

RADIO INDEX

The All-Wave Log Authority

NSE

No. 145

SEPTEMBER - OCTOBER, 1941

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IN
CANADA

30c



VERY IMPORTANT ANNOUNCEMENT PAGE 50

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RADEX
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We pay the shipping charges

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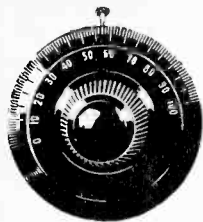
RADEX
Emerson, New Jersey



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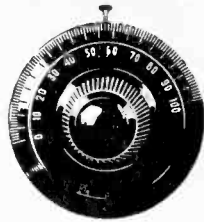
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VERY IMPORTANT ANNOUNCEMENT



RADIO INDEX

Reg. U. S. Patent Office



EIGHTEENTH YEAR

SEPTEMBER 1, 1941

NO. 145

RAY LA ROCQUE, *Editor*

MELVIN FISHER, *Western Editor*

OWEN P. CALLIN, *Amateur Editor*

B. FRANCIS DASHIELL, *Technical Editor*

All material for use in RADEX as illustrations, readers reports, news items, suggestions and criticisms, in short all editorial material except that intended directly for either the Western or Amateur editors (addresses published elsewhere) should now be addressed to the new RADEX Editorial Office.

All subscriptions, requests for plaques, or for purchases of any articles advertised for sale by RADEX should be addressed to the RADEX Business Office.

RADEX Editorial Office
105 Highland Street
Worcester, Mass.

RADEX Business Office
12 Locust Avenue
Emerson, N. J.

Ring Out the Old — Ring In the New

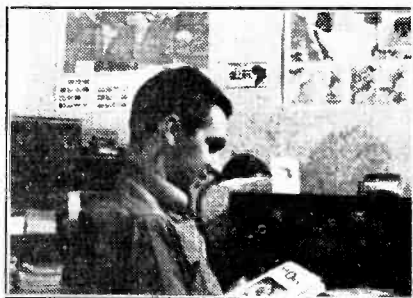
After editing and "putting to bed" the July-August issue of RADEX, Page Taylor, editor of RADEX for over five years, resigned from this position in favor of other and more important duties, and Ray LaRocque assumed the editorship of "The All Wave Radio Log Authority."

Starting its eighteenth year of continuous publication with this issue, RADEX enjoys what we believe to be a unique distinction—eighteen years under the guidance of only two editors. Its first editor and publisher, Fred Clayton Butler, founded RADEX when radio was born, and guided it through

radio's formative period, when every station was a catch and every listener a DXER. When Mr. Butler passed away in 1936 Page Taylor assumed the editor's post.

The new editor of RADEX is one of the country's best known radio writers, having served as the "Chief Night Owl" with "All Wave Radio," and for the past three years as Shortwave and East Coast Editor of RADEX. When he is not busy writing the articles which are eagerly followed by thousands of radio fans in all parts of the world, he makes himself busy twirling the dials of his own receivers, or carrying on his extensive correspondence with DXers in Spanish as well as in English. He is an all wave DXer, showing no preference for any particular spot in the radio spectrum.

The publishers and the retiring editor feel that Ray LaRocque ushers in a new period in the life of radio,



RAY LA ROCQUE

and R A D E X. Frequency modulation and television have gone commercial, and reception of overseas shortwave stations is now as commonplace as regular local broadcast band reception. DXing is on the increase, perhaps because distance has become easier to get, or maybe because a great many people feel they can get more entertainment via the shortwaves than they can from local stations. Whatever the case may be, RADEX under its new editor will cover every phase of radio and provide DXers with all the information they require for the complete enjoyment of their hobby.

Frequency Modulation



Striking a match in front of a special "Ostrich Egg Mike" via FM to show the lifelike quality of sounds on "W71NY demonstration of FM" program.

Readers Report

Jack Stephenson of Oklahoma City, Okla. reports that W2XMN verifies by letter signed by Edwin H. Armstrong . . . Fred E. Delaney of Springfield, Mass. has this to say: "My interest has been revived of late with my purchase of a Stromberg-Carlson FM receiver." The following items are furnished by Radexer Delaney.

W1XOJ (now W43B) in Boston (transmitter in Paxton) now is operating commercially . . . W1XPW in Hartford (transmitter on Meriden Mountain) now has the call W65H. Both these stations respond promptly to communications and W65H sends program releases. W1XSN, owned by Westinghouse, with transmitter in East Springfield, Mass., broadcasts

programs of the Blue Network almost exclusively. They explain that because this is an experimental station they are making no particular effort to arrange special programs.

Radexer Delaney states, "while a dipole antenna is recommended for proper reception of FM, it is not essential. I use only a home-made multi-directional aerial in my attic. The proper length is 69 inches, divided into two parts. I use four of these at right angles to each other, each section leading into common leads. Last Friday during a heavy thunderstorm, W65H was audible with NO interference whatever!"

W71NY Has Many Features

W71NY, the first station in the New York area to begin commercial operation has a very ambitious program service calling for many special features not heard on AM bands . . . Among these are the regular "FM" demonstrations on Tuesdays and Thursdays at 9:45 a.m., and running descriptions of various races in and around New York at Arlington, Empire City, Aqueduct, and Delaware Park on Saturday afternoons at 3:30 p.m.

For music lovers, W71NY has many programs which ought to provide hours of enjoyable listening—especially so because of the added beauty of tone and crystal clear reception provided by an FM receiver. There's the **Symphonic Cycle** daily from 7-8 a.m., presenting the greatest symphonies of the old masters . . . The **Chamber Music Hour** is heard on Sundays from 4-5 p.m., and a complete **Gilbert and Sullivan Operetta** follows a little later in the evening at 7:45, lasting until 9 p.m. . . The **Virtuoso Hour** on Saturday at 8 p.m. presents the best in the world of instrumental soloists and small groups, and **Morton Gould's** orchestra is also heard on Saturday

from 8:30-9 p.m. . . Elizabeth Rethberg, soprano, is heard from 8:30-9 p.m. every Friday . . . Throughout the week various concerts are relayed from the concert halls and outdoor theaters of the nation over W71NY.

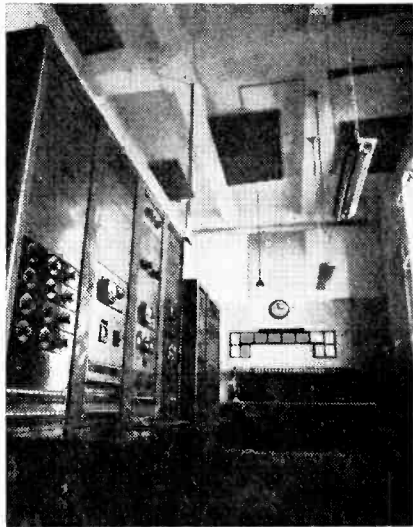
News presentations are plentiful with **AP News** at 8 a.m., 2 p.m., 5 p.m., and **UPNEWS** at 2:55 p.m., **BBC News** at 9 a.m., **Cedric Foster** at 1 p.m. on Tuesday and Thursday, **Roger Shaw** at 7:15 p.m. on Tuesday and Thursday; **Raymond Gram Swing** on Monday, Wednesday, and Friday at 9 p.m., and **B. S. Bercovici** daily at 10 a.m. (All time mentioned is Eastern Standard Time.)

FM News and Notes

Lightning, apparently angry at the way FM thwarts its efforts to ruin radio programs, found a victim in W45D's antenna. Having the last laugh, W45D was back on the air in a few minutes, its signals riding clearly through the roaring storm! . . . Incidentally—W45D's antenna now includes a lightning rod! . . . W71NY's new transmitter of 10 kw. power is now in operation. Speaking of lightning and thunderstorms, we like the announcement plug heard over W71NY during just such storms, to wit:

When the thunder rolls and rumbles,
FM stills those groans and grumbles.
When the lightning snaps and cracks
FM helps you to relax.
In a thunderstorm like this,
FM brings you silent bliss.

Chicago now has two FM stations in operation, W59C being the newest, and W51C the pioneer station in the city, owned by Zenith Radio . . . Educational groups who want to take advantage of the frequencies set aside for this type of FM service, need pay only one dollar royalty to Major Armstrong, in accordance with a generous offer by the inventor of FM to waive the regular fee. . . Baseball fans who can't get good reception of the Boston baseball games, or who be-



General view of transmitter installation at W71NY, 444 Madison Ave., New York, N. Y.

come angered by stations who cut the game during a hectic rally in late innings can hear the game in its entirety over W43B.

W47A in Albany, N. Y., is the country's first commercial FM station that has no alliance with any existing broadcast station. W47A, serving Albany and Schenectady, began its career with 36 sponsored programs, not including spot announcements, thus permitting operation "out of the red" from the start!

Musak Corporation of New York is out to attempt something new "under the FM hand" . . . As is known in New York, Muzak offers now "wired radio music" to hotels and other public places. Under its new FM grant this company plans to lease special receivers to the public to receive its advertising-free, all-musical programs. The new station will use an exceptionally high frequency (117650 kcs.) and in addition to programs the transmitter will emit a "pig squeal" which only special leased receivers will be

able to eliminate. The whole thing is in the nature of an experiment to determine whether a sufficiently large portion of the public would prefer to obtain radio programs by direct payment for the service.

Our "FM" station list includes all stations including experimental (X), Educational (Ed), and Regular Commercial Broadcast stations (C). Some of the broadcast stations are not yet in operation, but the rapidly increasing sales of receivers is causing the owners to rush the stations into operation, even using reduced power until their complete equipment can be obtained.

41100 kcs.

WNYE, New York, N. Y. —, Board of Education (E)

42300 kcs.

—, San Diego, Calif., —, Unified School System (E)

42600 kcs.

W1XK, Hull, Mass., 1000 watts, Westinghouse Electric Co. (X)

W1XSN, E. Springfield, Mass., 1000 w., Westinghouse Electric Co. (X)

W3XMC, Washington, D. C., 1000 w., McNary & Chambers. (X)

W8XAD, Rochester, N. Y., 250 w. WHEC. Inc. (X)

42800 kcs.

W2XMN, Alpine, N. J., 1000 w., Maj. Armstrong (X)

42900 kcs.

—, Urbana, Ill., —, Univ. of Illinois (E)

43000 kcs.

W9XYH, Superior, Wis., Head of Lakes Brdcast. Co. (X)

43100 kcs.

K31LA, Los Angeles, Calif., 20000 sq. mi., Columbia Brdcast. System (C)

W31NY, New York, N. Y., 15610 sq. mi., Maj. Armstrong (C)

43200 kcs.

W2XQR, Long Island City, N. Y., 1000 w., J. V. L. Hogan (X)

W3XO, Washington, D. C., 1000 w., Jansky & Bailey. (X)

W8XFM, Cincinnati, Ohio, 1000 w., Crosley Radio Corp. (X)

43400 kcs.

W1XTG, Worcester, Mass., 1000 w., Worcester Telegram (X)

43500 kcs.

W3XPY, Whippany, N. J., —, Bell Telephone Labs. (X)

W35NY, New York, N. Y., 3900 sq. mi., City of New York (C)

43900 kcs.

W2XWG, New York, N. Y., 1000 watts, National Brdcast. Co. (X)

W39B, Boston, Mass., 31000 sq. mi., Yankee Network (C)

44100 kcs.

W41MA, Winston Salem, N. C., 69400 sq. mi., Gordon Gray (C)

44300 kcs.

W43B, Boston, Mass., 19230 sq. mi., Yankee Network. (C)

44500 kcs.

K45LA, Los Angeles, Calif., 6944 sq. mi., Don Lee System (C)

W45CM, Columbus, Ohio, 12400 sq. mi., WBNS, Inc. (C)

W45D, Detroit, Mich., 6820 sq. mi., Evening News Ass'n. (C)

W45RG, Baton Rouge, La., 8100 sq. mi., Baton R. Brdcast. Corp. (C)

W45V, Evansville, Ind., 8397 sq. mi., Evansville On The Air, Inc. (C)

44700 kcs.

