the federal government in the present national defense program.

One of the most outstanding resolutions adopted at the meeting was the one which urged the Federal Communications Commission to establish a new "feeder" type of temporary amateur license requiring a less stringent examination than regular amateur licenses.

The resolution, pointing out the need for replenishment of amateur ranks depleted by military requirements for trained operators, suggested that a lowered code speed requirement of only seven words per minute be established and that the non-renewable license be issued for a year.

Personally, we are whole-heartedly in favor of such a temporary license. There are quite a few of us—myself included—who would be amateurs now if it were not for the 13-word-per-minute requirement. Many of us haven't the time nor money to acquire the high speed.

However, if we get on the air through the temporary license it stands to reason that in that year of QSOs with others on CW the code speed would increase so that at the end of that period we would be able to easily pass the higher requirement for a permanent license.

I know the majority of you would favor such a temporary license. If so, write a letter to the ARRL in West Hartford, Conn., and to the Federal Communications Commission in Washington, D. C., pledging co-operation and approval to such a temporary license.

Twenty meters finally opened up rather surprisingly and just in time for the contest going on down in South and Central America. Quite a few DX catches were heard from the Latins.

We regret exceedingly to announce that some of the well-known amateurs have joined the ranks of the silent keys. John E. Garvey, 50, "king of the shut-ins," died April 3 at his home in Cleveland, where he conducted a coal sales business by telephone and talked with hundreds of friends over his station, W8RID. Garvey had been bed-ridden since 1929 with arthritis. He once conducted a shut-in program over BCB station WJAY, now WCLE.

Frank Jones, otherwise known as CO6OM, died in Cuba recently after a brief illness. He was one of the most famous CO's on 20 meters.

And, news from England tells us of the death of the following hams, fighting for their country: G5SO, G5SI, G5JH, G3JY, G3FL, G5ZQ, G4QA, G5AU, G4IR, G6BI, G2GM, G3LI, G5BW and GM8TT.

Flash! Flash! CT1QA has sent 100 of his QSL cards to Vernon Lee Gibbs, Route 5, Lexington, Ky., and all hams and SWLs who have heard or contacted CT1QA and haven't yet received a card, send your reports to Vernon and you'll get a QSL from this Portuguese ham. Don't forget the return postage—a three-cent stamp.

Eugene Allen of Berkeley, Calif., Charlie Rogers of Delevan, N. Y. (R2245), L. F. Stracener, Jr., of Baton Rouge, La., and V. C. Stasen of Philadelphia, Pa., have joined our ranks. Welcome to the Radex Club fellows, and don't forget those reports. Thanks for the fb ones this time, too.



A—L. P. MacGown, operator of W1CBV, and his XYL.



C—The rig of amateur W1CBV.

Pasadena, California ^{Apr 10-1941}

W in
UR SIGS.-RST ORM-ORN-QSB M.P.S.T.

W 6 M N X
(also called Ham and Eggs.)

Rec. Mod. T-82a with preselector
Trans. 472-541-801-150T-300-50000
Am. and for Caspary Ziff
Freq. 2.0-2.2-150-60 K.C. 7.3' ESO. M.
PSE OSL TNX 0.4m x 7m young 8010 QUEENSBURY ROAD
HULL

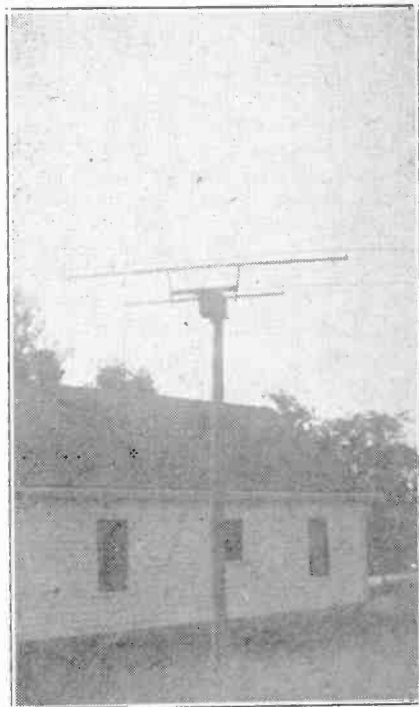
B—Ham QSL cards from Maine to California.

BANGOR, MAINE
KFD

W1CBV

RADIO: Confirming our communication
of 11:45 a.m. EST 24.821 a. 1941
Our sigs were QSA R Xbrn. sigs. 200-2000
Ant. 2.2' x 1.2' x 1.2' x 1.2' x 1.2' x 1.2'
Input 2.5' x 1.2' x 1.2' x 1.2' x 1.2' x 1.2'
rate rate

L. P. MacGown, "Mac"



D—The W1CBV antenna, a two-element rotary beam, entirely home-made except the elements and the motor that turns it.

Contesters, here's your last chance. Our contest closes July 30 and all reports—final ones—must be in my hands by then. If not, the last score you turned in will be credited to you.

Many newcomers have sent in scores: Rog Crabill has 726, V. C. Stasen 2121, Bill Scott 2830, Al Pickering 9744 and George Eder jumped to 18,476.

Remember, the winner receives credit toward the purchase of foreign stamps from the Return Postage Bureau, Rutherford, N. J., donated by the manager, Walter Koester, plus a write-up in Ham Hounding. The second place winner also gets a write-up.

Final standings and winners will appear in the September-October issue.

QRA and QSL

V. C. Stasen pulled veris from LU7BK, K6GAS, K5AH, K4KC, CO2LY, YV1AP, TI2FG, OA4C, XE1BC, VR6AY, TG9BA, HH2B, HC2HP, K7BPB and CE3AG.

Ed Laudansky says card to HK1AK came back marked "Unknown."

Phile Bates, 4101 Stanwood St., Holmesburg, Philadelphia, Pa., would like the QRA of K4HFS and K4HHR, especially, and also these others: KA6FB, CE4BP, YS1HUB.

Phil's list of QSLers include: K4DTH, K4FOW, K4GPS, K4GZR, K5AT, K6RGV, K6SRZ, K7BUB, K7GNN, KA1CM, PY1IA, K6OJI, XE3X and XE1AG.

His Non-QSLers: CE1AB, 1AI, 1AO, 1AS, 3CG, 3CZ, 3DW, CX1AM, HC1FG, 2HP, HH2G, 2HB, 2X, 5CO, 5PA, HI2K, 3N, 6Q, K4EGZ, E1F, ENT, EZR, BTH, UG, KD4GYM, K6BAZ, GAS, IQN, ILCV, LEJ, MVV, PAS, SWV, YN1AP, AZ, IP, YV1AP, 1AQ, 1AV, 3AG, 4AE, 5ABE, 5ABY, 5AE, 5AK and 5AV.

Connie Sideris, 155 E. Fifth St., Oswego, N. Y., would like the YRAs of Art Cushen in Invercargill, N. Z.; Robert Newton of New Zealand; Alan Breen of Dunedin, N. Z.; Eric Butcher

in East Africa; Cyril S. Bolshan in Auckland, N. Z.; Mervyn Branks in Invercargill and some DXers in South and Central America. Can anyone help him out

For Glen Thormann from Rog Crabill: QRA of K6BUB is S. D. Bennett, KFAR, Fairbanks, Alaska.

For his excellent gesture in sending QSL cards for the SWLs and W hams who have not received them, we nominate CT1QA for the ham of the month and accord him this place of honor in Radex.

Over a year ago we corresponded for some time with CT1QA, who is Jayme Varela Santos. Jayme's new QRA he informed us over a year ago was R. Garcia Peres, 5, D, Setubal, Portugal. It is probable that mail will still reach him at the QRA.

However, at that time Jayme said he was unable to relate his work, since he was a lieutenant in the Portuguese army. The only thing he could tell about the war was that Portugal is neutral.

The CT hams, or course, have been off the air since hostilities in Europe began, but it is fairly certain that as soon as peace comes CT1QA will be back on the air, eager to talk to his many friends in the land of the W's.

SWLs will appreciate the return of Jayme to the air lanes, too, since he invariably QSLs.

Let us know if you have been called for service in the army under the selective service act. Edward Laudansky of Dorchester, Mass., left for Hawaii or the Philippines the last week in May for service in the army.

He said his rig was dismantled for shipment and he will let his Radex Club friends know where to reach him. In the meantime, all mail will reach him at his old QRA. All mail will be appreciated, too.

Strangely enough, the DX reports are better this time:

ALASKA—K7GNN verified with the prettiest card seen yet from the K7 country. The card is white, border is CW in red, call is red, a totem pole is red, outlined with black and small print in black. 7GNN runs 250 watts. He is ex-W6LQE, W7GNN. He appreciates SWL reports, QSLs, and his QRA is Jim Sherry, Chichagof Island, Alaska; K7BUB QSLs with a white card with blue print and an orange map—another pretty card. His QRA is BCB station KFAR K7HA1, whose QRA is Verne K. St. Louis, Ugashik, Alaska, was heard on 20 meters.

BRAZIL—PY2GS overheard in a QSO with CE1AO saying he was born and educated in Holland and is an electrical engineer. PY1IA QSLed with large cream card with blue call and border and likes to exchange photos.

CANAL ZONE—The slogan of K5AT is "The Cross Roads of the World," printed at the top of his red, white and blue card. The K5s favor ten meters—K5AC, K5AP, K5AT and K5AQ all heard there.

CHILE—In a QSO with CO2LY, CE1AO said that someone was pirating his call. 1AO also said he was a mining engineer.

CHINA—XU2MC now is on the air and is no other than our old friend Sergt. Johnnie Reber, formerly W3GDY in Harrisburg, Pa., and more recently KB6OCL in Guam. Reber is now located at the Marine Dept., American Embassy, Peking, China.

COLOMBIA—HK1PAA is the most popular ham on 20 meters, it seems. The op is an XYL and carries on many QDOs in English.

COSTA RICA—The TIs are strong on 20 but T12RC will positively NOT QSL, says Phil Bates. Others heard: 2LR, 2AM, 2JC and 6HP. While Juan R. Saborio, the op of T15JRS, is studying electrical engineering at Clemson College in South Carolina, T15JRS is being operated by his YL or XYL—we're not certain which.

CUBA—CO8MP, whose home is in Long Island, was heard to say that he would be back home in a couple of months. CO6AX in Santa Clara was heard one night in a cross-band QSO with T14NRH, the Cuban on 20 meters and the Costa Rican on 31.

DOMINICAN REPUBLIC — Because his station is closed due to conditions in the island republic, H15X now looks more favorably and has more time to send QSLs to the SWLs. So if you have ever logged him and never received his card, try him again with an IRC and report. His card is a tropical one, picturing a lake with a cart pulled by oxen. Palm trees line the street and the moon and stars shine brilliantly.

HAWAII—K6SRZ, who runs a kilowatt, verifies.

MEXICO—After calling CQ in vain on ten meters, XE28 was heard to announce that all SWLs listening send him a report and he would QSL. He gave his QRA as George Groene, Box 815, Tampico, Vera Cruz. He is ex-XE2AF and is the second op at XE2S. His frequency on 10 is 28,306 and SWLs should watch for him in the evenings on 7,280 kcs. XE1AG was glad to get a report and verified with a nice red and blue card.

PARAGUAY—ZP2AC and ZP5AC are rolling in nearly every evening on 20 meters. The former is Dr. Felipe Santiviago, Convencion 235, Asuncion, and 5AC is Ramon T. Cartes, Jr., 15 de Agosto 29 in the same city.

PORTO RICO—Phil Bates says that these K4S positively will NOT QSL so don't pick on them for a veri: ENT, UG, EJF, EGZ and GTH. K4DTH was heard on 20-meter CW asking for SWL reports.

SAN SALCADOR—Although YS stations are supposed to be down, a YS1HUB was heard saying he was in Salvador City. Anyone know about him?

URUGUAY—CX stations are rolling in for a change with CX3CI about the best. All districts heard.

VENEZUELA—About the only one heard lately is YV1AQ on 10 and 20

but he does not QSL.

VIRGIN ISLANDS — KB4HBX definitely QSLs—100 per cent for return postage so if you wrote him and didn't get his card try him again and remember the postage. No IRCs, because U. S. stamps are used there. Every SWL should have this card.

CHATTER — Many thanks, Phil Bates, for an A-1 report. Also thanks to Mel Fisher for the dope on the W7s... Bill Scott has his VAS on the ham bands and has heard all districts on 20, 40, 75 and 80-meter CW... Norm Kane, moving to a new address (315 Rolling Road, Springfield, Pa.), turned on the receiver and sandwiched K5AP in between moving a chair and laying a rug... Charlie Rogers should be looked upon with awe, for while the rest of us just wondered what to do about a QSL from Antarctica, he went calmly ahead and sent a report and veri request to "Byrd Antarctic Expedition, c/o Dept. of Interior, Washington, D. C.", and received a QSL postmarked Little America just 364 days later!!! Lucky guy!... He listens on a SKY CHAMPION... We'll be glad for those monthly reports, Al Pickering, and let's hope the bands open up this fall with a good many of the foreign stations now shut down, back on the air... V. C. Stasen says he's a lazy DXer—only DXes when he's in the mood... L. F. Stracener, Jr.—yes, send return postage with your QSL requests or the majority of hams will not answer your report. Also give a detailed account of the signal strength, time heard, signal quality, etc., and you'll find you'll get better results.

Well, DXers, this should take care of the first issue of the summer lull, but let's hope the season opens up early this fall.

W SECTION

Our old friend and steady reporter for this column for many years, Roger Crabill of Washington, D. C., has left the amateur ranks and joined the professionals—Rog is now W3JGJ.

Naturally, Rog will QSL to all



From SWL to Ham. Roger Crabill, Radexer, has just joined the ranks of the amateur operators. Here's his new QSL card.

SWLs, because he will remember for a long time the QSLs he asked for before he received his ticket. So, we wish Rog DX an enjoyable QSO's and present him with the honored first place in this month's "W Section."

W3JGJ—Roger Crabill, 116 Staples St., N.E., Washington, D. C.: Already Rog has worked 36 states despite an input of only 25 watts. A T21 oscillator is used.

Rog wants those reports both from hams and SWLs and would also like to correspond with owners and operators of S20 or S20R Sky Champion HALLICRAFTERS.

W1CBV—L. P. MacGown, R.F.D. 2, Bangor, Me.: Mr. MacGown is 35 years old and is service manager at the Sears Roebuck store in Bangor. He received his license in 1928 and has been on 20-meter cw and fone ever since.

MacGown keeps a card file of all QSLs sent and received. He answers all QSLs but very few SWL reports—and this sounds bad for the SWL—because postage is not enclosed. But he will QSL for the SWL if a good report and postage is sent.

W1CBV is the proud possessor of two WAC certificates, one for fone and one for CW. Attention, South Dakota and Montana amateurs. Mac needs each state for his WAS.

The transmitter has an input of 140 watts with this lineup: 6A6-807-pp 809s-6SJ7-6F6-pp 6L6s.

Everything on the two-element rotary beam that is used is home-made except the elements and the motor that turns the antenna. A small Stan-cor 20P transmitter operating on 10 and 75-meter fone is also sitting around the shack.

Mac has been married nearly three years.

W6MNX—Ralph W. Hull, 2010 Queensbury Rd., Pasadena, Calif.: One of the most active hams on the Pacific Coast, Mr. Hull is over 70 years old, but you wouldn't believe it to hear his smooth style on a straight key!

His layout, he says, is rather an old-fashioned one in light of the new tubes that have come out. The lineup is a 47xtal, 841-801-150T with 300 to 500 watts input. Receiver is a National FBXA with pre-selector. The antenna is a half-wave 40-meter Zepp beamed east-west.

Mr. Hull's pet peeve is the Mexican fones on 40-meters, especially on Sunday morning when a working man is free from business hours and wants to see what his key can contact.

He has never been on fone and doesn't want to be. CW is cleaner, he says, with far less interference for the other fellow.

"With a decent fist and brevity we can travel almost as fast as the spoken words with their everlasting repetition in order to put it over-hi-hi," he says.

A garage adjoins the shack of W6MNX, filled with tools—precision metal lathe, drill press, power saw, etc.

"The joy in building, and learning by mistakes, is far more permanent than just buying gadgets and reading about them," says this fan with certain viewpoint.

Despite his years Mr. Hull is active on the Y.M.C.A. gymnasium floor three times a week, keeping in trim. By training he is a pharmacist ("not the junk-drugstore type") but retired from business in Chicago and went to California where he has plenty of chances to get outdoors and enjoy the

redwoods and beautiful sea coast.

As for QSLing—OK for hams, but not for SWLs.

"Too many young fellows are making a collection hobby out of it without any regard for what trouble and expense they are causing the other fellow," he says. "They believe QSLing is nothing more than a stamp-collecting competition and have no intention of preparing for an amateur license."

So, SWLs, if you want the card of W6MNX, it will be up to you to convince him that you're out for that ticket.

Other W News

For embryo amateurs, W7IGZ sends code practice on 160-meters every Tuesday and Thursday from 2 to 4 p.m., Pacific Standard Time. An audio oscillator over a microphone is used.

The idea is to help someone receive his ticket a bit sooner. W7IGZ asks all listeners to write, telling of their code speed. In return W7IGZ sends a copy of the continental code.

The code teacher is a YL, incredibly enough, and really knows her code. She has been a commercial telegrapher in Chicago and England. She never uses an automatic key but can send 30 wpm on a straight key.

The address is Snohomish County Schools, Everett, Wash. The op of W7IGZ is "Cliff" Carpenter (info by Mel Fisher, West Coast editor).

W7FHM QSLs promptly with yellow card and black letters.... W9BNP in Lexington, Ky., will verify free to all who send in a correct report; he operates in 80-meter CW and 160-meter fone every evening; QRA: Sixth and Limestone Sts.... W9MRZ is in the Sanatorium at Third and Wilcus Avenues, Lexington, Ky., and will appreciate those cards and letters.

Here's a good story contributed by Norman H. Kane, Jr.: W3DOU, one of the more active 10-meter hounds, tells how he copied a W6 solid for a good long QDO.

Huh! That's nothing on 10 meters, you will say!

(Please turn to page 33)

Channel Chatter

By the Eastern and Western Editors

Standard broadcast news of the world presented in a new form to Radexers in hope that it will meet with immediate favor. The news is tabulated by frequencies and source of news is credited to Eastern readers (RE), to Western Readers (RW), to Ray La Rocque (RL), to Melvin Fisher (RF), to Owen Callin (RO), and official news is tagged (RX). Occasionally, when the news is of importance and value readers names are mentioned. However, it is suggested that readers turn to

FROM COAST TO COAST for full acknowledgment and credits for the best reports.

620 kcs.

(RE)—WAGE officially took the air on April 14th...TIPG's signal on 625 kcs. can occasionally be heard in the evening...WAGE has been heard announcing as Syracuse instead of Salina.

650 kcs.

(RE)—CX-6 on this frequency has been heard a few times behind WSM.

690 kcs.

(RE)—XEAC has a regular DX program for the URDXC every Monday from 2-2:15 a.m.

710 kcs.

(RW)—KIRO in Seattle, opened a new 50,000 watt transmitter in June.

720 kcs.

(RE)—TI4NRH in Heredia, on 725 kcs. can be heard on this channel occasionally, when WGN is not too strong...YV5RH in Caracas is no longer in operation and can be deleted.

730 kcs.

(RE)—XEDP in Mexico City is the most powerful Mexican signal heard in this country, according to many reports.

750 kcs.

(RE)—WSB, Atlanta's most powerful voice, comes on the air daily at 5:30 a.m.

790 kcs.

(RE)—Steve Mann reports that YV5RB is now using 10 kw. instead of 2 kw.

810 kcs.

CMHQ in Santa Clara seems to drown out WGY nightly throughout a greater part of the Eastern states.

830 kcs.

(RE)—TIEP on 825 kcs. in San Jose is very often the best heard of all the 830 kcs. stations.

860 kcs.

(RE)—XEUN, using 5000 watts, is a new Mexican station on this channel.

880 kcs.

(RE)—YV5RQ, "Radio Libertador" with 1000 watts in Caracas is a new station, information on which is through the courtesy of Steve Mann.

900 kcs.

(RE)—CHML in Hamilton comes on the air at 5:00 a.m. daily...CKBI in Prince Albert, Sask., is on the air until 1:30 a.m. or later.

920 kcs.

(RE)—CKNX, with increased power to 1000 watts in Wingham is now operating on this channel, having moved from 1230 kcs....WGST in Atlanta is on the air at 6 a.m....WJAR comes on the air at 7:30 a.m. every day...HJCS, the Columbian station on this channel, is being reported with strong signals by Radexer Koppelon.

930 kcs.

(RE)—WKY in Oklahoma City signs on the air now at 5:30 a.m. daily...WPAT, the new Paterson,

N. J. station officially opened on May 3rd. The transmitter is located in Clifton, next to the Bloomfield city line. Prior to opening, it was rumored that the studios of the old WODA would be remodeled for WPAT.

960 kcs.

(RE)—YV5RA, Caracas, according to Steve Mann, is now officially using 10000 watts.

980 kcs.

(RE)—Despite its listing as a daytime station, WTRY is being reported as broadcasting evenings as late as 10 p.m. Any information on this from readers in and around Troy?

1010 kcs.

(RE)—The battle between CMX and YV5RG on 1010 kcs. is an interesting one. Eastern readers find one station pounding in above the other, then at other times the condition is reversed...CFCN's signal is heard in the East after the sign off of both CMX and YV5RG. YV5RG, incidentally, is rated by many as the most easily heard South American station.

1040 kcs.

(RE)—HJ CZ in Columbia is still being heard until 11:30 p.m. daily on this channel, by Robert Koppelon.

1080 kcs.

(RE)—"The City of Roses", as Portland, Oreg. is called, is represented on KWJJ's verification card which has large block call letters in rose-pink... (RL). HHK at Logane, Haiti, is listed officially on this channel, but CBS in announcing the addition of HHW (1230 kcs.) to its roster of associated stations, claims HHW to be the only standard broadcast station in operation in Haiti.

1100 kcs.

(RE)—HJCB (1105 kcs.) in Colombia, says Bob Koppelon, is being heard regularly until 11:30 p.m.

1110 kcs.

(RW)—XEFO can be heard eve-

nings from 9-10:30 p.m. in Western states.

1120 kcs.

(RE)—Steve Mann reports that YV1RF can be heard almost daily coming on the air at 5:40 a.m.

1140 kcs.

(RX)—XENT on this frequency, according to a letter from the FCC, should be using much lower power on 1140 kcs., until it has completed erection of a new transmitter in the interior of Mexico—the new transmitter to be 50 kw. with a directional antenna with minimum signal aimed at WRVA. The commission is investigating ours and the claims of other listeners that XENT is still as strong as ever... A letter thanking Hal Robie for his report and acknowledging same was received in reply to a request for a veri from the BBC on their 1149 kcs. Overseas service.

1150 kcs.

(RE)—CKOC in Hamilton, Ontario signs on the air daily at 5:00 a.m.... YV1RD (1153 kcs.) in Maracaibo is reported to be coming on the air at 5:40 a.m., along with other station in the same city by Steve Mann.

1190 kcs.

(RE)—HJAN is undoubtedly the best heard of the Colombian stations and usually ruins WOWO's signal except in that station's own service area.

(RW)—XELO now interferes badly with station KEX.

1220 kcs.

(RE)—TIEP-2 (1225 kcs.) in San Jose, comes in nightly in some sections, with occasional interference from XEB... CHAB in Moose Jaw, Sask. can be heard daily until 2:20 a.m. This station verifies promptly.

1230 kcs.

(RE)—KGHI on 1230 kcs. in Little Rock is now operating until 2:00 a.m. every Sunday morning. WITH, Baltimore's 250 watter, can be heard every morning from 3-5:30 a.m....

KPOW in Powell, Wyoming, had their dedication program on March 31.

1240 kcs.

(RE)—KBIZ in Ottumwa, the new 100 watt station, began operations early in May. Wayne Hattchet, chief engineer, signs all verifications. Veri is in cream and blue and is very neat with the station's slogan being "Modern as Tomorrow".

1250 kcs.

(RE)—YVIRK, says our friend Steve Mann, "is the best heard of the Venezuelan stations which come on at 5:40 a.m."

1270 kcs.

(RO)—WSPR in Springfield, Mass. has assumed its full time schedule of operations since the change to 1270 kcs....HJAT, "Radio Barranquilla", is a new station first heard in January. This station verifies by airmail letter.

1280 kcs.

HJGK is occasionally heard in the evenings.

1290 kcs.

(RE)—WHLD in Niagara Falls operates from 7 a.m. to 7 p.m. daily and from 9 a.m. to 7 p.m.

1300 kcs.

(RE)—YV1RA in Maracaibo is now on this frequency. A change from 1500 kcs....Steve Mann reports them coming on the air daily at 5:40 a.m.

1320 kcs.

WNEL in San Juan, Puerto, Rico, verifies with a colorful verification card showing the "Coco Palms".

1330 kcs.

(RE)—KEAC on 1330 kcs. can easily be heard nightly after WEVD signs off....WHAZ is on the air Mondays only—from 6 p.m. to midnight. They verify by mimeographed form letter.

1340 kcs.

(RE)—WINX in Washington, D. C. is now broadcasting....KVIC on their government frequency check

1370 kcs.

(RE)—KDTH, the new 1000 watt voice in Dubuque, is undoubtedly on the air by now as it was scheduled for an April 15th inauguration. Stanley Beck, Chief Engineer, is anxious for reports from DXers....KDTH comes on the air at 5 a.m. and signs off at 1 a.m.

1390 kcs.

(RE)—KLPM never heard (Manitoba) before re-allocation, can now be depended upon for regular reception.

1400 kcs.

(RE)—Holyoke's WHYN is now beginning its broadcast day at 6:30 a.m....WATL in Atlanta comes on at 5:55 a.m....KYAN ceased operating and sold its equipment to KFBC (1450 kcs.) in the same city which now becomes Cheyenne's only broadcaster....WSLB in Ogdensburg, N. Y., conducts its frequency check from 3:40 - 3:55 a.m. on the second Monday of the month....WKMO in Kokomo, Ind. was heard during its pre-inaugural tests during the week of April 4th....One of Galveston's major industries, fishing and crabbing off the shore of the South Jetties, is pictured on the verification card of KLUF....WHKY in Hickory, N. C. can be heard coming on the air each morning at 5:40 a.m....KVFD in Fort Dodge, Iowa, appears to be on the third Monday from 2:30 - 3 a.m., although it can be heard almost any morning at that time.

1420 kcs.

(RE)—WFCI in Pawtucket, the new station in these parts, opened May 1st, and maintains a schedule which covers only the hours from 6:55 a.m. to 1 p.m., making it a difficult catch for the distant fan....WWSR has taken the air officially, and the former WQDM in St. Albans, is now deleted in Vermont.

1430 kcs.

(RE)—WARD, WBBC, WLTH, and WVFW have consolidated and a new station, call letters WBYN is the result.

1450 kcs.

(RE)—WMAS is on the air daily at 1 a.m.... WRLC in Toccoa commenced its tests along about April 25th, which means that it is now on the air.... WNAB in Bridgeport, Conn., contrary to some DX reports, is not on the air as yet, and doesn't expect to be until August 1st.... WWDC, the new Washington station, is now in operation.

(RW)—KFMB began operations about June 1st.

1480 kcs.

(RE)—WAGA in Atlanta comes on the air at 6 a.m.

1490 kcs.

WKBB in Dubuque, Iowa comes on the air at 5:30 a.m. and continues until 1 a.m. the following morning. If any DXer living more than 300 miles from Dubuque has heard WKBB, will he kindly drop a line with particulars to Len Kruse, 1316 Garfield Ave., Dubuque, Iowa?

1570 kcs.

(RX)—XEAW was formed to move off of 1010 kcs. and take up its assigned frequency of 1570 kcs., and is operating with reduced power (signal is much weaker than ever) until such time as its new directional antenna and transmitter is completed.... XEAW's new station will also be located farther into Mexico.... CFPI in London is not being heard very well on their new channel, perhaps due to the fact that their new 1000 watt equipment is not yet in use.

Ham Hounding

(Continued from page 29)

But—the W6 forgot to turn on the plate voltage and was operating on 1½ watts with the tube filaments as antenna.

"I've heard of getting out on next to nothing but this is the first time I've ever experienced it," said the W6.

Eugene Allen of Berkeley, Calif., in his quest for a VAS, has this to report:

Stations who verified: W-EMB, 1HJ1, 1JFG, 1MCX, 3GSV, 3EQK, 4AZT, 4EUZ, 5GGX, 7HEY, 8EQZ,

8CBK, 9AKJ, 9DVL, 9EJG and 5FDT.

Those who did not verify for return postage: 1BEQ, 1FMP, 4CYU, 4DEO, 5GSY, 9YQN, 9BOF and 9CSB.

Old Issues Available

Nearly all issues of Radex from 1931 until 1940 are available at the new reduced price of ten cents each, sent postpaid.

Following are some selected back numbers:

The Oceania Broadcasting Stations, Sept. '38.

Tuning South Pacific Stations, Tuning South Americans, and a list of South American Broadcasting Stations, Oct. '38.

This Hobby Called DXing, the International Prefixes, the QSA and R Codes, Jan. '39.

Stations of New Zealand, April '39.

The 1940 Issues

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.

Nov.-Dec. Proposed Reallocations and their Effect; Commencing a new complete list of the World's Radio Stations, frequencies 1600 to 2490; this list includes the police stations of North America.

The Shortwave Stations

All known broadcasting stations in the world from 2000-22000 kcs. are listed in the following indices by frequencies in kilocycles. Whenever known, official schedules are given, otherwise brief comments as to when the station is best heard or other factors which help identify it are listed. An asterisk (*) denotes that information used is unconfirmed and that more data on this station is desirable. Abbreviations used: mid. for midnight, ex. for except; days of the week are abbreviated by using the first two letters, i.e. Su. for Sunday. All time unless otherwise stated is for daily operation and schedules are shown in Eastern Standard Time.

In conjunction with a drive to maintain this newly revised listing as up-to-date, and as accurate as possible, we are inaugurating a method of listing the names of the readers who have contributed most to the maintenance of this index. Reporters participating will be awarded one point for each correction or change they report, and in the case of a new station four points will be awarded if the reader can supply the call, frequency, location, and official schedule. Date your reports, as only the first report will score; all others will be disregarded unless they supply some new information not previously revealed. State also that your report is for the RADEN SHORTWAVE REPORTERS LIST, or it may be confused with ordinary reader reports. This is not a contest, but merely a means of keeping our listings fresh and of awarding credit to the readers who keep it so.