K47SL, Salt Lake City, Utah, 623 sq. mi., Radio Service Corp. (C)

W47A, Albany, N. Y., —, Capitol Broadcast, Co. (C)

W47C, Chicago, Ill., 10800 sq. mi., WJJD, Inc. (C)

W47NV, Nashville, Tenn., 16000 sq. mi., Nat. Life & Accident Ins. Co. (C)

W47P, Pittsburgh, Pa., 8400 sq. mi., Walker Downing Radio (C)

W47PH, Philadelphia, Pa., 9300 sq. mi., Penn. Brdcast. Corp. (C)

44900 kcs.

W3XEZ, Camden, N. J., 1000 watts, RCA Mfg. Co., Inc. (X)

W49D, Detroit, Mich., 6800 sq. mi., John Lord Booth (C)

W49FW, Fort Wayne, Ind., 6700 sq. mi., Westinghouse Electric Co. (C)

W49IN, Binghamton, N. Y., 6500 sq. mi., Wylie B. Jones (C)

—, Kansas City, Mo., 2999 sq. mi., Commercial Radio Equip. Co. (X)

W49PH, Philadelphia, Pa., 9300 sq. mi., WIP, Inc. (C)

45100 kcs.

K51L, St. Louis, Mo., 13000 sq. mi., St. Louis University. (C)

W2XWG, New York, N. Y., 1000 w., National Brdcast. Co. (X)

W51C, Chicago, Ill., 10800 sq. mi., Zenith Radio Co. (C)

W51NY, New York, N. Y., 8500 sq. mi., National Brdcast. Co. (C)

W51R, Rochester, N. Y., 3200 sq. mi., Stromberg Carlson (C)

W51SL, Lexington, Ky., —, American Brdcast. Corp. (C)

45300 kcs.

K53LA, Los Angeles, Calif., 7000 sq. mi., Standard Brdcast. Co. (C)

W53H, Hartford, Conn., 6100 sq. mi., Travelers Brdcast. Service (C)

W53PH, Philadelphia, Pa., 9300 sq. mi., WFTL, Inc. (C)

—, Indianapolis, Ind., 13640 sq. mi., Indianapolis Brdcast. Corp. (C)

45500 kcs.

W55M, Milwaukee, Wisc., 8540 sq. mi., The Journal Co. (C)

W55NY, New York, N. Y., 8500 sq. mi., Wm. G. N. Finch (C)

W57A, Albany, N. Y., 6589 sq. mi., General Electric Co. (C)

(Please turn to page 39)

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 East

with Ray La Roque

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

Ray La Roque
105 Highland Street
Worcester, Mass.

(Please use EST in Reports)

Report-O-Meter

Roger Legge	87
Norman H. Kane, Jr.	75
Arnold F. Worme	24
Stephen Mann	22
L. N. Stracener	12
Arthur M. Hankins	12

Supremacy Ratings

In this month's meter we have used a new method of counting scores and at the suggestion of some of our readers, we are combining our Report-O-Meter scores with the scores on reports received for our RADEN SHORTWAVE Reporter's List announced last month. Connections or additions for our SW station list will score in Report-O-Meter as well as reports used in SW. news columns.

By, the by, a bit of honorable mention to Weston Richards, Francis Fellers, Buddy Giles, Oliverio J. Laperal!

It must be remembered that supremacy scores are for verifications received from standard broadcast stations only. There have been so few changes that we are omitting all but a few of the existing departments this month.

Supremacy for Reporting: For Eastern readers submitting the most useful information to our standard broadcast news section, "Channel Chatter", during the past two months:

- 1.—Morgan B. Iler
- 2.—Bob Gilchrist
- 3.—Stephen Mann
- 4.—Ed. M. Vickers
- 5.—Carl Silvester
- 5.—Bill Cunningham

Honorable mention: L. A. Mayo and Len Kruse.

Supreme Supremacy: For the total number of stations verified:

Thomas, Ohio	2393
Becker, Ohio	1392
Botzum, Penna.	1265
Siringer, Ohio	1078
Koppelou, N. J.	1063

Old Timer's Supremacy: For the oldest dated verification in the possession of an active DXer:

Podall, Vt.	Nov. 1916
Oleson, N. D.	Sept. 1922
Barnhart, Penna.	Feb. 1923
Whittier, Mass.	Oct. 1923
Allen, Calif.	Dec. 1923
Porter, D. C.	Dec. 1923

Other listings not shown here are North American Supremacy, Countries Verified Supremacy, Beginner's Supremacy, Supremacy for the U. S., South American Supremacy, Trans-Atlantic Supremacy, and Trans-Pacific Supremacy.

Incidentally if you should walk into Bob Gilchrist, Morgan Iler, and Robert Koppelou, hand them these bouquets for the splendid help they provided in compiling our first edition of the new DX Calendar.

Suggestions

Ed Laudansky, pardon, we meant to say Private Edward Laudansky says he's glad to see the Nicaraguan and Venezuelan stations included in the new broadcast listing. Ed would like to see all South and Central American stations eventually included in the list. . . . Carl Silvester thinks that the

FCC may undo all the good of the re-allocation by too many new stations or power increases, thereby hampering the reception of those who are on the rim of a station's service area.

G. B. Skellenger, of Elk River, Minn. would like to see a return of the applications to the FCC in RADEX. Also would like data on antenna heights, transmitter locations, etc. published in one of our future issues!

Bob Gilchrist thinks that there's too much material of value to DXers to repeat the same information two months in a row in the standard broadcast indices. Bob suggests information on directional antennas, mail addresses, owners, verification signers, hours of operation, slogan used as some of the data that might be included.

Ed. M. Vickers sends a sample of the mimeographed report forms he uses in requesting verifications. Other readers may submit any forms they use from which RADEX Club forms may eventually be designed and printed for the use of all RADEX Club members who desire them.

Fred Rosencrans sends us one of the illustrated folder on Newburg, N. Y., which he encloses with his requests for verifications. Boys, see your local Chamber of Commerce, this idea sounds like there's a lot of value in it!

Personal Notes

Sunset on Waikiki Beach—The Aloha Tower—just a couple of beautiful picture postal cards from our DX friends in the service . . . Matty Williams is in the Navy, with the U.S.S. Colorado of the Pacific Fleet, and Ed Laudansky is stationed with the regular army at Fort Shafter, Hawaii.

L. A. Mayo has obtained a position with the Canadian Broadcasting Corporation in Montreal and promises a lot of data on the stations of the CBC. . . . Newcomer to the ranks of RADEX, and initiated by Phil Bates is G. F. Barron of Philadelphia, Pa.

W K I -P-	Verification of Reception <i>The Quality Station</i> NBC Blue 1420 Kc 250 Watts Daily 7:00 A. M. to 12 Midnight THE NELSON HOUSE, Poughkeepsie, N. Y.
	This verifies your report of reception of WKIP on the <u>24</u> of February 194 <u>2</u> . Thank you for your report and your interest. Please tune in again and sign us. (Signed) <i>Alfred King</i> <i>Chief Eng.</i> We test on the 1st. Tues. of the Mo. - 6, 30, 42

Tune from this one from 6:30-7:00 on the first Tues. of the month—WKIP

Radexer Barron is employed in Defense work at the Philadelphia Navy Yard.

The story of Radexer Charlie Nyquist, of the Nicholas Cunco, out of Charleston, S. C. makes interesting reading: "I'm a Swedish sailor who has come over here because of the war. I was a radio operator in the Swedish Navy, and had an amateur station in Sweden, which station is now handled by the Swedish Army Force. Now I'm aboard a Honduran banana boat that runs between Cuba and the United States. We are in Charleston every tenth day, but occasionally we stop at Jacksonville, Fla. instead. I have been a very eager DXer and now that it is almost impossible for me to keep in contact with my pals in Sweden, and the Swedish Amateur Club, I would like to be in contact with some DXers in the United States . . . I've reported many stations and usually state in my report just how far out at sea, or where we were in port, when I heard the station." Charlie can be addressed at P. O. Box 901, Charleston, S. C.

Shortwave Quotes and Notes

Ed Laudansky wants to know how long Salvador has been using the prefix HU? . . . Francis Fellers submits an outline of his set-up for those who care to read on: He uses a General Electric, 3-band, superhet receiver equipped for shortwave work. Three antennas are used, a 200 ft. single wire about 40 ft. off the ground for long

wave and broadcast; a doublet, 30 ft. sections, 30 feet off the ground for 20 and 40 meters; and a 25 ft. single wire 50 ft. off the ground for 16 and 20 meters.

Buddy Giles, Wichita Falls, Texas says that he received WLWO's picture folder which made no mention of a verification. Buddy wrote again and received a letter of verification for his efforts. . . . Arnold Worme submits his description of his equipment for those who want to know what the fellows who make the Report-O-Meter use. Arnold uses an Espey 5 tube superhet with a built-in loop antenna, to which he has added a 46 ft. doublet, the sections being 28 ft., and 18 ft., with a 40 ft. lead in. The receiver tunes from 16-49 meters and the broadcast band . . . Same Arnold Worme wants to put CHNX and CB1180 on his blacklist of stations who do not answer.

"I happened to be listening to the German shortwave stations when they asked us to stand by for an important announcement. Following this I heard Hitler's declaration of war, and Von Ribbentrop's speech explaining why Germany was forced (?) into war with Russia over DJB."

Credit CBS with contributing their share toward Pan American good will! They have just added HJDT to their "Network of the Americas" making the 63rd station in twenty-one Latin American nations to become affiliated with CBS . . . Meanwhile, CBS is rushing construction of its new 50 kilowatt transmitters for WCBX and for the new WCRC in Brentwood, Long Island, which stations will shortwave to Latin America, programs broadcasts anywhere in the world.

Alvah Cole, 3005 Buckingham St., Norfolk, Va. wants to hear from DXers about antennas for the various shortwave bands. He wants to get a good antenna up before cold weather sets-in! . . . John Toth, Co. "D", 4th Infantry, Ft. Richardson, Anchorage, Alaska, wonders if he can get the more

powerful stations to verify for him. (The mere fact that you are located in Alaska ought to make your reports desirable to even the most powerful stations. We believe they will verify —Ed.) John also states that on a two-tube home-built receiver he has picked up a fellow in Guam, and gets KGEI nightly!

Broadcast Band Notes and Quotes

Frank B. Lee explains his high standing in the broadcast band section of the RADDEX contest. He's received over 200 verifications this season in fourteen countries, including all states except Idaho and all provinces of Canada. Among them were TP's like 1YA, 4Ya, 2YC, and 3LO.

Bert Podall, up Gilman, Vermont way reminds us that he has in addition to his record breaking veri in the Old Timers Supremacy, another which would rank in second place—from HHK dated Oct. 1921. However, to give the boys a break, we're limiting Bert to one position in the listing.

Some call letter meanings via Morgan B. Her—WRDW for "Where Radio Does Wonders", WSLS for "Shenandoah Life Station", and CFCO for "Coming from Chatham, Ontario"! Our Canadian friend also states that WTIC, WSM, WDAS, and CKY send veri-stamps free!

Welcome to Russell Cain of Reno, Nevada—a newly initiated Radexer . . . t'aint to often we heal from Nevada! . . . C. E. Sleichter of Del Paso Heights, Calif. complains that DX is no good at all since re-allocation.

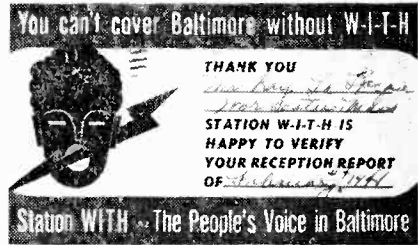
William Waldman does most of his DXing on a Kadette radio which is in the back of the store where he is working! Killing two birds with one stone, huh? . . . One of the recent regulations adopted by the FCC makes it within the power of that organization to authorize the licensee of any radio station during a period of national emergency to operate its facilities upon such frequencies, with such power and points of communica-

tions, and in such a manner beyond that specified in the station license as may be requested by the Army or Navy.