2000 kcs. band

2480 TGWC Guatemala City, Guat. 5:15 p.m. to 12:15 a.m.

3000 kcs. band

3300 YV1RJ	Coro, Venezuela	"Radio Falcon"
3305 VUC-2	Calcutta, India	10:30 a.m. to noon
3310 YV4RX	Maracay, Venezuela	"Radio Marconi"
3340 YV1RO	Trujillo, Venezuela	"Radio Trujillo"
3350 YV5RS	Caracas, Venezuela	"Radio Libertador"
3365 VUB-2	Bombay, India	9 a.m. to 12:15 p.m.
3370 YV1RT	Maracaibo, Venezuela	"La Voz de la Fe"
3380 YV5RY	Caracas, Venezuela	"Radio Continente"
3400 YV5RW	Caracas, Venezuela	"Radio Tropical"
3410 YV3RX	Barquisimeto, Ven.	"Radio America"
3420 YV3RC	Merida, Venezuela	"La Voz de la Sierra"
3430 YV5RX	Caracas, Venezuela	"La Voz de la Patria"
3435 VUM-2	Madras, India	8:30 a.m. to noon
3440 YV1RU	Maracaibo, Venezuela	"Radio Maracaibo"
3450 YV6RC	Barcelona, Venezuela	"Emisora del Estado"
3460 YV4RP	Valencia, Venezuela	"Radio Valencia"
3480 YV5RQ	Puerto Cabello, Vene.	
3480 XZZ	Rangoon, Burma	9:00 a.m.
3490 CR7AB	Lourenzo, Marques, Mozambique	
3490 YV3RF	Acarigua, Venezuela	"La Voz del Llano"
3495 VUD-2	Delhi, India	8:45 a.m. to 12:15 p.m.
3500 YV5RV	La Guaira, Venezuela	"Emisora Vargas"

4000 kcs. band

4273	.... Khabarovsk*, U.S.S.R.	4:30-6 p.m., 6:30-7:30 a.m.
4700	ZQI Kingston, Jamaica	5:30-6:30 p.m.
4750	YV1RV Maracaibo, Venezuela	"Ecos del Zulia"
4760	YV4RO Valencia, Venezuela	"La Voz del Carobobo"
4770	YV1RY Coro, Venezuela	"Radio Coro"
4780	YV3RN Barquisimeto, Vene.	"Radio Barquisimeto"
4790	YV6RU Ciudad Bolivar, Vene.	"Ecos del Orinoco"
4800	YV1RX Maracaibo, Venezuela	"Ondas del Lago"
4810	YV1RL Maracaibo, Venezuela	"Radio Popular"
4820	YVO Maracaibo, Venezuela	Government station
4825	HJED Cali, Columbia	7 a.m. to 1 p.m., 7-10:30 p.m.
4830	YV3RN San Cristobal, Vene.	"La Voz del Tachira"
4840	VUC-2 Calcutta, India	6:30-10:15 a.m.
4840	YV1RZ Valera, Venezuela	"Radio Valera"
4845	HJCD Bogota, Colombia	6-11 p.m.
4855	HJCF Bogota, Colombia	7 p.m. to midnight
4860	YV5RU Caracas, Venezuela	"Ondas Populares"
4865	HJFK Pereira, Colombia	6-10:30 p.m.
4870	PRC-5 Belem, Brazil	until 8 p.m.
4785	HJFH Armenia, Colombia	8-11 a.m., 6-10 p.m.
4880	VUB-2 Bombay, India	6:30-8:45 a.m.
4885	HJDP Medellin, Colombia	8 o.m. to 2 p.m., 6-11 p.m.
4890	HJGD Bucaramanga, Colombia	5:30-6:30 a.m., 6-11 p.m.
	YV5RM Caracas, eVenezuela	"Radiodifusora Venezuela"
4895	HJCH Bogota, Colombia	11:30 a.m.-2 p.m., 6-11 p.m.
4900	YDA Batavia, Java	5:30 a.m.
4905	HJAB Barranquilla, Colombia	11 a.m.-11 p.m. Sun. till 8 p.m.
4920	VUM2 Madras, India	5:30-8:15 a.m.
	YV5RN Caracas, Venezuela	"Radio Caracas"
	ZOY Accra, Gold Coast	rarely heard here
4945	HJCO Barranquilla, Colombia	7:30-10 p.m.
4950	.... Caracas, Venezuela	"Radiofusora Nacional"
4960	VUD2 Delhi, India	6:30-8:30 a.m.

5000 kcs. band

5045	PMY Bandoeng, Java	5:30 a.m. to noon
5050	HJAE Cartagena, Colombia	
5460	YNOP Managua, Nicaragua	8:30-9:30 p.m., Sun. 2-3 p.m.
5750	YNJAC Leon, Nicaragua	evenings
5830	TIGPH San Jose, Costa Rica	7-10 p.m.
	TIX San Jose, Costa Rica	10 p.m. to midnight
5875	HRN Tegucigalpa, Honduras	6-11 p.m.
5885	TGX-1 Guatamala City, Guat.	8-11:30 p.m.
	HI9B Santiago, Domin. Rep.	6-11 p.m.
5900	ZNB Mafeking, British Bechuanaland	6-7 a.m., 1-2:30 p.m.
5936	PJC1 Willemstad, Curacao	6:36-8:36 p.m., Sun. 10:30-12:36 p.m.
5940	HH2S Port-au-Prince, Haiti	10-10:30 p.m.*
	OAX2A Trujillo, Peru	Tu., Th., Sa., Su., 7-10 p.m.
5960	HI1I San Pedro, Domin. Rep.	11:40 a.m.1:40 p.m., 6-8:30 p.m.
5970	VONH St. Johns, Nfld.	5-10 p.m.
5977	CS2WD Lisbon, Portugal	3:30-6 p.m.
5985	T17RVM Guanacta, Costa Rica	9:30-10 p.m.*

5990 ZEA Salisbury, So. Rhodesia	Su. 3:30-5 a.m.
6000 kcs. band	
6005 HP5K Colon, Panama	7-9 a.m., 11:30 a.m.-1 p.m., 6-11 p.m.
XEBT Mexico City, D. F.	10 a.m.-1:45 a.m.
... Moscow, U.S.S.R.	3:30-4 p.m.
6007 XYZ Rangoon, Burma	6:30-10 a.m., 9-11 p.m.,
ZRH Capetown, U. of So.	Su. 9:30-11:30 p.m.
Africa	10:45 a.m.-3 p.m.
6010 CFCX Montreal, P. Q.	7:45 a.m.-1 a.m., Su. 9 a.m.-11:15 p.m.
CJCX Sydney, Nova Scotia	7 a.m.-1:30 p.m., 4-8:30 p.m.
PRA8 Recife, Brazil	4-9 p.m.
OQ2AA Leopoldville, Bel. Con.	5:55-7:45 a.m., 1:55-2:45 p.m.
6017 HI3U Santiago, Dominican Rep.	7:10-8:5 a.m., 11:40 a.m.-1:40 p.m.,
HJCX Bogota, Colombia	4:40-6:40 p.m., Su. 12:30-2 p.m.,
6020 DJC Berlin, Germany	5-6 p.m.
XEUW Vera Cruz, Mexico	9-11:30 p.m.
6030 CFVJ Calgary, Alberta	daily to many continents
RV96 Moscow, U.S.S.R.	7 a.m. to 1 a.m.
CR7AA Lourenzo Marques,	10 a.m.-2 p.m.
Mozambique	1-7 p.m., 8:30-9 p.m.
DXP Berlin, Germany	4:50-7:30 p.m., 8-11 p.m.,
XEKW Mexico City, Mexico	11:05 pm.-1 a.m.
6033 HP5B Panama City, Panama	late evenings
6040 WRUL Boston, Mass.	10:30 a.m.-2 p.m., 6-10 p.m.
6045 XETW Tampico, Mexico	5:30-8:30 p.m., Su. 2-9 p.m.
6050 GSA London, Gt. Britain	7 p.m.-1 a.m.
HP5F Colon, Panama	variable schedule
OAX6A Arequipa, Peru	7-9 p.m.
6055 HJFA Pereira, Colombia	9:45-10:30 p.m.
6060 WCAB Philadelphia, Pa.	9 a.m.-noon, 6:30-10 p.m.
WLWO Cincinnati, Ohio	5:15-6 p.m., 6:05-7:53 p.m.
YDD Bandoeng, Java	at 5:30 a.m.
6070 CFRX Toronto, Ont.	7 a.m.-12:30 a.m., Su. 10 a.m.-11 p.m.
6075 GRR London, Gt. Britain	1 a.m.-6 p.m. "Home Service"
6080 CKFX Vancouver, B. C.	6-9 p.m.
CRY9 Macao (nr. China coast)	Mo. at 7 a.m.
6085 VUD3 Delhi, India	11:15-11:45 a.m.
6090 CRUX Toronto, Ont.	6:45 a.m.-4 p.m., Su. 9:30 a.m.-11 p.m.
KZRH Manila, Philippines	4-11 a.m.
XEBP Jalapa, Mexico	8-9:30 p.m.
ZBW2 Hong Kong	
ZNS2 Nassau, Bahamas	8-9 a.m., 3-4 p.m., 7-9 p.m.
6095 JZH Tokyo, Japan	
6097 ZRJ Johannesburg, U. of So.	3-7 a.m.
Africa	
6100 WNBI New York, N. Y.	8:45 p.m.-1 a.m.
KZRC Cebu City, Philippines	7-8 a.m.
6110 CP2 La Paz, Bolivia	4 p.m. to midnight
GSL London, Gt. Britain	9:30-11:35 p.m.
XEGW Mexico City, Mexico	11 p.m.-1 a.m.

6112 HI6H Trujillo, Domin. Rep.	5-8:30 p.m.
6115 Khabarovsk*, U.S.S.R.	6:30-7:30 a.m., 4:30-6 p.m.
6116 Saigon, Fr. Indio China	12:15-12:45 a.m., 6-10:15 a.m.
6117 XEUZ Mexico City, Mexico	9 a.m.-1 p.m., 7 p.m.-2 a.m.
6120 WCBX New York, N. Y.	10 p.m.-mid.
6122 HP5H Panama City, aPnama	6-10:30 p.m.
6125 MTCY Hsingking, Manchukuo	7:30-9:30 a.m.
6130 CHNX Halifax, N. S.	6:45 a.m.-11:15 p.m., Sa. 7 a.m.-11:15 p.m., Su. noon-11 p.m.
HS4PJ Bangkok, Thailand	8-10 a.m.
TIEM San Jose, Costa Rica	11 a.m.-11 p.m., Su. 10 a.m.-10 p.m.
VLW Perth, Australia	
VP3BG Georgetown, B. Guiana	6-6:30 a.m., 10:45-11:30 a.m., 2:15-2:45 p.m., 3:40-7:15 p.m.
6135 FK8AA Noumes, New Caledonia	2:30-3:30 a.m.
6137 CR7AA Lourenzo Marques, Mozambique	mid.-1 a.m., 4:30-6:30 a.m., S. 5-7 a.m., 10 a.m.-1:15 p.m.
6140 OQ2AA Leopoldville, Belgian Congo	Su. 5:30-7 a.m.
KZRF Manila, Philippines	4:30-11 a.m.
6145 GRW London, Gt. Britain	BBC Home Service at 8:15 p.m.
6148 ZRD Durban, U. of So. Africa	12:45-2:45 a.m.
HJDE Medellin, Colombia	9:30 a.m.-1 p.m., 5-11:30 p.m.
YSW San Salvador, S1 Salvador	7-9:15 p.m.
6152 HI5N Moca, Dominican Rep.	6:40-9:10 p.m.
6150 CJRO Winnipeg, Manitoba	3:30 p.m.-1:30 p.m.
6155 EQS Iran*	"Radio Suisse", 4-4:30 p.m.
...., Switzerland*	6:30 a.m.-11 p.m.
6160 CBFW Vercheres, P. Q.	until 11:30 p.m.
HJCD Ueuva Granada, Colom.	11:35-12:40 a.m.
6165 HER-3 Schwarzenberg, Switz.	mid.-2 a.m.
6170 WCBX New York, N. Y.	
ZHP-2 Singapore, St. Settlements	6:30-9:30 a.m.
6180 LRA-2 Buenos Aires, Argentina	6-9 p.m., Sa., Su., 7-9 p.m.
XXA Mexico City, Mexico	8-11 a.m., 2:30-4 p.m., 7:30 p.m.-12:45 a.m.
6185 TIRCC San Jose, Costa Rica	Tu., Th., Sa. 6-7 p.m., Su. 8-10 p.m.
6190 HI1A Santiago, Domon. Rep.	10:40 a.m.-1:0 p.m., 6:40-9:40 p.m.
HVJ Vatican City	Su. 8:30-9 a.m., Su., We., 9-10:30 p.m.
KGEI San Francisco, Calif.	mid.-3 a.m.
WGEA Schenectady, N. Y.	until 11 p.m.
.... Saigon, Fr. Indo China	"Radio Saigon" 6-7:30 a.m.
6193 TG2 Guatamala City, Guat.	7:30-10 a.m., 6-11:30 p.m.
6195 HI2D Trujillo, Domin. Rep.	5:10-7:10 p.m.
6200 CP5 La Paz, Bolivia	6:30-11 p.m.
CS2WD Lisbon, Portugal	3-6 p.m.
HI8Q Trujillo, Domin. Rep.	
6205 OAX3A Huanuco, Peru	after 11 p.m.
6233 HRD La Ceiba, Honduras	8-11 p.m., Sa. 8 p.m.-1 a.m., Su. 4-6 pm.
6245 HI1N Trujillo, Domin. Rep.	5:10-10:10 p.m.
6255 CPI2 La Paz, Bolivia	7-9 p.m.
6280 HI1G Trujillo, Domin. Rep.	6:40-8:40 a.m., 11:40 a.m.-2:10 p.m., 3:40-9:40 p.m.
6300 OAX4G Lima, Peru	6 p.m.-midnight

- 6310 HI1Z Trujillo, Domin. Rep. 11:40-a.m.-12:40 p.m., 5:10-7:40 p.m.,
ex. Su.
- 6330 COCW Havana, Cuba 7:55 a.m.-12:15 a.m., Su. on 9:55 a.m.
- 6335 OAX1A Ica, Peru 8-11 p.m.
- 6340 HI1X Trujillo, Domin. Rep. 8:10-10:10 p.m., Su. 7:40-9:40 a.m.
- 6345 HH3W Port-au-Prince, Haiti 7-9 p.m., Su. 5-8 p.m.
- 6380 TIWS Puntarenas, Costa Rica 5-7, 7:30-10 p.m., Su. 5-6 p.m.
- 6384 ZIZ Basseterre, St. Kitts 4-4:45 p.m., We. 7-7:30 p.m.
- 6395 HI9B Santiago, Domin. Rep. 7:40-8:40 p.m.
- 6396 COX-7 Havana, Cuba 2-3, 6-10:30 p.m., Fr. 8-11 p.m.,
Sa. 8 p.m.-1 a.m., Su. 7:30 a.m.-3 p.m.
- 6400 TGQA Quetzaltenango, Guat. Mo. only
- 6430 HI1S Santiago, Domin. Rep. 5:40-9:10 p.m., ex. Su.
- 6455 COHI Santa Clara, Cuba 6:42 a.m.-12:15 a.m.
- 6480 TGWB Kuatamala City, Guat. 7:45-9 a.m., 12:45-3:45 p.m.,
& 7:30 p.m.-12:15 a.m.
- 6500 HILLSantiago, Domin. Rep. 5:30-9:30 p.m., ex. Su.
- 6540 YN-GG Managua, Nicaragua 1-2:30, 8-10 p.m.
- TIRCC San Jose, Costa Rica Noon-2 p.m., 6-7 p.m., Th. 6-11 p.m.,
Su., 11 a.m.-2 p.m., 6-9 p.m.
- 6558 HI4D Trujillo, Dominican Rep. 12:30-2, 6-8 p.m.
- 6565 HI5P Puerto Plata, Domin. Rep. evenings.
- 6575 YSPB San Salvador, El Salvador 5:40-7:40, 9:40-11:40 p.m.
- 6610 YNLG Managua, Nicaragua 1:30-2:30, 6-10:15 p.m.
- 6630 HIT Trujillo, Dominican Rep. 12:40-1:40 p.m., 4:40-8:40 p.m.,
Sa. 10:40 p.m.-12:40 a.m.
- 6635 HC2RL Guyaquil, Ecuador Su. 5:45-7:45 p.m., Tu. 9:15-11:15 p.m.
- 6675 HBQ Geneva, Switzerland Su. 1:45-2:45 p.m.
- 6695 TIEP San Jose, Costa Rica 7 p.m.-mid.
- 6720 PMH Bandoeng, Java 4:30-11:30 a.m., Sa. 8:30 p.m.-1 a.m.
- 6730 HI3C La Romana, Domin. Rep. 4:55-8 p.m.
- 6800 PZH Paramaribo, Suriname Su. 8:40-10:40 a.m., Tu. & Fr. 5:40-
8:40 p.m.
- 6810 HIH San Pedro, Domin. Rep. 7-9:40 p.m., Su. 5:20-6:40 p.m.
- LRA2 Buenos Aires, Argentina 6-9 p.m.
- 6847 YNOP Managua, Nicaragua 8-9:30 p.m., Su. 2-3 p.m.
- 6850 YNOW Managua, Nicaragua 8-10:10 p.m.
- 6900 HI6H Trujillo, Dominican Rep. 7:40-8:40 p.m.
- 7000 kcs. band**
- 7010 XPSA Kweiyang, China 5:30-11a.m., 5-6 p.m.
- 7065 GRS London, Gt. Britain BBC Home Service, heard 1 a.m.
- 7090 . . . Tangiers, Africa "Radio Falange" at 1 p.m.
- 7100 FO8AA Papeete, Tahiti Tu. & Fr. 11 p.m.-mid.
- 7150 GRT London, Gt. Britain BBC Home Service—till 10:15 p.m.
- 7170 CR6AA Lobito, Angola Mo., We. & Sa. 2:45-4:30 p.m.
- 7210 . . . Salisbury, So. Rhodesia
- VUC2 Calcutta, India 9:30-11 p.m.
- 7220 I2RO-11 Rome, Italy 8-10 p.m.
- 7230 GSW London, Gt. Britain
- 7240 VUB2 Bombay, India 9:30-11:30 p.m.
- 7250 ZHP3 Singapore, St. Settlements
- 6:30-9:40 a.m.
- YDA Tandjonkpriok, Java 10:30 p.m.-2 a.m., Sa. 1:30-2 a.m.
- 7258 JWV Tokyo, Japan 2-4 p.m.

7266 CSW8 Lisbon, Portugal	Tu., Th., Sa., 5-6 p.m.
GSU London, Gt. Britain	
7270 DXM Berlin, Germany	
7290 DJI Berlin, Germany	5-5:15 a.m.
VUD-2 Delhi, India	9:30 p.m.-mid.
7295 JIE Taiwan	9-10:30 a.m.
7310 I2RO19 Rome, Italy	8-10:30 p.m.
7380 XECR Mexico City, Mexico	Su. 6-7 p.m.
7410 HCB4 Quito, Ecuador	7-9:30 p.m.
7440 EG8AA Pointe-a-Pitre, Guade.	6-7 p.m., Su. 9:30-11 a.m.
7450 T12RS San Jose, Costa Rica	7-11 p.m.
7490 YN2FT Granada, Nicaragua	8-10 p.m.
7520 KKH Kahuku, Hawaii	Sa., Su. 8:30-9 p.m.
RKI Moscow, U.S.S.R.	7-8 p.m.
7620 YNLAT Granada, Nicaragua	8-10:15 p.m.
7660 YNDG Leon, Nicaragua	8:30-9:30 p.m.
7797 HBP Geneva, Switzerland	
7854 HC2JSB Guyaquil, Ecuador	11 a.m.-2 p.m., 4-11 p.m.
7865 SUX Cairo, Egypt	12:30-1:30 p.m., also at 7 p.m.
7894 YSD San Salvador, El Salvador	7-10:30 p.m.
7930 PSL Rio de Janeiro, Brazil	6-7:05 p.m.
7968 HSP6 Bangkok, Thailand	7-11 a.m.
8000 kcs. band	
8030 FXE Beirut, Lebanon	"Radio Levant" 12-12:30 a.m.
8200 PSK Rio de Janeiro, Brazil	5:45-7 p.m.
8480 XPSA Kweiyang, China	at 4:00 a.m.*
8580 YNPR Managua, Nicaragua	7:45-10:30 p.m.
8585 YNRS Managua, Nicaragua	until 10:45 p.m.
8700 COCO Havana, Cuba	7:50 a.m.-12:50 a.m.
8830 COCQ Havana, Cuba	7:30 a.m.-mid.
8960 TPZ2 Algiers, Algeria	1:30-2:30 p.m., 4-6 p.m.
COKG Santiago, Cuba	5-9:50 p.m.
9000 kcs. band	
9030 COBZ Havana, Cuba	7:45 a.m.-mid., Su. 7:45 a.m.-1 a.m.
9045 Syria*	"France Libre d'Orient" at 9:30 a.m.*
9125 HAT4 Budapest, Hungary	7-8:0 p.m., Sa. 6-7:30 p.m.
9190 HC2ET Guyaquil, Ecuador	8-10 p.m., Su. 8:30-10:30 p.m.
9200 COCX Havana, Cuba	8 a.m.-mid.
9230 COCY Havana, Cuba	noon-midnight
9285 HBL Geneva, Switzerland	Mo., We. 8:45-10:15 p.m.
9295 H12G Trujillo, Dominican Rep.	6:40-8:40 a.m., 11:40 a.m.-2:10 p.m., 3:40-4:40 p.m.
9340 OAX4J Lima, Peru	Noon-3 p.m., 5 p.m.-mid.
9375 COBA Havana, Cuba	7 a.m.-mid., Su. 7 a.m.-10:30 p.m.
9380 HC2AK Quito, Ecuador	Sa. 8-11 p.m.
9395 Dakar, Fr. West Africa	3:15-4 p.m.
9440 OAX5C Ica, Peru	7-11:30 a.m.
COCH Havana, Cuba	6:40 a.m.-mid.
9445 HCODA Guyaquil, Ecuador	8:15-10:15 p.m., ex. Su.
9448 YUG Belgrade, Yugoslavia	12-12:45 a.m.
9450 GRU London, Gt. Britain	
OAX6D Arequipa, Peru	evenings
9465 TAP Ankara, Turkey	9-10 a.m.

9475 VONG St. Johns, Nfld. 9 a.m.-2 p.m.
 9492 KZIB Manila, Philippines 10 a.m. and 6-11 p.m.
 9500 OFD Helsinki, Finland 1:15 p.m.*
 XEWX Mexico City, Mexico 7:45 a.m.-12:45 a.m.
 XGOY Chungking, China around 7 a.m.*
 9505 CP-2 La Paz, Bolivia 4 p.m.-mid.
 JL.G2 Tokyo, Japan 2-5:30 p.m.
 YUD Belgrade, Yugoslavia 11:20 a.m.-4:30 p.m., 8-9 p.m.
 9510 GSB London, Gt. Britain 9:45-11:35 p.m., mid.-3:15 a.m.*
 HS8PJ Bangkok, Thailand 7-10 a.m., ex. Mo.
 9517 XEDQ Guadalajara, Mexico 1 p.m.-mid.
 9520 RV96 Moscow, U.S.S.R. 10-11 a.m.
 9523 ZRG Roberts Heights, S. A. 5:15-9, 11 a.m.-noon, Su. 6-9 a.m.,
 10:40 a.m.-1:30 p.m.
 9525 DXY* Berlin, Germany daytimes*
 ZBW3 Hongkong, China 5-10 a.m., 11:30 p.m.-1:15 a.m.,
 Su. 5-9:30 a.m.
 9530 WGEO Schenectady, N. Y. 3-6 p.m., 6-11:45 p.m.
 9535 JZI Tokyo, Japan 7:30-8:30 p.m.
 9538 VPD2 Suva, Fiji Islands 5:30-7 a p.m., ex. Su.
 9540 DJN Berlin, Germany 12:05-2:30, 9:3-11 a.m., 4:55-10:50 p.m.
 9545 MTCY Hsingking, Manchukuo at 10 a.m.*
 9550 OQ2AA Leopoldville, Belg. Con. 5:55-7:45 a.m. & 1:55-2:45 p.m.
 VUR-2 Bombay, India 2-3:55 a.m. a.m.
 WGEA Schenectady, N. Y. 6:15-9:15 p.m.
 YDB Soerabaja, Java at 10:30 a.m.1
 HVJ Vatican City Su. 5-5:30 p.m., 8:30-9:45 p.m.,
 We. 2:30-3 p.m., Th. 8:30-9:45 p.m.
 9556 OAX4T Lima, Peru 7-8, 11:30 a.m.-1:30 p.m.
 XEFY Vera Cruz, Mexico 7:30 p.m.-mid.
 9560 XEFA Monterrey, Mexico 10 a.m.-midnight
 VLW2 Perth, Australia 8:10-9:45 a.m., 1-1:45 p.m.
 9565 Khabarovsk, U.S.S.R. 6:30-7:30 a.m., 4:30-6 p.m.
 9570 CXA2 Montevideo, Uruguay 11 a.m.-4 p.m., 4:30-9:30 p.m.
 KZRM Manila, Philippines 4:25-10:30 a.m., ex. Su.
 VUM2 Madras, India 3-4:30 a.m.
 WBOS Boston, Mass. evenings
 9580 GSC London, Gt. Britain 2:30-5:25 p.m., 5:43-11:35 p.m.
 VLR Melbourne, Australia 2:30-9, 9-9:30 a.m.
 9590 WLWO Cincinnati, Ohio 1-3:30 a.m.
 VUD2 Delhi, India 6:30-11 a.m.
 VUD3 Delhi, India 12:30-4:30 p.m., 5-6 p.m.
 9595 Athlone, Ireland 8-11:30 p.m.
 9600 CB96O Santiago, Chile 2:30-5:25 p.m.
 GRY London, Gt. Britain 3-7 a.m., 8:30-9 p.m.
 RAN Moscow, U.S.S.R. 7-8 a.m., noon-1:30 p.m., 6:30-10:30 p.m.
 9607 HP5J Panama City, Panama 7 p.m.-1 a.m.
 9610 DXB Berlin, Germany 2-2:30 a.m., 3:25-4:25 a.m., 2-3:30 p.m.
 9615 VLO Sydney, Australia 7-9:30 a.m., 12-2, 6-11:30 p.m.
 9620 TIPG San Jose, Costa Rica afternoon and early evening
 Y Paris, France 10:30 a.m.-1:30 p.m., 3:30-9:30 p.m.
 9625 CXA6 Montevideo, Uruguay 6-11 p.m.
 9630 HJCT Bogota, Colombia 1-2 a.m., 12:07-2:35 p.m., 4:15-4:45
 I2RO3 Rome, Italy and 6-9 p.m.

JJFO	Taihoku, Taiwan	4-10:30 a.m.
9635	KZRH Manila, Philippines	4-11 a.m.
9636	VPD-2 Spva, Fiji Islands	12-12:30 a.m., 3:30-8 a.m.
9640	CXA-8 Colonia, Uruguay	5 a.m.-10:45 p.m., Sa. to 1 a.m.
9645	LLH Oslo, Norway	9-10 p.m.
	XGOY Szechwan, China	1-3, 8-9:30 a.m.
9650	CR7BE Lourenzo Marques, Mozambique	7-8 a.m., 2-3 p.m.
	DJW Berlin, Germany	3:15-4:30 a.m.
	HVJ Vatican City	Su. 5-5:30 a.m., 8:30-9:45 p.m., Th. 8:30-9:45 p.m.
	WCBX New York, N. Y.	3-5 p.m.
9660	LRX Buenos Aires, Argentina	5:30-6:45 a.m., 10:15 a.m.-11 p.m.
	HHBM Port-au-Prince, Haiti	7-8:30 a.m.
9665	.... * Rome, Italy	1-6:30 and 7-9:30 p.m.
9670	WRCA New York, N. Y.	4 p.m.-1 a.m.
9675	I2RO-18 Rome, Italy	8-10:30 p.m.
	DJX Vienna, Germany	10:40 a.m.-4:25 p.m.
	.... Saigon, Fr. Indo China	7:30-9:45 a.m.
9680	VLQ5 Sydney, Australia	7:20-8:05 a.m.
	XEQQ Mexico City, Mexico	5 p.m.-1 a.m.
9685	TGWA Guatamala City, Guat.	10 p.m.-12:15 a.m., Su. 7 p.m.-mid.
9690	LRA-1 Guenos Aires, Argentina	10:30 a.m.-1 p.m., 2:30-3:30 p.m., 4-9 pm.
	GRX London, Gt. Britain	
	ZHP1 Singapore, St. Settlements	till 9:40 a.m.*
9695	JIE3 Tyureki, Taiwan	at 9:30 a.m.*
9696	TI4NRH Heredia, Costa Rica	Tu., Th., Sa. 9-10 p.m., Su. 7-8 p.m.
9703	.... Fort de France, Martinique	6-8:10 p.m.
9710	CR7BE Lourenzo Marques, Mozambique	2-4 p.m.
	HJCF Bogota, Colombia	7-11 p.m.
9720	XGOA Chungking, China	around 7 a.m.*
9730	CB970 Valparaiso, Chile	7 a.m.-11:30 p.m.
	HJFK Pereira, Colombia	7-9 a.m.
9740	CSW7 Lisbon, Portugal	Tu., Th., Sa. 3:40-4 p.m., daily
9760	I2RO18 Rome, Italy	4-5:30 p.m., 5:45-8 p.m.
9775	ZRO	9-10:30 p.m.
9780	HNF Baghdad, Iraq	2:40-4 p.m.
9810	HJAG Barranquilla, Colombia	evenings*
9815	IRF Rome, Italy	5:20-5:40 a.m., noon-12:25 p.m., 1:50-2:30 p.m., 6-7:25 p.m.
9825	COCM Havana, Cuba	8 a.m.-mid.
9855	EAQ Madrid, Svain	5-7:30 p.m., 7:45-8:50 p.m., 8:50-11 p.m.
9892	CPI Sucre, Bolivia	11 a.m.-noon, 7-9 p.m.
9925	IDY Dairen, Manchukuo	7-8 a.m.
9935	SVM Athens, Greece	Not heard since German occupation
9985	COBC Havana, Cuba	6 a.m.-midnight.
10000 kcs. band		
10035	DZB Prague, Bohemia	at 2:45 p.m.*
10040	XOZS, China*	6-9:30 a.m.
	10050 SUV Cairo, Egypt	12:30-1:30 p.m.
10135	HH3W Port-au-Prince, Haiti	1-2, 7-9 p.m.