And this dear readers, leads us to the point on our program when it is time to bid our fellow Radexers a fond "adios". Below you will find acknowledgment for all mail received during the past two months, most of which we haven't had time to answer personally. If its all the same to you, Radexers, accept the following as your official and public "thank you" for your kind assistance and words of kindness.

The Reporters

- R7, Pa. 1 Art Hankins, Latrobe, Pa.
 R36, Mich. 1 Carl E. Silvester, Columbiaville, Mich.
 R89, N. D. 1 O. Ingmar, Oleson, Ambrose, N. Dak.
 R100: Weston Richards, Zion, Ill.
 R133: Carl Forestieri, Bronx, N. Y.
 R451: Chet Romanowicz, Fort O'd. Cabl.
 R600: Steve Mann, Lakewood, Ohio.
 R615: Edward Shirley, Jameston, N. Y.
 R695: Frank B. Lee, Wildwood, N. J.
 R739: Kans 5, Gerald Harris, Kansas City, Kans.
 R946: Bertram Podall, Gilman, Vt.
 R1039: S. R. Morris, Haverhill, Mass.
 R1142: Nfld. 3 Rev. H. Quinon, Greenspond, Nfld.
 R1273 Ga5 John D. Long, Dalton, Ga.
 R1320: Frank Gravely, Martinsville, Va.
 R1470: Jack Stephenson, Oklahoma City, Oklahoma.
 R1541: Lincoln A. Mayo, Montreal, So. Quebec, Canada.
 R1691: Hal Robie, Springfield, Mass.
 R1741: Harold A. Whittier, Mansfield, Mass.
 R1816: Albert Koppe, Des Moines, Iowa.
 R1843: L. N. Stracener Jr., Baton, Rouge, La.
 R1847: John Hall, Natick, Mass.
 R1904: Billy Curry, Louisville, Ky.
 R1911: Norman H. Kane Jr., Wynewood, Penn.
 R1923: Wm. R. Knotts, Penser Groves, N. J.
 R1940: Chet Stedman, Westly, R. 1.
 R1978: Bernard F. Arnold, Akron, Ohio.
 R2003: Arnold F. Worme, Brooklyn, N. Y.
 R2006: Buddy Giles, Wichita Falls, Texas.
 R2020: Gerald Swamberg, Brockton, Mass.
 R2053: Anton Duemig, Annapolis, Maryland.
 R2060: Roger Legge, Binghampton.
 R2063: Edward Laudansky, Dorchester, Mass.
 R2145: Frank Caryell, Cleveland, Ohio.
 R2219: Bruce M. Karr, Coshocton, Ohio.
 R2220: Lee D. Johnson, Portland, Maine.
 R2224: Alvah Cole, Norfolk, Va.
 R2228: Francis Feilers, Amherst, Mass.
 R2233: Wm. Waldman, Asheville, N. C.
 R2242: G. F. Barron, Phila., Penn.
 R2246: Eugene Gross, Wester Groves, Mo.
 R2257: John B. Masaryk, Harvey, Ill.
 R2288: Willie Saunders, Washington, D. C.



Blue and red on buff! Those who waited for this one were well rewarded.

- R2297: Everett A. Erickson, Bethel, Conn.
 R2298: Charles E. Watts, West Plains, Mo.
 R2299: Robert G. Earle, Des Moines, Iowa.
 R2309: George Wells, Warwick Neck, P. O. R. I.
 R2319: Byron Harrell, Battle Ground, Washington.
 R2324: George E. Perrin, Rochester, N. Y.
 R2328: Arthur Grant, Monroe, La.
 R2330: Alfred J. Clancy, Rochester, N. Y.
 R2336: E. B. Charlton, Baton Rouge, La.
 R2412: John Foth, Anchorage, Alaska.
 R2418: Charlie Nyquist, Charlestown, S. C.
 R2422: Glenwood Panshen, Delevan, N. Y.
 R2423: Richard Crooks, Wildwood, N. J.
 R2430: G. Walsh, Jr., Boniface, Man. Canada.
 Charles P. Atherton, Marblehead, Mass.
 Warren Baker, Pensacola, Fla.
 Howard G. Bardin, Hartford, Conn.
 Gail Beyer, Chicago, Ill.
 Robert Botzum, Reading, Penn.
 Art Brashear, San Francisco, Calif.
 Roger Crabill, Washington, D. C.
 Bill Cunningham, Hollywood, Calif.
 Jim Davis, Rochester, N. Y.
 Fred Delaney, Springfield, Mass.
 Bob Gilchrist, New York City, N. Y.
 Mrs. L. E. Granus, Eureka, Calif.
 Arthur Grant, Monroe, La.
 Edwin S. Haysrodt, New York City, N. Y.
 Morgan B. Her, Toronato Ont.
 Erick R. Johnson, Wakeheld, N. Y.
 Robert Koppelon, Newark, N. J.
 Len Kruse, Dubuque, Iowa.
 Oliverio J. Laperal, Manila, P. I.
 Pvi, Earl H. Lever, Fort Bragg, N. C.
 T. Liss, Hartsdale, N. Y.
 Donald Mc Corrick, Natick, Mass.
 Charles C. Norton, Oakland, Calif.
 Phil Potter, Washington, R. I.
 Al Pickering, West Medway, Mass.
 Robert Robson, Toronto, Ont.
 Paul Rogers, Washington, D. C.
 Alice Roman, Monterey, Cal.
 Fred Rosencrans, Newburgh, N. Y.
 G. B. Skeitenger, Elk River, Minn.
 C. E. Sleichter, Del Paso Heights, Cal.
 Donald Staples, E. Bridgewater, Mass.
 Lloyd Staples, E. Bridgewater, Mass.
 Art Stephens, Shepherdsville, Ky.
 Harold Strong, Cleveland, Ohio.
 E. M. Vichers, Coral Gables, Fla.
 M. F. Williams, Pearl Harbor, Hawaii.
 T. C. Young, Washington, D. C.
 Jeff ??, Philadelphia, Pa.

IN THE WEST

With Melvin Fisher

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

Melvin Fisher
1642 Harmon Street
Berkeley, Calif.

(Please use PST in reports)

Now that most of us have our summer vacations and "layoffs" from DX behind us, we can start looking forward to those TPs which are expected to start coming through again on the broadcast band in September and October. Yours truly must admit that since getting his new receiver last Spring he has concentrated on the shortwaves, but we have plenty of BCB listeners and reporters in our group, and can state without reservation that this division of DXing will be well represented. So when that broadcast band starts opening up again, we hope to see the reports roll in, fellows.

It seems that "invaders" have walked in and taken all the honors in our Distance Contests which ended on July first. Fred Anderson of Ft. Mills, Philippines, won by a wide margin in the broadcast band contest, his entry being WMAL, 10,200 miles. The shortwave contest was much more closely contested, but here again we Westerners couldn't get our guns out of our holsters before the championship was whisked away. Bill McMahon of Glen Cove, Long Island, took top honors with VIW2, 10,500 miles. And Freddie Anderson, the broadcast band champ, lost out here by a nose with WRUL, 10,400 miles. George J. Hiss had the best entry of the immediate West Coasters, KZRH—6,900 miles.

In the Radex Contests, Art Cushen of New Zealand leads the Westerners in the All Wave Contest with 786 points; Al Hooker of Liberty, Sask., is tops on Shortwave with 246 points. Bob Brown of Goshen, Indiana, a regular contributor to the West Coast column, heads our group on the broadcast band with 1274 points.



*Charlie
Nyquist*

We now come to our regular contest, the selection of the Big Three, which has become a regular feature of our column, and the goal of most of our reporters. Despite the slack summer season, response from our readers was most encouraging, as you will notice by glancing at the list of reporters at the end of the column.

It so happens that a different man has reached that coveted first spot each issue, and this time was no exception. George J. Hiss of West Hollywood, Calif., is the new champion, and is a well deserving one. He has been coming up each month, finishing third in May, second in July, and has now hit the top spot. In so doing, he has tied the record of Art Cushen of New Zealand, who had reached the Big Three three consecutive times, in one of the three

places. The latter just missed maintaining his streak, losing third place by only the scantest of margins, one point!

THE BIG THREE

1.	George J. Hiss	59	points
2.	Charles Benedict	54	"
3.	Gerald Stoneman	15	"

The Consolation Division

4.	Arthur Cushen	14	"
5.	Allen G. Hooker	13	"
6.	Corporal Charles Lannon ..	13	"

Here we must put in a word of praise for Charles Benedict, who put up a strong bid for first place. He has been DXing less than a year, and has been a faithful reporter to the West Coast column, and up to this issue had not even achieved honorable mention. Our congratulations, Charles. Gerald Stoneman came from nowhere to take third place, and his efforts must not be overlooked. Also, we extend our thanks to each and every reporter for their continued cooperation throughout the summer.

OUR REALERS SAY—

TED E. MATZEN, Miles City, Montana—"KRJF" is under construction here in Miles City."

ROBERT BROWN, Goshen, Indiana, has verified 4QS, 3LO, 2YA, and 2UE this past season.

NORM MAGUIRE, Stamford, Conn.—"The Scott is working fine. Have heard five Costa Rican stations already and HJAN and YV5RG still come in evenings. Who is the Mexican in Chihuahua on 900 k/c?"

H. P. CURTIS, Vallejo, Calif., has ordered a new HALICRAFTERS SX-24 and is expecting big results from it. As he is confined to the Naval Hospital, he has no facilities for an aerial, and has to use a ten foot wire hanging out the window.

MASON B. PATTEN, DXes from a downtown hotel in Seattle. Welcome to the DX circle, Mason—let's hear more from you!

PAUL SAMPSON, Regina, Sask.—"The Havana agreement is a decided success as far as this part of

the country goes. With the advent of the new frequencies all Saskatchewan stations are using at least 1000 watts."

JAMES DAGG, Aldergrove, B. C.—"I have heard the following with two tubes: WGN, WJZ, KFPY, KSRO, KQW and KSTP."

EDWARD HEANEY, Santa Barbara, Calif.—"This is my first report as a RADEX member... I am only 13 and started DXing in December, 1940... I have verifications from about fifty stations... my receiver is a Knight B10597 and so far has proved very good, as it has received England, Italy, Germany, Japan, China, Australia, Manchukuo, Ecuador, Guatemala, Cuba, and many others. I may get a "Sky Buddy", so would like some information in regards to it."

FRED ANDERSON, Manila, P. I.—Fred used to do his DXing in the San Francisco Bay Area. Now stationed with the army at Ft. Mills, he has logged 117 and verified 38 stations from the U. S. A. He also kindly submitted a complete list of Japanese stations.

FORREST L. WEBB, Salinas, Calif. Just returned from Hawaii in July. He says, "Took a few spins across the dial and thought that I had come to the wrong country, it's so mixed up. I would like to congratulate the Havana Conference—I'm going to be bewildered for life!... I have a veric from the new Hawaiian, KHON (since deleted—Ed. Note)... No trick to it however. All I did was walk in the station with my portable radio tuned to 1310 k/c and ask for a veri—I got it!"

CHATTER CORNER

Plans for the development of FM on the Pacific Coast are being rushed by the Don Lee Network. KHJ is erecting an antenna on top of Mt. Lee, the present site of television station W6XAO, for experimental work

(Please turn to page 45)

The Radex Contest

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

It is not too late to enter the big Radex DX Contest. Copies of the November - December, 1940 issue of RADEX, in which appeared Coupon Number One, and the other back numbers, can still be obtained from our offices in Emerson, N. J.

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

The Standings of the Contestants in The Radex Contests are as follows:

Broadcast Band

3434	Stephen A. Mann (4) Lakewood, Ohio	644	W. R. Knotts (5) Pennsgrove, N. J.
3222	Frank B. Lee (4) Wildwood, N. J.	630	Roy Woollacott (3) Rochester, N. Y.
2700	David Thomas (2) Proctorville, Ohio	536	Ed Laudansky (4) Dorchester, Mass.
2212	Robert Gilchrist (5) New York City	525	Frank Susorney (2) East Chicago, Ind.
1930	Weston Richards (5) Zion, Ill.	504	V. C. Stasen (4) Philadelphia, Pa.
1918	Robert Brown (4) Goshen, Ind.	432	Philip A. Gridley (4) Holyoke, Mass.
1914	Lem Cavileer (3) Haddon Heights, N. J.	396	William Scott (4) Johnson City, Tenn.
1520	George Wetherill, Jr., (2) Upper Darby, Pa.	380	Donald Fraser (2) Detroit, Mich.
1350	N. B. Boonin (3) Upper Darby, Pa.	360	W. K. Rosenberger (4) Yankton, S. Dak.
1050	Norman Maguire (4) Stamford, Conn.		Shortwave
944	Chet Stedman (4) Westerly, R. I.	6125	Roger Legge (4) Binghamton, N. Y.
850	James O. Weaver (4) Elkhart, Ind.	1560	W. R. Knotts (5) Pennsgrove, N. J.
		1050	Stephen Mann (4) Lakewood, Ohio
		570	E. L. Hoffman (3) Roanoke, Va.
		560	Robt. Sullivan (4) Brooklyn, N. Y.
		381	Norman H. Kane (5) Buffalo, N. Y.
		318	Clarence Lee Mustoe (2) Brady, Mont.
		315	Harold Mannix (3) Cincinnati, Ohio
		308	Ed Laudansky (4) Dorchester, Mass.
		296	Allen Hooker (3) Liberty, Sask.
		240	L. N. Stracener (4) Baton Rouge, La.
		195	Vincent Longo (3) Detroit, Mich.
		176	William Scott (4) Johnson City, Tenn.
		168	Francis Fellers (3) Amherst, Mass.
		144	Harry Johnson (4) Los Angeles, Calif.
		136	Arthur Cushen (4) Invercargill, New Zealand

117	D. L. Bishop (2) Liberty, Sask. Amateur				All Wave
2436	Roger Legge (4) Binghamton, N. Y.	12768	Roger Legge (4) Binghamton, N. Y.		
2152	Merton Meade (4) Kansas City, Mo.	12173	Stephen Mann (4) Lakewood, Ohio		
1995	Tom Smith (4) Orlando, Fla.	9984	W. R. Knotts (5) Pennsgrove, N. J.		
960	Phillipe Bates (5) Philadelphia, Pa.	6244	Lem Cavileer (3) Haddon Heights, N. J.		
861	Roger Crabhil (5) Washington, D. C.	5586	Robert Sullivan (4) Brooklyn, N. Y.		
630	Mike Unger (3) Detroit, Mich.	2688	Robert Gilchrist (5) New York City		
438	Harry O'Meara (4) Manches- ter, Mass.	2220	Ed Laudansky (4) Dorchester, Mass.		
395	Willis Richardson (4) Painesvil- le, Ohio	1703	Wm. Scott (4) Jonhson City, Tenn.		
321	Wm. Scott (4) Johnson City, Tenn.	1640	George Wetherill (2) Upper Darby, Pa.		
300	Edgar Newman (4) Valley Stream, N. Y.	1529	V. C. Stasen (4) Philadelphia, Pa.		
291	Stan Sosnowski (2) Detroit, Mich.	1488	Vincent Longo (3) Detroit, Mich.		
286	Stephen Mann (4) Lakewood, Ohio	1449	N. B. Boonin (3) Upper Darby, Pa.		
208	V. C. Stasen (4) Philadelphia, Pa.	1394	Harold Mannix (3) Cincinnati, Ohio		
200	Alvah Cole (4) Norfolk, Va.	1222	L. B. Stracener (4) Baton Rouge, La.		
168	Everett Erickson (3) Bethel, Conn.	1216	Norman Maguire (4) Stam- ford, Conn.		
126	Ralph Kastner (4) New Braun- fels, Tex.	1122	Hal Newell (4) Arlington, Mass.		
110	Ed Laudansky (4) Dorchester, Mass.				

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
<i>(Column A times</i>			
<i>Column B equals</i>			
<i>Column C).</i>			

Name

Address

City and State

6

- | | | | |
|------|---|-----|---|
| 1026 | Norman Kane (5) Buffalo, N. Y. | 336 | Jos Lippincott (3) E. Vassalboro, Maine |
| 756 | Harry Johnson (4) Los Angeles, Calif. | 332 | Everett Erickson (3) Bethel, Conn. |
| 651 | Merton Meade (4) Kansas City, Mo. | 204 | Roland Burson (2) Mansfield, Ohio |
| 561 | Arthur Cushen (4) Invercargill, New Zealand | | |
| 506 | Arthur Hanks (4) Latrobe, Pa. | | |
| 404 | Charles Bender (3) Pittsburgh, Pa. | | |

Radex Contest Prizes

All Wave Contest

Hallicrafters 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



Souvenir Photo from COCQ.

Deadlines

So many RADEX readers have requested information concerning the deadline for news for various departments in RADEX, that we are revealing them herewith: Articles which have no timely value such as "Questions and Answers", "SWL Trading Post", "RADEX Club", etc., are made up early and therefore the 15th of the month previous to the date of publication is our deadline for these sections.

Departments like "Channel Chatter", and "Round the World on the Shortwaves" are made up at the latest possible date. We will accept all material received up to the 20th of the month previous to date of publication for these news sections. A few scattered reports can be accepted up to the 25th if space permits, and important items reaching us at a late date will be used in the "Stop Press" section up to the 1st of the month. If you want to be sure that your items will be given the most attention, please try to meet the first mentioned deadline. After that time, reports are sorted very quickly and only the best material is selected. Only items of keen importance and timely value will be used in the "Stop Press" section.

'Round The World On The Shortwaves

Compiled by the Eastern and Western Editors from reader reports and other sources. RE denotes Eastern Readers, RW—Western Readers, RX—Official, RF—Melvin Fisher, and RL—Ray La Rocque.

New Radio Andorra. . . VP3BG changes call. . . FIB in Cameroon. . . Danish Freedom Station. . . American addresses for Eire. . . New Brazzeville station. . . Radio in Galapagos Island. . . Complete BBC data. . . Tokyo schedules. . . NIROM data and list. . . KZNB new in Manila. . . Bucharest on the air. . . Hear Bratislava. . .

Algeria

Algiers—(RE): TPZ on 12120 kcs. 'Lci Radio Algiers' is still being heard will from 4-6 p. m. daily. Sign off at 6 p. m. has the announcer shouting "Vive la France" after the sound of a gong.

Andorra

"Radio Andorra" is a new one reported by Steve Mann, operating on 11670 kcs. Broadcasts start at 6:30 a. m.

Angola

Benguela—(RE): Steve Mann reports that his prize CR6RB, reported last month, has verified with card showing—of all things—an elephant!

Argentina

Buenos Aires — (RE): LRU on 15290 kcs. is being heard regularly in the morning from 7:15-8:15 a. m. Programs usually start with the National Anthem and then follows American and Latin American music with announcements in Spanish and English.

Buenos Aires—(RE): ISX on 10350 kcs. is, according to an LRX veri, an official government station which broadcasts occasionally in English. They can be heard trying to contact similar stations in other countries.

Buenos Aires — (RE): ISX2 on 10367 kcs. is a new station, reported by the demon reporter, Norman Kane as broadcasting test with HCJB on Monday evening from 7:45-8:15 p. m.

HCJB tests alternate weeks with ISX, ISX2, and LQB3 on 15710 kcs.

Buenos Aires—(RW): LRX on 9660 kcs. comes on the air at 5:30 a. m. with a loud signal, announcing in English.

Australia

Sydney—(RE): VLQ5 on 9680 kcs. is by far the best bet among the Australians. Listeners report this station heard very well until 7:05 a. m., at which time it signs off. . . VLQ-2 on 11870 kcs. is also reported by readers as heard in the early morning and also in the late evening, but signal not on par with VLQ5 which has the North American program. . . VLQ7 on 9680 kcs., and VLR3 on 11880 kcs. have been heard regularly on the early a. m. transmission to this country from 6:20-7:05 a. m. . . VLQ on 9615 kcs., VLW2 on 9560 kcs., and VLR3 on 11880 kcs. broadcast in French to S. E. Asia from 8:10-9:00 a. m. . . VLQ on 9615 kcs., and VLR3 on 11880 kcs. broadcast in English to western U.S.A. from approximately 10:40 a. m.

Broadcasts to Eastern North America have been changed—that is moved up an hour earlier to 6:20-7 a. m., to cope with Daylight saving time in this country.

Melbourne—(RWF): VLR8, 11760 k/c, is weak but audible as early as 12:30 a. m. VLR4, new transmitter on 15, 230 k/c, is heard 12-1 a. m., and later, in parallel with VLQ2.

VLQ2, 11870 k/c, is heard R9 on their transmission to the Pacific Coast opening at 12:55 a. m.

Bolivia

La Paz—(RE): Radio Nacional de Bolivia operates the following three stations in this city: CP3 on 1390 kcs., CP2 on 6110 kcs., CP38 on 9505 kcs.

These stations operate from 8-10 a. m. and from 6 p. m. to midnight daily. This station is the interference behind XEWW nights. Station can be addressed Oficinas y Estudio, Bolivar 2, Casilla Correo 596, La Paz. Ole Report-O-Meter Kane, now of the Buffalo Kanes reports this one!

Sucre—(RE): CP1 on 9892 kcs. is being reported occasionally in the evening.

La Paz—(RW): CP38 was heard signing off on 9505 k/c at 9:30 p. m. CP2, 6110 k/c, La Paz, came in weakly at 11:30 p. m.

Bermuda

St. George—(RE): ZFB on 10200 kcs. reported heard by Wells of Ontario on 10005 kcs. is this month reported by Worme of N. Y., on this new frequency! Has anyone the official frequency?

British Guiana

Georgetown — (RE): VP3BG has changed its call to ZFY and is operating on 6130 kcs. This from George E. Perrin of Rochester, N. Y.

Brazil

Recife—(RE): PRA-8 is apparently using a slightly indefinite schedule. They were heard by Norman Kane until 9:25 p. m. This station, Norm informs, is being heard better now as the result of shifting a few kilocycles in order to overcome interference from CJCX.

Canada

Vercheres—(REW): CBFY is another frequency being used by the Vercheres shortwave station. Afternoons find this call being used on 11705 kcs. CBFY suffers from WLWO interference, but can be heard at 7:45 p. m., when the latter leaves the air. Official schedule: 7 a. m.-11 p. m.

Winnipeg—(RE): CJRX comes on the air around 6 a. m. and announces that they are the pioneer shortwave station of Canada. Sure, we remember VE9CL and VE9JR, don't you?

CBFY has completely replaced CBFW, which is no longer used. Other frequencies available for use are: CBFX on 9630 kcs., and CBFZ on 15190 kcs.

Vancouver — (RE): To serve the populated areas of British Columbia, at present without satisfactory radio coverage, a shortwave station will be installed in Vancouver. It will use the call CBRX on 6160 kcs. Maximum signal will be toward the Kimberley area. Broadcast band relay transmitters will be installed at North Bend, Quesnel, Williams Lake, Wells and Prince George (similar to that at Revelstoke). Credit L. A. Mayo with the above.

Sydney — (RW): CJCX, 6010 k/c, Sydney, N. S., is heard now and then around 8 p. m.

Chile

CB1170 on 11740 kcs. is being well received as are many other stations in this country. Very much sought after by several RADEXERS are the street addresses of these stations (REW).

China

Szechwan—(REW): NGOY is still being heard on Sunday morning at 3:00 a. m. Signal is very weak, though. This is strictly according to Stracener . . . NGOY on 9500 kcs. QRM's KZTB at 7 a. m.

Shanghai — (RW): Address of NGRS (12040 k/c) is "The Far Eastern Broadcasting Station, 3 Great Western Road, Apt. 5, Shanghai." They broadcast until 10 a. m.