10140 OPM Leopoldville, Belg. Con.	1:40-2:45 p.m.
10220 PSH Rio de Janeiro, Brazil	6-7 p.m., Mo. 8-8:30 p.m., Fr. 7-7:30 p.m.
10260 PMN Batavia, Java	9:45-10 a.m.
10290 DZC Berlin, Germany	8:30-10 p.m.
10350 LSX Buenos Aires, Argentina	
10400 YSPA San Salvador, El Salvador	6:30-11 p.m.
10540 DZD Berlin, Germany	4:30-4:45 p.m., 8-11 p.m.
10660 JVN Tokyo, Japan	1:50-7:40 a.m.
10660 ZIK2 Belize, Br. Honduras	Tu., Th., Sa. 1:30-2, 8:30-9 p.m.
10680 PLQ Bandoeng, Java	at 7 a.m.*
10950 FIQA Tananrive, Madagascar	12:30-12:45 a.m., 10-11 a.m., 2:30-4 p.m.
10953 CR6RB Benguela, Angola	2:30-3:30 p.m.
11000 kcs. band	
11000 PLP Bandoeng, Java	6-9 p.m., 10:30 p.m.-2 a.m., 4:30-11 a.m.
11040 CSW6 Lisbon, Portugal	12-3:30 p.m., Su. 10 a.m.-5:30 p.m.
11400 CJRX Winnipeg, Man.	4-8:30 p.m.
11402 HBO Geneva, Switzerland	Mo. 12:45-2:12 p.m., Sa. to 3 p.m.
11500 CLB-11 Havana, Cuba	evenings*
11600 PLN Bandoeng, Java	at 7 a.m.*
11619 COK Havana, Cuba	noon to midnight
11650 XGOK Canton, China	7-9 a.m.
11700 CB1170 Santiago, Chile	10 a.m.-2 p.m., 3:30 p.m.-mid.
HP5A Panama City, Panama	7-10:40 a.m., 5-10:45 p.m., Su. 6-10:45 p.m.
IQY Rome, Italy	5:20-5:40 a.m., 1:50-2:30 p.m.
11705 CXA-19 Colonia, Uruguay	evenings
SBP Stockholm, Sweden	3-4:30, 8-9 p.m.
11710, Saigon, Fr. Indo China	7:30-9:45 a.m.
WLWO Cincinnati, Ohio	afternoons*
11715 HSP5 Bangkok, Thailand	8:58-10 a.m.
11718 CR7BH Lourenzo Marques, Mozambique	12-1 a.m., 4:30-6:30, 9:30-11 a.m., 12-4 p.m., Su. 4-7 a.m., 10 am.-2 p.m.
11720 ZP14 Villarica, Paraguay	Mo. to Fr. 4-8 p.m., Sa., Su. 11 am.- 6 p.m.
11725 JVV3 Tokyo, Japan	7:30-8:30 p.m.
11730 OQ2AA Leopoldville, Belgian Congo	5:55-7:15 a.m. & 1:55-2:45 p.m.
WRUL Boston, Mass.	5:20-8:30 p.m., 8:45-10 p.m., Su. 2-8 p.m.
11740 HVJ Vatican City	2-5:55 p.m., We. 9:30 p.m.
CB1174 Santiago, Chile	6-11 p.m., Su. 6-10:30 p.m.
CR6RC Loanda, Angola	6:30-7:45 a.m., Tu., We., Sat. at 3:30 p.m., Su. 12:30-1 p.m.
11750 GSD London, Gt. Britain	9-11:30 a.m., 11:55 a.m.-3:45 p.m., 5:42-9 p.m., 9:45-11:35 p.m., 11:57 p.m.-3:1 a.m.
11760 I2RO15 Rome, Italy	11:40 a.m.-2:40 p.m., 3-3:30 p.m., 5:30-6 p.m.
VLR8 Melbourne, Australia	at 3:30 a.m.*
TGWA Guatemala City, Guat.	10-11:30 p.m., Su. 6-11:30 p.m.
11770 DJD Berlin, Germany	4:45-7:30 p.m., (8-11 p.m.

ZTE Duban, U. of So. Africa	3:30-11:45 a.m., Su. 3:55-11:45 a.m., 11:45 p.m.-2 a.m.
11775 MTCY Hsingking, Manchukuo	1:30-2:20 a.m., 9:50-10:55 a.m., 4-4:50 p.m.
11780, Saigon, Fr. Indo China	10:30-11 a.m.
HP5G Panama City, Panama	Noon-1 p.m., 6-10 p.m.
OFE Helsinki, Finland	at 1:15 p.m.*
11790 WRUL Boston, Mass.	Sa. 2-5 p.m.
11800 JZI Tokyo, Japan	2-5:30 p.m.
XGOK Canton, China	6-8:30 a.m.
DJZ Berlin, Germany	3:30-4 p.m.
11810 I2RO4 Rome, Italy	4:30-9 a.m., 10 a.m.-2 p. m., 6-7:25 p.m., 7:30-9 p.m.
11815 JVZ Tokyo, Japan	8-9 p.m.
11820 GSN London, Gt. Britain	5:40-11:35 p.m.
11825 CXA14 Colonia, Uruguay	3:30-9:20 p.m.
11826 XEBR Hermosillo, Mexico	10 a.m.-4 p.m., 8-10:30 p.m.
11830 LRA-5 Buenos Aires, Argentina	4-4:30 p.m.
11830 VUD4 Delhi, India	9:05 p.m.-mid., 1-4:25 a.m., 6:30 a.m.- 12:15 p.m.
VLW3 Perth, W. Africa	1-5 a.m.
WCBX New York, N. Y.	12:30-2:30 p.m., 5:30-10:30 p.m.
11840 VLR7 Melbourne, Australia	at midnight*
CSW Lisbon, Portugal	11:30 a.m.-1:30 p.m.
11850 VLR3 Melbourne, Australia	3:30 p.m.-2:15 a.m., 6:55-7 a.m.
11855 XMHA Shanghai, China	11 p.m.-1 a.m., 5-11 a.m.
DJP Berlin, Germany	12:05-2 a.m., 4:50-10:50 p.m.
11860 GSE London, Gt. Britain	5:45-11:30 a.m., 6:25-9:15 p.m.
11870 WBOS Boston, Mass.	afternoons*
VLQ2 Sydney, Australia	:40-7:1 a.m., 8:10-9:45 a.m., 1:10-1:45 p.m.
11880 JZJ Tokyo, Japan	12-1:30 a.m., 7-9:30 a.m., 2-4 p.m.
COGF Matanzas, Cuba	9 a.m.-11:30 p.m.
VLQ7 Sydney, Australia	12:55 a.m.-1:45 p.m., 10:25-11:10 a.m., 2-2:30 p.m., 3:25-4 p.m., 4:55-5:45 p.m.
11890 WNBI New York, N. Y.	evenings*
11900 XEWI Mexico City, Mexico	Mo., We., Fr. 3-4 p.m., 9 p.m.-mid., Sa. 9 p.m.-mid., Su. 12:30-2 p.m.
11900 XGOY Szechwan, China	5:30-11:50 a.m., 2-6:20 p.m.
11910 CB-1190 Valdivia, Chile	10 a.m.-1 p.m., 5-10:30 p.m.
11920, ? , Italy *	"Radio Italia" 2-2:50 p.m., 4-4:30 p.m., 6-6:28 p.m.
11940, Rabat, Morocco	"Radio Maroc" off 3 p. m.*
11945 CB1180 Santiago, Chile	7-8 a.m., 4:50-11 p.m.
11965, Geneva, Switzerland	"Radio Suisse" at 3 p.m.*
11970 H12X Trujillo, Dominican Rep.	Tu., Fr. 8:10-10:10 p.m., Su. 7:40- 9:40 a.m.
., Brazzeville, Fr. Eq. Africa	"Radio Brazzeville" 2:30-4 p.m., 10-11 p.m.
12000 kcs. band	
12000 RNE Moscow, U.S.S.R.	7-9 p.m., 9-11 a.m.
12030 XGRS Shanghai, China	7 p.m.*
12040 GRV London, Gt. Britain	Noon-1 p.m.

12115 ZNR Aden, Arabia	2-6 p.m.
12120 TPZ Algiers, Algeria	testing irreg.
12300 CBFV Vercheres, P. Q.	5:30-7:30 p.m.
12310 VOFB St. Johns, Nfld.	7-8:15 a.m., 11:30 a.m.-2:30 p.m.,
12450 HCJB Quito, Ecuador	5-10:30 p.m.
13000 kcs. band	Su. 12:30-1 p.m.
13900 YNDG Leon, Nicaragua	
14000 kcs. band	Su. 2:50 p.m.*
14535 HBJ Geneva, Switzerland	7-10:50 p.m.
14460 DZH Berlin, Germany	4-8 a.m.
14600 JVH Tokyo, Japan	7-9 a.m.
14630 PLH Bandoeng, Java	We. 6:45-8:15 p.m., 8:40-10:15 p.m.
14635 HBJ Geneva, Switzerland	Testing
14680 CMB-4 Havana, Cuba	6-7:05 p.m.
14690 PSF Rio de Janeiro, Brazil	4:30-5 a.m.
14795 IQA Rome, Italy	
14920 KQH Kahoku, Hawaii	Sa. 8:30-9 p.m., Su. 9:30 p.m.*
14940 PSE Rio de Janeiro, Brazil	6-7 p.m., Th. 3-3:30 p.m.
15000 kcs. band	
15040 RKI Moscow, U.S.S.R.	7-8:30 p.m., 8:30-9 p.m.
15100 EPB Iran *	until 5:30 a.m.
15105 JLG-4 Tokyo, Japan	8-10 p.m.
15110 DJL Berlin, Germany	12-2 a.m., 10:40 a.m.-4:25 p.m.
15120 CSW-4 Lisbon, Portugal	7-9 a.m.
....., Athlone, Ireland	"Radio Eiran" 12:30-1 p.m.
HVJ Vatican City	Tu. 8:30-9 a.m., 10-10:30 a.m.,
	Su. 1-1:30 p.m., We. 8:30-9 p.m.
15130 WRUW Boston, Mass.	2-5 p.m., 8:45-10:30 p.m., Su. 1-1:30
	p.m., We. 8:30-9 p.m.
15135JLU-3 Tokyo, Japan	8-9:30 a.m.
VLQ Sydney, Australia	8-8:30 p.m.
15140 GSF London, Gt. Britain	9-11:30 a.m., 11:55 a.m.-5:25 p.m.,
	11:57 p.m.-3:15 a.m.
15150 WNBI New York, N. Y.	
YDC Soerabaja, Java	6:30 a.m.
15155 SBT Motala, Sweden	1-4:30 p.m., 8-9 p.m.
15160 DXS Berlin, Germany	till 10:45 a.m.
JZK Tokyo, Japan	8-10 p.m.
XEWW Mexico City, Mexico	Noon-mid.
15165 CP43 Tupiza, Bolivia	6-9:30 p.m.
15170 TGWA Guatamala City, Guat.	12:45-1:45 p.m., Su. 1:45-5:15 p.m.
15175 OQ2AA Leopoldville, Bel. Con.	1:55-2:15 p.m., 5:55-7:15 a.m.
15180 RV96 Moscow, U.S.S.R.	12:40-1 p.m.
GSU London, Gt. Britain	
15190 OIE Helsinki, Finland	1:15 p.m.*
XGOX Szechwan, China	8:30-9:30 p.m., 10-11:05 p.m.
15195 TAQ Ankara, Turkey	6-6:30 a.m.
15200 DJB Berlin, Germany	6-8:45 a.m., 11:30-11:45 a.m.,
	12:30-12:45 p.m.
15220 PCJ2 Amsterdam, Netherlands	
15240 YUF Belgrade, Yugoslavia	To South America
YUG Belgrade, Yugoslavia	To North America
CR7BD Lourenzo Marsues,	4:30-6:30 a.m., 9:30-11 a.m.,
Mozambique	Noon-4 p.m.

"Y" Paris, France
15250 WRUL Boston, Mass.
15260 GSI London, Gt. Britain
15270 HI3X Trujillo, Dominican Rep.

WLWO Cincinnati, Ohio
WCAB Philadelphia, Pa.
15280 DJQ Berlin, Germany
15290 VUD3 Delhi, India
15290 LRU Buenos Aires, Argentina
15300 I2RO-6 Rome, Italy
15310 GSP London, Gt. Britain

15320 WRUL Boston, Mass.
15325 JLT3 Toyko, Japan
15330 WGE Schenectady, N. Y.
15370 HAS3 Budapest, Hungary
15410 RV96 Moscow, U.S.S.R.
15430 DJR Berlin, Germany

6-6:15 a.m., noon-2 p.m.
10-11 a.m., ex. Sa., Su.
5:40-8:45 a.m., 9-11:30 a.m., 11:55 a.m.-
5:25 p.m., 11:57 p.m.-3:15 a.m.
Su. 8:10-10:10 p.m.,
Tu. and Fr. 7:40-9:40 a.m.
8-11 a.m.
11 a.m.-1 p.m., 1:15-4:30 p.m.
12:05-11:10 a.m.
9:05 p.m.-mid., 1-4:25 a.m.
8-10 a.m.
Noon-1:15 p.m.
5:40-7 a.m., 2:15-5:25 p.m.,
1:15-3:15 a.m.
9-10:30 p.m.
till 5 p.m.
Su. 9-10:30 a.m.
5-7:30 a.m., 9-10:30 p.m.
mid.-11 a.m., 5-10:50 p.m.

(Continued from page 23)

Union of South Africa

Klipheval—(RW): ZRL on 9615 kcs. is heard from 11:45 p. m. until as late as 1:30 a.m. . . . ZRL is now on its licensed frequency of 9606 kcs. since it is QRMed by GRY on 9600 kcs. at 10:10 p.m., according to IDA,

Uruguay

Colonia—(REW): CXA-19 "Radio Colonia" on 11705 kcs. is now being heard well consistently, especially after WLWO signs off at 7:45 p.m.

Montevideo—(RW): CXA-6 on 9625 kcs. has been heard around 8 p.m.

Montevideo—(RW): CXA-19 on 11710 kcs. have been relaying WGEO at 8 p.m. recently.

U. S. A.

San Francisco—(RE): Plans are being made to increase the power of KGEI from 20 to 50 kilowatts to carry American "Good Will" programs to Latin America.

Boston—(RE): WRUL on 11790 kcs. is now operating in conjunction with a new frequency—WRUL on 15370 kcs.—WRUL, using 15130 kcs. has a special program for SWL's on Wednesdays at 10:45 p.m.

New York—(RX): Latest WCAB schedule: 6120 kcs. (To Latin America) from 10:30 p.m. to midnight 9650 kcs. (To Europe) from 3-5 p.m., 11830 kcs. (To Europe) from 12:30-2:30 p.m. and (To Latin America) from 5:30-10 p.m., and 17830 kcs. (To Europe) from 7 a.m. to 12 noon.

Philadelphia—(RX): Latest WCAB schedule: 6060 kcs. (To Europe) from 5:15-6 p.m. (To Latin America) from 6:05-7:53 p.m., and (To Europe) from 8 p.m. to midnight; on 15270 kcs. (To Europe) from 11 a.m. to 1 p.m., and (To Latin America) from 1:15 p.m. to 4:30 p.m.

Schenectady—(RE): WGEA signs off on 6190 kcs. at 11 p.m. with "The Star Spangled Banner." . . . WGEA on 15330 kcs. signs off at 5 p.m. with the National Anthem, also.

U. S. S. R.

Moscow—(REW): The signals of RV-96 on 15180 kcs. are evidently beamed to North America from 10-11 a.m. daily as they are very well received in this country. RV-96 on 9520 kcs. is heard in parallel on this broadcast.

Moscow—(R5): Schedule of pro-

grams in English includes broadcasts at 6-7 p.m. on 9520 kcs., from 7-8 p.m. on 9600 kcs., 9550 kcs., and 9520 kcs., and from 9:30-10 p.m. on 9600 kcs., and 9520 kcs.

Khabarovsk—(RF): RV—, on 9565 kcs. has been putting in a strong signal into this country from 6-7:30 a.m.

Vatican City

Vatican City—(REF): HVJ on 6190 kcs., was used for awhile for the Sunday and Thursday programs to North America (8:30-8:50 p.m.) but HVJ on 11740 kcs. is now being used again. This station also uses 9660 kcs., and 15120 kcs., for special programs.

Venezuela

Caracas—(RE): YV5RW on 3960 kcs. has been heard when conditions have been favorable on this band.

THE MONTH'S CHANGE IN STATION DATA

New

580 WIAC San Juan, Puerto Rico
610 Charlotte, N. C.
680 WJSR Butler, Pa.
880 YV5RQ Caracas, Venezuela
920 WBBB Burlington, N. C.
1340 KROS Clinton, Iowa
1340 WEIM Fitchburg, Mass.
1340 WJMA Covington, Va.
130 Cedartown, Ga.
1400 WJZM Clarksville, Tenn.
1400 WSRR Stamford, Conn.
1430 Tacoma, Wash.
1450 WLAN Endicott, N. Y.
1460 Everett, Wash.
1490 WMIS Natchez, Miss.
1490 Tacoma, Wash.

Frequency

640 WNAD Norman, from 690
1300 YV1RA Maracaibo, from 1500

Power

570 WMCA New York City, 5000 from
1000(5)
790 YV5RB Caracas, 10000 from 2000

Network

980 WTRY Troy, new NBC Blue

Call Letters

1430 WBYN Brooklyn, from WARD

Owner

1340 WBRK Monroe B. England, Pittsfield.
1430 WBYN Unified Broadcasting, Corp.,
Brooklyn.
1450 KNET Bonner Frizzell, Palestine.

Delete

1310 KHON Honolulu
1420 WODM St. Albans
1430 WBBB Brooklyn
1430 WETH New York City
1430 WCFW Brooklyn
1450 WMWH Augusta

The Fourth Column Symbols

Responding to the requests of many readers for more information regarding the minor network affiliations of stations, we have revised our symbols to show all network classifications in the fourth column of the Broadcasting Station list by Frequencies. Networks are indicated by the following letters:

A—Arizona Network
B—NBC Blue Network.
C—Columbia Broadcasting System.
D—Colonial Network.
E—Alabama Network.
F—Canadian Broadcasting Corporation.
G—California Radio System.
H—North West Triangle.
I—Inter-City Broadcasting System.
J—ABC Network.
M—Mutual Broadcasting System.
N—National Broadcasting Co.
O—RHC—Cadena Azul.
Q—Quaker Network.
R—NBC Red Network.
S—New York Broadcasting System.
T—Texas State Network.
Y—Yankee Network.

Permit to Change Power

570 WKBN Youngstown, 5000 unlt'd.
570 WOSU Columbus, 5000 ltd.
570 WSYR Syracuse, 5000 unlt'd.
570 WWNC Asheville, 5000 unlt'd.
580 WTAG Worcester, 5000 unlt'd.
600 WCAO Baltimore, 5000 unlt'd.
620 WLBZ Bangor, 5000 unlt'd.
860 KTRB Modesto, 1000 unlt'd.
940 WMAZ Macon, 5000 unlt'd.
960 WELI New Haven, 500(1) unlt'd.
990 WNOX Knoxville, 1000 unlt'd.
1000 WINX New York City, 5000 unlt'd.
1050 WHN New York City, 5000 unlt'd.
1080 KWJJ Portland, 1000 unlt'd.
1110 WCBD Chicago, 10000 D.
1230 WABI Bangor, 5000 unlt'd.
1230 WCAX Burlington, 1000 unlt'd.
1230 WESK Salem, 250 unlt'd.
1230 WLOG Logan, 250 unlt'd.
1240 WSIK Nashville, 1000(5) unlt'd.
1300 KOL Seattle, 5000 unlt'd.
1320 KTRH Houston, 5000 unlt'd.
1320 WATR Waterbury, 1000 unlt'd.
1330 WEVD New York City, 5000 unlt'd.
1330 WHBL Sheboygan, 1000 unlt'd.
1340 KAND Corsicana, 250 unlt'd.
1340 KGEZ Kalispell, 250 unlt'd.
1340 WENL Royal Oak, 250 unlt'd.
1340 WSGN Birmingham, 1000 unlt'd.
1390 KCRC Enid, 1000 unlt'd.
1390 WGES Chicago, 5000 unlt'd.
1450 KNL Portland, 10000 ltd.
1460 KSO Des Moines, 5000 unlt'd.
1470 KXYZ Houston, 5000 unlt'd.
1470 WSAN Allentown, 5000 unlt'd.
1510 WLAC Nashville, 5000 unlt'd.

Permit to Change Frequency

570 WOSU Columbus, to 820
1110 WCBD Chicago, to 820
1170 WAPI Birmingham, to 1070
1230 WABI Bangor, to 910
1230 WCAX Burlington, to 620
1240 WSIK Nashville, to 980
1320 KTRH Houston, to 740
1340 KGEZ Kalispell, to 1460
1340 WSGN Birmingham, to 610
1450 KNL Portland, to 750
1470 KXYZ Houston, to 1320

BROADCASTING STATIONS BY FREQUENCIES WITH NAMES OF OWNERS

KEY TO SYMBOLS

As Shown in the
Index by Frequencies

Frequencies are given in kilocycles per second, and wavelengths in meters. Night power is shown in watts in third column and daytime power is shown in parenthesis 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.
 K—Licensed for facsimile.
 L—Limited time.
 M—Mutual Network.
 N—National "Red" and "Blue" Networks.
 O—RHC-Cadena Azul (Cuban Network)
 P—Has Construction Permit only.

- Q—Station not in use.
 R—National "Red" Network.
 S—Synchronized.
 Sx—Indicates a "Booster" (or amplifier, or satellite) station working with a larger station. The main station is indicated by S.
 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 transmitter.

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

Please refer also to the opposite page

540 kcs. (552.2 m.)

CBK F 50000

550 kcs. (545.1 m.)

CFNB F 1000
 CMW 2500
 KFYZ N 5000
 KOAC 1000(5)
 KOY C 1000
 KSD R 1000(5)
 K TSA C 1000(5)
 WDEV D 1000
 WGR CM 1000(5)
 WKRC M 1000(5)
 WSWA D 1000
 XERZ 250



a Watrous, Sask., Canadian Brdcastg. Corp.



a Fredericton, N. B., James S. Neill & Sons, Ltd.
 a Havana, Cuba, Troncoso y Gil
 a Bismarck, N. Dak., Meyer Brdcastg. Co.
 a Corvallis, Ore., State Agricultural College
 a Phoenix, Ariz., Salt River Valley Brdcastg. Co.
 g St. Louis, Mo., Pulitzer Pub. Co.
 a San Antonio, Tex., Sushime Brdcastg. Co.
 a Waterbury, Vt., Radio Station WDEV
 a Buffalo, N. Y., Buffalo Brdcastg. Corp.
 a Cincinnati, Ohio, Cincinnati Times-Star Co.
 a Harrisonburg, Va., Shenandoah Valley Brdcastg. Corp.
 z Leon, Gto.

560 kcs. (535.4 m.)

CJKL F 1000
 CMKM 250
 KFDM 1000
 KLZ C 5000
 KSFO C 1000(5)
 KWTO D 5000
 WFIL 1000
 WGAN C 5000
 WIND 5000
 WIS N 5000
 WQAM C 1000
 XEOF 1000



a Kirkland Lake, Ont., Northern Brdcastg. Co. Ltd.
 a Manzanillo, Cuba, Raimudo Comas Soler.
 M1a Beaumont, Tex., Beaumont Brdcastg. Corp.
 a Denver, Colo., KIZ Brdcastg. Co.
 a San Francisco, Calif., Associated Broadcasters, Inc.
 a Springfield, Mo., Ozarks Brdcastg. Co.
 BMQa Philadelphia, Pa., WFIL Brdcastg. Co.
 a Portland, Me., Portland Brdcastg. System, Inc.
 a Gary, Ind., Johnson-Kennedy Radio Corp.
 a Columbia, S. C., Liberty Life Ins. Co.
 a Miami, Fla., Miami Brdcastg. Co.
 a Mexico City, D. F.

570 kcs. (526 m.)

CMHI O 10000
 KGKO N 5000
 KMTR 1000
 KUTA N 1000
 KVI C 5000
 WKBN G2X 500(1)
 WMAM D 250
 WMCA 5000
 WNAS C 5000
 WOSU NZ 1000
 WSYR X 1000
 WWNC X 1000



a Santa Clara, Cuba, RHC Cadena Azul
 a Fort Worth, Tex., KGKO Brdcastg. Co.
 a Los Angeles, Calif., KMTR Radio Corp.
 a Salt Lake City Utah, Utah Brdcastg. Co.
 a Tacoma, Wash., Puget Sound Brdcastg. Co., Inc.
 Ca Youngstown, Ohio, WKBN Brdcastg. Corp.
 z Marinette, Wis., M and M Brdcastg. Co.
 Ia New York, N. Y., Knickerbocker Brdcastg Co., Inc.
 a Yankton, S. Dak., WNAX Brdcastg. Co.
 a Columbus, Ohio, Ohio State University
 BSa Syracuse, N. Y., Central New York Brdcastg. Corp.
 Ca Asheville, N. C., Asheville Citizen-Times Co., Inc.

BROADCASTING STATIONS BY FREQUENCIES

580 kcs. (516.9 m.)



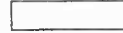
CKCL	F	1000	a	Toronto Ont., Dominion Battery Co., Ltd.
CKPR	F	1000	a	Port Arthur, Ont., Dougall Motor Car Co., Ltd.
CKUA	F	1000	b	Edmonton, Alta., University of Alberta.
KMJ	EN	5000	a	Fresno, Calif., McClatchey Brdstg. Co.
KSAC	2	500(1)	a	Manhattan, Kans., State College of Agriculture
WCHS	C	5000	a	Charleston, W. Va., Charleston Brdstg. Co.
WDBO	C	5000	a	Orlando, Fla., Orlando Brdstg. Co.
WIAC	P	1000(5)	z	San Juan, P. Rico. Enrique Abarca Sanfeliz.
WIBW	C2	5000	a	Topeka, Kans., Topeka Brdstg. Assn., Inc.
WILL	D	5000	a	Urbana, Ill., University of Illinois.
WTAG	X	1000(5)	RY a	Worcester, Mass., Worcester Telegram Pub. Co., Inc.
XEMU	....	250	z	Piedras Negras, Coah., Radiodifusora de Piedras Negras.

590 kcs. (508.2 m.)



CMCY	Ø	15000	a	Havana, Cuba, RHC-Cadena Azul.
KGMB	CM	5000	a	Honolulu, T. H., Hawaiian Brdstg. System, Ltd.
KHQ	ER	5000	a	Spokane, Wash., Louis Wasmer, Inc.
WEEL	C	5000	a	Boston, Mass., CBS, Inc.
WKZO	B	1000	a	Kalamazoo, Mich., WKZO, Inc.
WMBS	C	1000	a	Uniontown, Pa., Fayette Brdstg. Corp.
WOW	R	5000	a	Omaha, Nebr., Woodmen of the World.
XEPH	....	5000	z	Mexico City, D. F.
YVSRI	B	1000	a	Caracas, Venezuela, Suegart y Cia.

600 kcs. (499.7 m.)



CFCF	BF	500	a	Montreal, P. Q., Canadian Marconi Co.
CFOC	F	1000	a	Saskatoon, Sask., A. A. Murphy & Sons, Ltd.
CJOR	....	1000	a	Vancouver, B. C., CJOR, Ltd.
CMKV	O	1000	a	Holguin, Cuba, RHC-Cadena Azul.
FQN	B	250	a	St. Pierre, Miquelon, G. Salomon.
KFSD	B	5000	a	San Diego, Calif., Airfan Radio Corp., Ltd.
KROD	C	500(1)	a	El Paso, Tex., Dorrence D. Roderick.
TIGPH	605	1000	a	San Jose, Costa Rica, Gonzalo Pinto H.
WCAO	C	500(1)	a	Baltimore, Md., Monumetal Radio Co.
WICC	....	500(1)	BDMYi	Bridgeport, Conn., The Yankee Network, Inc.
WMT	BM	5000	a	Cedar Rapids, Iowa, Iowa Brdstg. Co.
WREC	C	5000	a	Memphis, Tenn., WREC Brdstg. Service.
WSIS	MN	1000	a	Winston-Salem, N. C., Piedmont Pub. Co.
XEOH	....	1000	z	Torreón, Coah.
XESF	....	250	z	Morelia, Micho.
XEZ	....	2000	z	Merida, Yuc., Jorge L. Palomeque.

610 kcs. (491.5 m.)



CHNC	F	1000	a	New Carlisle, P. Q., Gaspesian Radio Co., Ltd.
CIAT	F	1000	a	Trail, B. C., Kootenay Brdstg. Co., Ltd.
KFAR	....	1000	a	Fairbanks, Alaska, Midnight Sun Brdstg. Co.
KFRC	M	5000	b	San Francisco, Calif., Don Lee Brdstg. System.
WCLE	DM	500	a	Cleveland, Ohio, United Brdstg. Co.
WDAF	R	5000	a	Kansas City, Mo., Kansas City Star Co.
WIOD	N	5000	a	Miami, Fla., Isle of Dreams Brdstg. Corp.
WIP	....	5000	Ia	Philadelphia, Pa., Pa. Brdstg. Co.
WMUR	P	1000(5)	z	Manchester, N. H., Radio Voice of N. H., Inc.
XERX	....	500	z	Sabinas, Coah., Benito Garza Ortegón.
XERJ	....	600	z	Mazatlan, Sin., Oscar Perez E.
....	P	1000	z	Charlotte, N. C., Inter-City Advertising Co.

620 kcs. (483.6 m.)



CKCK	F	1000	a	Regina, Sask., Leader-Post, Ltd.
CMK	....	250	a	Camaguey, Cuba, Jones, Castrillon y Cia.
KGW	ER	5000	a	Portland, Ore., Oregonian Pub. Co.
KTAR	EN	5000	a	Phoenix, Ariz., KTAR Brdstg. Co.
KWFT	....	1000(5)	CMTa	Wichita Falls, Tex., Wichita Brdstg. Co.
TIPG	625	5000	b	San Jose, Costa Rica, Claudia Hartinos.
WAGE	....	1000	a	Syracuse, N. Y., Sentinel Brdstg. Corp.
WHJB	D	250	a	Greensburg, Pa., Pittsburgh Radio Supply House.
WKAQ	C	5000	a	San Juan, Puerto Rico, Radio Corp. of Puerto Rico.
WLBZ	X	500(1)	DMNYa	Bangor, Maine, Maine Brdstg. Co.
WROL	N	500(1)	a	Knoxville, Tenn., Stuart Brdstg. Corp.
WSUN	N	5000	a	St. Petersburg, Fla., City of S. P.
WTMT	N	5000	a	Milwaukee, Wis., The Journal Co.
XENK	....	5000	z	Mexico City, D. F.

630 kcs. (475.9 m.)



CFCO	F	100	a	Chatham, Ont., John Beardall.
CFCY	F	1000	a	Charlottetown, P. E. I., Island Radio Brdstg. Co.

BROADCASTING STATIONS BY FREQUENCIES

CJRC	F	1000
CKOV	F	1000
CMZ	...	5000
KGFX	D	200
KOH	N	1000
KVOD	B	1000
KXOK	...	5000
WMAL	B	5000
WPRO	C	5000
XEFB	....	500
YVKA	....	....

640 kcs. (468.5 m.)

HOK	...	....
KFI	R	50000
VONF	...	12500
WHKC	LM	500
WNAD	D	1000
WOI	D	5000
YSS	....	500

650 kcs. (461.3 m.)

WSM	N	50000
-----	---	-------

660 kcs. (454.3 m.)

KOWH	BD	500
WEAF	R	50000
XEBZ	....	500
YNPH	....	600
....	DP	1000

670 kcs. (447.5 m.)

WMAQ	R	50000
------	---	-------

680 kcs. (440.9 m.)

KFEQ	L	500(2.5)
KPO	R	50000
VAS	685	2000
WLAW	...	5000
WISR	DP	250
WPTF	N	50000
XED	....	1000

690 kcs. (434.5 m.)

CBF	N	50000
CMQ	N	15000(25)
KGGF	....	500(1)
TIGH	....	1000
XEAC	....	5000
XEN	....	5000

700 kcs. (428.3 m.)

VOWR	....	500
WLW	KN	50000

710 kcs. (422.3 m.)

KIRO	C	50000
KMPC	C	5000
WOR	KM	50000

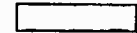
720 kcs. (416.4 m.)

Ti4NRH	725	750
WGN	KM	50000

730 kcs. (410.7 m.)

CKAC	C	5000
XEDP	....	150000

- Winnipeg, Man., Transcanada Communications, Ltd.
- a Kelowna, B. C., Okanagan Broadcasters, Ltd.
- z Havana, Cuba, Constitutional Army.
- a Pierre, S. Dak., Dana McNeil Estate.
- a Reno, Nev., The Bee, Inc.
- a Denver, Colo., Colorado Radio Corp.
- a St. Louis, Mo., StarTimes Pub. Co.
- a Washington, D. C., NBC, Inc.
- a Providence, R. I., Cherry & Webb Brdctg. Co.
- a Monterrey, N. L., Jesus Quintanilla.
- z Caracas, Venezuela, Radiodifusora Nacional



- z Colon, Panama, La Voz de la Victor.
- f Los Angeles, Calif., Earle C. Anthony, Inc.
- a St. John's NFLD., Brdctg. Corp of NFLD.
- a Columbus, Ohio, United Brdctg. Corp.
- a Norman, Okla., University of Okla.
- a Ames, Iowa, Iowa State College of Agriculture.
- a San Salvador, El Salvador.



- a Nashville, Tenn., National Life & Accident Ins. Co.



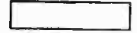
- a Omaha, Nebr., World Pub. Co.
- a New York, N. Y., NBC.
- a Mexico City, D. F., Refugio Esperza Vda.
- z Managua, Nicaragua.
- z Dallas, Texas, Chilton Radio Corp.



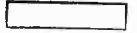
- c Chicago, Ill., NBC, Inc.



- a St. Joseph, Mo., KFEQ, Inc.
- a San Francisco, Calif., NBC, Inc.
- f Glace Bay, N. S., Canadian Marconi Co., Ltd.
- a Lawrence, Mass., Hildreth & Rogers Co.
- z Butler, Pa., Butler Brdctg. Co.
- a Raleigh, N. C., WPTF Radio Co.
- e Guadalajara, Jal., Cia. Radiotografica.



- a Montreal, P. Q., CBC.
- a Havana, Cuba, Cambo y Gabriel.
- Ma Coffeyville, Kans., Hugh J. Powell.
- b San Jose, Costa Rica, Gonzalo Garcia.
- a Tijuana, B. Cfa., Jorge I. Rivera.
- a Mexico City, D. F., Radio Mundial.



- c St. John's, Nfld., Wesley United Church.
- a Cincinnati, Ohio, Crosley Corp.



- a Seattle, Wash., Queen City Brdctg. Co.
- a Beverly Hills, Calif., KMPC Station of the Stars.
- a New York, N. Y., Bamberger Brdctg. Service.



- f Heredia, Costa Rica, Amando Cespedes Marin.
- b Chicago, Ill., WGN, Inc.



- a Montreal, P. Q., La Presse Pub. Co., Ltd.
- a Mexico City, D. F., Depto. de Publicidad y Propaganda.

BROADCASTING STATIONS BY FREQUENCIES

740 kcs. (405.2 m.)

CBL	F	50000
CMJN	O	1000
CMK	....	250
KQW	....	1000(5)

- []
- a Toronto, Ont., CBC.
 - a Camaguey, Cuba, RHC-Cadena Azul.
 - a Havana, Cuba, Radiodifusion O'Shea.
 - Ma San Jose, Calif., Pacific Agricultural Foundation.

750 kcs. (399.8 m.)

KMMJ	L	1000
LING	....	375
WHEB	L	1000
WSB	R	50000

- []
- a Grand Island, Nebr., KMMJ, Inc.
 - z San Jose, Costa Rica, Narcisco Garcia.
 - a Portsmouth, N. H., Granite State Brdcastg. Corp.
 - a Atlanta, Ga., Atlanta Journal Co.

760 kcs. (394.5 m.)

KGU	LN	2500
WJR	C	50000

- []
- a Honolulu, Hawaii, Advertiser Pub. Co., Ltd.
 - c Detroit, Mich., WJR, The Goodwill Station.

770 Kcs. (389.4 m.)

KXA	L	1000
WBAL	S	2500
WCAL	2D	5000
WFW	D	1000
WJZ	S	50000
WLB	2D	5000

- []
- a Seattle, Wash., American Radio Telephone Co.
 - BMa Baltimore, Md., WBAL Brdcastg. Co.
 - a Northfield, Minn., St. Olaf College.
 - a St. Louis, Mo., St. Louis University.
 - Ba New York, N. Y., NBC, Inc.
 - a Minneapolis, Minn., University of Minn.

780 kcs. (384.4 m.)

KFAB	S	10000
WBMM	CS	50000

- []
- CEa Lincoln, Nebr., KFAB Brdcastg. Co.
 - a Chicago, Ill., Columbia Brdcastg. System.

790 kcs. (379.5 m.)

CKSO	F	1000
CMBC	....	1000(5)
KECA	....	5000
KFDY	D	1000
KFQD	G	250
KGHL	N	5000
WEAN	....	5000
WMC	R	1000(5)
WPIC	D	1000
WPRa	....	1000(2.5)
WTAR	N	5000
XELJ	....	500
XERC	....	1000
YV5RB	....	10000
ZNS	....	1000

- []
- a Sudbury, Ont., Sudbury Star.
 - a Havana, Cuba, El Progreso Cubano.
 - a Los Angeles, Calif., Earle C. Anthony, Inc.
 - a Brookings, S. Dak., S. Dak. State College.
 - c Anchorage, Alaska, Anchorage Radio Club, Inc.
 - a Billings, Mont., Northwestern Auto Sup. Co., Inc.
 - BDMYa Providence, R. I., The Yankee Network, Incc.
 - a Memphis, Tenn., Memphis Publishing Co.
 - a Sharon, Pa., Sharon Herald Brdcastg. Co.
 - a Mayaguez, P. R., P. R. Advertising Co., Inc.
 - g Norfolk, Va., WTAR Radio Corp.
 - z Nuevo Laredo, Tams.
 - z Mexico City, D. F., Carlos Dragome Narro.
 - a Caracas, Venezuela, Degwitz & Siblitz.
 - d Nassau, Bahamas, Supt. of Telegraphs.

800 kcs. (374.8 m.)

CKLW	FM	5000
....	P	1000
....	P	150000

- []
- a Windsor, Ont., Western Ont. Brdcastg. Co.
 - z Holguin, Cuba.
 - z Nogales, Son.

810 kcs. (370.2 m.)

CMHQ	....	5000
KGO	....	7500
KOAM	D	1000
WGY	R	50000
XEFW	....	50000

- []
- a Santa Clara, Cuba, T. Rio Leon.
 - Ba San Francisco, Calif., NBC.
 - Na Pittsburg, Kans., Pittsburg Brdcastg. Co., Inc.
 - a Schenectady, N. Y., Gen. Electric Co.
 - a Tampico, Tams., Flores y Martinez.

820 kcs. (365.6 m.)

WBAP	ENa	50000
WFAA	ENa	50000
WTBO	L	250

- []
- a Fort Worth, Tex., Carter Publications, Inc.
 - a Dallas, Tex., A. H. Belo Corp.
 - Qa Cumberland, Md., Associated Brdcastg. Corp.

830 kcs. (361.2 m.)

CMAx	D	250
TIEP	....	3000
WCCO	C	50000
WNYC	L	1000
XELA	....	1000

- []
- a Artemisa, Cuba.
 - g San Jose, Costa Rica, Eduardo Pinto H.
 - a Minneapolis, Minn., Columbia Brdcastg. Sys.
 - a New York, N. Y., Municipal Brdcastg. Sys.
 - z Mexico City, D. F., Radio Metropolitana.

BROADCASTING STATIONS BY FREQUENCIES

840 kcs. (356.9 m.)

VOGY	...	400
WHAS	C	50000

a	St. John's, Nfld., Nfld. Hotel.
a	Louisville, Ky., Courier-Journal and Louisville Times

850 kcs. (352.7 m.)

KFUO	L	5000
KOA	R	50000
WEEU	DN	1000
WHDH	L	1000
WRUF	L	5000

a	Clayton, Mo., Evangelical Luthern Synod of Mo.
a	Denver, Colo., NBC, Inc.
a	Reading, Pa., Berks Brdcastg. Co.
a	Boston, Mass., Matheson Radio Co., Inc.
a	Gainesville, Fla., University of Fla.

860 kcs. (348.6 m.)

CFRB	C	10000
CMBL	...	5000
KTRB	DX	250
XEMO	...	5000
XEXX	...	5000

a	Toronto, Ont., Rogers Radio Brdcastg. Co., Ltd.
a	Havana, Cuba, Radio Cadena Suaritos.
a	Modesto, Calif., KTRB Brdcastg. Co., Inc.
a	Tijuana, B. Cfa., Fernando Federico Ferreira.
z	Mexico City, D. F., Univ. Nacional de Mexico.

870 kcs. (344.6 m.)

KIEV	D	250
WHCU	CL	1000
WKAR	D	5000
WWL	C	50000

a	Glendale, Calif., Cannon Sys. Ltd.
a	Ithaca, N. Y., Cornell University.
a	E. Lansing, Mich., Mich. State College.
a	New Orleans, La., Loyola University.

880 kcs. (340.7 m.)

WABC	C	50000
WHB	DM	1000
YV5RQ	882	1000

a	New York, N. Y., Columbia Brdcastg. Sys.
a	Kansas City, Mo., WHB Brdcastg. Co.
b	Carcas, Venez. "Radio Libertador."

890 kcs. (336.9 m.)

WENR	Ba	50000
WLS	Ba	50000

c	Chicago, Ill., NBC, Inc.
a	Chicago, Ill., Agricultural Brdcastg. Co.

900 kcs. (333.1 m.)

CHML	F	1000
CJBR	F	1000
CKBI	F	1000
CMKS	...	250
XEW	...	10000

a	Hamilton, Ont., Maple Leaf Radio Co., Ltd.
a	Rimouski, P. Q., J. A. Brilliant.
a	Prince Albert, Sask., Prince Albert Radio Corp.
a	Guantanamo, Cuba, Candido Savon Suarez.
a	Mexico City, D. F., Cadena Radiodifusora Mexicana.

910 kcs. (329.6 m.)

CBO	F	1000
CFJC	...	1000
CMCF	...	5000
KFKA	M2	1000
KLX	...	1000
KPOF	2	1000
KRRV	...	1000
KVAN	D	250
WCOC	C	1000
WFDF	B	1000
WGBI	3	500(1)
WIHL	...	1000
WQAN	3	500(1)
WRNL	B	1000
WSUI	...	1000(5)
XEAO	...	250

a	Ottawa, Ont., CBC.
Fa	Kamloops, B. C., Kamloops Sentinal Ltd.
Oa	Havana, Cuba, Cadena Azul.
a	Greeley, Colo., Mid-Western Radio Corp.
a	Oakland, Calif., Tribune Bldg. Co.
a	Denver, Colo., Pillar of Fire.
MTa	Sherman, Tex., Red River Valley Brdcastg. Corp.
a	Vancouver, Wash., Vancouver Radio Corp.
a	Meridian, Miss., Miss. Brdcastg. Co., Inc.
a	Flint, Mich., Flint Brdcastg. Co.
CQf	Scranton, Pa., Scranton Broadcasters, Inc.
a	Johnston City, Tenn., WJHL, Inc.
a	Scranton, Pa., Scranton Times.
a	Richmond, Va., Richmond Radio Corp.
a	Iowa City, Iowa, State University of Iowa.
a	Mexicali, B. Cfa., Chavez y Castro Sucs.

920 kcs. (325.9 m.)

CMJL	...	5000
KARK	N	5000
KFNF	2	500(1)
KFPY	C	5000
KTKC	M	1000

KUSD	2	500
WBAA	...	1000(5)
WBBB	DP	1000
WGST	C	1000(5)
WJAR	R	5000
WMMN	C	5000
XEBH	...	1000
XEMJ	...	200

z	Camaguey, Cuba, Gaspar Estevez P.
a	Little Rock, Ark., Ark. Radio & Equipment Co.
a	Shenandoah, Iowa, KFNF, Inc.
a	Spokane, Wash., Symons Brdcastg. Co.
f	Visalia, Calif., Tulare-Kings Counties Radio Associates.
a	Vermillion, S. Dak., University of S. Dak.
a	W. Lafayette, Ind., Purdue University.
z	Burlington, N. C. Alamance Brdcastg. Co. Inc.
a	Atlanta, Ga., Georgia School of Tech.
a	Providence, R. I., Outlet Co.
a	Fairmont, W. Va., Monongahela Valley Brdcastg. Co.
a	Hermosillo, Son., Carlos Balderrama.
z	Nueva Rosita, Coah.

BROADCASTING STATIONS BY FREQUENCIES

930 kcs. (322.4 m.)

CJCA	F	1000
CMKN	O	1000
KGBU	....	500
KIHJ	BMS	5000
KSEI	N	250(1)
WBEN	R	5000
WFMD	....	500
WJAX	N	1000(5)
WKY	N	5000
WLBL	D	5000
WPAT	DP	1000
WSAZ	....	1000
WTAD	C	1000

a	Edmonton, Alta., North Western Publishers. Ltd.
a	Santiago de Cuba, RHC-Cadena Azul.
a	Ketchikan, Alas., Alaska Radio & Service Co., Inc.
a	Los Angeles, Calif., Don Lee Brdstg. Sys.
a	Pocatello, Idaho, Radio Service Corp.
a	Buffalo, N. Y., WBEN, Inc.
a	Frederick, Md., The Monocacy Brdstg. Co.
a	Jacksonville, Fla., City of Jacksonville.
a	Oklahoma City, Okla., WKY Radiophone Co.
a	Stevens Point, Wis., State of Wis.
z	Paterson, N. J., North Jersey Brdstg. Co., Inc.
a	Huntington, W. Va., WSAZ, Inc.
a	Quincy, Ill., Ill. Brdstg. Corp.

940 kcs. (319 m.)

CBM	FR	5000
WFLA	....	1000(5)
WMAZ	LX	1000(5)
XEQ	....	5000

a	Montreal, P. Q., CBC.
a	Tampa, Fla., The Tribune Co.
Ca	Macon, Ga., Southeastern Brdst. Co., Inc.
a	Mexico City, D. F., Radio Panamericana.

950 kcs. (315.6 m.)

CMBZ	....	1000(5)
HIX	....	1000
KFEL	M	5000
KOMO	ER	5000
KPRC	ER	5000
WAAF	D	1000
WORL	D	1000
WPEN	....	5000
WSPA	C	1000(5)
WWJ	R	5000
XEGM	....	1000(2.5)

a	Havana, Cuba, Radio Salas.
a	Ciudad Trujillo, D. R., J.R., Saladin.
a	Denver, Colo., Eugene P. O'Fallon.
a	Seattle, Wash., Fishers Blend Station, Inc.
a	Houston, Tex., Houston Printing Corp.
a	Chicago, Ill., Drivers Journal Pub. Co.
a	Boston, Mass., Brdstg. Serv. Organization, Inc.
a	Philadelphia, Pa., Wm. Penn Brdstg. Co.
a	Spartanburg, S. C., Spartanburg Adv. Co.
a	Detroit, Mich., Evening News Ass'n.
z	Tiinana, B. Cfa.

960 kcs. (312.3 m.)

CFAC	F	1000
CHNS	F	1000
CMHN	E	1000
KMA	B	1000(5)
KROW	....	1000
WBRC	R	5000
WDBJ	C	5000
WELI	X	250(5)
WSBT	C	500
XEFF	....	1000
XEHK	....	250
XEOT	....	500
XEU	....	500
YV5RA	....	1000

a	Calgary, Alta., South Western Publishers, Ltd.
a	Halifax, N. S., Maritime Brdstg. Co., Ltd.
a	Santa Clara, Cuba, Cadena Radio Habana.
a	Shenandoah, Iowa, May Brdstg. Co.
a	Oakland, Calif., Educational Brdstg. Corp.
a	Birmingham, Ala., Birmingham Brdstg. Co., Inc.
a	Roanoke, Va., Times World Corp.
a	New Haven, Conn., City Brdstg. Corp.
a	South Bend, Ind., South Bend Tribune.
z	Nuevo Laredo, Tam., Rafael T. Carranza.
z	Guadalajara, Jal.
z	Hermosillo, Son.
a	Veracruz, Ver. C., Fernando Pazos S.
b	Caracas, Venezuela, Almacan Americano.

970 kcs. (309.1 m.)

CMKU	E	5000
KOIN	C	5000
WAAT	....	1000
WAVE	N	5000
WCSH	....	5000
WDAY	N	5000
WHA	D	5000
WICA	D	1000
XEJ	....	5000
XEK	....	500
XEO	....	750

a	Santiago de Cuba, Cadena Radio Habana.
a	Portland, Ore., KOIN, Inc.
a	Jersey City, N. J., Bremer Brdstg. Corp.
a	Louisville, Ky., WAVE, Inc.
RYa	Portland, Maine, Congress Square Hotel Co.
a	Fargo, N. Dak., WDAY, Inc.
a	Madison, Wis., University of Wis.
a	Ashabula, Ohio, WICA, Inc.
a	Juarez, Chih., Pedro Meneses, Jr.
a	Mexico City, D. F., Arturo Martinez.
z	Matamoros, Tam.

980 kcs. (306 m.)

CBV	F	1000
CIRM	F	1000
CKWX	F	1000
CMCK	....	5000
KFWB	E	5000
KMBC	C	5000
WHAL	DP	500
WRC	R	5000
WTRY	....	1000
XEFO	....	500
XEXT	....	1000
YV2RB	....	500

a	Quebec, P. Q., CBC.
a	Regina, Sask., Transcanada Comm. Ltd.
a	Vancouver, B. C., Western Brdstg. Co., Ltd.
a	Havana, Cuba, Luis Casa R.
a	Los Angeles, Calif., Warner Bros. Brdstg. Corp.
a	Kansas City, Mo., Midland Brdstg. Co.
z	Saginaw, Mich., Gross and Shields.
a	Washington, D. C., NBC, Inc.
Ba	Troy, N. Y., Troy Brdstg. Co., Inc.
z	Cananea, Son., Pedro L. Diaz.
z	Tepec, Nay., Gobierno del Estado de Navarrit.
b	San Cristobal, Ven., J. M. Diaz Gonzalez

BROADCASTING STATIONS BY FREQUENCIES

990 kcs. (302.8 m.)

CKY	F	15000
CMHT	....	250
WIBG	D	1000
WNOX	X	500(5)
XECL	....	5000
ZET	....	5000

- a []
- a Winnipeg, Man., Man. Telephone Sys.
- a Trinidad, Caba, Fernando E. Sato del Valle.
- a Glenside, Pa., Seaboard Radio Brdcastg. Corp.
- Ca Knoxville, Tenn., Scripps-Howard Radio, Inc.
- z Mexicali, B. Cfa., Alfonso A. Lacarra.
- a Monterrey, N. L., El Pregonero del Norte.

1000 kcs. (299.8 m.)

CMKW	....	1000
KJR	....	5000
WCFL	N	10000
WINS	X	1000
NEPX	....	10000

- a []
- a Santiago de Cuba, Claudio Alvarez Soriano.
- Ba Seattle, Wash., Fishers Bleed Station, Inc.
- a Chicago, Ill., Chicago Federation of Labor.
- Sa New York, N. Y., Hearst Radio, Inc.
- z Mexico City, D. F.

1010 kcs. (296.9 m.)

CBY	F	1000
CFCN	F	10000
CMX	....	10000
XEBG	....	500
XEON	....	500
YV5RG	....	1000

- a []
- a Toronto, Ont., CBC.
- a Calgary, Alta., Voice of the Prairies, Ltd.
- a Havana, Cuba, Casa Lavin.
- a Tijuana, B. Cfa., Angel B. Fernandez
- z Nogales, Son.
- b Caracas, Ven., "Emisoras Unidas."

1020 kcs. (293.9 m.)

KDKA	B	50000
KFVD	L	1000

- b []
- b Pittsburgh, Pa., Westinghouse Radio Stations, Inc.
- a Los Angeles, Calif., Standard Brdcastg. Co.

1030 kcs. (291.1 m.)

KOB	N	50000
WBZ	BS	50000
WBZA	BS	1000

- a []
- a Albuquerque, N. Mex., Albuquerque Brdcastg. Co.
- a Boston, Mass., Westinghouse Radio Stations, Inc.
- a Springfield, Mass., Westinghouse Radio Sta., Inc.

1040 kcs. (288.3 m.)

WHO	R	50000
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- a []
- a Des Moines, Iowa, Central Brdcastg. Co.

1050 kcs. (285.5 m.)

CMKG	250
WDZ	D	1000
WHN	X	1000(5)
NEG	....	150000
YV5RZ	....	300

- z []
- z Santiago, Cuba, Emilio Grau Medina
- a Tuscola, Ill., WDJZ Brdcastg. Co.
- a New York, N. Y., Marcus Loew Booking Agency
- z Monterrey, N. L.
- a La Guaira, Venezuela. "Emisora Vargas."

1060 kcs. (282.8 m.)

CMCM	....	250
CMJA	....	250
KYW	R	50000
XEST	....	50000

- a []
- a Havana, Cuba, Transradio Columbia
- a Camaguey, Cuba, Rafael Valdes
- a Philadelphia, Pa., Westinghouse Radio, Inc.
- z Mexico City, D. F.

1070 kcs. (280.2 m.)

CBA	F	50000
KFBI	....	1000(5)
KNX	C	50000
WEAU	L	1000(5)
WIBC	....	1000(5)

- a []
- a Sackville, N. B., Canadian Brdcastg. Corp.
- a Wichita, Kans., Farmers & Bankers Brdcastg. Corp.
- a Los Angeles, Calif., Columbia Brdcastg. System, Inc.
- a Eau Claire, Wis., Central Brdcastg. Co.
- a Indianapolis, Ind., Ind. Brdcastg. Corp.

1080 kcs. (277.6 m.)

HHK	....	25000
KRLD	C	50000
KWJJ	LX	500
KYOS	DM	250
WCAZ	D	250
WTIC	....	50000
YV6RE	....	250

- z []
- z Leogane, Haiti
- a Dallas, Tex., KRLD Radio Corp.
- a Portland, Ore., KWJJ Broadcast Co., Inc.
- a Merced, Calif., Merced Brdcastg. Co.
- a Carthage, Ill., Superior Brdcastg. Service, Inc.
- RYa Hartford, Conn., Travelers Brdcastg. Service Corp.
- a Barcelona, Venez., "Ondas del Neveri."

1090 kcs. (275.1 m.)

CMKX	....	250
HIN	....	150
KTHS	....	5000(10)
WBAL	BM	50000
WJAG	L	1000
XEHR	....	250
XERB	....	50000

- z []
- z Banes, Cuba, Oscar Vidal Benitez
- z Trujillo, D. R., J. M. Bonetti Burgos.
- Na Hot Springs, Ark., Chamber of Commerce
- a Baltimore, Md., WBAL Brdcastg. Co.
- a Norfolk, Nebr., Norfolk Daily News
- a Puebla, Pue.
- a Rosarito, B. Cfa., (Box 508, San Diego, Calif.)

BROADCASTING STATIONS BY FREQUENCIES

1100 kcs. (272.6 m.)

KJBS L 500
WTAM R 50000

1110 kcs. (270.1 m.)

CMBY D 250
WBT C 50000
WCBD L2XZ 5000
WBBI L2 5000
XEFO 20000

1120 kcs. (267.7 m.)

KMOX C 50000
YVIRF 350

1130 kcs. (265.3 m.)

CBR F 5000
CMKH 250
KGDH DM 1000
KWKH C 50000
WCAR D 1000
WDGY L 500(5)
WVOV 10000

1140 kcs. (263 m.)

KSOO LN 5000
WRVA CM 50000
XENT 50000
XEON 2000

1150 kcs. (260.7 m.)

CHSJ F 1000
CKOC F 500(1)
CKX F 1000
CMBQ 1000(5)
KFIO D 100
KFSG a 1000(2.5)
KRKD a 1000(2.5)
KRSC E 1000
KSAL 1000
KSWO DP 250
KTBC G 1000
WAPO N 1000(5)
WCOP 500
WDEL R 5000
WISN C 5000
WJBO B 5000
WKPA D 250
WTAW G 1000
XEJP 600
XEJS 500
YVIRD 1153 250
YV4RD 1153 200

1160 kcs. (285.5 m.)

KSL C 50000
WJTD L 20000
YV5RL 1000

1170 kcs. (256.3 m.)

KVOO 25000
WAPI Z 1000(5)
WWVA C 50000
XWCD 350

1180 kcs. (254.1 m.)

WHAM N 50000

1190 kcs. (252 m.)

CMCU 250
KEX B 50000
WOWO 10000
..... P 50000

1200 kcs. (249.9 m.)

TIRCC 500
WOAI EN 50000

[]

a San Francisco Calif., Julius Brunton & Sons Co.,
a Cleveland, Ohio, NBC, Inc.

[]

z Havana, Cuba, Av. de Menocal 159
a Charlotte, N. C., CBS.
a Chicago, Ill., WCBD, Inc.
g Chicago, Ill., Moody Bible Institute
a Mexico City, D. F., Partido de la Revolucion Mex.

[]

a St. Louis, Mo., CBS
a Maracaibo, Venez., "Ondas del Lago."

[]

a Vancouver, B. C., Canadian Brdcastg. Corp.
z Guantanamo, Cuba
f Stockton, Calif., E. F. Peffer
a Shreveport, La., International Brdcastg. Corp.
a Pontiac, Mich., Pontiac Brdcastg. Co.
Ma Minneapolis, Minn., Dr. Geo. W. Young
a New York, N. Y., Greater N. Y. Brdcastg. Corp.

[]

a Sioux Falls, S. Dak., S. F. Broadcast Ass'n.
a Richmond, Va., Larus & Bros. Co., Inc.
a Nuevo Laredo, Tam. Cia., Industrial Universal S.A.
a Tijuana, B. Cfa.

[]

a St. John, N. B., N. B. Brdcastg. Co.
a Hamilton, Ont., Wentworth Radio Brdcastg. Co., Ltd.
a Brandon, Man., Man. Telephone Sys.
a Havana, Cuba, Ideas Pazos
a Spokane, Wash., Spokane Brdcastg. Corp.
a Los Angeles, Calif., Echo Park Evangelistic Ass'n.
a Los Angeles, Calif., Radio Broadcasters, Inc.
a Seattle, Wash., Radio Sales Corp.
a Salina, Kans., KSAL, Inc.
z Lawton, Okla., W. Carver and B. Ross.
a Austin, Texas, State Capitol Brdcastg. Assn.
a Chattanooga, Tenn., W. A. Patterson
a Boston, Mass., Mass. Brdcastg. Corp.
a Wilmington, Del.
a Milwaukee, Wis., Hearst Radio, Inc.
a Baton Rouge, La., B. R. Brdcastg. Co., Inc.
a New Kensington, Pa., Alleghany-Kiski Brdcastg. Co.
a College Station, Tex., Agricultural & Mech. College
z Mexico City, D. F., Salvador Monterrubio
z Cananea, Son.
a Maracaibo, Venez., "Radiodifusora Maracaibo."
a Maracay, Venez., "Radio Marconi."

[]

a Salt Lake City, Utah, Radio Serv. Corp.
a Chicago, Ill., WJJD, Inc.
a Caracas, Venez., "Radio Tropical."

[]

Na Tulsa, Okla. Southwestern Sales Corp.
Ca Birmingham, Ala. Voice of Ala.
a Wheeling, W. Va., W. V. Brdcastg. Corp.
z Puebla, Pue., Ricardo Vazquez

[]

a Rochester, N. Y., Stromberg-Carlson Mfg. Co.

[]

a Havana, Cuba, Jorge Garcia Serra
a Portland, Ore., Oregonian Pub. Co.
Ba Fort Wayne, Ind., Westinghouse Radio Stations, Inc.
z Sonora, Son.

[]

z San Jose, Costa Rica, Carlos Borge.
a San Antonio, Tex., Southland Industries, Inc.

BROADCASTING STATIONS BY FREQUENCIES

1210 kcs. (247.8 m.)

WCAU C 50000



a Philadelphia, Pa., WCAU Brdcastg. Co.

1220 kcs. (245.8 m.)

CHAB F 1000
 CMKO 250
 TIGPH2 1225 1000
 XEB 100000



a Moose Jaw, Sask., CHAB, Ltd.
 a Holguin, Cuba, Manuel Angula Farran
 b San Jose, Costa Rica, "Nueva Alma Tica."
 a Mexico City, D. F., El Buen Tono, S. A.

1230 kcs. (243.8 m.)



CFCB F 100
 CHGB F 100
 CJC F 100
 CKNX 100
 CKTB F 100
 CKVD 100
 CMCO 2 250
 CMCW 2 250
 CMJE 250
 HHW 100
 KADA EM 250
 KAST 250
 KBTM 100(.25)
 KELO N 250
 KFDA 250
 KFJB 250
 KFND 250
 KFXJ 250
 KGDE 100(.25)
 KGFK G 100
 KGFJ 100
 KGH1 250
 KHAS 250
 KHBC CM 250
 KMLB 250
 KODL 100(.25)
 KOOS M 250
 KPHO P 250
 KPOW P 250
 KSUN E 350
 KVCV M 250
 KVEC M 250
 KVNU 250
 KVOS M 250
 KWG 100
 KWNO E 250
 KYSM EN 250
 WABI XZ 250
 WAIM C 250
 WAJR 250
 WAYX 250
 WBBZ M 250
 WBHP 250
 WBLI 250
 WBOW N 250
 WCAT G 100
 WCAX XZ 250
 WCBT 250
 WCFD 250
 WCLO 250
 WCOL 250
 WCPO 250
 WDLP 100(.25)
 WDSM 100
 WENY M 250
 WESX X 100
 WFTC 250
 WGRB P 250
 WHIC M 250
 WHBY E 250
 WHOP 250
 WIBX 250
 WIL 250
 WISE N 250
 WITB 250
 WJBC 250

a North Bay, Ont., R. H. Thomson
 a Ste. Anne de la Pocatiere, P. Q., G. Thos. Desjardins
 a Calgary, Alta., Albertan Pub. Co.
 a Wingham, Ont., Wingham Radio Club
 a St. Catharines, Ont., E. T. Sandell
 a Val d'Or, P. Q., La Voix d'Abitibi
 a Havana, Cuba, Enrique Lasanta
 a Havana, Cuba, J. Vilarino y Cia.
 z Camaguey, Cuba, Maceo No. 27
 z Port-au-Prince, Haiti
 a Ada, Okla., C. C. Morris.
 z Astoria, Ore., Astoria Brdcastg. Co.
 a Jonesboro, Ark., Regional Brdcastg. Co.
 a Sioux Falls, S. Dak., S. F. Broadcast Ass'n., Inc.
 MTa Amarillo, Tex., Amarillo Brdcastg. Corp.
 a Marshalltown Iowa, Marshall Elec. Co.,
 a Nampa, Idaho, Frank E. Hurt
 a Grand Junction, Colo., Western Slope Brdcastg. Co.
 a Fergus Falls, Minn., Charles L. Jareu
 f Sterling, Colo., Elmer G. Beehler
 a Los Angeles, Calif., Ben S. McGlashan
 a Little Rock, Ark., Ark. Brdcastg. Co.
 a Hastings, Nebr., Nebr. Brdcastg. Co.
 a Hilo, Hawaii, Hawaiian Brdcastg. Sys., Ltd.
 a Monroe, La., Limer's Brdcastg. Station, Inc.
 a The Dalles, Ore., Western Radio Corp.
 z Marshfield, Ore., KOOS, Inc.
 z Phoenix, Ariz., M. C. Reese
 z Powell, Wyo., Albert Joseph Meyer
 z Lowell, Ariz., Copper Elec. Co., Inc.
 a Redding, Calif., Golden Empire Brdcastg. Co.
 a San Luis Obispo, Calif., Valley Electric Co.
 a Logan, Utah, Cache Valley Brdcastg. Co.
 a Bellingham, Wash., KVOS, Inc.
 BEa Stockton, Calif., McClatchey Brdcastg. Co.
 a Winona, Minn., Winona Radio Serv.
 Ca Mankato, Minn., Southern Minn. Supply Co.
 a Bangor, Me., Community Brdcastg. Serv.
 a Anderson, S. C., Anderson College.
 a Morgantown, W. Va., W. Va. Radio Corp.
 a Wavcross, Ga., Jack Williams.
 a Ponca City Okla., Adelaide L. Carrell
 a Huntsville, Ala., Wilton Harvey Pollard
 a Dalton, Ga., Dalton Brdcastg. Corp.
 a Terra Haute, Ind., Banks of Wabash, Inc.
 a Rapid City, S. Dak., S. Dak. State School of Mines
 Ca Burlington, Vt., Bur. Daily News, Inc.
 a Roanoke Rapids, N. C., J. Winfield Crew, Jr.
 a DuBois, Pa., Tri-County Brdcastg. Co.
 a Janesville, Wis., Gazette Printing Co.
 Na Columbus, Ohio, WCOL, Inc.
 a Cincinnati, Ohio, Scripps-Howard Radio, Inc.
 a Panama City, Fla., P. C. Brdcastg. Co.
 Ma Superior, Wis., WDSM, Inc.
 a Elmira, N. Y., Elmira Star-Gazette, Inc.
 a Salem, Mass., North Shore Brdcastg. Co.
 a Kinston, N. C., Jonas Weiland
 z Grand Rapids, Mich., G. R. Brdcastg. Corp.
 a Canton, Ohio, Ohio Brdcastg. Co.
 a Appleton, Wis., WHBY, Inc.
 a Hopkinsville, Ky., Paducah Brdcastg., Co., Inc.
 CSa Utica, N. Y., WIBX, Inc.
 a St. Louis, Mo., Mo. Brdcasting Corp.
 a Asheville, N. C., Station WISE, Inc.
 a Baltimore, Md., Md. Brdcastg. Co.
 a Bloomington, Ill., Kaskaskia Brdcastg. Co.