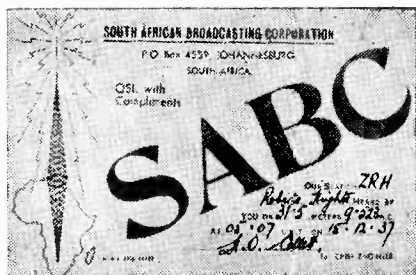
Colombia

Manizales — (REW): HJFB heard on 6105 kcs., carrying the same pro-kes., HJDX on 4795 kcs., HJDU on 4805 kcs., and HJBB on 4815 kcs., are additions to our shortwave list furnished by Roger Legge.

HJCD, 6160 k/c, HJFA, 6054 k/c, and HJCT, 9630 k/c, are usually heard with good signals in the evenings.

HJFB, Manizales, was logged R7 at 10 p. m. on 6105 k/c.

HJAG, 9810 k/c, has a strong signal signing on at 8 a. m. After 9 they gradually weaken until sign-off at 10 a. m.



This green on yellow QSL sent by al. South African stations! Call is inserted in ink!

Cuba

Havana — (REW): COK has perhaps caused more excitement than any one station this month. More readers reported it than any other station. A few notes on the station: Reporters who write COK receive a two-toned souvenir license plate . . . COK is now sponsoring some sort of contest the prizes for which are trips to Cuba . . . COK is now using 11616 kcs., though their card still shows 11570 kcs. . . . Verification shows a picture of the "Sports Palace" in colors.

Havana — (REW): COCQ is being heard on 6400 kcs. as well as 8830 kcs. . . . COGF is being heard on 11800 kcs. . . . COCW is reported heard in early evening. . . . COCY on 11460 kcs. continues to be one of the strongest Cubans.

Matanzas — (RE): COGF is now broadcasting evenings on a frequency of 11803 kcs., according to Norman Kane. This is the station which is responsible for the QRM on 12RO-4.

Cameroons

Yaounde—(RE): FIB (tha's' right) on 11290 kcs. and 6285 kcs. broad casts daily beginning at 3:10 a. m. and Steve Mann is the authority for all of the foregoing.

Curacao

Willemstad — (RE): PJC-1 on 5936 kcs. can be heard with news in the Dutch language at 8 p. m.

Denmark

"Radio Denmark", Freedom station on 9710 k/c, opens at 12:30 a. m. with a march, presents the news, and closes at 12:45. (Reported by Cushen of New Zealand).

Ecuador

HC2AK on 9435 kcs., as reported by listeners—just below COCH, in fact so close that the stations sometimes hetrodyne each other. HC2AK's official frequency is supposed to be 9380 kcs.

HCQRX on 5970 kcs., is a new station reported by Roger Legge. "Radio Quito" is the slogan used.

HC2AK, 9380 k/c, identifies on the hour with five gong signal, and occasionally on the quarter hour with 3 gongs. They were heard 7:35-8 p. m. (RW).

HCJB now has programs in English at 8 a. m., 6 p. m., and 9 p. m. (IDA) Benedict also heard them testing at 11:10 a. m. and 4:10 p. m.

Estonia

Reval — (RE): "Radio Reval" on 13066 kcs. by Lee D. Johnson as being heard testing in the afternoons at 3 p. m. English announcement was heard at 3:10.

Eire

Athlone — (RE): "Radio Eirean" is heard in the afternoon from 2:45 until 4:00 p. m. with a program in English. Signal from this station is very unreliable. Reports are desired from North American listeners . . . Listeners are requested to send their reports to Chrysler Bldg., New York City. Canadian listeners to 140 Wellington St., Ottawa. Address them to station EIRE!

Fiji Islands

VPD2, 9535 k/c, puts in a remarkable signal 12-12:35 a. m., with a lady announcing. Strangely enough, they signed with the National Emblem March. (RFW).

Finland

Helsinki—(RE): OFD on 9500 kcs. and OIE on 15190 kcs. have been heard with news in English at 1:15 p. m., and in French at 1:45 p. m. OFD is the stronger of the two.

French Equatorial Africa

Brazzaville—(RE): A NEW station announcing as "Radio Club" on 8500 kcs. and 12000 kcs. is being heard daily at 5:30 a. m. and 1 p. m. Reports should be addressed to Service d'Information, Brazzaville.

"Radio Brazzaville" on 11970 kcs. remains on the same schedule as listed in last RADEN. Verifications are beginning to arrive in this country for those who have reported this station. (REW).

French Indo China

Saigon—(RE) "Radio Saigon's" of ficial schedule is forwarded to us by George W. Weaver. The station uses 6116 kcs., and 11780 kcs. from 12-12:35 a. m., 5:30-6:15 a. m., 7:30-9:30 a. m., and 10:30-11 a. m. News in English is heard at 5:45 a. m.

"Radio Saigon" on 9675 kcs., is heard from 3:30 a. m. on . . .

"Radio Saigon" continues to come in month after month on their 10:30-11 a. m. English broadcast, and are also heard weakly 12-12:30 a. m. (RW).

"Saigon" heard R9 at 7 a. m. on 6188 k/c. (RW).

France

Paris — (RE): Why is "Y" called "Y" and what does "Y" mean? This would be an interesting topic for discussion, but on with the news. First "Y" is heard on 9520 kcs. evenings around 5 p. m. and again at 9 p. m. in parallel with German stations . . . Now take "Y" on 11845 kcs! They've been using French for some time on their broadcasts usually at 3:00 p. m.

and 11:15 p. m., and have been heard well on their Canadian beamed broadcasts, but they began using English and guess who started jamming their signals so they can hardly be heard during an English transmission? . . . Lastly, there's the case of "Y" on 15240 kcs. This station is heard every morning around noonday until its sign off in French at 12:45 p. m.

Because of changing band conditions "Y" (former TPB8) on 11845 kcs. has replaced "Y" (former TPC13) on 9520 kcs. with evening Berlin transmission to North America.

French West Africa

Dakar—(RE): Here's NEWS: Two new frequencies have been put into use by "Radio Dakar". The station now uses 13355 kcs., and 6435 kcs. at 8:15 a. m., and 9410 kcs. and 6435 kcs. at 3:15 p. m. This from Stephen Mann, who also advises that mail can now reach Dakar and that veries are being sent! Address: Gouvernement General de L'Afrique Occidentale Francaise, Dakar, Senegal, Fr. W. Africa.

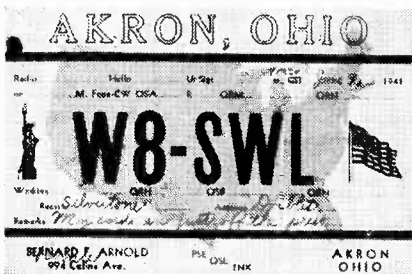
French Morocco

Rabat — (RE): CNR, according to Steve Mann, now uses 8030 kcs. instead of 11940 kcs. and 12830 kcs. Signal on this frequency, though, is weaker.

"Radio Maroc, CNRH" was heard on a new frequency of approximately 11,885 k/c from 12-12:30 a. m., signing off with "God Save The King". The broadcast was directed to the U.S.A., and announcements were in English. (Reported exclusively by Charles Benedict).

Germany

Berlin—(RX): The Government put the padlock on the German Library of Information in New York, so that official schedules of German North American transmissions are no longer available in this country. However, our reader reports cover the field much more thoroughly, anyhow, as the most these schedules contained were but a small fraction of the transmissions that are actually heard here.



Colorful and patriotic This card is Bernard F. Arnold's.

The reports dear readers:

DJA on 9560 ks. heard calling Radio Colombia at 7:40 p. m. in Spanish . . . A weak German station heard by Francis Fellers on 15160 kcs. in parallel with Berlin on 11770 kcs., and 9520 kcs. . . . DJB on 15200 kcs heard in German on at 5:58 p. m. . . . DJB also in Spanish at 4:15 p. m. . . . DJC on 6020 kcs. is heard as early as 5:45 p. m. with music and chimes. (RE)

DJD on 11770 kcs. is heard at 11-11:15 p. m. with excellent signal! . . . DJL on 15110 kcs. operates in parallel with PCJ-2 from 10 a. m. . . . Also heard at 7:30 a. m. . . . DJP on 11850 kcs. is heard along with DZC. DZD, and DZE on the program at 4:50 p. m. daily in Spanish. (RE)

DXS on 15160 kcs heard with chimes at 10:50 a. m. . . . DXP on 6020 kcs., is heard every night at 9 p. m. . . . DZC on 10290 kcs. is heard from 5-5:30 p. m. with Portuguese broadcast and from 7:30-9:15 p. m. in German. (RE)

DZD on 10549 kcs heard at 3:30 p. m. with English news. Calls So. America at 4:50 p. m. and at 5:30 and 6 p. m. Also heard from 10:50-11 p. m. with news in English . . . DZE on 12130 kcs heard at 12:45 p. m. . . . Conclusion of Portuguese program to Azores and Brazil at 9 p. m. (RE)

DZG on 15360 k/c was heard with a good signal at midnight. DZH on 14,460 k/c and DJP on 11,855 k/c were fair at 10:30 p. m. in Spanish. (RW)

DXT on 15230 k/c is heard along with DJB from 5-5:45 p. m. (RW)

Guatemala

Guatemala City — (RE): Official schedule of the Guatemala station TGW (1520 kcs) TGWB on 6480 kcs., and TGWC on 2320 kcs.: From 8-9 a. m., 12:45 to 3:45 p. m., and 5:30 p. m. to 12:15 a. m. daily and on Sunday from 10:30 a. m. to 12.45 p. m., from 1:30 p. m. to 5:15 p. m., and from 7 p. m. to midnight.

TGWA on 15170 kcs. broadcasts daily from 12:45 p. m. to 3:45 p. m.

TGWA on 9685 kcs. broadcasts daily from 10-11:45 p. m.

Greece

Athens—(RE): SVM, supposed to have been silenced by the Germans, is again active on occasions, but transmissions are mostly for commercial and point to point work, very little program material being offered. SVM is still 9935 kcs.

Galapagos Islands

Here's one for the records. HCGI is the call of a station operating evenings in the forty meter ham band. This station is believed to be an expedition, owners and sponsors of which are unknown, but it is definitely in the Galapagos. Where'ja ge. this one, Steve? Says Senor Mann—"I just dug it!"

Great Britain

We're going to pass by a lot of reports on BBC stations to give you the results of a lot of work by Norman Kane, who compiled all of the following data on BBC transmissions.

GSP from 10:15-10:55 a.m.
 GSI from 10:30-10:45 a.m. (Sun.)
 GSO from 7:15-8:15 a.m.
 GRV from 7:15-8:15 a.m.
 4-4:15 p.m.
 4:30-5 p.m.
 GSE from 5:40 a.m. to 10:30 a.m.
 10:55 a.m.-1 p.m.
 GSN from 6-10:30 a.m.
 12:15 p.m.-1:15 p.m.
 GRX from 2-5 a.m.
 10:55 a.m. 1:45 p.m.
 2:00-5:45 p.m.
 GSC from 12:55 a.m.-1 a.m.
 1:25 p.m.-2:15 p.m.
 3-3:45 p.m.
 4:15-5 p.m.
 GRU from 12:15-1:15 p.m.

GSW from 12:45-1:15 a.m.
 3-5 a.m.
 6:10-30 a.m.
 10:55 a.m.-5:45 p.m.
 GRT from 12:45 a.m.-1 a.m.
 1:15-3 a.m.
 GSA from 10:55 p.m.-5 a.m.
 5:40 a.m.-10:30 a.m.
 10:55 a.m.-5:45 p.m.
 6:19 p.m.-7:15 p.m.
 GRR from 11:45 p.m.-mid.
 12:30-12:45 p.m.

NEW! The African transmission is broadcast to U.S. and Canada from 11:55 a. m.-2:30 p. m. on GSV and from 2:30-5 p. m. on GSP!

NEW! The Eastern transmission is broadcast to North America from 5:55 a. m.-7 a. m. on GSD and from: 7:15-11:30 a. m. over GSF!

The United States and Canada evening transmission now starts at 5:10 p. m. instead of 5:20 p. m .

GRY is not received as well as GSC or GSD because it broadcasts to Central America.

GRY, however, carries the same programs from 5:10-11:35 p. m.