BROADCASTING STATIONS BY FREQUENCIES

WJBW	....	250	a	New Orleans, La., Chas. C. Carlson
WJNO	C	250	a	W. Palm Beach, Fla., WJNO, Inc.
WJOB	....	100	a	Hammond, Ind., O. E. Richardson & F. L. Adair
WJRD	E	250	a	Tuscaloosa, Ala., James R. Doss, Jr.
WKBO	....	100(.25)	NQa	Harrisburg, Pa., Keystone Brdcastg. Corp.
WLOF	P	250	z	Orlando, Fla., Hazelwood, Inc.
WLOG	X	100	a	Logan, W. Va., C. H. Frey and R. O. Greever
WLVA	....	250	a	Lynchburg, Va., Lynchburg Brdcastg. Corp.
WMAW	P	250	z	Worcester, Mass., C. T. Sherer Co., Inc.
WMFR	....	250	a	High Point, N. C., Radio Station WMFR, Inc.
WMOB	....	250	a	Mobile, Ala., S. B. Quigley
WMPC	G	250	a	Lapeer, Mich., Liberty St. Gospel Church
WOLS	N	250	a	Florence, S. C., O. Lee Stone
WRBL	C	250	a	Columbus, Ga., Columbus Brdcastg. Co., Inc.
WSAM	G	100(.25)	a	Saginaw, Mich., Saginaw Brdcastg. Co.
WSKB	....	250	a	McComb, Miss., McComb Brdcastg. Corp.
WSOO	....	100(.25)	a	Sault Ste. Marie, Mich., Hiawathaland Brdcastg. Co.
WTHT	....	250	DMa	Hartford, Conn., Hartford Times, Inc.
WTOL	....	250	z	Toledo, Ohio, Community Brdcastg. Co.
YNOW	....	800	z	Managua, Nicaragua.
1240 kcs. (241.8 m.)				
CBI	F	100	a	Chicoutimi, P. Q., Canadian Brdcastg. Corp.
CFPR	....	50	a	Prince Rupert, B. C., Felix E. Batt
CHLT	....	100	a	Sherbrooke, P. Q., La Tribune, Ltd.
CJCS	....	50	a	Stratford, Ont., Frank M. Squires
CKKC	F	100	a	Hull, P. Q., CKKH Radio Brdcastg. Co. of Hull, Ltd.
CKMC	....	50	a	Cobalt, Ont., R. L. MacAdam
CKNB	F	100	a	Campbellton, N. B., Dr. Charles Houde
CMGF	....	250	z	Matanzas, Cuba, Bernabe R. de la Torre
KALB	....	250	a	Alexandria, La., Alex. Brdcastg. Co., Inc.
KANS	N	250	a	Wichita, Kans., KANS Brdcastg. Co.
KASA	....	100	Ma	Elk City, Okla., E. M. Woody
KAWE	....	250	a	Carlsbad, N. Mex., Carlsbad Brdcastg. Co.
KBIZ	P	250	z	Ottumwa, Iowa, J. D. Falvey
KDLR	....	250	a	Devils Lake, N. Dak., KDLR, Inc.
KDON	....	100	Ma	Monterey, Calif., Monterey Peninsula Brdcastg. Co.
KFJI	....	100	a	Klamath Falls, Ore., KFJI Broadcasters, Inc.
KFOR	EM	250	a	Lincoln, Nebr., Cornbelt Brdcastg. Corp.
KFXM	2M	250	a	San Bernardino, Calif., Lee Bros. Brdcastg. Co.
KGBS	P	250	z	Harlingen, Tex., Harbenito Brdcastg. Co.
KGY	....	100	Ma	Olympia, Wash., KGY, Inc.
KHIG	....	250	a	Okmulgee, Okla., Okmulgee Brdcastg. Corp.
KIUL	....	100	a	Garden City, Kans., Garden City Brdcastg. Co.
KOCA	....	250	a	Kilgore, Tex., Oil Capital Brdcastg. Ass'n.
KOVO	EM	250	a	Pilgrove, Utah, Citizens Voice and Air Show.
KPPA	EN	250	a	Helena, Mont., Peoples Forum of the Air.
KPPC	2	100	a	Pasadena, Calif., Pasadena Presb. Church.
KROY	....	100	Ca	Sacramento, Calif., Royal Miller.
KVSO	....	100(.25)	Ma	Ardmore, Okla., Ardmore Pub. Co., Inc.
KWAT	....	250	a	Watertown, S. Dak., Midland National Life Ins. Co.
KWIL	....	250	a	Albany, Ore., Central Willamette Brdcastg. Co.
KWJB	E	250	a	Globe, Ariz., Sims Brdcastg. Co.
KWLC	D	250	a	Decorah, Iowa, Luther College.
KXOX	....	250	a	Sweetwater, Tex., Sweetwater Radio, Inc.
KYUM	E	250	a	Yuma, Ariz., Yuma Brdcastg. Co.
WATN	....	250	a	Watertown, N. Y., Watertown Brdcastg. Corp.
WBAX	....	100	Ma	Wilkes-Barre, Pa., John H. Stenger, Jr.
WBBL	G5	100	a	Richmond, Va., Grace Covenant Presb. Church.
WBTR	P	250	z	Knoxville, Tenn., J. W. Birdwell.
WBML	P	250	z	Macon, Ga., Middle Georgia Brdcastg. Co.
WBRB	4	100	z	Red Bank, N. J., Monmouth Brdcastg. Co.
WCOU	....	250	MYa	Lewiston, Maine, Twin City Brdcastg. Co., Inc.
WCOV	C	250	a	Montgomery, Ala., Capital Brdcastg. Co., Inc.
WCRW	G3	100	a	Chicago, Ill., Clinton R. White.
WEBQ	....	250	a	Harrisburg, Ill., Harrisburg Brdcastg. Co.
WEDC	G3	250	a	Chicago, Ill., Emil Denemark, Inc.
WFAS	4	250	a	White Plains, N. Y., Westchester Brdcastg. Corp.
WFOY	C	250	a	St. Augustine, Fla., Fountain of Youth Brdcastg. Co.
WFTM	....	250	a	Fort Myers, Fla., Ft. Myers Brdcastg. Co.
WGAC	....	250	a	Augusta, Ga., Twin States Brdcastg. Co.
WGBB	4	100	a	Freeport, N. Y., Harry H. Carman.
WGCM	....	250	a	Gulfport, Miss., WGCM, Inc.
WGGG	P	250	z	Gainesville, Ga., Gainesville Broadcasters.
WGRR	....	250	a	Greenwood, Miss., P. K. Ewing.
WHAI	....	250	MYa	Greenfield, Mass., John W. Haigis.
WHBU	....	250	a	Anderson, Ind., Anderson Brdcastg. Corp.
WHIZ	N	250	a	Zanesville, Ohio, Southern Ohio Broadcasters, Inc.
WIBU	E	250	a	Poynette, Wis., Wm. C. Forrest
WINN	....	100(.25)	a	Louisville, Ky., Kentucky Brdcastg. Corp.

BROADCASTING STATIONS BY FREQUENCIES

WJBY	E	250	a	Gadsden, Ala., Gadsden Brdcastg. Co., Inc.
WJEJ	.....	250	a	Hagerstown, Md., Hagerstown Brdcastg. Co.
WJIM	B	250	z	Lansing, Mich., WJIM, Inc.
WJLS	.....	250	z	Beckley, W. Va., Joe L. Smith, Jr.
WJMC	.....	250	a	Rice Lake, Wis., Walter H. Mc Genty.
WJTN	.....	250	BSa	Jamestown, N. Y., James Brdcastg. Co., Inc.
WJW	M	250	a	Akron, Ohio, WJW, Inc.
WKOK	.....	250	a	Sunbury, Pa., Sunbury Brdcastg. Corp.
WLAG	P	250	z	La Grange, Ga., La Grange Brdcastg. Co.
WLOK	.....	250	z	Lima, Ohio, Fort Industry Co.
WLMF	.....	250	Ca	Hibbing, Minn., Head of the Lakes Brdcastg. Co.
WOCB	.....	250	a	Hyannis, Mass., Cape Cod Brdcastg. Co.
WOMT	.....	100	a	Manitowoc, Wis., Francis M. Kadow.
WPAX	.....	250	a	Thomasville, Ga., H. Wimpy.
WPID	5	250	a	Petersburg, Va., Petersburg Newspaper Corp.
WRAL	M	250	z	Raleigh, N. C., Capitol Brdcastg. Co.
WSAY	.....	250	MSa	Rochester, N. Y., Brown Radio Service.
WSBC	G3	250	a	Chicago, Ill., WSBC, Inc.
WSIX	XZ	250	Ma	Nashville, Ten., WSIX, Inc.
WSNJ	.....	250	a	Bridgeton, N. J., Eastern States Brdcastg. Corp.
WSOC	MN	350	a	Charlotte, N. C., Radio Station WSOC, Inc.
WTAX	.....	100	a	Springfield, Ill., WTAX, Inc.

1250 kcs. (239.9 m.)

CMHO	.....	250	z	Santa Clara, Cuba.
CMKC	.....	250	a	Santiago de Cuba, Pinol Battle y Co.
KFKU	a	1000(5)	a	Lawrence, Kans., University of Kansas.
KPAC	.....	500	a	Port Arthur, Tex., Port Arthur College.
KTMS	BE	1000	a	Santa Barbara, Calif., News-Press Pub. Co.
KTW	2	1000	a	Seattle, Wash., First Presb. Church.
KVSC	2	5000	a	Pullman, Wash., State College of Wash.
WCAD	D	500	a	Canton, N. Y., St. Lawrence University.
WCAE	MR	5000	a	Pittsburgh, Pa., WCAE, Inc.
WDAE	C	5000	a	Tampa, Fla., Tampa Times Co.
WGNV	D	250	a	Newburgh, N. Y., WGNV Brdcastg. Co., Inc.
WREN	Ba	1000(5)	u	Lawrence, Kans., WREN Brdcastg. Co.
WTMA	N	1000	a	Charleston, S. C., Atlantic Coast Brdcastg. Co.
XEAT	.....	600	a	Parral, Chih., Box 90.
XEDK	.....	500	z	Guadalajara, Jal., Salvador Vasquez T.
XEBF	.....	250	z	Monterrey, N. L., Mexico, Radio Tarneva.
XETF	.....	500	a	Veracruz Ver. C., Jose Rodriguez Lopez.
YVIRK	.....	350	a	Maracaibo, Venezuela, Jose A. Higuera.

1260 kcs. (238 m.)

CFRN	F	1000	a	Edmonton, Alta., G. R. A. Rice.
CMBF	.....	5000	a	Havana, Cuba, Radio Emisora Nacional.
KGBX	N	5000	a	Springfield, Mo., Springfield Brdcastg. Co.
KGGM	C	1000	a	Albuquerque, N. Mex., New Mexico Brdcastg. Co.
KYA	E	1000(5)	a	San Francisco, Calif., Hearst Radio, Inc.
WFBM	C	5000	a	Indianapolis, Ind., WFBM, Inc.
WNAC	.....	5000	RYa	Boston, Mass., The Yankee Network, Inc.
WOL	M	1000	a	Washington, D. C. American Brdcastg. Co.
XEBL	.....	500	z	Mazatlan, Sin., Ignacio L. Saiz.
XFBM	.....	150	z	San Luis Potosi, S. L. P., Benjamin Briones.
XFBP	.....	250	z	Torreón, Coah.
XEBU	.....	100	z	Chihuahua, Chih., Feliciano Lopez Islas.
XEDF	.....	250	a	Laredo, Tams.
XEDW	.....	250	a	Minatitlan, Ver. C., Hector Silva Canto.
NEL	.....	750	z	Mexico City, D. F.

1270 kcs. (236.1 m.)

CICB	F	1000	a	Sydney, N. S., Eastern Broadcasters, Ltd.
CMJM	O	1000	a	Ciego de Avila, Cuba, RHC-Cadena Azul.
KFIZ	.....	5000	MTa	Fort Worth, Tex., Tarrant Brdcastg. Co.
KGCU	.....	250	a	Mandan, N. Dak., Mandan Radio Ass'n.
KTFI	N	1000	a	Twin Falls, Idaho, Radio Brdcastg. Corp.
WHBF	M	5000	a	Rock Island, Ill., Rock Island Brdcastg. Co.
WSPR	.....	500	DMA	Springfield, Mass., WSPR, Inc.
WXYZ	B	5000	a	Detroit, Mich., King-Trendle Brdcastg. Corp.
XEBA	.....	250	z	Guzman, Jal., Javier Velasco.
XEBC	.....	100	z	Morelia, Micho.
XEDL	.....	500	a	Navojoa, Son.
XEDN	.....	250	z	Camargo, Chih.
XEFM	.....	100	z	Leon, Gto.
XEFV	.....	100	z	Juarez, Chih., Dario Cordoba.
XEME	.....	500	a	Merida, Yuc., Perfecto Villamil Cisero.
XEXH	.....	500	z	Oaxaca, Oax.
YV3RA	.....	1500	a	Barquisimeto, Venezuela. "Radio America."

BROADCASTING STATIONS BY FREQUENCIES

1280 kcs. (234.2 m.)

CMHA	.....	250
KFOX	.....E	1000
KIT	.....M	1000
WDSU	.....B	5000
WGBF	.....N	1000(5)
WHBI	.....2	1000(2.5)
WKST	.....	1000
WMRO	.....D	250
WNEW	.....2	5000
WTCN	.....B	1000(5)
XEAG	.....	250
XEBW	.....	600
XEE	.....	100
XELK	.....	100
XEOX	.....	250
XERL	.....	250
XEX	.....	500
XEXJ	.....	100



z	Sagua la Grande, Cuba, Abelardo Menocal.
a	Long Beach, Calif., Nichols & Warinner, Inc.
a	Yakima, Wash., Carl E. Haymond.
a	New Orleans, La., WDSU, Inc.
a	Evansville, Ind., Evansville on the Air, Inc.
a	Newark, N. J., May Radio Brdcastg. Corp.
a	New Castle, Pa., WKST, Inc.
a	Aurora, Ill., Martin R. O'Brien.
a	New York, N. Y., Wodaam Corp.
a	Minneapolis, Minn., Minnesota Brdcastg. Corp.
z	Cordoba, Ver. C., Diodoro Zuniga.
a	Chihuahua, Chih.
a	Durango, Dgo., Alejandro Stevenson, Jr.
a	Zacatecas, Zac.
a	Los Mochis, Sin.
z	Colima, Col. J. Roberto Levy.
a	Monterrey, N. L., El Heraldo del Comercio.
z	Tuxtla Gutierrez, Chis.

1290 kcs. (232.4 m.)

CMCH	.....2	250
CMCX	.....2	250
CMKD	.....	1000
KGVO	.....C	1000
KHSL	.....M	500(1)
KOIL	.....EMC	5000
KRGV	.....	1000
KVOA	.....D	5000
KVOA	.....EN	1000
WFVA	.....D	250
WHIO	.....C	5000
WHLD	.....D	1000
WKNE	.....CM	5000
WTOC	.....C	1000(5)
XEAP	.....	100
XEDA	.....	1000

MNYA

a	Havana, Cuba, Radio Popular.
z	Havana, Cuba, "La Onda Popular"
a	Santiago de Cuba, Radioemisora Oriental.
a	Missoula, Mont., Mosby's, Inc.
a	Chico, Calif., Golden Empire Brdcastg. Co.
a	Omaha, Nebr., Central States Brdcastg. Co.
a	Weslaco, Tex., KRGV, Inc.
a	Siloam Springs, Ark., KUOA, Inc.
a	Tucson, Ariz., Arizona Brdcastg. Co., Inc.
z	Fredericksburg, Va., Fredericksburg Brdcastg. Corp.
a	Dayton, Ohio, Miami Valley Brdcastg. Corp.
a	Niagara Falls, N. Y., Niagara Falls Gazette Pub. Co.
a	Keene, N. H., Twin States Brdcastg. Corp.
a	Savannah, Ga., Savannah Brdcastg. Co.
z	Obergon, Son., Emilio Manzanilla.
z	Mexico City, D. F., Pedro Riestra Diaz.

1300 kcs. (230.6 m.)

CMAN	.....O	1000
CMJF	.....	250
KGLO	.....C	1000
KOL	.....X	1000(5)
KWOR	.....a	1000
WASH	.....C	500
WFBR	1000(5)
WDXR	1000(5)
WOODa	500
WVNYDP	500
XEGF	100
XEP	500
XES	5000
XVIRA	100

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a	Pinar del Rio, Cuba, RHC-Cadena Azul.
z	Camaguey, Cuba, John L. Stowers.
a	Mason City, Iowa, Mason City Globe Gazette Co.
Ma	Seattle, Wash., Seattle Brdcastg. Co., Inc.
a	Colorado Springs, Colo., Out West Brdcastg. Co.
Na	Grand Rapids, Mich., King-Trendle Brdcastg. Corp.
Ra	Baltimore, Md., Baltimore Radio Show, Inc.
a	Jackson, Miss., Lamar Life Ins. Co.
Na	Grand Rapids, Mich., King-Trendle Brdcastg. Corp.
z	Watertown, N. Y., The Brockway Co.
z	Cullacan, Sin.
a	Juarez, Chih., Estaban Perra.
a	Tampico, Tam., Fernando Sada.
a	Maracaibo, Venezuela

1310 kcs. (228.9 m.)

CMGN	.....O	1000
KFBB	.....C	5000
KLS	.....	1000
TGI	.....	.....
WCAM	.....2	500
WCAP	.....2	500
WDOD	.....C	5000
WIBA	.....N	5000
WISHP	1000(5)
WORCC	1000
WRR	5000
WTNI2	500
XEAD	500
XEC	100
XEHB	1000
XEMG	250

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a	Jovellanos, Cuba, RHC-Cadena Azul.
a	Great Falls, Mont., Buttrey Broadcast, Inc.
a	Oakland, Calif., Warner Bros.
d	Guatemala City, Guat., "Radio Morse."
a	Camden, N. J., City of Camden.
a	Asbury Park, N. J., Radio Industries Broadcast Co.
c	Chattanooga, Tenn., WDOD Brdcastg. Corp.
a	Madison, Wis., Badger Brdcastg. Co., Inc.
z	Indianapolis, Ind., Captiol Brdcastg. Corp.
a	Worcester, Mass., Alf Frank Kleindienst.
MTa	Dallas, Tex., City of Dallas.
a	Trenton, N. J., WOAX, Inc.
z	Guadalajara, Jal.
a	Tijuana, B. Cfa., Luis F. Encisco.
z	Veracruz, Ver. C.
z	Monterrey, N. L.

1320 kcs. (227.1 m.)

CMHP	.....	250
CMKE	.....	250



z	Placetos, Cuba, Guevara y Gonzalez.
a	Manzanillo, Cuba.

BROADCASTING STATIONS BY FREQUENCIES

KDYL	R	5000	a	Salt Lake City, Utah, Intermountain Brdstg. Corp.
KLCN	D	100	a	Blytheville, Ark., Fred O. Grimwood.
KTRH	XZ	5000	Ca	Houston, Tex., KTRH Brdstg. Co.
WATR	X	250	Dma	Waterbury, Conn., WATR Co., Inc.
WBCS	N	5000	a	Duluth, Minn., Head of the Lakes Brdstg. Co.
WJAS	C	5000	a	Pittsburgh, Pa., Pittsburgh Radio Supply House.
WJHP	....	250	a	Jacksonville, Fla., The Metropolis Co.
WNBZ	D	100	a	Saranac Lake, N. Y., Up-State Brdstg. Corp.
WNEL	....	5000	a	San Juan, P. R., Juan Piza.
XEAI	....	500	z	Mexico City, D. F., Carmen Gutierrez.
XESY	....	200	z	Nogales, Son.

1330 kcs. (225.4 m.)

CMBG	2	1500	z	Havana, Cuba, John L. Stowers.
CMBS	2	250	z	Havana, Cuba, Enrique Artalejo.
KALE	M	5000	a	Portland, Ore., KALE, Inc.
KFAC	....	1000	a	Los Angeles, Calif., Los Angeles Brdstg. Co., Inc.
KFH	C	5000	a	Wichita, Kans., Radio Station KFH Co.
WBRR	2	1000	a	Brooklyn, N. Y., Watch Tower Bible & Tract Society, Inc.
WEVD	2X	1000	a	New York, N. Y., Debs Memorial Radio Fund, Inc.
WFBC	N	5000	a	Greenville, S. C., Greenville News-Piedmont Co.
WHAZ	2	1000	a	Troy, N. Y., Rensselaer Polytechnic Institute.
WHBL	X	250(1)	g	Sheboygan, Wis., Press Pub. Co.
WL0L	....	1000	a	Minneapolis, Minn., Independent Merchants Brdstg. Co.
XEBO	....	600	z	Irapuato, Gto., Alfonso Martinez.
XEKS	....	100	z	Saltillo, Coah.

1340 kcs. (223.7 m.)

CFGP	....	250	a	Grande Prairie, Alta., Northern Brdstg. Corp.
CHCK	....	50	a	Charlottetown, P. E. I., CHCK Radio Brdstg. Co.
CHWK	F	100	a	Chilliwack, B. C., Chilliwack Brdstg. Co., Ltd.
CJLS	F	100	a	Yarmouth, N. S., Laurie L. Smith.
CKCO	F	100	a	Ottawa, Ont., Dr. G. M. Geldert.
CKCV	F	100	a	Quebec, P. Q., CKCV, Ltd.
CMCT	....	250	z	Camaguey, Cuba, Calle Cisneros y General Gomez.
KAND	X	100	z	Corsicana, Tex., Navarro Brdstg. Assn.
KARM	C	250	z	Fresno, Calif., KARM, The George Harm Station
KBND	....	250	z	Bend, Ore., The Bend Bulletin.
KCKN	E	250	a	Kansas City, Kans., KCKN Brdstg. Co.
KCRJ	E	250	a	Jerome, Ariz., Central Arizona Brdstg. Co.
KFPL	....	100(25)	i	Dublin, Tex., C. C. Baxter.
KFYO	....	250	MTa	Lubbock, Tex., Plains Radio Brdstg. Co.
KGEZ	XZ	250	a	Kalispell, Mont., Donald C. Treloar.
KGFV	....	250	a	Kearney, Nebr., Central Nebraska Brdstg. Corp.
KHMO	P	250	a	Hannibal, Mo., Courier-Post Pub. Co.
KHUB	....	250	z	Watsonville, Calif., John P. Scripps.
KMYR	P	100(25)	z	Denver, Colo., F. W. Meyer.
KOCY	....	250	a	Oklahoma City, Okla., Plaza Court Brdstg. Co.
KOME	EM	250	z	Tulsa, Okla., Oil Capital Sales Corp.
KPDN	....	100	a	Pampa, Tex., R. C. Hoiles.
KRBA	D	250	a	Lufkin, Tex., Red Lands Brdstg. Assn.
KRIF	P	250	z	Miles City, Mont., Star Printing Co.
KRMD	....	250	a	Shreveport, La., KRMD, Inc.
KROC	EN	250	a	Rochester, Minn., Southern Minn. Brdstg. Co.
KROS	P	250	z	Clinton, Iowa, Clinton Brdstg. Corp.
KSUB	....	100	a	Cedar City, Utah, Southern Utah Brdstg. Co.
KUIN	....	250	a	Grants Pass, Ore., Southern Oregon Brdstg. Co.
KVIC	....	250	a	Victoria, Tex., Radio Enterprises, Inc.
KVOL	....	250	a	Lafayette, La., Evangeline Brdstg. Co., Inc.
KVOX	E	250	a	Moorhead, Minn., KVOX Brdstg. Co.
KVSF	C	100	a	Santa Fe, N. Mex., N. Mex. Brdstg. Co.
KWFC	....	250	a	Hot Springs, Ark., Hot Springs Brdstg. Co.
KWLM	....	100	a	Willmar, Minn., Lakeland Brdstg. Co.
KWOC	....	250	a	Poplar Bluff, Mo., Radio Station KWOC.
KWOS	....	250	a	Jefferson City, Mo., Tribune Printing Co.
KYRO	M	250	a	Aberdeen, Wash., KYRO, Inc.
WAIR	DM	250	a	Winston-Salem, N. C., Radio Station WAIR.
WAML	....	250	a	Laurel, Miss., New Laurel Radio Station, Inc.
WBRE	....	250	NQa	Wilkes-Barre, Pa., Louis G. Baltimore
WBRK	....	250	DMya	Pittsfield, Mass., Monroe B. England
WBRW	....	250	a	Welch, W. Va., Mc Dowell Service Co.
WCLS	....	250	a	Joliet, Ill., WCLS, Inc.
WCMT	M	250	a	Ashland, Ky., Ashland Brdstg. Co.
WDAK	....	250	a	West Point, Ga., Valley Brdstg. Co.
WDMJ	....	250	a	Marquette, Mich., Lake Superior Brdstg. Co.
WEBR	B	250	a	Buffalo, N. Y., WEBR, Inc.
WEIM	P	250	z	Fitchburg, Mass., Ruben E. Aronheim.
WEMP	....	250	a	Milwaukee, Wis., Milwaukee Brdstg. Co.
WEXL	X	50	a	Royal Oak, Mich., Royal Oak Brdstg. Co.

BROADCASTING STATIONS BY FREQUENCIES

WFBG	R	250	a	Altoona, Pa., Gable Brdcastg. Co.
WFHR	....	250	a	Wisconsin Rapids, Wis., Wm. F. Huffman.
WFIG	....	100(.25)	a	Sumter, S. C., J. Samuel Brody.
WGAU	....	250	a	Athens, Ga., J. K. Patrick & Co.
WGJ	K	250	a	Newport News, Va., Hampton Roads Brdcastg. Corp.
WGTM	....	250	a	Wilson, N. C., WGTM, Inc.
WHAT	2	100	a	Philadelphia, Pa., Independent Brdcastg. Co., Inc.
WINX	....	250	a	Washington, D. C., Lawrence J. Heller.
WIZE	....	100	a	Springfield, Ohio, Radio Voice of Springfield, Inc.
WJMA	P	250	a	Covington, Va., Arrington & Arrington.
WJPF	....	250	a	Herrin, Ill., Orville W. Lyerla.
WJPR	....	250	a	Greenville, Miss., John R. Pepper.
WLAK	N	250	z	Lakeland, Fla., Lake Region Brdcastg. Co.
WLAV	....	250	a	Grand Rapids, Mich., Leonard A. Verslius.
WLBC	....	250	a	Muncie, Ind., Donald A. Burton.
WLBJ	....	250	a	Bowling Green, Ky., Bowling Green Brdcastg. Co.,
WLNH	....	250	MYa	Laconia, N. H., Northern Brdcastg. Co.
WMBO	....	250	Sa	Auburn, N. Y., WMBO, Inc.
WMFF	B	250	MYa	Plattsburg, N. Y., Plattsburg Brdcastg. Corp.
WNBH	....	250	DMYa	New Bedford, Mass., E. Anthony & Sons, Inc.
WPER	....	250	z	De Land, Fla., Tropical Brdcastg. Co.
WRAW	....	250	NQa	Reading, Pa., Reading Brdcastg. Co.
WSAJ	G	100	a	Grove City, Pa., Grove City College.
WSAV	N	250	a	Savannah, Ga., WSAV, Inc.
WSGN	XZ	250	BEMa	Birmingham, Ala., Birmingham News Co.
WSOY	....	250	a	Decatur, Ill., Commodore Brdcastg., Inc.
WSTV	....	250	a	Steubenville, Ohio, Valley Brdcastg. Co.
WTAL	....	100(.25)	a	Tallahassee, Fla., Florida Capitol Brdcastg., Inc.
WTEL	2	100	a	Philadelphia, Pa., Foulkrod Radio Eng. Co.
WTRC	....	250	a	Elkhart, Ind., Truth Pub. Co., Inc.
XEAA	....	250	a	Mexicali, B. Cia., Alberto Gonzalez.
XEBK	....	100	a	Nuevo Laredo, Tam., Guajardo y Cortes.
XECA	....	250	z	Tampico, Tam., Nicolas M. Picet.
XECF	....	150	z	Los Mochis, Sin., Francisco Perez H.
XECW	....	250	a	Cordoba, Ver. C., Voz del Sudeste de Mexico.
XEDH	....	200	a	Villa Acuna, Coah., Vicente Hernandez.
XEFC	....	250	a	Merida, Yuc., Julio Molina Font.
XEFZ	....	250	z	Coatzacoalcos, Ver. C., Pedro E. Rocher.
XFIK	....	100	z	Chihuahua, Chih., Manuel Armendariz.
XFLW	....	250	a	Guadalajara, Jal.
XEMA	....	100	z	Fresnillo, Zac., Jose Ma. Acevedo Moya.
XEXS	....	100	z	Toluca, Mex., Instituto Cientifico y Literario
....	P	250	z	Cedartown, Ga., Northwest Ga. Brdcastg. Co.

1350 kcs (222.1 m.)

CMHJ	....	250	a	Cienfuegos, Cuba, Romualdo Ugalde.
CMKY	....	100	z	Puerto Padre, Cuba.
HIZ	....	200	z	Trujillo, D. R.
KGHF	B	500	a	Pueblo, Colo., Curtis P. Ritchie.
KID	....	500(.5)	a	Idaho Falls, Idaho, KID Brdcastg. Co.
KRNT	C	5000	a	Des Moines, Iowa, Iowa Brdcastg. Co.
KSRO	....	1000	a	Santa Rosa, Calif., Ernest L. Finley.
WADC	C	5000	a	Akron, Ohio, Allen T. Simmons.
WORK	....	1000	INQa	York, Pa., York Brdcastg. Co.
WSMB	R	5000	a	New Orleans, La., WSMB, Inc.
NEQK	....	1000	z	Mexico City, D. F.
XETB	....	500	a	Torreón, Coah., Aurelio G. Zaragoza.
XETM	....	1000	z	Naco, Son.
YV4RA	....	830	b	Valencia, Venezuela, "La Voz de Carabobo."

1360 kcs. (220.4 m.)

CMC	3	250	a	Havana, Cuba, Valdez y Cia.
CMOA	3	250	a	Havana, Cuba, Juan Fernandez Duran.
KGB	M	1000	a	San Diego, Calif., Don Lee Brdcastg. System.
KMO	M	5000	a	Tacoma, Wash., Carl E. Haymond.
KRIS	....	1000	MTa	Corpus Christi, Tex., Gulf Coast Brdcastg. Co.
KSCJ	N	5000	a	Sioux City, Iowa, Sioux City Journal.
WDRC	C	5000	g	Hartford, Conn., WDRC, Inc.
WKAT	....	1000	a	Miami Beach, Fla., A. Frank Katzentine.
WSAI	MN	5000	a	Cincinnati, Ohio, Crosley Corp.
WTAQ	C	5000	a	Green Bay, Wis., WHBY, Inc.
XEBI	....	250	a	Aguascalientes, Ags., Pedro C. Rivas
XFSA	....	500	z	Culiacan, Sin.
XEWG	....	1000	z	Tuarez, Chih.

1370 kcs. (218.8 m.)

CMAC	P	100	z	Guanajay, Cuba.
CMTH	....	250	d	Ciego de Avila, Cuba, Luis Maraui H.
KDTH	P	1000	z	Dubuque, Iowa, Telegraph Herald Co.
KFRO	....	1000	MTa	Longview, Tex., Voice of Longview.

BROADCASTING STATIONS BY FREQUENCIES

KGIR	EN	5000	a	Butte, Mont., KGIR, Inc.
KGNO	...	250(1)	c	Dodge City, Kans., Dodge City Brdcastg. Co.
WCOA	N	500(1)	a	Pensacola, Fla., Pensacola Brdcastg. Co.
WFEA	...	5000	DMNYa	Manchester, N. H., N. H. Brdcastg. Co.
WFNC	D	250	a	Fayetteville, N. C., Cumberland Brdcastg. Co.
WPAB	...	1000	a	Ponce, P. R., Portorican American Brdcastg. Co. Inc.
WSPD	R	5000	a	Toledo, Ohio, The Fort Industry Co.
XEA	...	250	z	Campeche, Cam.
XEAF	...	1000	a	Nogales, Son.
XEHL	...	500	z	Guadalajara, Jal.
XEMR	...	500	z	Monterrey, N. L.
YVIRW	...	1000	z	Coro, Venezuela, Radio Coro.

1380 kcs. (217.3 m.)

CKPC	...	100	a	Brantford, Ont., Telephone City Brdcastg. Ltd.
CMHK	...	250	z	Cruces, Cuba, R. G. Gonzalez.
KBWD	P	500	z	Brownwood, Tex., Brown County Brdcastg. Co.
KIDO	...	1000(2.5)	Na	Boise, Idaho, Boise Brdcastg. Station.
KTSM	N	500	a	El Paso, Tex., Tri-State Brdcastg. Co., Inc.
KWK	BM	5000	a	St. Louis, Mo., Thomas Patrick, Inc.
WAWZ	2	1000	a	Zarephath, N. J., Pillar of Fire.
WBNX	2	5000	a	New York, N. Y., WBNX Brdcastg. Co., Inc.
WMBG	R	1000(5)	a	Richmond, Va., Havens & Martin, Inc.
WTSF	...	500(1)	a	St. Petersburg, Fla., Pinellas Brdcastg. Co.
XELF	...	250	z	Nuevo Laredo, Tam.
XEMX	...	500	z	Mexico City, D. F.

1390 kcs. (215.7 m.)

CMBX	2	250	a	Havana, Cuba, Alberto Alvarez.
CMCB	2	250	a	Havana, Cuba, La Metropolitana.
CMKR	...	250	z	Santiago de Cuba, Jaime Nadal.
KCRC	X	250	EMa	Enid, Okla., Enid Radiophone Co.
KGFR	...	1000	a	Long Beach, Calif., Consolidated Brdcastg. Corp.
KLPM	...	1000	a	Minot, N. Dak., John B. Cooley.
KSLM	M	1000	a	Saleni, Ore., Oregon Radio, Inc.
WCSB	...	500(1)	Ca	Charleston, S. C., S. C. Brdcastg. Co., Inc.
WFBL	C	5000	a	Syracuse, N. Y., Onondaga Radio Brdcastg. Corp.
WGES	GX	500(1)	a	Chicago, Ill., Oak Leaves Brdcastg. Station, Inc.
WQBC	D	1000	a	Vicksburg, Miss., Delta Brdcastg. Co., Inc.
WTIS	...	1000	a	Jackson, Tenn., Sun Pub. Co., Inc.
XEAZ	...	250	z	Reynosa, Tam., Carlos V. Rodriguez.
XEM	...	500	z	Chihuahua, Chih.

1400 kcs. (214.2 m.)

CFAR	...	100	a	Flin Flon, Man., Arctic Radio Corp.
CFOS	...	100	a	Owen Sound, Ont., Owen Sound Sun-Times.
CHRC	...	100	a	Quebec, P. Q., CHRC, Ltd.
CJOC	F	100	a	Lethridge, Alta., H. R. Carson, Ltd.
CKCW	F	100	a	Moncton, N. B., Moncton Brdcastg. Co., Ltd.
CKRN	...	250	a	Rouyn, P. Q., La Cie de Radiodiffusion.
CMJW	...	250	z	Camaguey, Cuba.
KELD	...	250	a	El Dorado, Ark., Radio Enterprises, Inc.
KENO	...	250	a	La Vegas, Nev., Nevada Brdcastg. Co.
KEVR	3	100	a	Seattle, Wash., Evergreen Brdcastg. Corp.
KFGO	D	100	a	Boone, Iowa, Boone Biblical College.
KFPW	...	250	a	Fort Smith, Ark., Southwestern Hotel Co.
KFRU	...	250	a	Columbia, Mo., KFRU, Inc.
KFVS	...	250	a	Cape Girardeau, Mo., Hirsch Battery & Radio Co.
KGFL	...	100	a	Roswell, N. Mex., KGFL, Inc.
KGFL	...	250	MTa	San Angelo, Tex., KGKL, Inc.
KICA	...	100	a	Clovis, N. Mex., Western Broadcasters, Inc.
KIUN	...	100	a	Pecos, Tex., J. Hawkins & B. H. Tubbs.
KIUP	...	250	a	Durango, Colo., San Juan Brdcastg. Co.
KLUF	...	250	MTa	Galveston, Tex., KLUF Brdcastg. Co., Inc.
KMAC	5	250	a	San Antonio, Tex., The Wolmac Co.
KOBH	...	250	a	Rapid City, S. Dak., Black Hills Brdcastg. Co.
KOKO	...	100	a	La Junta, Colo., Southwest Brdcastg. Co.
KONO	5	250	a	San Antonio, Tex., Mission Brdcastg. Co.
KORN	...	250	a	Fremont, Nebr., Nebraska Brdcastg. Corp.
KRE	...	250	a	Berkeley, Calif., Central Calif. Broadcasters, Inc.
KRKO	3	100(2.5)	a	Everett, Wash., Everett Brdcastg. Co., Inc.
KRIC	...	250	a	Lewiston, Idaho, H. E. Studebaker.
KRMC	...	250	a	Jamestown, N. Dak., Jamestown Brdcastg. Co., Inc.
KTFM	...	250	MTa	Temple, Tex., Bell Brdcastg. Co.
KTOK	EMN	250	a	Oklahoma City, Okla., Oklahoma Brdcastg. Co., Inc.
KTSW	M	250	a	Emporia, Kans., Emporia Brdcastg. Co., Inc.
KTUC	CE	250	a	Tucson, Ariz., Tucson Brdcastg. Co., Inc.

BROADCASTING STATIONS BY FREQUENCIES

KVFD	G	250	a	Fort Dodge, Iowa, Northwest Brdcastg. Co.
KVGB	.....	250	a	Great Bend, Kans., Helen Townsley.
KVRS	.....	250	a	Rock Springs, Wyo., Wyoming Brdcastg. Co.
KWLK	.....	250	a	Longview, Wash., Twin City Brdcastg. Corp.
KWYO	.....	250	a	Sheridan, Wyo., Big Horn Brdcastg. Co., Inc.
KYAN	P	250	a	Cheyenne, Wyo., Western Brdcastg. Co. of Wyo.
WABY	.....	250	BM Sa	Albany, N. Y., Adirondack Brdcastg. Co., Inc.
WAGF	D	250	a	Dothan, Ala., Dothan Brdcastg. Co.
WARM	P	250	a	Scranton, Pa., Union Brdcastg. Co.
WATL	M	250	a	Atlanta, Ga., Atlanta Brdcastg. Co.
WATW	.....	100	a	Ashland, Wis., WJMS, Inc.
WBLK	N	250	a	Clarksburg, W. Va., Charleston Brdcastg. Co.
WBNY	2	250	a	Buffalo, N. Y., Roy L. Albertson.
WBTH	.....	250	a	Williamson, W. Va., Williamson Brdcastg. Corp.
WBTM	.....	100(.25)	a	Danville, Va., Piedmont Brdcastg. Corp.
WCBI	.....	250	a	Columbus, Miss., Birney Innes.
WCBM	.....	250	Ia	Baltimore, Md., Baltimore Brdcastg. Corp.
WCNC	.....	250	a	Elizabeth City, N. C., Albermarle Brdcastg. Co.
WCOS	.....	250	a	Columbia, S. C., Carolina Adv. Corp.
WDAS	.....	250	a	Philadelphia, Pa., WDAS, Brdcastg. Station, Inc.
WDEF	.....	250	a	Chattanooga, Tenn., Joe W. Engel.
WDWS	.....	250	a	Champaign, Ill., Champaign News-Gazette, Inc.
WELL	B	250	a	Battle Creek, Mich., Federated Publications, Inc.
WEOA	C	250	a	Evansville, Ind., Evansville, on the Air, Inc.
WEST	.....	250	MQa	Easton, Pa., Associated Broadcasters, Inc.
WFOR	.....	250	a	Haffiebue, Miss., Forrest Brdcastg. Co., Inc.
WFTL	.....	250	a	Fort Lauderdale, Fla., Tom M. Byran.
WGBR	.....	250	a	Goldsboro, N. C., Eastern Carolina Brdcastg. Co.
WGIL	.....	250	a	Galesburg, Ill., Galesburg Brdcastg. Co.
WGRC	M	250	a	New Albany, Ind., North Side Brdcastg. Corp.
WHBQ	.....	250	a	Memphis, Tenn., WHBQ, Inc.
WHDF	.....	250	a	Calumet, Mich., Upper Mich. Brdcastg. Co.
WHKY	.....	250	a	Hickory, N. C., Catawba Valley Brdcastg. Co., Inc.
WHLB	C	250	a	Virginia, Minn., Head of the Lakes Brdcastg. Co.
WHUB	.....	250	a	Cookeville, Tenn., WIUB, Inc.
WHYN	.....	250	a	Holyoke, Mass., Hampden-Hampshire Corp.
WINC	P	250	a	Winchester, Va., Richard Field Lewis.
WIAC	.....	250	RQa	Johnstown, Pa., WJAC, Inc.
WIHO	.....	100(.25)	a	Opelika, Ala., Opelika-Auburn Brdcastg. Co.
WJLB	.....	250	a	Detroit, Mich., John L. Booth Brdcastg., Inc.
WJZM	P	250	a	Clarksville, Tenn., Wm. D. Hudson.
WKMO	P	250	a	Kokomo, Ind., Kokomo Brdcastg. Corp.
WKPT	N	250	a	Kingsport, Tenn., Kingsport Brdcastg. Co., Inc.
WKVK	P	250	a	Wheeling, W. Va.
WLLH	Sx	10-100	Ya	Lawrence, Mass., Merrimac Brdcastg. Co., Inc.
WLLH	S	250	DMYa	Lowell, Mass., Merrimac Brdcastg. Co., Inc.
WMAN	.....	250	a	Mansfield, Ohio, Richland, Inc.
WMBR	C	250	a	Jacksonville, Fla., Florida Brdcastg. Co.
WMFD	.....	100(.25)	a	Wilmington, N. C., Richard A. Dunlea.
WMGA	.....	250	a	Moultrie, Ga., Frank R. Pidcock, Sr.
WMIN	.....	250	a	St. Paul, Minn., WMIN Brdcastg. Co.
WMSL	E	250	a	Decatur, Ala., Tenn. Valley Brdcastg. Co., Inc.
WORD	.....	250	a	Spartanburg, S. C., Spartanburg Advertising Co.
WPAY	.....	250	a	Portsmouth, Ohio, Veebee Corp.
WRAK	.....	250	a	Williamsport, Pa., WRAK, Inc.
WRDO	.....	100	MNYa	Augusta, Maine, WRDO, Inc.
WRIN	.....	250	a	Racine, Wis., Racine Brdcastg. Corp.
WSAU	.....	250	a	Wausau, Wis., Northern Brdcastg. Co., Inc.
WSLB	.....	250	a	Ogdensburg, N. Y., St. Lawrence Brdcastg. Corp.
WSRR	P	250	a	Stamford, Conn., Stephen R. Rintoul.
WSVS	G2	50	e	Buffalo, N. Y., Board of Education.
WTCM	.....	250	a	Traverse City, Mich., Midwestern Brdcastg. Co.
XEAT	.....	100	a	Navojoa, Son.
XEAM	.....	250	a	Matamoros, Tam.
XEDE	.....	100	a	Torreón, Coah.
XEF	.....	100	a	Juarez, Chih., Gilberto Gil.
XET	.....	250	a	Morelia, Micho., Carlos Gutierrez M.
XETA	.....	100	a	Jalapa, Ver. C.
XEKT	.....	250	a	Acapulco, Gro.
XEMH	.....	100	a	Merida, Yuc.
XEPF	.....	100	a	Ensenada, B. Cfa.
XEWE	.....	100	a	Silao, Gto.
XEXM	.....	250	a	Guadalajara, Jal.
XEXO	.....	100	a	San Luis Potosí, S.L.P.
YV1RC	.....	500	a	Maracaibo, Venez., "La Voz de la Fe."
YV4RE	.....	1000	a	Valencia, Venez., "Radio Valencia."
YV6RA	.....	200	a	Bolívar, Venez., "Ecos del Orinoco."
1140 kcs. (212.5 m.)				
CKMO	.....	1000	a	Vancouver, B. C., B. C. Brdcastg. Sys., Ltd.
CMHB	.....	250	a	Sancti Spiritus, Cuba, V. E. Weiss y Cia.

BROADCASTING STATIONS BY FREQUENCIES

KERN	BE	1000	a	Bakersfield, Calif., McClatchy Brdcastg. Co.
KQV	....	1000	a	Pittsburgh, Pa., KQV Brdcastg. Co.
WALA	....	5000	a	Mobile, Ala., Pape Brdcastg. Co.
WING	N	5000	a	Dayton, Ohio, Great Trails Brdcastg. Corp.
WKBH	C	5000	a	La Crosse, Wis., WKBH, Inc.
WNBC	B	1000(5)	a	New Britain, Conn., State Brdcastg. Corp.
XEBS	....	750	z	Mexico City, D. F.
XELC	....	250	z	Laredo, Tam.
XERY	....	500	z	Agua Prieta, Son.

1420 kcs. (211.1 m.)

CMBD	2	250	z	Havana, Cuba, Luiz Perez Marcia.
CMCO	2	250	a	Havana, Cuba, Calle Vista Alegre
KABR	....	5000	a	Aberdeen, S. Dak., Aberdeen Brdcastg. Co.
KLRA	C	5000	a	Little Rock, Ark., Arkansas Brdcastg. Co.
KUJ	....	1000	a	Walla Walla, Wash., KUJ, Inc.
WFCI	....	1000	a	Pawtucket, R. I., Pawtucket Brdcastg. Co.
WHK	BKM	5000	a	Cleveland, Ohio, United Brdcastg. Co.
WWSR	DP	1000	z	St. Albans, Vt., Vermont Radio Corp., Inc.
XEDS	....	500	z	Mazatlan, Sin.
XESJ	....	1000	z	Saltillo, Coah.

1430 kcs. (209.7 m.)

CMKZ	....	250	z	Palma Soriano, Cuba, Joaquin Venero Obregon.
KLO	BEM	5000	a	Ogden, Utah, Interstate Brdcastg. Corp.
KTUL	C	5000	a	Tulsa, Okla., Tulsa Brdcastg. Co., Inc.
WBYN	....	500	a	Brooklyn, N. Y., Unified Brdcastg. Corp.
WIRE	MR	5000	a	Indianapolis, Ind., Indianapolis Brdcastg., Inc.
XEAQ	....	100	z	Villa Acuna, Coah.
XECZ	....	1000	z	San Luis Potosi, S. L. P., Zeferino Z. Jiminez.
XEOK	....	100	z	Progreso, Yuc., Arturo Pina Perez.
YV4RL	....	300	a	Maracay, Venez., "Radio Maracay".
....	P	500	z	Tacoma, Wash., Michael J. Mingo.

1440 kcs. (208.2 m.)

CMGH	....	500	a	Matanzas, Cuba, "Rialto".
CMJJ	....	250	a	Ciego de Avila, Cuba, Gilberto Gesse Lopez.
KFIM	....	500(1)	a	Grand Forks, N. Dak., University of N. Dak.
KGNC	M	1000(5)	a	Amarillo, Tex., Plains Radio Brdcastg. Co.
KMED	N	1000	b	Boston, Ore., Mrs. W. J. Virgin.
WACB	....	1000	DMa	Boston, Mass., The Yankee Network, Inc.
WBGM	....	500(1)	a	Bay City, Mich., Bay Brdcastg. Co., Inc.
WHIS	....	500(1)	a	Tinefield, W. Va., Daily Telegram Ptg. Co.
WROK	M	500(1)	a	Rockford, Ill., Rockford Broadcasters, Inc.
WSFA	E	500(1)	a	Montgomery, Ala., Montgomery Brdcastg. Co., Inc.
XEFI	....	1000	a	Chihuahua, Chih., Feliciano Lopez Islas.
XELZ	....	1000	z	Mexico City, D. F., Maria Gardena de Zetina.
XERT	....	500	z	Tijuana, B. Cla.

1450 kcs. (206.8 m.)

CFLC	....	100	a	Prescott, Ont., Radio Ass'n of Prescott.
CHLN	....	100	a	Three Rivers, P.Q., Three Rivers le Nouvelliste.
CKCA	F	100(25)	a	Kenora, Ont., Kenora Brdcastg. Co., Ltd.
CKLN	F	100	a	Nelson, B. C., News Pub., Co., Ltd.
CMAB	....	250	z	Pinar del Rio, Cuba, Hotel Ricardo.
CMHM	....	250	z	Cienfuegos, Cuba.
HRN	....	500	b	Tegucigalpa, Honduras, "La Voz de Honduras".
KABC	....	250	MTa	San Antonio, Tex., Alamo Brdcastg. Co., Inc.
KATE	E	250	a	Albert Lea, Minn., Albert Lea Austin Brd. Co. Inc.
KBPS	4	100	a	Portland, Ore., Benson Polytechnic School.
KCMC	....	250	MTa	Texarkana, Tex., KCMC, Inc.
KDNT	....	100	a	Denton, Tex., Harwell V. Shepard.
KEUB	EM	250	a	Price, Utah Eastern Utah Brdcastg. Co.
KFAM	EN	250	a	St. Cloud, Minn., The Times Pub. Co.
KFCB	....	250	a	Cheyenne, Wyo., Frontier Brdcastg. Co.
KFFZ	....	100	Ea	Fond du Lac, Wis., Reporter Printing Co.
KFMB	....	250	z	San Diego, Calif., Worcester Brdcastg. Corp.
KFUN	P	250	z	Las Vegas, Nev.
KGFF	EM	250	a	Shawnee, Okla., KGFF Brdcastg. Co., Inc.
KGIW	3	100	a	Alamosa, Colo., E. L. Allen.
KGLU	EN	250	a	Safford, Ariz., Gila Brdcastg. Co.
KIDW	3	100	a	Lamar, Colo., Lamar Brdcastg. Co.
KLBM	....	250	a	La Grande, Ore., Harold M. Finley.
KMYC	....	100	a	Marysville, Calif., Marysville-Yuba City Brdcastrs, Inc.
KNET	D	100	a	Palestine, Tex., Bonner Frizzell.
KORE	M	250	a	Eugene, Ore., Eugene Broadcast Station.

BROADCASTING STATIONS BY FREQUENCIES

KRBC	.....	250	MTa	Abilene, Tex., Reporter Brdcastg. Co.
KRBM	EN	250	a	Bozeman, Mont., KRBM Broadcasters.
KRIC	.....	250	z	Beaumont, Tex., KRIC, Inc.
KRLH	.....	250	z	Midland, Tex., Clarence Schbarbur.
KSAN	.....	250	a	San Francisco, Calif., Golden Gate Brdcastg. Corp.
KTRI	.....	250	f	Sioux City, Iowa, Sioux City Brdcastg. Co.
KVAK	.....	100	a	Atchison, Kans., Carl Latenser.
KWAL	.....	250	a	Wallace, Idaho, C. Howarth and C. Berger.
KWBG	.....	100	a	Hutchinson, Kans., Nations Center Brdcast. Co., Inc.
KXL	4XZ	250	b	Portland, Ore., KXL Broadcasters.
TGQ	.....	200	a	Quezaltenango Guatemala, Director of Elec. Comm.
WGCO	.....	250	MTb	Waco, Tex., Frontier Brdcastg. Co., Inc.
WAGM	G	100	a	Presque Isle, Maine, Aroostook Brdcastg. Corp.
WAOV	.....	100	a	Vincennes, Ind., Vincennes News Papers, Inc.
WAZL	.....	250	MQa	Hazelton, Pa., Hazelton Brdcastg. Service, Inc.
WCBS	N	250	a	Springfield, Ill., WCBS, Inc.
WCHV	.....	250	a	Charlottesville, Va., Community Brdcastg. Corp.
WEED	.....	250	a	Rocky Mount, N. C., Wm. Avera Wynne.
WFMJ	.....	250	a	Youngstown, Ohio, Wm. F. Maag, Jr.
WFG	.....	250	a	Atlantic City, N. J., Neptune Brdcastg. Corp.
WFG	N	250	a	Fort Wayne, Ind., Westinghouse Radio Stations, Inc.
WGNC	.....	250	z	Gastonia, N. C., WGNC, Inc.
WGOV	.....	250	a	Valdosta, Ga., Governor E. D. Rivers.
WGPC	.....	250	a	Albany, Ga., Albany Brdcastg. Co., Inc.
WHDF	.....	250	a	Olean, N. Y., WHDL, Inc.
WHFC	.....	250	a	Cicero, Ill., WHFC, Inc.
WHLN	P	250	z	Harlan, Ky., Blanfox Radio Co., Inc.
WHLS	.....	250	a	Port Huron, Mich., Port Huron Brdcastg. Co.
WHMA	.....	250	a	Anniston, Ala., Harry M. Ayers.
WIBM	B	250	a	Jackson, Mich., WIBM, Inc.
WILM	.....	250	Ia	Wilmington, Del., Delaware Brdcastg. Co.
WIMS	.....	250	a	Ironwood, Mich., WIMS, Inc.
WKEU	.....	100	a	Griffin, Ga., Station WKEU.
WKUP	.....	250	a	Poughkeepsie, N. Y., Poughkeepsie Brdcastg. Corp
WLAN	P	250	z	Endicott, N. Y., Thomas J. Watson.
WLP	M	250	a	Lexington, Ky., Amercian Brdcastg. Corp.
WLEU	.....	250	BQa	Erie, Pa., WLEU Brdcastg. Corp.
WLPM	.....	250	a	Suffolk, Va., Suffolk Brdcastg. Corp.
WMAS	C	250	a	Springfield, Mass., WMAS, Inc.
WMBH	.....	250	a	Joplin, Mo., Joplin Brdcastg. Co.
WMDF	.....	250	z	Greenwood, S. C., Grenco, Inc.
WMFT	N	250	z	Daytona Beach, Fla., W. Wright Esch.
WMSD	.....	250	z	Muscle Shoals City, Ala., Muscle Shoals Brd. Corp.
WMVA	P	100(.25)	z	Martinsville, Va., Martinsville Brdcastg. Co.
WNAE	P	250	z	Bridgeport, Conn., Harold Thomas
WNOE	.....	250	z	New Orleans, La., WNOE, Inc.
WOC	.....	250	a	Davenport, Iowa, Tri-City Brdcastg. Co.
WPAD	.....	250	a	Paducah, Ky., Paducah Brdcastg. Co.
WPAP	.....	250	a	Parkersburg, W. Va., Ohio Valley Brdcastg. Corp.
WRLC	P	250	z	Toccoa, Ga., R. G. Le Tourneau
WSLI	.....	250	a	Jackson, Miss., Standard Life Brdcastg. Co.
WSPB	.....	250	a	Sarasota, Fla., WSPB, Inc.
WWDC	P	250	a	Washington, D. C., Capital Brdcastg. Co.
XEBT	.....	100	z	Victoria, Tam., Fernando Elizalde.
XEBQ	.....	100	z	Torreón, Coah., Maria Refugio Acosta.
XEDT	.....	100	z	Magdalena, Son.
XEFK	.....	100	z	Merida, Yuc., Manuel Zapata Espinosa.
XEGC	.....	100	z	Zamora, Micho., Guillermo Calzada.
XETN	.....	250	z	Aguascalientes, Ags.
XEPP	.....	100	z	Orizaba, Ver.
XERK	.....	100	z	Tepic, Nay.
XEXE	.....	100	z	Texcoco, Mex.
XEXP	.....	100	z	Matamoros, Tam.
XEY	.....	250	z	San Luis Rio Colorado, Son.

1460 kcs. (205.4 m.)

CJGX	F	1000	a	Yorkton, Sask., Yorkton Brdcastg. Co., Ltd.
CMCG	.....	250	z	Havana, Cuba, "La Onda", S.A.
CMKO	E	500	z	Santiago de Cuba, Cadena Azul.
KGNF	D	1000	a	North Platte, Nebr., Great Plains Brdcastg. Co.
KINY	.....	1000	a	Juneau, Alaska, Edwin A. Kraft.
KSO	X	1000(5)	BMa	Des Moines, Iowa, Iowa Brdcastg. Co.
WBNS	C	1000(5)	a	Columbus, Ohio, WBNS, Inc.
WHEC	.....	500(1)	b	Rochester, N. Y., WHFC, Inc.
WHP	C	1000(5)	a	Harrisburg, Pa., WHP, Inc.
WMPS	.....	500(1)	Ma	Memphis, Tenn., Memphis Brdcastg. Co.
WOKO	CK	500(1)	a	Albany, N. Y., WOKO, Inc.
XELH	.....	100	z	Nuevo Laredo, Tam.
XETU	.....	1000	z	Tampico, Tam.
.....	P	500	z	Everett, Wash., Cascade Brdcastg. Co., Inc.

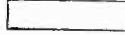
BROADCASTING STATIONS BY FREQUENCIES

1470 kcs. (204 m.)



CKGB	F	1000	a	Timmins, Ont., R. H. Thomson, North Bay.
CMGE	.....	250	a	Cardenas, Cuba, Genaro Sebatier.
CMJO	.....	250	a	Ciego de Avila, Cuba, Bonifacio Ildefonso.
H18Q	.....	25	a	Trujillo, D. R., Julio A. Garcia.
KDFN	.....	1000	a	Casper, Wyo., Donald Lewis Hathaway.
KELA	M	1000	a	Centralia, Wash., Central Brdcstg. Corp.
KXYZ	XZ	1000	BMTa	Houston, Tex., Harris County Brdcstg. Co.
WBIG	C	5000	a	Greensboro, N. C., N. C. Brdcstg. Co., Inc.
WCBA	a	500	a	Allentown, Pa., Lehigh Valley Brdcstg. Co.
WMBD	C	1000(5)	a	Peoria, Ill., Peoria Brdcstg. Co.
WSAN	Xa	500	NQa	Allentown, Pa., Lehigh Valley Brdcstg. Co.
XEAU	.....	5000	z	Tijuana, B. Cia.
XESM	.....	1000	z	Mexico City, D.F., Av. Claudio Bernard.
YV3RE	1475	1500	a	Barquisimeto, Venez., "Radio Barquisimeto"

1480 kcs. (202.6 m.)



CFCT	.....	500	a	Victoria, B. C., Victoria Brdcstg. As'n.
CHGS	F	50	a	Summerside, P.E.I., R. T. Holman, Ltd.
CMHX	.....	250	a	Cienfuegos, Cuba, J. Garcia R.
KCMO	.....	1000(5)	a	Kansas City, Mo., KCMO Brdcstg. Co.
KGCX	F	1000	a	Wolf Point, Mont., E. E. Krebsback.
KIEM	M	500(1)	a	Eureka, Calif., Redwood Brdcstg. Co.
KTBS	N	1000	a	Shreveport, La., Tri-State Brdcstg. Sys. Inc.
WAGA	B	500(1)	a	Atlanta, Ga., Liberty Brdcstg. Corp.
WGAR	C	1000(5)	a	Cleveland, Ohio, WGAR Brdcstg. Co.
WHOM	.....	500(1)	a	Jersey City, N. J., N. J. Brdcstg. Corp.
WSAR	.....	1000	DMYf	Fall River, Mass., Doughty & Welch Elec. Co., Inc.

1490 kcs. (201.2 m.)