News periods in English

Pacific—1:15 a.m. on GSB, GSD GSF
 GSI and GRY
 Pacific—3:00 a.m. on GSB GSD GSF
 GSI GRY and GSP
 Europe—3:00 a.m. on GSA GSD and
 GRX
 East—6:00 a.m. on GSF GSV GSD
 GSH GST
 East—8:00 a.m. on GSF GSV GSD
 GSH GST GSJ
 Europe—8:30 a.m. on GSA GSW GSN
 GSE
 East—11:00 a.m. on GSF GSV GSD
 GRU GST GSJ
 Africa—1:00 p.m. on GSD GSI GSF
 GSV GRV GRY
 Africa—3:45 p.m. on GSD GSI GSF
 GSV GRV GRY
 Europe—5:00 p.m. on GSA GSW GRX
 North America—GSC GRY GSD
 Europe—6:30 p.m. on GSA
 North America—7:00 p.m. on GSC
 GRY GSD
 North America—11:30 p.m. GSC GRY
 and GSD

Haiti

Port-au-Prince—(REW): Just as an example of the many headaches of editing readers reports here's a sample of what sometimes happens: HH3W is officially listed on 9890 kcs., but three different reports place them on 10000, 10100, 10180 kcs. 19130 kcs respectively. The station is evidently drifting badly and readers are hearing it all over the band. However until someone down there drops anchor

on some definite frequency we'll withhold any change in our indices.

HHCJ is a NEW station! Bert Podall reports this one on 10070 kcs. as affiliated with CBS and announcing in French and English at 10:15 p. m.

Hawaii

Honolulu—(R5) KKH on 7520 kcs. carries the "Hawaii Calls" program on Saturdays from 8:30-9:00 p. m. . . . KKQ on 9500 kcs. tests with CBS programs almost weekly . . . KHE on 17830 kcs. is heard carrying the "Hawaii Calls" program on Saturdays from 8:30-9 p. m.

KEI, 9490 k/c, carries most of the special program relays to the U.S.A at present. KIO, 11680 k/c, and KKQ, approximately 11920 k/, are also heard occasionally. Consult your local newspapers, and tune for these stations when the U.S.A. networks are carrying programs from Hawaii. (RF)

Hong Kong

ZBW uses 2500 watts power on the following frequencies: 6090 k/c, 9525 k/c, 15190 k/c, and 17775 k/c. Frequency used depends upon weather conditions in the Far East. Schedule is 11:15 p. m.-1 a. m., and 5-10 a. m. (Sundays 9 p. m.-1:30 a. m. and 6-9:35 a. m. (Their address is P.O. Box 200. (Our thanks go to Fred Anderson of the Philippines for the above information.)

Hungary

HAT4 on 9125 k/c announces as "Budapest, Hungary, calling." News in English is read by a woman at 7:45 p. m. (RW)

Iraq

Bagdad—(RE): HNF on 9780 kcs. and YI5KG, on 7080 kcs. the two dissimilar calls in a similar location have blended and are now operating simultaneously from 9 a. m., to 2 p. m., according to reliable information from ole reliable Steve Mann.

Italy

Rome—(RE): Summing up the reports from readers we find the following Rome stations heard at various times during the day:

IRF on 9810 kcs. is sometimes heard

during the American Hour and at 4:15 p. m.

12RO-3 on 9630 kcs. is very seldom heard, but sometimes they carry the American Hour in the evening. (RE)

12RO-4 on 11610 kcs. can be heard on the American Hour (8-10 p. m.) and sometimes at 4:15 p. m.) (RE.W)

12O-4 on 11810 kcs. can be heard regularly with Italian War Communiques at Noon and with English again at 2 p. m. This station is also occasionally used on the American Hour. (RE)

12RO-14 on 15230 kcs. can be logged with program in Italian shortly after noon daily. The familiar Italian bird songs interval signal and the lady announcer identify this station. (RE)

12RO-15 on 11760 kcs. is being reported in the middle part of the afternoon, around 4 p. m. (REW)

12RO-18 on 9760 kcs. can be heard regularly on the American Hour and sometimes as early as 5:50 p. m. (RE)

NEW—12O-17 on 19590 kcs. is a new station in the Rome chain being heard at 7:45 a. m. with a program in Spanish. Again it's Norman Kane on this scoop! . . . 12RO-8 on 17820 kcs. is also being heard on the North American broadcast from noon to 1:15 p. m.

Japan

Tokyo—(RE): It is apparent that the Japanese have revised their call letter and frequency assignments since the last RADEN as this new listing forwarded by Norman Kane, shows a few changes over the last listing:

17845	JLS-2	11705	JLG-3
17785	JZL	9645	ILT-2
15325	JL P-2	9605	JLP
15225	JLT-3	9535	JZT
15160	JZK	9505	JLG-2
15105	JLG-4	7285	JLG
11815	JVZ	7257.5	JVW
11800	JZI	6190	JLT
11725	JVW-3	6015	JLR

Thirteen transmissions daily are conducted by the Japanese stations and the stations used on these transmissions are shifted around at will.

Trans. #1 to Asia: 10-11:55 a.m.
Trans. #2 to the near East: 12-1:30 p.m.
Trans. #3 to Europe: 2-5:30 p.m.

Trans. #4 to South America: 6-7:30 p. m.
Trans. #5 to Eastern North America: 8-10 p.m.
Trans. #6 to Western North America: 10:30 p.m. to 1 a.m.
Trans. #7 to Hawaii: 1:30-3:30 a.m.
Trans. #8 to South America: 4-5 a.m.
Trans. #9 to soldiers at the front: 4-6 a.m.
Trans. #10 to Australia and New Zealand: 5:30-6:25 a.m.
Trans. #11 to China and South Seas: 6-9:30 a.m.
Trans. #12 to South Seas: 6:30-9:30 a.m.
Trans. #13 to China: 8:24-9:00 a.m.

JLG-4 on 15105 kcs. is being heard from the North American transmission from 8-10 p. m. (RE)

JLT on 6190 kcs. was heard by L. N. Stracener on a Sunday morning at 5:30, broadcasting in Japanese.

JLG4, 15105 k/c, has been heard daily on a new transmission from 4-5:10 p. m., with news in English about 4:35 p. m. (Charles Benedict scoops the field on this one.)

Manchukuo

MTCY on 9545 k/c and 11775 k/c operate in parallel 9:30-10:30 a. m., with announcements in English (RW) Complete address of MTCY is Hsingking Central Broadcasting Station, Manchuria Telephone and Telegraph Co., Ltd., Hsinking, Manchukuo. (as taken from a verie received by Charles Benedict)

Mexico

Mexico City — (RE): XBHX on 10055 kcs. is still being heard testing for the Mexican National Bank. This station can usually be heard around 6:10 p. m. Three buzes are sounded for an interval signal.

Vera Cruz—(RE): XEUW is a little 250 watter using the slogan "El Eco del Sotavento". Station can be addressed: Av. Independencia 230, Vera Cruz.

Hermosillo—(RE): XEBR on 11820 kcs. verifies with a book printed in Spanish. The cover bears a map of Mexico, showing Hermosillo with a microphone.

—Hermosillo—(RE): XBHU on 10110 kcs. can be heard until 6:40 p. m. with good signal. Station is identified at sign off. Power is 200 watts. Other

stations are XBHX on 10050 kcs., XBHV on 10080 kcs., XBHW on 10100 kcs., and XBHZ on 10160 kcs. This station, located in Hermosillo, in Northwest Mexico is one which Norman Kane, who supplied the above, would like to verify. Can anyone supply the address for verifications?

XEKW is heard with weak signals on 6030 k/c, with QRM from CFV1 in Calgary. (RW)

XEAE has been heard testing on 10,250 k/c. (RW)

XEBR on 11820 k/c is heard from as early as 9:30 a. m. until midnight (RW)

Newfoundland

St. Johns—(RE): VONH on 5975 kcs was heard signing off on a Sunday evening at 9 p. m. just after a B.B.C. rebroadcast. VONH usually signs off with a prayer for victory and "Pomp and Circumstance" march. . . . The prayer is one written by Lord Nelson at the battle of Trafalger called "Hail to the Chief"!

Netherlands East Indies

Stations in this Dutch colony may at the very time you read this be playing a very important part in the conflict that is at present enveloping more and more of this universe of ours. Hats off to Norman Kane for complete data (official) on the NIROM stations:

YDA (3040 and 7250 kcs.) with 10 kw. is in Batavia, Java.

YDB (9550 kcs. and 15310 kcs.) with 1 kw. is in Soerabaja, Java.

YDC (15150 kcs.) with 1500 watts in Bandoeng, Java.

PLP (11000 kcs.) with 1500 wats is in Dandoeng, Java.

PMN (10260 kcs.) with 1500 watts in Bandoeng, Java.

PMH (6720 kcs.) with 1500 watts is in Bandoeng, Java.

YDX (7220 kcs. and 4945 kcs.) with 500 watts is in Medan, Sumatra.

YDF (4960 kcs.) with 150 watts is in Soerabaja, Java.

YDA, YDB, YDC, PLP, and PMN operate weekdays 10:30 p. m.-2 a. m., 4:30-10:30 a. m., (Saturday 4:30-11:30

a. m.), 6 p. m. to 7:30 p. m. Sundays from 7 p. m.-2 a. m., 4:30-10:30 a. m.

PMH broadcasts only oriental programs weekdays from 4:30-11 a. m. or 11:30 a. m. Sundays from 8:30 p. m.-1:30 a. m., and 4:30 a. m. to 11 or 11:30 a. m.

PMN broadcasts oriental music daily except Saturday from 10:30-11:30 a. m.

PMN and YDC are beamed to Sumatra and Borneo, PLP and YDB to Borneo and Celebes. YDA and PMH are non-directional.

PMN is being heard better than PLP lately. Frequency is 10260 k/c, and eight chimes are heard for identification at 9:30 a. m. (RW)

PMH was heard 11:45 p. m.-12:10 a. m. on 6720 k/c with announcements in English. (RW)

YDC, 15150 k/c, came in with remarkably good signals 9:15-9:35 a. m. The program consisted of native music. They signed off with the National Anthem, followed by a series of eight gongs. (RW)

Nicaragua

Managua — (RE): New station! YNCH on 8650 kcs. is reported by Weston Richards as signing off at 10:40 p. m. . . . (RW): YNRS signs off around 10:40 p. m. on 8585 k/c. (RW)

Peru

OAXIA, Chiclayo, has changed frequency to 6290 k/c. (IDA)

Philippine Islands

Manila—(RE): Official information and schedules of the Philippine short-wave stations comes from Oliverio J. Laperal of Manila.

KZRM on 9570 kcs., "Radio Manila" is on the air from 4:30-7 p. m., 11 p. m. to 1 a. m., and 4 a. m. 10:15 a. m.

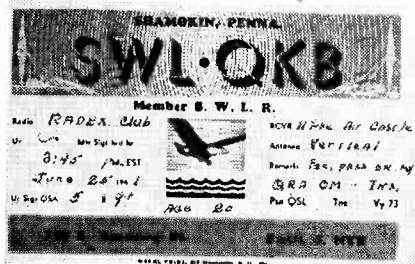
KZRH on 9635 kcs. "Voice of the Philippines" is on the air from 5:00 p. m. until 11:00 a. m.

KZRF on 6140 kcs. "Radio Filipinas" operates from 5:00 p. m. until 10:30 a. m.

KZRC on 6160 kcs. "Voice of Cebu", the only station not in Manila (located in Cebu City) operates from

5:00 p. m. to 7:00 p. m., and from 11 p. m. to 12:30 a.m., and 4 a. m. to 10:00 a. m.

New Station! KZNB on 17650 kcs. is the newest broadcasting station in the islands on the air from 6:30-7:30 a. m. . . . KZNB is a governmental controlled station of the Dept. of National Defense. Oliverio J. Laperal rates a "hats off" for this news item.



This striking SWL card from Paul J. Nye.

Portugal

Lisbon—(RE): CSW-7 on 1740 kcs. is supposed to have an English program on Tuesdays, Thursdays, and Saturdays from 3:50-4:10 p. m., but actually they are being reported better in the early evening until sign off at 8 p. m.