CFRC	F	100	a	Kingston, Ont., Queens University.
CHLP	F	100	a	Montreal, P.Q., La Patrie Pub. Co.
CJIC	F	100	a	Sault Ste. Marie, Ont., Whitby & Hyland.
CMCA	2	250	a	Havana, Cuba, Tester y Gonzalez.
CMKF	.....	250	z	Holguin, Cuba, Manuel De Gongora.
CMOX	.....	250	a	Havana, Cuba, Perez y Chisholm.
KAWN	.....	100(.25)	a	Gallup, N. Mex., A. W. Mills.
KBIX	EM	250	a	Muskogee, Okla., Okla. Press Pub. Co.
KBKR	.....	250	a	Baker, Ore., Louis P. Thornton.
KBST	.....	100	MTa	Big Spring, Tex., Big Spring Herald Brdcstg. Co.
KBUR	P	250	z	Burlington, Iowa, Burlington Brdcstg. Co.
KDAL	C	250	a	Duluth, Minn., Red River Brdcstg. Co., Inc.
KDB	EM	250	a	Santa Barbara, Calif., Santa Barbara Brdcstrs., Ltd.
KDRO	.....	250	z	Sedalia, Mo., Drollich Bros.
KEYS	.....	250	a	Corpus Christi, Tex., Nueces Brdcstg. Co.
KGFI	.....	100(.25)	a	Brownsville, Tex., Eagle Brdcstg. Co., Inc.
KGKB	.....	250	MTa	Tyler, Tex., East Texas Brdcstg. Co.
KGKY	.....	250	a	Scottsbluff, Nebr., Hilliard Co.
KNEL	.....	100(.25)	a	Brady, Tex., G. L. Burns.
KNOW	.....	250	MTa	Austin, Tex., Frontier Brdcstg. Co., Inc.
KONB	P	250	z	Omaha, Nebr., MSB Brdcstg. Co.
KOTN	.....	250	a	Pine Bluff, Ark., Universal Brdcstg. Corp.
KOVG	.....	250	a	Valley City, N. Dak., KOVC, Inc.
KPAB	.....	250	a	Laredo, Tex., Mervel M. Valentine.
KPLC	.....	250	a	Lake Charles, La., Calcasieu Brdcstg. Co.
KPLT	.....	250	MTa	Paris, Tex., North Texas Brdcstg. Co.
KPO	M	250	a	Wenatchee, Wash., Westcoast Brdcstg. Co.
KRNR	M	100(.25)	a	Roseburg, Ore., News-Review Pub. Co.
KSAM	D	250	a	Huntsville, Tex., Sam Houston Brdcstg. Assn.
KTOH	.....	250	a	Lihue, Hawaii, Garden Island Pub. Co., Ltd.
KVOE	M	250	a	Santa Ana, Calif., Voice of the Orange Empire, Inc.
KVWC	.....	250	MTa	Vernon, Tex., Northwestern Brdcstg. Co.
KWEW	.....	100	a	Hobbs, N. Mex., W. E. Whitmore.
KXO	.....	100	Ma	El Centro, Calif., Valradio Co., Inc.
KYCA	F	250	a	Prescott, Ariz., Southwest Brdcstg. Co.
WBAB	C	250	a	Atlantic City, N. J., Press Union Pub. Co.
WBOC	.....	250	a	Salisbury, Md., Peninsula Brdcstg. Co.
WBTA	.....	250	z	Batavia, N. Y., Batavia Brdcstg. Corp.
WDAN	P	250	a	Danville, Ill., Northwestern Pub. Co.
WBDC	.....	250	z	Escanaba, Mich., Delta Brdcstg. Co.
WDNC	C	250	a	Durham, N. C., Durham Radio Corp.
WERC	.....	100(.25)	Ca	Erie, Pa., Presque Isle Brdcstg. Co.
WGAL	.....	250	IMNQa	Lancaster, Pa., WGAL, Inc.
WGKY	.....	100	Na	Charleston, W. Va., Kanawah Valley Brdcstg. Co.
WGTV	.....	250	a	Greenville, N. C., Greenville Brdcstg. Co.
WHBB	.....	100	a	Selma, Ala., Selma Brdcstg. Co., Inc.
WIGM	P	100	z	Medford, Wis., Geo. F. Meyer.

BROADCASTING STATIONS BY FREQUENCIES

WIBK	.....	250	a	Detroit, Mich., J. F. Hopkins, Inc.
WKBB	N	250	a	Dubuque, Iowa, Sanders Bros.
WKBV	.....	100	a	Richmond, Ind., Knox Radio Corp.
WKBZ	.....	250	a	Muskegon, Mich., Ashbacker Radio Corp.
WKNY	.....	250	a	Kingston, N. Y., Kingston Brdcastg. Corp.
WKRO	P	250	z	Cairo, Ill., Oscar C. Hirsch.
WMIS	P	250	z	Natchez, Miss., Natchez Brdcastg. Co.
WMJM	.....	100(.25)	a	Cordele, Ga., Cordele Dispatch Pub. Co., Inc.
WMOG	.....	100(.25)	a	Brunswick, Ga., Coastal Brdcastg. Co.
WMRC	.....	250	z	Greenville, S. C., Textile Brdcastg. Co.
WMRF	P	250	a	Lewistown, Pa., Lewistown Brdcastg. Co.
WMRN	.....	250	z	Marion, Ohio, Marion Brdcastg. Co.
WNBF	C	250	a	Binghamton, N. Y., W. B. Jones Adv. Agency.
WNLC	.....	250	MYa	New London, Conn., Thames Brdcastg. Corp.
WOLF	.....	250	a	Syracuse, N. Y., Civic Brdcastg. Corp.
WOMI	.....	250	a	Owensboro, Ky., Owensboro Brdcastg. Co.
WOPI	.....	250	a	Bristol, Tenn., Radiophone Station WOPI.
WRDW	C	250	a	Augusta, Ga., Augusta Brdcastg. Co.
WRGA	.....	250	a	Rome, Ga., Rome Brdcastg. Corp.
WSLS	.....	250	a	Roanoke, Va., Roanoke Brdcastg. Corp.
WSTP	M	250	a	Salisbury, N. C., Piedmont Brdcastg. Corp.
WSYB	.....	250	MYa	Rutland, Vt., Philip Weiss Music Co.
WTMC	.....	100	a	Ocala, Fla., Ocala Brdcastg. Co., Inc.
WTMV	.....	250	a	East St. Louis, Ill., Miss. Valley Brdcastg. Co., Inc.
WWSW	.....	250	Qa	Pittsburgh, Pa., Walker & Downing Radio Corp.
XECH	.....	250	z	Toluca, Mex.
XEDR	.....	100	z	Guaymas, Son., Modeste Ortega.
XEGT	.....	100	z	Guadalajara, Jal.
XEJR	.....	100	z	Parral, Chih.
XETR	.....	100	z	Madero, Tam.
XEXF	.....	100	z	Veracruz, Ver. C.
XENU	.....	100	z	Saltillo, Coah.
YV4RR	.....	750	a	Puerto Cabello, Venez., "Radio Pto. Cabello".
.....	.....	250	z	Tacoma, Wash., Tacoma Broadcasters, Inc.

1500 kcs. (199.9 m.)

KSTP	MR	50000	a	[] St. Paul, Minn., KSTP, Inc.
WISV	C	50000	a	Washington, D. C., CBS, Inc.
XERH	.....	500	z	Mexico City, D. F.

1510 kcs. (198.6 m.)

KGA	.....	5000	BMa	[] Spokane, Wash., Louis Wasmer.
WLAC	X	5000	Ca	Nashville, Tenn., WLAC Brdcastg. Serv.
WMEX	.....	5000	a	Boston, Mass., The Northern Corp.

1520 kcs. (197.3 m.)

KOMA	C	50000	a	[] Oklahoma City, Okla., KOMA, Inc.
TGW	.....	5000	e	Guatemala City, Guat., Radiodifusora Nacional
WHIP	D	5000	z	Hammond, Ind., Hammond-Calumet Brdcastg. Corp.
WKBW	.....	50000	CMSa	Buffalo, N. Y., Buffalo Brdcastg. Corp.
WPRP	.....	1000(5)	a	Ponce, Puerto Rico, Julio M. Conesa

1530 kcs. (196 m.)

KFBK	BE	10000	a	[] Sacramento, Calif., McClatchey Brdcastg. Co.
WCKY	C	50000	a	Cincinnati, Ohio, L. B. Wilson, Inc.

1540 kcs. (194.7 m.)

CMBH	5000	e	[] Havana, Cuba, Alberto Alvarez
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1550 kcs. (193.4 m.)

.....	P	20000	z	[] Mexico City, D. F.
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1560 kcs. (112.2 m.)

CMHD	250	d	[] Caibarien, Cuba, Manuel Alvarez M.
WQXR	10000	a	New York, N. Y., Interstate Brdcastg. Co.

1570 kcs. (191.0 m.)

CFPL	F	1000	a	[] London, Ont., London Free Press
XEAW	.....	100000	a	Monterrey, N. L.

1580 kcs. (189.8 m.)

CMCT	2	250	a	[] Havana, Cuba, Radio Emisora Comercial
CMCR	2	250	z	Havana, Cuba, Av. de Menocal 115
CMJQ	.....	250	z	Nuevitas, Cuba

BROADCASTING STATIONS BY LOCATIONS

Frequency is given in kilocycles in second column. For power and network affiliations, refer to the list of Broadcasting Stations by Frequencies.

THE UNITED STATES OF AMERICA

ALABAMA

Anniston	WHMA	1450
Birmingham	WAPI	1170
	WBRC	960
	WSGN	1340
Decatur	WMSL	1400
Dothan	WAGF	1400
Gadsden	WJBY	1240
Huntsville	WBHP	1230
Mobile	WALA	1410
	WMOB	1230
Montgomery	WCQV	1240
	WSFA	1440
Muscle Shoals City	WMSD	1450
Opelika	WJHO	1400
Selma	WHBB	1490
Tuscaloosa	WJRD	1230

ALASKA

Anchorage	KFQD	790
Fairbanks	KFAR	610
Juneau	KINY	1460
Ketchikan	KGBU	930

ARIZONA

Globe	KWJB	1240
Jerome	KCRJ	1340
Lowell	KSUN	1230
Phoenix	KOY	550
	KPHO	1230
	KTRAR	620
Prescott	KYCA	1490
Safford		
KGLU		1450

Tucson	KTUC	1400
	KVOA	1290
Yuma	KYUM	1240

ARKANSAS

Blytheville	KLCN	1320
El Dorado	KELD	1400
Fort Smith	KFWP	1400
Hot Springs	KTHS	1090
	KWFC	1340
Jonesboro	KBTM	1230
Little Rock	KARK	920
	KGHI	1230
	KIRA	1120
Pine Bluff	KOTN	1490
Siloam Springs	KUOA	1290

CALIFORNIA

Bakersfield	KERN	1410
	KPEC	1600
Berkeley	KRE	1400
Beverly Hills	KMPC	710
Chico	KHSL	1290
El Centro	KXO	1490
Eureka	KIEM	1480
Fresno	KARM	1340
	KMJ	580
Glendale	KIEV	870
Long Beach	KFOX	1280
	KGER	1390
Los Angeles	KECA	790
	KFAC	1330
	KFI	640
	KFSG	1150
	KFVD	1020
	KFWB	980

KGFJ	1230
KHJ	930
KMTR	570
KNX	1070
KRKD	1150

Marysville	KMYC	1450
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Merced	KYOS	1080
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Modesto	KTRB	860
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Monterey	KDON	1240
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Oakland	KLS	1310
	KLN	910
	KROW	960

Pasadena	KPPC	1240
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Redding	KVCV	1230
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Sacramento	KFBK	1530
	KROY	1240

San Bernardino	KFXM	1240
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San Diego	KFMB	1450
	KFSD	600
	KGB	1360

San Francisco	KFRC	610
	KGO	810
	KTBS	1100
	KPO	680
	KSAN	1450
	KSFO	560
	KYA	1260

San Jose	KQW	740
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San Luis Obispo	KVEC	1230
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Santa Ana	KVOE	1490
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Santa Barbara	KDB	1490
	KTMS	1250

Santa Rosa	KSRO	1350
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Stockton	KGDM	1130
	KWG	1230

Visalia	KTKC	920
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Watsonville	KHUB	1340
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COLORADO

Alamosa	KGIW	1450
Colorado Springs	KVOR	1300
Denver	KFEL	950
	KLZ	560

KMYR	1340
KOA	850
KPOF	910
KVOD	630

Durango	KTUP	1400
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Jrand Junction	KFXJ	1230
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Greeley	KFKA	910
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La Junta	KOKO	1400
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Lamar	KIDW	1450
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Pueblo	KGHF	1350
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Sterling	KGEK	1230
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CONNECTICUT

Bridgeport	WICC	600
	WNAB	1450

Hartford	WDRG	1360
	WTIC	1080
	WTHH	1230

New Britain	WNBC	1410
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New Haven	WELI	960
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New London	WNLC	1490
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Stamford	WSRR	1400
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Waterbury	WATR	1320
	WBRY	1590

DELAWARE

Wilmington	WDEL	1150
	WHLM	1450

DISTRICT OF COLUMBIA

Washington	WJNX	1340
	WTSV	1500
	WMAL	630
	WOL	1260
	WRC	980
	WWDC	1450

FLORIDA

Daytona Beach	WMFJ	1450
De Land	WPER	1340

Ft. Lauderdale	WFTL	1400
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Ft. Myers	WFTM	1240
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Gainesville	WRUF	850
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Jacksonville	WJAX	930
	WHP	1320
	WMBR	1400

Lakeland	WLAK	1340
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Miami	WIOD	610
	WQAM	5

Miami Beach	WKAT	1360
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Ocala	WTMC	1490
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Orlando	WDBO	580
	WLOF	1230

Panama City	WDLF	1230
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Pensacola	WCOA	1370
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St. Augustine	WFOY	1240
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St. Petersburg	WSUN	620
	WTSP	1380

Sarasota	WSPR	1450
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Tallahassee	WTAL	1340
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Tampa	WDAE	1250
	WFLA	940

West Palm Beach	WTNO	1230
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GEORGIA

Albany	WALR	1500
	WGPC	1450

Athens	WGAU	1340
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Atlanta	WAGA	1480
	WATL	1400
	WGST	920
	WSB	750

Augusta	WGAC	1240
	WRDW	1490

Brunswick	WMOG	1490
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Columbus	WRBL	1230
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Cordele	WMJM	1490
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Dalton	WBLJ	1230
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BROADCASTING STATIONS BY LOCATIONS

Gaigesville
WGGG 1240

Griffin
WKEU 1450

La Grange
WLAG 1240

Macon
WBML 1240
WMAZ 940

Moultrie
WMGA 1400

Rome
WRGA 1490

Savannah
WSAV 1340
WTOC 1200

Thomasville
WPAX 1240

Toccoa
WRIC 1450

Valdosta
WGOV 1450

Waycross
WAYX 1230

West Point
WDAK 1340

HAWAII

Hilo
KHBC 1230

Honolulu
KGMB 590
KGU 760

Lihue
KTOH 1490

IDAHO

Boise
KIDO 1380

Idaho Falls
KID 1350

Lewiston
KRLC 1400

Nampa
KFXD 1230

Pocatello
KSEI 930

Twin Falls
KTFI 1270

Wallace
KWAL 1450

ILLINOIS

Aurora
WMRO 1280

Bloomington
WJBC 1230

Cairo
WKRO 1490

Carthage
WCAZ 1080

Champaign
WDWS 1400

Chicago
WAAF 950
WBBM 780
WCBF 1110
WCFL 1000

WCRW 1240
WEDC 1240
WENR 890
WGES 1390
WGN 720
WJJD 1160
WLS 890
WMAQ 670
WMBI 1110
WSBC 1240

Cicero
WHFC 1450

Danville
WDAN 1490

Decatur
WSOY 1340

East St. Louis
WTMV 1490

Galesburg
WGIL 1400

Harrisburg
WEBQ 1240

Herrin
WJFF 1340

Joliet
WCLS 1340

Peoria
WMBD 1470

Quincy
WTAD 930

Rockford
WROK 1440

Rock Island
WHBF 1270

Springfield
WCBS 1450
WTAX 1240

Tuscola
WDZ 1050

Urbana
WILL 580

INDIANA

Anderson
WHBU 1240

Elkhart
WTRC 1340

Evansville
WEOA 1400
WGBF 1280

Fort Wayne
WGL 1450
WOWO 1190

Gary
WIND 560

Hammond
WHIP 1520
WJOB 1230

Indianapolis
WFBM 1260
WIBC 1070
WIRE 1430
WISH 1310

Kokomo
WKMO 1400

Muncie
WLBC 1340

New Albany
WGRC 1400

Richmond
WKBY 1490

South Bend
WSBT 960

Terre Haute
WBOV 1230

Vincennes
WAOV 1450

West Lafayette
WBAA 920

IOWA

Ames
WVOI 640

Boone
KFGO 1400

Burlington
KBUR 1490

Cedar Rapids
WMT 600

Clinton
KROS 1340

Davenport
WOC 1450

Decorah
KWLC 1240

Des Moines
KRNT 1350
KSO 1460
WHO 1040

Dubuque
KDTH 1370
WKBB 1490

Fort Dodge
KVFD 1400

Iowa City
WSUI 910

Marshalltown
KFJB 1230

Mason City
KGLO 1300

Ottumwa
KBIZ 1240

Shenandoah
KFNF 920

KMA 960

Sioux City
KSCJ 1360
KTRI 1450

KANSAS

Atchinson
KVAK 1450

Coffeyville
KGGF 690

Dodge City
KGNO 1370

Emporia
KTSW 1400

Garden City
KIUL 1240

Great Bend
KVGB 1400

Hutchinson
KWBG 1450

Kansas City
KCKN 1340

Lawrence
KFKU 1250
WREN 1250

Manhattan
KSAC 580

Pittsburg
KOAM 810

Salina
KSAL 1150

Topeka
WLBW 580

Wichita
KANS 1240
KFBI 1070
KFH 1330

KENTUCKY

Ashland
WCMI 1340

Bowling Green
WLBK 1340

Harlan
WHLN 1450

Hopkinsville
WHOP 1230

Lexington
WLAP 1450

Louisville
WAVE 970
WHAS 810
WINN 1240

Owensboro
WOMI 1490

Paducah
WPAD 1450

LOUISIANA

Alexandria
KALB 1240

Baton Rouge
WJBO 1150

Lafayette
KVOL 1340

Lake Charles
KPLC 1490

Monroe
KMLB 1230

New Orleans
WDSU 1280
WTBW 1230
WNOE 1450
WSMB 1350
WWL 870

Shreveport
KRMD 1340
KTBS 1480
KWKH 1130

MAINE

Augusta
WRDO 1400

Bangor
WABI 1230
WLBZ 620

Lewiston
WCOU 1240

Portland
WCSH 970
WGAN 560

Presque Isle
WAGM 1450

MARYLAND

Baltimore
WBAL 1090
WBAL 770

WCAO 600
WCBM 1400
WFBR 1300
WITH 1230

Cumberland
WTRO 820

Frederick
WFMD 930

Hagerstown
WJEJ 1240

Salisbury
WBOC 1490

MASSACHUSETTS

Boston
WAAB 1440
WBZ 1030
WCOP 1150
WEEI 890
WHDH 550
WMEX 1510
WNAC 1260
WORL 950

Fall River
WSAR 1480

Fitchburg
WEIM 1340

Greenfield
WHAI 1240

Holyoke
WHYN 1400

Hyannis
WOCB 1240

Lawrence
WLAW 680
WLLH 1400

Lowell
WLLH 1400

New Bedford
WNBH 1340

Pittsfield
WBRK 1340

Salem
WESX 1230

Springfield
WBZA 1030
WMAS 1450
WSPR 1270

Worcester
WMAW 1230
WORC 1310
WTAG 580

MICHIGAN

Battle Creek
WELL 1400

Bay City
WBCM 1440

Calumet
WHDF 1400

Detroit
WDBK 1400
WTLB 1400
WTR 760
WWJ 950
WXYZ 1270

East Lansing
WKAR 870

Escanaba
WDBC 1490

BROADCASTING STATIONS BY LOCATIONS

<p>Flint WFDF 910</p> <p>Grand Rapids WASH 1300 WGRB 1230 WLAJ 1340 WOOD 1300</p> <p>Ironwood WJMS 1450</p> <p>Jackson WIBM 1450</p> <p>Kalamazoo WKZO 590</p> <p>Lansing WJIM 1240</p> <p>Lapeer WMPC 1230</p> <p>Marquette WDMJ 1340</p> <p>Muskegon WKBZ 1490</p> <p>Pontiac WCAR 1130</p> <p>Port Huron WHLS 1450</p> <p>Royal Oak WEXL 1340</p> <p>Saginaw WHAL 980 WSAM 1230</p> <p>Sault Ste. Marie WSOO 1230</p> <p>Traverse City WTCM 1400</p>	<p>Willmar KWLM 1340</p> <p>Winona KWNO 1230</p> <p style="text-align: center;">MISSISSIPPI</p> <p>Columbus WCBT 1400</p> <p>Greenville WJPR 1340</p> <p>Greenwood WGFM 1240</p> <p>Gulport WGCM 1240</p> <p>Hattiesburg WFOR 1400</p> <p>Jackson WJDX 1300 WSLI 1450</p> <p>Laurel WAML 1340</p> <p>McComb WSKB 1230</p> <p>Meridian WCOC 910</p> <p>Natchez WMIS 1490</p> <p>Vicksburg WQIC 1390</p> <p style="text-align: center;">MISSOURI</p> <p>Cape Girardeau KFVS 1400</p> <p>Clayton KFUO 850</p> <p>Columbia KFRU 1400</p> <p>Hannibal KJMO 1340</p> <p>Jefferson City KWOS 1340</p> <p>Joplin WMBH 1450</p> <p>Kansas City KCMO 1480 KTTE 1590 KMBC 980 WDAF 610 WIBB 880</p> <p>Poplar Bluff KWOC 1240</p> <p>St. Joseph KFEQ 680</p> <p>St. Louis KMOX 1120 KSD 550 KWK 1380 KNOK 630 WEW 770 WIL 1230</p> <p>Sedalia KDRO 1490</p> <p>Springfield KGIX 1260 KWTO 560</p> <p style="text-align: center;">MONTANA</p> <p>Billings KGIL 790</p>	<p>Bozeman KRBM 1450</p> <p>Butte KGR 1370</p> <p>Great Falls KFBB 1310</p> <p>Helena KPFA 1340</p> <p>Kalispell KGEZ 1340</p> <p>Miles City KRJT 1340</p> <p>Missoula KGOV 1290</p> <p>Wolf Point KGCN 1480</p> <p style="text-align: center;">NEBRASKA</p> <p>Fremont KORN 1400</p> <p>Grand Island KMMJ 750</p> <p>Hastings KLIAS 1230</p> <p>Kearney KGFV 1340</p> <p>Lincoln KFAB 780 KFOR 1240</p> <p>Norfolk WJAG 1090</p> <p>North Platte KGNF 1460</p> <p>Omaha KOIL 1290 KONB 1490 KOWH 660 WOW 590</p> <p>Scottsbluff KGKY 1490</p> <p style="text-align: center;">NEVADA</p> <p>Las Vegas KENO 1400 KFUN 1450</p> <p>Reno KOH 630</p> <p style="text-align: center;">NEW HAMPSHIRE</p> <p>Keene WKNE 1290</p> <p>Laconia WLNH 1340</p> <p>Manchester WFFA 1370 WMUR 610</p> <p>Portsmouth WHEB 750</p> <p style="text-align: center;">NEW JERSEY</p> <p>Asbury Park WCAP 1310</p> <p>Atlantic City WBAB 1490 WFPG 1450</p> <p>Bridgeton WSNJ 1240</p>	<p>Camden WCAM 1310</p> <p>Jersey City WAAT 970 WHOM 1480</p> <p>Newark WHBI 1280</p> <p>Paterson WPAT 930</p> <p>Red Bank WBRB 1240</p> <p>Frenton WTNJ 1310</p> <p>Zarephath WAWZ 1380</p> <p style="text-align: center;">NEW MEXICO</p> <p>Albuquerque KGGM 1260 KOB 1030</p> <p>Carlsbad KAVE 1240</p> <p>Clovis KICA 1400</p> <p>Gallup KAWM 1490</p> <p>Hobbs KWEW 1490</p> <p>Roswell KGFL 1400</p> <p>Santa Fe KVSE 1340</p> <p style="text-align: center;">NEW YORK</p> <p>Albany WABY 1400 WOKO 1460</p> <p>Auburn WMBO 1340</p> <p>Batavia WBTA 1490</p> <p>Binghamton WBNB 1490</p> <p>Brooklyn WBYN 1430 WBBR 1330 WCNV 1600</p> <p>Buffalo WBEN 930 WBNY 1400 WEBR 1340 WGR 550 WKBW 1520 WSVS 1400</p> <p>Canton WCAD 1250</p> <p>Elmira WENY 1230</p> <p>Endicott WLAN 1450</p> <p>Freeport WGBB 1240</p> <p>Ithaca WHICU 870</p> <p>Jamestown WJTN 1240</p> <p>Kingston WKNY 1490</p>	<p>Newburgh WGNV 1250</p> <p>New York WABC 880 WBNX 1380 WEAF 660 WEVD 1330 WHN 1050 WINS 1000 WTJZ 770 WMCA 570 WNEW 1280 WNYC 830 WOR 710 WOV 1130 WQXR 1560</p> <p>Niagara Falls WILD 1290</p> <p>Ogdensburg WSLB 1400</p> <p>Olean WHDL 1450</p> <p>Plattsburg WMFF 1340</p> <p>Poughkeepsie WKIP 1450</p> <p>Rochester WHAM 1180 WHEC 1460 WSAY 1240</p> <p>Saranac Lake WNBZ 1320</p> <p>Schenectady WGY 810</p> <p>Syracuse WAGE 620 WFBL 1390 WOLF 1490 WSYR 570</p> <p>Troy WHAZ 1330 WTRY 980</p> <p>Utica WIBX 1230</p> <p>Watertown WATN 1240 WVNY 1300</p> <p>White Plains WFAS 1240</p> <p>Woodside WWRL 1600</p> <p style="text-align: center;">NORTH CAROLINA</p> <p>Asheville WISE 1230 WUNC 570</p> <p>Burlington WBBB 920</p> <p>Charlotte WBT 1110 WSOC 1240</p> <p>Durham WDNC 1490</p> <p>Elizabeth City WCNC 1400</p> <p>Fayetteville WFNC 1370</p> <p>Gastonia WGNC 1450</p>
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BROADCASTING STATIONS BY LOCATIONS

Goldsboro
WGBR 1400

Greensboro
WBIG 1470

Greenville
WGTC 1490

Hickory
WHKY 1400

High Point
WMFR 1230

Kinston
WFTC 1230

Raleigh
WPTF 680
WRAL 1240

Roanoke Rapids
WCBT 1230

Rocky Mount
WEED 1450

Salisbury
WSTP 1490

Wilmington
WMFD 1400

Wilson
WGTM 1340

Winston-
Salem
WJAI 1340
WSJS 600

NORTH DAKOTA

Bismarck
KFYR 550

Devils Lake
KDLR 1240

Fargo
WDAY 970

Grand Forks
KFJM 1440

Jamestown
KRMC 1400

Mandan
KGCU 1270

Minot
KLPM 1390

Valley City
KOVG 1490

OHIO

Akron
WADC 1350
WAKR 1590
WJW 1240

Ashtabula
WICA 970

Canton
WHBC 1230

Cincinnati
WCKY 1530
WCPO 1230
WKRC 550
WLW 700
WSAI 1360

Cleveland
WCLE 610
WGAR 1480

WHK 1420
WTAM 1100

Columbus
WBNS 1460
WCOL 1230
WTKR 640
WOSU 570

Dayton
WHIO 1290
WING 1410

Lima
WLOK 1240

Mansfield
WMAN 1400

Marion
WMRN 1490

Portsmouth
WPAY 1400

Springfield
WIZE 1340

Steubenville
WSTV 1340

Toledo
WSPD 1340
WTOL 1230

Youngstown
WEMJ 1450
WKBN 570

Zanesville
WHIZ 1240

OKLA- HOMA

Ada
KADA 1230

Ardmore
KVSO 1240

Elk City
KASA 1240

Enid
KCRC 1390

Lawton
KSWO 1150

Muskogee
KBIX 1490

Norman
WNAD 640

Oklahoma
City
KOCY 1340
KOMA 1520
KTOK 1400
WKY 930

Okmulgee
KHBG 1240

Ponca City
WBBZ 1230

Shawnee
KGFF 1450

Tulsa
KOME 1340
KTUL 1430
KVOO 1170

OREGON

Albany
KWIL 1240

Astoria
KAST 1230

Baker
KBKR 1490

Bend
KBND 1340

Corvallis
KOAC 550

Eugene
KORE 1450

Grants Pass
KUIN 1340

Klamath Falls
KFJI 1240

La Grande
KLBM 1450

Marshfield
KOOS 1230

Medford
KMED 1440

Portland
KALE 1330
KBPS 1450
KEX 1190
KGW 620
KOIN 970
KWJJ 1080
KXL 1450

Roseburg
KRNR 1490

Salem
KSLM 1300

The Dalles
KODL 1230

PENN- SYLVANIA

Allentown
WCBA 1470
WSAN 1170

Altoona
WFBG 1340

Butler
WISR 680

DuBois
WCED 1230

Easton
WEST 1400

Eric
WERC 1490
WLEU 1450

Glenside
WIBG 990

Greensburg
WHJB 620

Grove City
WSAJ 1340

Harrisburg
WHP 1460
WKBO 1230

Hazleton
WAZL 1450

Johnstown
WJAC 1400

Lancaster
WGAL 1490

Lewistown
WMRF 1490

New Castle
WKST 1280

New Kensington
WKPA 1150

Philadelphia
KYW 1060
WCAU 1210
WDAS 1400
WFIL 560
WHAT 1340
WIP 610
WPEN 950
WTEL 1340