CSW-6 on 11040 kcs., reports Arnold Werme, was heard to sign off at 4:50 p. m. This station came on at 2:38 p. m. and signal was strong and clear.

CSW5 on 11040 k/c was heard with vocal arrangements at 2:30 p. m. (RW)

Rumania

Station on 7250 kcs. reported by Edwin S. Haysradt, giving no call, but announcing as "Rumania . . . Rumania." Station was heard from 9:30-10:15 p. m. with classical music predominating.

"Radio Stanislaus, Bucharest", was heard at midnight on 15160 k/c with announcements by both a man and woman. (Hats off to Charles Benedict on this one.)

Salvador

YSD, 7894 k/c, was heard with dance recordings at 10:15 p. m., and occasionally announced in English. (RW)

YSPA, 10400 k/c, was heard 11:30 p. m. until midnight with good signals. Announcements were preceded by a series of gongs. They also broadcast 8:10-9 a. m. (RWF)

Slovakia

Bratislava — (RE): "Radio Bratislava" is a new station being heard on transmissions to America on Monday and Friday from 6-7 p. m. in English and Slovakian.

Southern Rhodesia

The Post Office station at Salisbury, 7310 k/c, relays the BBC news at 1 p. m., and closes at 3 p. m. with "God Save The King." (RW)

Suriname

Paramaribo—(RE): Norman Kane reports a station in this city on 11515 kcs. being received with excellent signals. Program in Dutch language lasts until 7:36 p. m. At sign off, Dutch National Anthem is heard and reports are requested from listeners in North and South America and at sea. . . . PZH is the call sign used by this station.

Sweden

Stockholm—(RE): Complete schedule of broadcasts to America seem to have SBT (15155 kcs.) and SBP (11705 kcs.) on from 1-3 p. m., and on SBU (9535 kcs.) and on SBO (6065 kcs.) from 3-5 p. m. The evening transmission from 8-9 p. m. is heard over SBP and SBT, although the latter station is seldom heard here at this time.

Switzerland

Bern—HER-4 on 9535 kcs. is the latest of the new Swiss stations to be heard in this country. Broadcasts daily from 7:45-9:15 p. m. nightly in English except on Monday when German, French, and Italian are used. A lady announces all English transmissions and the usual stock announcement is "This is Switzerland calling". HER4's English address is

"The Swiss Broadcasting Corp.," Bern, Switzerland.

Geneva—(RE): HBL on 9345 kcs. (correct frequency by Norman Kane and Arnold Werme) carries the same North American program on Monday and Wednesday. HBL advises that they have no veri cards, but answer by letter.

HBO on 11540 kcs. also carries the 7:45-9:15 p. m. North American program, but signal strength of this station is at present very weak.

HBJ on 14535 kcs. is sometimes used to relay to NBC and CBS programs from neutral countries in Europe.

HER3 on 6165 kcs. has been heard again by Norm Kane, broadcasting from 11:45 p. m. This seems to be a program directed to Africa. QRM from WCBX ends at midnight. Official news via Arnold Werme states that this station operates throughout the afternoon using 25kw. and a circular antenna!

Thailand

HSP4 on 11720 k/c is heard weakly 9:30-10 a. m. (RW)

Turkey

TAP, 9465 k/c, Ankara, was heard with a special program for the New York Times at 5 p. m. (RW)

U. S. S. R.

Moscow—(REW): RV-96 on 15180 kcs is still the best heard Russian station in this country with transmissions from 10-10:50 a. m., 7:30-7:58 p. m., 9:30-9:58 p. m., and also at 7:05 a. m. Although a lot of other frequencies are mentioned in this official schedule, RV-96 on 15180 kcs. is the only one heard. The 10 a. m. program is the easiest to log.

RNE on 12000 kcs is being heard occasionally on the 6-8 p. m. program to North America. (REW)

RV-96 on a new frequency of 15210 kcs. (as reported by Norman Kane) is also being heard on this same program from 6-8 p. m., as well as from 9 p. m. on with a program directed to South America. (RE)

An unidentified Moscow station on 16200 kcs. was heard just once by Ar-

nold Werme on the day of the German declaration of war on Russia.

RV-96 on 15210 kcs. starts its transmission for Europe at 1:30 p. m. (RE)

Radio Moscow on 11740 k/c was logged R8 at 10 p. m. (RW)

Siberia—?? RV—on 9565 k/c completely overshadows VLW2 at 7 a. m. (RW)

Uruguay

Montevideo—(RE): CXA6 in Montevideo owned by "El Sodre" lists the following shortwave stations as owned by the same company, says Arnold Werme:

CXA4 on 6125 kcs.

CXA6 on 9620 kcs.

CXA10 on 11895 kcs.

CXA18 on 15300 kcs.

Venezuela

YVOR, 11725 k/c, Caracas, announces slowly in Spanish—they will verify, says Corporal Lannon.

United States

New York—(RE): Lee D. Johnson forwards the official schedule of the N.B.C. shortwave stations.

WNBI on 11890 kcs. is heard from 8:15 p. m. to 1 a. m. to South America.

WNBI on 17780 kcs. is on from 9 a. m. to 4 p. m. to Europe and from 4-8 p. m. to South America.

WRCA on 9670 kcs. is heard from 4 p. m. to 1 a. m. to South America.

WBOS has only one active frequency, i. e., 11870 kcs. They operate daily from 4-11 p. m. with Portuguese from 4-5 and 7-8, Spanish from 5-6, 8-10 p. m., and English from 6-7, 10-11 p. m. Address is 275 Tremont St., Boston. Assigned frequencies are 6140 kcs., 9570 kcs., 11870 kcs., 15210 kcs., 17780 kcs., and 21540 kcs. (RE)

WNBI on 11890 kcs. is the best heard station in Ecuador, according to word from Mr. Moore of HCJB, received via Norman Kane. (RE)

KGEL on 9700 kcs. has been heard regularly during the early morning hours—until 3 or 3:45 a. m. . . . "Good Neighbors program" in Chinese language is heard daily from 3-4 a. m. (RE)

(Please turn to page 36)

Questions and Answers

Of, by, and for RADEX Readers

Questions

Oliverio J. Laperal, 853 Rizal Ave., Manila, Philippine Island: "Last night I was tuned to KGEI (9760 kcs.) and fell asleep. When I awoke at 2:40 a.m. (1:40 p.m. (EST) the radio was still going strong with Spanish speaking station being heard. The station might have been in Spain or Germany as the talks were pro-Nazi."

A. M. Hankins, 1006 Ligonier St., Latrobe, Penn.: "Spanish speaking station just below HP5J after the latter had signed at midnight. Signed at 12:30 in Spanish after three deep toned gongs. American dance tunes were heard." . . . "Station on 11755 kcs. Broadcasting organ music of classical and semi-classical nature from 12:45-12:58 a. m. with no announcements. Noise obliterated the announcement at 1:00 a. m."

Arthur Grant, 405 Hilton, Monroe, La.: "Japanese station between 14 and 14.5 megacycles, heard from 8:50-9:50 p. m., announcing 'This is the Japanese Broadcasting Corporation.'"

George Wells, R2309, Warwick Neck P. O., R. I.: "Will NY4AC verify?"

Arnold F. Worme, 774 E. 8th St., Brooklyn, N. Y.: "Does Tokyo send a verification card? Three program booklets were received but no card. Booklets say nothing about verifying. . . . Station on 9510 kcs. using a tune played on a reed instrument from 4:07-4:15 p. m. No announcements were heard."

William R. Knotts, 88 Railroad Ave., Pennsgrove, N. J.: "A two way conversation heard June 19 at 9:50 a. m. from stations which gave their call as 2MA and 7YU. What sort of stations are these, and where are they located?"

L. A. Mayo, 16 Prefontaine Ave., Montreal, P. Q., Canada: "Has any-

one any information on the Foothills Network of which CJCA is a member, and the Champlain Network of which WMFF is a member?"

Norman H. Kane, 22 Fordham Drive, Buffalo, N. Y.: "A cw station heard with the call ODE. What country has this prefix?"

Arthur Grant, Monroe, La.: We would suggest that you take up the matter of your receiver with the manufacturers.

Eugene Gross, 676 W. Lockwood Ave., Webster Groves, Mo.: "A musical tune, played over and over again on a horn for a half an hour on 9185 kcs. At 5 p. m. a man was heard calling in a foreign language. Later the horn was heard again. Could this have been ZSR on 9180 kcs. in Capetown?"

. . . "Station just below XBHX operating phone circuit from 4-6 or 3:45-5 p. m.. Language is not a familiar one as is German, French, Italian or Spanish. Can anyone identify?"

George E. Perrin, 76 Berry St., Rochester, N. Y.: "Can anyone give me more information on "Radio Martinique on 9705 kcs., in Fort de France?"

Art Brashear, 1403 Baker St., San Francisco, Calif., wants to know the proper antenna to use on his Howard 435 in order to get Africa."

Ed Laudansky, 9th Signal Service Co., Fort Shafter, Hawaii: "What Guatemala station contacts Mexico on 11425 kcs. around 7 p. m.? . . . Spanish speaking station on 6905 kcs. at 7:45 p. m. covered with cw QRM from GDS. . . . B.B.C. station on 4550 kcs., and Rome on 4640 kcs?"

Art Hankins, 1006 Ligonier, Latrobe, Penn.: "QRA's of HJCT, CB1174, and HI-IN are wanted here."

Robert G. Earle, R2299, 1416 University Ave., Des Moines, Iowa: "Would like very much to find the

address of the owners of W9XTD and W9NCW."

Arnold F. Worme, 774 8th Street, Brooklyn, N. Y.: "Call letters of the Cuban on 9850 kcs., identifying itself as "Radio Suaritos".

Charles Benedict heard a German station on about 11,965 k/c signing off at 11 p.m., with the announcement "Heil Hitler".

Alvah Cole, 3005 Buckingham St., Norfolk, Va., wants to know what c.w. station is on 17720 kcs. sending news, presumably in French, signing "sss Vichy 488-42 1010170 etat gouverneur caye meme". The numerals are apparently article numbers.

Answers

For Bill Gabriel: "In a 1936 log book I have found CBW listed at 600 kcs. with 1000 watts, operated by the Canadian Broadcasting Co. This station is no longer in operation."—Jim Davis.

For Jack Stephenson: "HH2S does verify with cards."—Lee D. Johnson, 89 William St., Portland, Me.

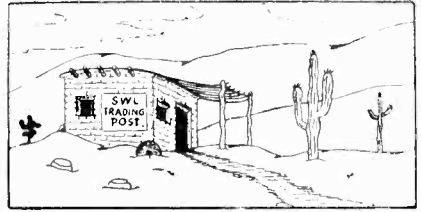
For Gordon E. Walberg: "CBFW does not announce in English at present. However, CBC plans to ask for audience reports and English announcements can be expected."

For Vernon Gibbs: "The Spanish speaking station on 12130 kcs. is DZE, Berlin's outlet for South America."—Arnold F. Worme, 747 E. 8th St., Brooklyn, N. Y.

Radio Saigon on 11780 k/c is one of the stations puzzling Francis Fellers. They use French and their native language until 10 a.m., and then from 19:30-11 a.m. they have their regular broadcast in English.

Eugene Gross' station on 7140 k/c giving British news bulletins is none other than what it seems—GRT, London, 7150 k/c!

Ralph Kastner's station is undoubtedly CXA-8 in Colonia, Uruguay. This station, says Norman Kane, can easily be mistaken for an Argentine as it carries the programs of an Argentine long wave station and is owned by an Argentine network.



Requests for exchange of SWL Cards must be accompanied by the sender's own card. No responsibilities are assumed by RADEX.