Pittsburgh
KDKA 1020
KQV 1410
WCAE 1250
WJAS 1320
WWSW 1490

Reading
WEEU 850
WRAW 1340

Scranton
WARM 1400
WGBI 910
WQAN 910

Sharon
WPIC 790

Sunbury
WKOK 1240

Uniontown
WMBS 590

Wilkes-Barre
WBAX 1240
WBRE 1340

Williamsport
WRAK 1400

York
WORK 1350

PUERTO RICO

Mayaguez
WPRZ 790

Ponce
WPAB 1370
WPRP 1520

San Juan
WIAC 580
WKAQ 620
WNEL 1320

RHODE ISLAND

Pawtucket
WFUCI 1420

Providence
WEAN 790
WJAR 920
WPRO 630

SOUTH CAROLINA

Anderson
WAIM 1230

Charleston
WCSC 1390
WTMA 1250

Columbia
WCOS 1400
WIS 560

Florence
WOLS 1230

Greenville
WFBC 1330
WMRC 1490

Greenwood
WMDP 1450

Spartanburg
WORD 1400
WSPA 950

Sumter
WFIG 1340

SOUTH DAKOTA

Aberdeen
KABR 1420

Brookings
KF DY 790

Pierre
KGFY 630

Rapid City
KOBH 1400
WCAT 1230

Sioux Falls
KSEL 1230
KSOO 1140

Vermillion
KUSD 920

Watertown
KWAT 1240

Yankton
WNAX 570

TENNES- SEE

Bristol
WOPI 1490

Chattanooga
WAPO 1150
WDFE 1400
WDDO 1310

Clarksville
WJZM 1400

Cookeville
WHUB 1400

Jackson
WTJS 1390

Johnson City
WJHL 910

Kingsport
WKPT 1400

Knoxville
WBIR 1240
WNOX 990
WROL 620

Memphis
WHBQ 1400
WMC 790
WMPG 1460
WREC 600

Nashville
WLAC 1510
WSIX 1240
WSM 650

BROADCASTING STATIONS BY LOCATIONS

CANADA

ALBERTA

Calgary
CFAC 960
CFCN 1010
CJCJ 1230

Edmonton
CFRN 1260
CJCA 930
CKUA 580

Grande Prairie
CFGP 1340

Lethbridge
CJOC 1400

BRITISH COLUMBIA

Chilliwack
CHWK 1340

Kamloops
CFJC 910

Kelowna
CKOV 630

Nelson
CKLN 1450

Prince Rupert
CFPR 1240

Trail
CJAT 610

Vancouver
CBR 1130
CFOR 600
CKMO 1410
CKWX 980

Victoria
CFCT 1480

MANITOBA

Brandon
CKX 1150

Flin Flon
CFAR 1400

Winnipeg
CJRC 630
CKY 990

NEW BRUNSWICK

Campbellton
CKNB 1240

Fredericton
CFNB 550

Moncton
CKCW 1400

Sackville
CBA 1070

St. John
CHSJ 1150

NOVA SCOTIA

Glace Bay
VAS 685

Halifax
CHNS 960

Sydney
CJCB 1270

Yarmouth
CJLS 1340

ONTARIO

Brantford
CKPC 1380

Chatham
CFCO 630

Cobalt
CKMC 1240

Hamilton
CHML 900
CKOC 1150

Kenora
CKCA 1450

Kingston
CFRC 1490

Kirkland Lake
CJKL 560

London
CFPL 1570

North Bay
CFCH 1230

Ottawa
CBO 910
CKCO 1340

Owen Sound
CFOS 1406

Port Arthur
CKPR 580

Prescott
CFLC 1450

St. Catharines
CKTB 1230

Sault Ste. Marie
CJIC 1490

Stratford
CJCS 1240

Sudbury
CKSO 790

Timmins
CKGB 1470

Toronto
CBL 740
CBY 1010
CFRB 860
CKCL 580

Windsor
CKLW 800

Wingham
CKNX 1230

PRINCE EDWARD ISLAND

Charlottetown
CFGY 630
CHCK 1340

Summerside
CHGS 1480

QUEBEC

Chicoutimi
CJB 1240

Hull
CKCH 1240

Montreal
CBF 690
CBM 940
CFCF 600
CHLP 1490
CKAC 730

New Carlisle
CHNC 610

Quebec
CBV 980
CHRC 1400
CKCV 1340

Rimouski
CJBR 900

Rouyn
CKRN 1400

Ste. Anne de la Pociatiere
CHBG 1230

Sherbrooke
CHLT 1240

Three Rivers
CHLN 1450

Val d'Or
CKVD 1230

SASKATCHEWAN

Moose Jaw
CHAB 1220

Prince Albert
CKBI 900

Regina
CJRM 980
CKCK 620

Saskatoon
CFQC 600

Watrous
CBK 540

Yorkton
CJGX 1460

CMCO 1230

CMCQ 1420

CMCU 1190

CMCR 1580

CMCW 1230

CMCX 1290

CMCY 590

CMK 740

CMOA 1360

CMOX 1490

CMQ 690

CMW 550

CMX 1010

CMZ 630

Holguin
CMKF 1490
CMKO 1220
CMKV 600

Jovellanos
CMGN 1310

Manzanillo
CMKE 1320
CMKM 560

Matanzas
CMGF 1240
CMGH 1440

Nuevitas
CMJQ 1580

Palma Soriano
CMKZ 1430

Pinar del Rio
CMAB 1450
CMAN 1300

Placetas
CMHP 1320

Puerto Padre
CMKY 1350

Sagua la Grande
CMHA 1280

Sancti Spiritus
CMHB 1410

Santa Clara
CMHI 570
CMHN 960
CMHO 1250
CMHQ 810

Santiago
CMCK 1250
CMKD 1290
CMKG 1050
CMKN 930
CMKQ 1460
CMKR 1390
CMKU 970
CMKW 1000

Trinidad
CMHT 990

CUBA

Artemisa
CMAX 830

Banes
CMKX 1090

Caibarien
CMHD 1560

Camaguey
CMJA 1060
CMJC 1340
CMJE 1230
CMJF 1300
CMJK 620
CMJL 920
CMJN 740
CMJW 1400

Cardenas
CMGE 1470

Ciego de Avila
CMJH 1370
CMJI 1440
CMJM 1270
CMJO 1470

Cienfuegos
CMHJ 1350
CMHM 1450
CMHX 1480

Cruces
CMHK 1380

Guanajay
CMAC 1370

Guantanamo
CMKH 1130
CMKS 900

Havana
CMBC 790
CMBD 1420
CMBF 1260
CMBG 1330
CMBH 1540
CMBL 860
CMBQ 1150
CMBS 1330
CMBX 1390
CMBY 1110
CMBZ 950
CMC 1360
CMCA 1490
CMCB 1390
CMCF 910
CMCG 1460
CMCH 1290
CMCJ 1580
CMCK 980
CMCM 1060

BROADCASTING STATIONS BY LOCATIONS

MEXICO

AGUAS-CALIENTES

Aguascalientes
 XEBI 1360
 XEJX 1450

BAJA CALIFORNIA

Ensenada
 XEPF 1400

Mexicali
 XEAA 1340
 XEAO 910
 XECL 990

Rosarito Beach

XERB 1090

Tijuana
 XEAC 690
 XEAU 1470
 XEBG 1010
 XEC 1310
 XEGM 950
 XEMO 860
 XEON 1140
 XERT 1440

CAMPECHE

Campeche
 XEA 1370

CHIAPAS

Tuxtla Gutierrez
 XEXJ 1280

CHIHUAHUA

Camargo
 XEDN 1270

Chihuahua
 XEBU 1260
 XEBW 1280
 XEFI 1440
 XEIK 1340
 XEM 1390

Juarez
 XEF 1400
 XEFV 1270
 XEJ 970
 XEP 1300
 XEWG 1360

Parral

XEAT 1250
 XEJR 1490

COAHUILA

Nueva Rosita
 XEMJ 920

Piedras Negras
 XEMU 580

Sabinas
 XEBX 610

Saltillo

XFKS 1330
 XESJ 1420
 XEXU 1490

Torreón
 XEBP 1260
 XEBO 1450
 XEDE 1400
 XEOH 600
 XETB 1350

Villa Acuna
 XEAB 1600
 XEAO 1430
 XEDH 1340

COLIMA

Colima
 XERL 1280

DISTRITO FEDERAL

Mexico
 XEAI 1320
 XEB 1220
 XEBS 1410
 XEBZ 660
 XEDA 1290
 XEDP 730
 XEFO 1110
 XEJP 1150
 XEK 970
 NEL 1260
 XELA 830
 XELZ 1440
 XEMC 1590
 XEMX 1380
 XEN 690
 XENK 620
 XEOF 560
 XEPH 590
 XEPX 1000
 XEQ 940
 XEOK 1350
 XERC 790
 XERH 1500
 XESM 1470
 XEST 1060
 XEW 900
 XEXX 860

DURANGO

Durango
 XEE 1280

GUANAJUATO

Irapuato
 XEBO 1330

Leon
 XEFM 1270
 XERZ 550

Silao
 XEWE 1400

GUERRERO

Acapulco
 XEKJ 1400

JALISCO

Guadalajara
 XEAD 1310
 XED 680
 XEDK 1250
 XEGT 1490
 XEIK 960
 XEHL 1370
 XELV 1340
 XEXM 1400

Guzman
 XEBA 1270

MEXICO

Texcoco
 XENE 1450

Toluca
 XECH 1490
 XENS 1340

MICHOACAN

Morelia
 XEBC 1270
 XEI 1400
 XESF 600

Zamora
 XEGC 1450

NAYARIT

Tepec
 XERK 1450
 XEXT 980

NUEVO LEON

Monterrey
 XEAV 1570
 XEFB 630
 XEG 1030
 XEH 1250
 XEMG 1310
 XEMR 1370
 XET 990
 XEX 1280

OAXACA

Oaxaca
 XENH 1270

PUEBLA

Puebla
 XECD 1170
 XEHR 1090

SAN LUIS POTOSI

San Luis Potosi
 XEBM 1260
 XECZ 1430
 XENQ 1400

SINALOA

Culiacan
 XEGF 1300
 XESA 1360

Los Mochis
 XEFC 1340
 XEOX 1280

Mazatlan
 XEBL 1260
 XEDS 1420
 XERJ 610

SONORA

Agua Prieta
 XERY 1410

Cananea
 XEFO 980
 XEJS 1150

Guaymas
 XEDR 1490

Hermosillo
 XEBH 920
 XEOT 960

Magdalena
 XEDJ 1450

Naco
 XETM 1350

Navojoa
 XEAJ 1400
 XEDL 1270

Nogales
 XEAF 1370
 XEQN 1010
 XESY 1320

Obregon
 XEAP 1290

San Luis Rio Colorado
 XEY 1450

TAMAULIPAS

Madero
 XE'UR 1490

Matamoros
 XEAM 1400
 XEO 970
 XEXP 1450

Nuevo Laredo
 XEBK 1340
 XEDF 1260

XEFE 960
 XELC 1410
 XELF 1380
 XELH 1460
 XELJ 700
 XENT 1140

Reynosa
 XEYZ 1390

Tampico
 XECA 1340
 XEFW 810
 XES 1300
 XETU 1460

Victoria
 XEBJ 1450

VERA CRUZ

Coatzacoalcos
 XEFZ 1340

Cordoba
 XEAG 1280
 XECW 1340

Jalapa
 XEJA 1400

Minatitlan
 XEDW 1260

Orizaba
 XEPP 1450

Veracruz
 XEHB 1310
 XETF 1250
 XEU 960
 XENF 1490

YUCATAN

Merida
 XEFC 1340
 XEFK 1450
 XEME 1270
 XEMH 1400
 XEZ 600

Progresso
 XEOK 1430

ZACATECAS

Fresnillo
 XEMA 1340

Zacatecas
 XELK 1280

NORTH AMERICA

BAHAMAS

Nassau
 ZNS 790

COSTA RICA

Heredia
 TI4NRH 725

San Jose

TIEP 830
 TIGH 690
 TIGPH 605
 TIGPH2 1225
 TING 750
 TIPG 625
 TIRCC 1200

BROADCASTING STATIONS BY LOCATIONS

DOMINI- CAN REPUBLIC	
Ciudad	
Trujillo	
HIN	1090
HIX	950
HIZ	1350
H18Q	1470
EL SALVADOR	
San Salvador	
YSS	640
GUATE- MALA	
Guatemala	
City	
TGW	1520
TG1	1310
Quezalte- nango	
TGQ	1450
HAITI	
Leogane	
HHK	1080
Port-au- Prince	
HHW	1230

HONDURAS	
Tegucigalpa	
HRN	1450
MIQUELON	
St. Pierre	
FQN	609
NEW- FOUND- LAND	
St. John's	
VOGY	840
VONF	640
VOWR	700
NICARA- GUA	
Managua	
YNOW	1230
YNPH	660
PANAMA	
Colon	
HOK	640

SOUTH AMERICA	
VENEZUE- LA	
Barcelona	
YV6RE	1080
Barquisimeto	
YV3RA	1270
VOGY	1475
YV3RE	1475
Bolivar	
YV6RA	1400
Caracas	
YVKA	630
YV5RA	960
YV5RB	790
YV5RG	1010
YV5RI	590
YV5RL	1160
YV5RQ	882
Coro	
YV1RW	1370
La Guaira	
YV5RZ	1050
Maracaibo	
YV1RA	1300
YV1RC	1400
YV1RD	1153
YV1RF	1120
YV1RK	1250
Maracay	
YV4RD	1153
YV4RL	1430
Puerto Cabello	
YV4RR	1490
San Cristobal	
YV2RB	980
Valencia	
YV4RA	1350
YV4RE	1400

BROADCASTING STATIONS BY FREQUENCIES

(Concluded from Page 66)

1590 kcs. (188.6 m.)

KITE	M	1000
WAKR	BP	1000
WALB	P	1000
WBRY	CM	5000
XEMC	....	5000

- | | |
|---|--|
| | |
| a | Kansas City, Mo., First Natl. Television, Inc. |
| z | Akron, Ohio, Summit Radio Corp. |
| z | Albany, Ga., Herald Pub. Co. |
| a | Waterbury, Conn., American-Republican, Inc. |
| z | Mexico City, D. F. |

1600 kcs. (187.4 m.)

KPMC	M	1000
WCNW	2	250
WWRL	2	250
XEAB	....	5000

- | | |
|---|--|
| | |
| a | Bakersfield, Calif., Pioneer Mercantile Co. |
| a | Brooklyn, N. Y., Arthur Faske |
| a | Woodside, N. Y., Long Island Brdcastg. Corp. |
| z | Villa Acuna, Coah. |

(Continued from page 4)

R. J. Townsley, 108 Locust St.,
Wrightsville, Pa. (Correspond).

John N. Varga, 4758 West End
Ave., Chicago, Ill. (SWL cards).

Harold Balaam, 11919 School St.,
Lynwood, Calif. (SWL cards).

R. A. Butts, c/o Cabin Creek Lum-
ber Co., Easton, Wash., wants to buy
or borrow log books of years 1920,
1922, 1924, 1926 and 1928. If anyone
having such a book, does not care to
sell it, Mr. Butts promises to take
good care of it if he man borrow it.

Page seventy-four

Anyone who is interested in DXing
may join the Radex Club. There are
no obligations and no fees. Just send
your request for membership on a
postal card and we will send your
membership card.

**YOUR COPY OF RADEX
DELIVERED TO YOUR HOME.
SEE PAGE 80**

BROADCASTING STATIONS BY CALL LETTERS

For power and network affiliations, see The space under the call letters may be used for logging or checking.
the list of stations by frequencies.

CBA	1070	CHGS	1480	CKCW	1400	CMBX	1390	CMHP	1320	CMKW	1000
CBF	690	CHLN	1450	CKGB	1470	CMBY	1110	CMHQ	810	CMKX	1090
CBJ	1240	CHLP	1490	CKLN	1450	CMBZ	950	CMHT	990	CMKY	1350
CBK	540	CHLT	1240	CKLW	800	CMC	1360	CMHX	1480	CMKZ	1430
CBL	740	CHML	900	CKMC	1240	CMCA	1490	CMJA	1060	CMOA	1360
CBM	940	CHNC	610	CKMO	1410	CMCB	1390	CMJC	1340	CMOX	1490
CBO	910	CHNS	960	CKNB	1240	CMCF	910	CMJE	1230	CMQ	690
CBR	1130	CHRC	1400	CKNX	1230	CMCG	1460	CMJF	1300	CMW	550
CBV	980	CHSJ	1150	CKOC	1150	CMCH	1290	CMJH	1370	CMX	1010
CBY	1010	CHWK	1340	CKOV	630	CMCJ	1580	CMJI	1440	CMZ	630
CFAC	960	CJAT	610	CKPC	1380	CMCK	980	CMJK	620	FQN	609
CFAR	1400	CJBR	900	CKPR	580	CMCM	1060	CMJL	920	HHK	1080
CFCF	600	CJCA	930	CKRN	1400	CMCO	1230	CMJM	1270	HHW	1230
CFCH	1230	CJCB	1270	CKSO	790	CMCQ	1420	CMJN	740	HIN	1090
CFCN	1010	CJCJ	1230	CKTB	1230	CMCR	1580	CMJO	1470	HIX	950
CFCO	630	CJCS	1240	CKUA	580	CMCU	1190	CMJQ	1580	HIZ	1350
CFCT	1480	CJGX	1460	CKVD	1230	CMCW	1230	CMJW	1400	H18Q	1470
CFCY	630	CJIC	1490	CKWX	980	CMCX	1290	CMK	740	HOK	640
CFGP	1340	CJKL	560	CKX	1150	CMCY	590	CMKC	1250	HRN	1450
CFJC	910	CJLS	1340	CKY	990	CMGE	1470	CMKD	1290	KABC	1450
CFLC	1450	CJOC	1400	CMAB	1450	CMGF	1240	CMKE	1320	KABR	1420
CFNB	550	CJOR	600	CMAC	1370	CMGH	1440	CMKF	1490	KADA	1230
CFOS	1400	CJRC	630	CMAN	1300	CMGN	1310	CMKG	1050	KALB	1240
CFPL	1570	CJRM	980	CMAX	830	CMHA	1280	CMKH	1130	KALE	1330
CFPR	1240	CKAC	730	CMBC	790	CMHB	1410	CMKM	560	KAND	1340
CFQC	600	CKBI	900	CMBD	1420	CMHD	1560	CMKN	930	KANS	1240
CFRB	860	CKCA	1450	CMBF	1260	CMHI	570	CMKO	1220	KARK	920
CFRC	1490	CKCH	1240	CMBG	1330	CMHJ	1350	CMKQ	1460	KARM	1340
CFRN	1260	CKCK	620	CMBH	1540	CMHK	1380	CMKR	1390	KASA	1240
CHAB	1220	CKCL	580	CMBL	860	CMHM	1450	CMKS	900	KAST	1230
CHCK	1340	CKCO	1340	CMBQ	1150	CMHN	960	CMKU	970	KATE	1450
CHGB	1230	CKCV	1340	CMBS	1330	CMHO	1250	CMKV	600	KAVE	1240

BROADCASTING STATIONS BY CALL LETTERS

KAWM 1490	KEYS 1490	KFRO 1370	KGHF 1350	KINY 1460	KNX 1070
KBIX 1490	KFAB 780	KFRU 1400	KGHI 1230	KIRO 710	KOA 850
KBIZ 1240	KFAC 1330	KFSD 600	KGHL 790	KIT 1280	KOAC 550
KBKR 1490	KFAM 1450	KFSG 1150	KGIR 1370	KITE 1590	KOAM 810
KBND 1340	KFAR 610	KFUN 1450	KGIW 1450	KIUL 1240	KOB 1030
KBPS 1450	KFBB 1310	KFUO 850	KGKB 1490	KIUN 1400	KOBH 1400
KBST 1490	KFBC 1450	KFVD 1020	KGKL 1400	KIUP 1400	KOCA 1240
KBTM 1230	KFBI 1070	KFVS 1400	KGKO 570	KJBS 1100	KOCY 1340
KBUR 1490	KFBK 1530	KFWB 980	KGKY 1490	KJR 1000	KODL 1230
KBWD 1380	KFDA 1230	KFXD 1230	KGLO 1300	KLBM 1450	KOH 630
KCKN 1340	KFDM 560	KFXJ 1230	KGLU 1450	KLCN 1320	KOIL 1290
KCMC 1450	KFDY 790	KFXM 1240	KGMB 590	KLO 1430	KOIN 970
KCMO 1480	KFEL 950	KFYO 1340	KGNC 1440	KLPM 1390	KOKO 1400
KCRC 1390	KFEQ 680	KFYR 550	KGNF 1460	KLRA 1420	KOL 1300
KCRJ 1340	KFGQ 1400	KGA 1510	KGNO 1370	KLS 1310	KOMA 1520
KDAL 1490	KFH 1330	KGB 1360	KGO 810	KLUF 1400	KOME 1340
KDB 1490	KFI 640	KGBS 1240	KGU 760	KLX 910	KOMO 950
KDFN 1470	KFIO 1150	KGBU 930	KGVO 1290	KLZ 560	KONB 1490
KDKA 1020	KFIZ 1450	KGBX 1260	KGW 620	KMA 960	KONO 1400
KDLR 1240	KFJB 1230	KGCU 1270	KGY 1240	KMAC 1400	KOOS 1230
KDNT 1450	KFJI 1240	KGCX 1480	KHAS 1230	KMBC 980	KORE 1450
KDON 1240	KFJM 1440	KGDE 1230	KHBC 1230	KMED 1440	KORN 1400
KDRO 1490	KFJZ 1270	KGDM 1130	KHBG 1240	KMJ 580	KOTN 1490
KDTH 1370	KFKA 910	KGEK 1230	KHJ 930	KMLB 1230	KOVC 1490
KDYL 1320	KFKU 1250	KGER 1390	KHMO 1340	KMMJ 750	KOVO 1240
KECA 790	KFMB 1450	KGEZ 1340	KHQ 590	KMO 1360	KOWH 660
KELA 1470	KFNF 920	KGFF 1450	KHSL 1290	KMOX 1120	KOY 550
KELD 1400	KFOR 1240	KGFI 1490	KHUB 1340	KMPC 710	KPAB 1490
KELO 1230	KFOX 1280	KGFI 1230	KICA 1400	KMTR 570	KPAC 1250
KENO 1400	KFPL 1340	KGFL 1400	KID 1350	KMYC 1450	KPDN 1340
KERN 1410	KFPW 1400	KGFW 1340	KIDO 1380	KMYR 1340	KPFA 1240
KEUB 1450	KFPY 920	KGFX 630	KIDW 1450	KNEL 1490	KPHO 1230
KEVR 1400	KFQD 790	KGGF 690	KIEM 1480	KNET 1450	KPLC 1490
KEX 1190	KFRC 610	KGGM 1260	KIEV 870	KNOW 1490	KPLT 1490

BROADCASTING STATIONS BY CALL LETTERS

WILM	1450	WJLS	1240	WKST	1280	WMBG	1380	WNAD	640	WPAT	930
WINC	1400	WJMA	1340	WKWK	1400	WMBH	1450	WNAX	570	WPAX	1240
WIND	560	WJMC	1240	WKY	930	WMBI	1110	WNBC	1410	WPAY	1400
WING	1410	WJMS	1450	WKZO	590	WMBO	1340	WBNF	1490	WPEN	950
WINN	1240	WJNO	1230	WLAC	1510	WMBR	1400	WNBH	1340	WPAD	1450
WINS	1000	WJOB	1230	WLAG	1240	WMBBS	590	WNBZ	1320	WPER	1340
WINX	1340	WJPF	1340	WLAK	1340	WMC	790	WNEL	1320	WPIC	790
WIOD	610	WJPR	1340	WLAN	1450	WMCA	570	WNEW	1280	WPID	1240
WIP	610	WJR	760	WLAP	1450	WMDF	1450	WNLC	1490	WPRA	790
WIRE	1430	WJRD	1230	WLAV	1340	WMEX	1510	WNOE	1450	WPRO	630
WIS	560	WJSV	1500	WLAW	680	WMFD	1400	WNOX	990	WPRP	1520
WISE	1230	WJTN	1240	WLB	770	WMFF	1340	WNYC	830	WPTF	680
WISH	1310	WJW	1240	WLBC	1340	WMFG	1240	WOAI	1200	WQAM	560
WISN	1150	WJZ	770	WLBZ	1340	WMFJ	1450	WOC	1450	WQAN	910
WISR	680	WJZM	1400	WLBL	930	WMFR	1230	WOCB	1240	WQBC	1390
WITH	1230	WKAQ	620	WLBZ	620	WMGA	1400	WOI	640	WQXR	1560
WIZE	1340	WKAR	870	WLEU	1450	WMIN	1400	WOKO	1460	WRAK	1400
WJAC	1400	WKAT	1360	WLLH	1400	WMIS	1490	WOL	1260	WRAL	1240
WJAG	1090	WKBB	1490	WLNH	1340	WMJM	1490	WOLF	1490	WRAW	1340
WJAR	920	WKBH	1410	WLOF	1230	WMMN	920	WOLS	1230	WRBL	1230
WJAS	1320	WKBN	570	WLOG	1230	WMOB	1230	WOMI	1490	WRC	980
WJAX	930	WKBO	1230	WLOK	1240	WMOG	1490	WOMT	1240	WRDO	1400
WJBC	1230	WKBV	1490	WLLOL	1330	WMPC	1230	WOOD	1300	WRDW	1490
WJBK	1490	WKBW	1520	WLPM	1450	WMPS	1460	WOPI	1490	WREC	600
WJBO	1150	WKBZ	1490	WLS	890	WMRC	1490	WOR	710	WREN	1250
WJBW	1230	WKEU	1450	WLVA	1230	WMRF	1490	WORC	1310	WRGA	1490
WJBY	1240	WKIP	1450	WLW	700	WMRN	1490	WORD	1400	WRJN	1400
WJDX	1300	WKMO	1400	WMAL	630	WMRO	1280	WORK	1350	WRLC	1450
WJEJ	1240	WKNE	1290	WMAM	570	WMSD	1450	WORL	950	WRNL	910
WJHL	910	WKNY	1490	WMAN	1400	WMSL	1400	WOSU	570	WROK	1440
WJHO	1400	WKOK	1240	WMAQ	670	WMT	600	WOV	1130	WROL	620
WJHP	1320	WKPA	1150	WMAS	1450	WMUR	610	WOW	590	WRR	1310
WJIM	1240	WKPT	1400	WMAW	1230	WMVA	1450	WOWO	1190	WRUF	850
WJJD	1160	WKRC	550	WMAZ	940	WNAB	1450	WPAB	1370	WRVA	1140
WJLB	1400	WKRO	1490	WMBD	1470	WNAC	1260	WPAR	1450	WSAI	1360

BROADCASTING STATIONS BY CALL LETTERS

WSAJ	1340	WSVA	550	WWRL	1600	XEBQ	1450	XEFM	1270	XELW	1340
WSAM	1230	WSVS	1400	WWSR	1420	XEBS	1410	XEFO	1110	XELZ	1440
WSAN	1470	WSYB	1490	WWSW	1490	XEBU	1260	XEFQ	980	KEM	1390
WSAR	1480	WSYR	570	WWVA	1170	XEBW	1280	KEFV	1270	XEMA	1340
WSAU	1400	WTAD	930	WXYZ	1270	XEBX	610	XEFW	810	XEMC	1590
WSAV	1340	WTAG	580	XEA	1370	XEBZ	660	XEFZ	1340	XEME	1270
WSAY	1240	WTAL	1340	XEAA	1340	XEC	1310	XEG	1050	XEMG	1310
WSAZ	930	WTAM	1100	XEAB	1600	XECA	1340	XEGC	1450	XEMH	1400
WSB	750	WTAQ	1360	XEAC	690	XECD	1170	XEGF	1300	XEMJ	920
WSBC	1240	WTAR	790	XEAD	1310	XECF	1340	XEGM	950	XEMO	860
WSBT	960	WTAW	1150	XEAF	1370	XECH	1490	XEGT	1490	XEMR	1370
WSFA	1440	WTAX	1240	XEAG	1280	XECL	990	XEH	1250	XEMU	580
WSGN	1340	WTBO	820	XEAI	1320	XECW	1340	XEHB	1310	XEMX	1380
WSIX	1240	WTCM	1400	XEAJ	1400	XECZ	1430	XEHK	960	XEN	690
WSJS	600	WTCN	1280	XEAM	1400	XED	680	XEHL	1370	XENK	620
WSKB	1230	WTEL	1340	XEAO	910	XEDA	1290	XEHR	1090	XENT	1140
WSLB	1400	WTHT	1230	XEAP	1290	XEDE	1400	XEI	1400	XEO	970
WSLI	1450	WTIC	1080	XEAQ	1430	XEDF	1260	XEJ	970	XEOF	560
WSLS	1490	WTJS	1390	XEAT	1250	XEDH	1340	XEJA	1400	XEOH	600
WSM	650	WTMA	1250	XEAU	1470	XEDJ	1450	XEJK	1340	XEOK	1430
WSMB	1350	WTMC	1490	XEAW	1570	XEDK	1250	XEJP	1150	XEON	1140
WSNJ	1240	WTMJ	620	XEAZ	1390	XEDL	1270	XEJR	1490	XEOT	960
WSOC	1240	WTMV	1490	XEB	1220	XEDN	1270	XEJS	1150	XEOX	1280
WSOO	1230	WTNJ	1310	XEBA	1270	XEDP	730	XEJX	1450	XEP	1300
WSOY	1340	WTOC	1290	XEBC	1270	XEDR	1490	XEK	970	XEPF	1400
WSPA	950	WTOL	1230	XEBG	1010	XEDS	1420	XEKJ	1400	XEPH	590
WSPB	1450	WTRC	1340	XEBH	920	XEDW	1260	XEKS	1330	XEPP	1450
WSPD	1370	WTRY	980	XEBI	1360	XEE	1280	XEL	1260	XEPX	1000
WSPR	1270	WTSP	1380	XEBJ	1450	XEF	1400	XELA	830	XEQ	940
WSRR	1400	WWDC	1450	XEBK	1340	XEFB	630	XELC	1410	XEQK	1350
WSTP	1490	WWJ	950	XEBL	1260	XEFC	1340	XELF	1380	EQN	1010
WSTV	1340	WWL	870	XEBM	1260	XEFE	960	XELH	1460	KERB	1090
WSUI	910	WWNC	570	XEBO	1330	XEFI	1440	XELJ	790	XERC	790
WSUN	620	WWNY	1300	XEBP	1260	XEFK	1450	XELK	1280	KERH	1500

XERJ	610
XERK	1450
XERL	1280
XERT	1440
XERY	1410
XERZ	550
XES	1300
XESA	1360
XESF	600
XESJ	1420
XESM	1470
XEST	1060
XESY	1320
XET	990
XETB	1350
XETF	1250
XETM	1350
XETR	1490
XETU	1460
XEU	960
XEW	900
XEWE	1400
XEWG	1360
XEX	1280
XEXE	1450
XEXF	1490
XEXH	1270
XEXJ	1280
XEXM	1400
XEXP	1450
XEXQ	1400
XEXS	1340
XEXT	980

XEXU	1490
XEXX	860
KEY	1450
KEZ	600
YNOW	1230
YNPH	660
YSS	640
YVKA	630
YV1RA	1300
YV1RC	1400
YV1RD	1153
YV1RF	1120
YV1RK	1250
YV1RW	1370
YV2RB	980
YV3RA	1270
YV3RE	1475
YV4RA	1350
YV4RD	1153
YV4RE	1400
YV4RL	1430
YV4RR	1490
YV5RA	960
YV5RB	790
YV5RG	1010
YV5RI	590
YV5RL	1160
YV5RQ	882
YV5RZ	1050
YV6RA	1400
YV6RE	1080
ZNS	790

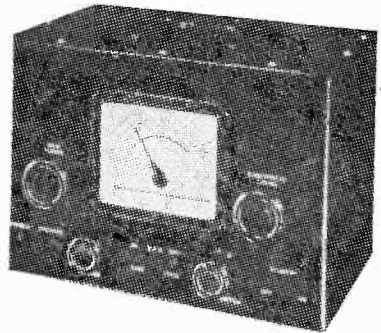
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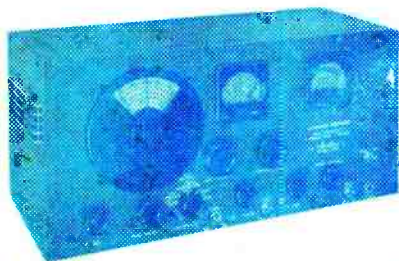
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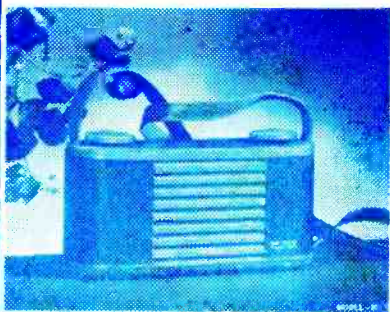
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