Glenwood Penslien, P. O. Box 23, Delevan, N. Y. (SWL Cards)

L. A. Mayo, R1541, 16 Prefontaine Ave., Montreal South, P. Q., Canada. (Correspondence)

Edward Shirley, R615, 71 Taylor St., Jamestown, N. Y. (Will send two picture postals and return postage in exchange for SWL cards)

Floyd C. Flater, 316 Campbell Ave., White Bear Lake, Minn. (SWL cards and schack photos)

E. B. Charlton, 2206 Concrete Drive, Baton Rouge, La. (SWL Cards)

Gale W. Leak, 1530 8th Street, Des Moines, Iowa. (SWL Cards)

Bill King, Box 280, Sewell, N. J. (Correspondence and SWL cards)

George J. Grunert, R470, 1523 24th St., Detroit, Mich. (Correspondence and SWL cards)

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

J. I. Vaught, R852, P. O. Box 1424, New Orleans, La. (SWL cards)

Bruce M. Karr, 124 N. 7th Street, Coshocton, Ohio. (SWL cards)

Bill Waring, P. O. Box 231, Delevan, N. Y. (SWL cards)

Dan Hemming, 416 E. Iroquois St., Freeport, Ill. (SWL cards)

Joe and Al Kaiser, R2221-R2234, 418 West Market St., Mahanoy City, Penn. (SWL cards)

C. R. Bender, 239 Cairo St., Pittsburgh, Penn. (SWL cards)

Bill Harris, 110-13th Street, N. W., Charlottesville, Va. (SWL cards)

Glenn J. Thormann, R1643, 271 Park Ave., Westbury, N. Y. (SWL cards)

Ham Hounding

Reports and comments on "Ham" radio and reception may be sent direct to:

Owen P. Callin
121 East Weber Road.
Columbus, Ohio

Our contest to find the Radex Club's most ardent and experienced DXer is over—with none other than Mert Meade, the Kansas City Demon of the Air Waves, out in front.

Mert, who combines his work—printing—with his hobby of radio, rolled up the astonishing total of 31,824 points to far out-distance the field. How long he has been DXing and how he managed to acquire these points will be told in the next issue of Radex, when at the same time we'll print his picture.

By coming in first, Mert not only receives a write-up in these columns but also wins \$1.00 credit against the purchase of foreign stamps from the Return Postage Bureau, 85 Francisco Ave., Rutherford, New Jersey. This prize was donated by Walter H. Koester, manager of the bureau.

It is with greatest feeling of sorrow that we report the DXer winning second place is no longer here to see his name in print and his picture in a place of honor in Ham Hounding.

Cliff Tavener is dead. And with his death there comes to every DXer a sense of loss. Cliff was one of the foremost DXers in the nation and his QSL collection one of the best. His name was known in every household where the radio hobby holds sway.

The Rosenberg, Texas, lad died May 2 after a lingering illness. He was 25 years old—born Oct. 24, 1915.

Cliff was a member of the Radex Club and until recently his reports—as regular as the clock—proved to be standbys during the summer months

when DX was dull and the reports few.

Cliff was co-editor of the amateur bands column for the IRM until an eye infection made writing impossible.

We bow our heads to the passing of a great DXer.

Cliff had 23, 184 points in the contest but his death moves George Eder of Philadelphia into the second-place spot with 18,476 points.

So a picture of George and his the story of his accomplishments will appear here next issue.

We are gratified with the number of contestants who vied during the year for front places. Many of them made surprising gains during the past 12 months.

Here's how they finished:

Jack Wells	17,544
Al Pickering	9,744
Bill Scott	3,396
Eugene Allen	3,200
V. C. Stasen	2,288
Weston Richards	2,100
Mike Unger	2,054
Ralph Kastner	1,422
Alton Caldwell, Jr.	1,215
Roger Crabill	726

Our advocacy of the American Radio Relay League's Class D license proposal has aroused the ire of Hank Bennett of Collingswood, N. J., who rates the idea as "another one of the AREL's brainstorms."

"Will someone kindly tell me what this would accomplish?" he asks in an open letter to Radex and Ham Hounding.

"I know a few things it would accomplish. One thing being—another few thousand SWL's would get licenses that otherwise would never get due to lack of speed. The ham bands are already crowded enough and with all these new hams that couldn't copy faster than 7 wpm it would be even worse. It would be extremely bad for the ham who likes to sit down at his bug and have a QSO with some one that can copy.

"I wonder if you know the truth

about this new license, which is to be called "CLASS D" if it materializes? It is good for only one year and cannot be renewed. It can be used only on code, and not phone. The FCC assigns the band for you to operate. How many of you know that? These are just a few things about this so-called Class D. Sure, the SWL's would like a Class D ticket so they can get on the air. I ask you—wouldn't you SWL's rather have a Class B ticket that is good for three years, renewable, and good for all bands, fone or cw except 20 and 75 fone, than one of these Class D tickets?

"I'm sure you would and 99% of the hams in the United States would agree with me. I realize some of you might not have time or money to get your speed to 13-per. Any ham would give you code practice so that takes care of the money part. As for time, 15 or 30 minutes per day is all that is necessary.

"I want to tell you something. I have tried the 13-per exam twice now and failed both times. I have a reasonably good excuse. But I won't bother with excuses. At least I tried it and found out that I was not able to copy fast enough. I go back on the 23rd of August and intend to pass the exam because of the 15-minute per day listening on code that I have been doing. Once you know the code, it isn't hard to get it fast.

"If you want to learn the code yourself, buy a high frequency buzzer or a good receiver or (as I said before) ask a ham to give you practice. I think if you take this letter seriously, a number of you will change your minds about a class D license. However, if there are any of you die-hards that want to fight it out by letter, just write to me and I'll fight with you. And if anybody agrees with my points about a Class D, will you also write me? Thanks and 73,

(Signed) *Hank Bennett*,
644 Atlantic Avenue,
Collingswood, N. J.

There is undoubtedly some good arguments in this letter from Mr. Bennett. But there are good arguments on the opposite side, as well.

First of all, none of us will deny that defense of our country is a major issue at the present time. Isn't it conceivable that the ARRL's prime object is to prepare—and quickly, mind you—a group which could be pressed into the service as military or civilian radio operators?

FORT MILLS, CORREGIDOR
PHILIPPINE ISLANDS

KA1GH

Hank
RADIO *HA1GH* QSL OUR *10.5* MC QSO
RST QRM QRN QSB
RIG HR Rcvr *H.G. 1AR*
REMARKS *CR NAUSA* *C.W.S.M.P. Lohme*
GEORGE G. HATHAWAY,
DET. 10TH SIGNAL SERVICE CO.

Wanted! Correct reports on signal strength and tone. Reward—this card.

Although we took the attitude the Class D license would be beneficial to those who have been striving half-heartedly for licenses, think of the great number of DX fans and radio hobbyists who haven't started to study code as yet, the newcomers in the field, as it were.

Remembering that speed in the building of our defense is vital, wouldn't it be expedient to give these newcomers an incentive of lowered requirements so that they would prepare themselves for services which the country will undeniably need in the near future?

Secondly, wouldn't even the lazy fellow (like me) who can read seven wpm but can't take 13 wpm unconsciously increase his speed with the constant and careful practice that communicating with other amateurs would entail?

Just taking down code haphazardly from any station is different than communicating with someone. When

the other fellow is on the air and you know he's telling you something perhaps important, wouldn't you be apt to strive harder to get the message?

Well, at the end of the year wouldn't the tyro's speed be 13 wpm so that he could obtain his Class B license? And if these newcomers are assigned a special channel, how could they interfere with the other hams who have their Class A or B?

Those are a few arguments I think of off-hand. But I'd like to have further thoughts on this issue. How about it, you hams and SWLs. Tell me what you think of the proposed Class D license, issued for a year to the amateur who can pass 7 words per minute and a technical examination.

Some Radexers probably have entered Uncle Sam's fighting forces and if enough of them retain interest in Radex and DXing wherever they may be, we possibly may be able each issue to devote a portion of the column to news of them.

For example, Ed Laudansky is a member of the Ninth Signal Service Co. and is stationed at Fort Shafter in Honolulu, Hawaii.

He writes that among the fellows in his company are W1KVN, James Houldsworth of Pittsfield, Mass. (wonder if he knows Ed Kirchner, old school pal of mine), W2JEW, Leo Shapiro of Long Branch, N. J., and W2HLO, Joseph Orlan of Long Island, N. Y.

"These fellows prefer to be known as the Radio Intelligence of the Ninth Signal Company," writes Ed. "The shack and transmitter of K6SRZ is only a few feet from our barracks but I haven't visited him yet."

Ed says he is thinking of buying an Echophone since the space is limited there.

Bill Scott re-emphasizes again an ideal which every Radex Club member and DXer should attain. We've stressed it before and here it is again

—the fullness of reports if a verification is sought.

"I saw a card sent to one of the local hams," writes Bill. "Here is what it said:

"I heard you (op's name) on (date). Please QSL."

"How was that for a complete report?" Bill asks.

The Johnson City, Tenn., DXer sends out a card like this, and which is successful in bringing back the veris because it is most complete:

"Dear OM:

I wish to report the reception of your _____ meter phone-cw signals on (date) at _____ EST when you were calling _____ with a QSA _____ R _____ or RST _____ signal, Modulation or fone _____; Speech or keying _____; QRM _____; QRN _____; QSB _____; Weather _____; Conditions _____; Antenna _____; Receiver _____."

That is my idea of a good report to a ham and the one who does not answer undoubtedly must struggle with his conscience.

Bill also asks whether or not a responsible club such as the Radex Club could take over the logs of the KC4's returned from Little America and fill out veris for return postage after the report is checked.

It would be a fine idea, Bill, but I presume the government wouldn't cater to the idea of letting the records go out of its hands.

A new club has sprung up, has been going since August, 1940, in fact. However, all advertising has been held up, says President John Chipps, until the organization has been completed.

The club is the FRA (Future Radio Amateurs) and its purpose is to put out a paper for the SWL's. Included is a "YL Column" in which girls present their ideas of radio, Questions and Answers, DX reports, illustrations drawn by the club cartoonist, and other features.

The club has the backing of Carroll Clark, Radex 1833 and also W71ML.

Anyone interested in joining may write to the FRA headquarters, 2719 Pershing Ave., San Bernardino, Calif. A year's membership is only 75 cents.

We would like to say here that any club will be mentioned in these columns and news of new stations or DX interest credited to it if the club headquarters will furnish us with regular copies of their publications (IDA, NNRC, WDXA and others take notice).

New faces appear in the column this time, among them Bill Krause of Sharpsburg, Pa., who sends in his first report. He is Radexer 1802.

R. G. Earle sends in his card from Des Moines, Ia., and it is a nice one. Bob is 15 years old and a member of the Radex Club. My cards will be ready soon, Bob, and you'll get one of mine.

From Akron, O., comes the card of Bernard F. Allen, who is R1978, and it, too, is a dandy. Perhaps you didn't see me because I was moving, Bernie—try me again when you're in Columbus.

A proposal by the ARRL has resulted in the changing of the subdivisions of the ten-meter amateur band by the Federal Communications Commission.

Effective July 9 phone operation is now permissible in the 28100-28500 kc section of the band, leaving only 100 kcs (28000-28100) for cw operation. However, the ten-meter CW stations are few and far between.

The FCC also announced that frequency modulation is now allowed in the 29250-3000 kc portion of the band.

QRA and QSL

Onda Corta, a magazine published for Mexican amateurs in Mexico City, has listed all XE stations in its June issue. Since we have a copy we will be glad to supply any QRAs of XE amateurs. Just drop us a line.

A. M. Hankins, 1006 Ligonier Ave., Latrobe, Pa., would like the QRAs of

K6REF and K6QUOD, both heard on 20-meter phone.

The W Section

For the past month or two your editor has been moving and has undergone a reorganization of family affairs, etc., etc. Consequently the news of W hams this issue will be confined to those items sent in by our readers.

With the next issue, however, and the start of the DX season, the W Section will contain those well-liked snappy, short interviews with our own amateurs.

Tom Smith says that in his estimation the best QSL is a hand-colored card from W1MFR.

W2LWH, W2MAX and W4FFF—all on 40 meters CW—will QSL the SWL reports. W5EWZ and W7FRQ on 20 meter CW will also QSL.

Right in the midst of summer stagnation and with many Radexers turning to the SW broadcast bands which have been opening up lately, we present this meager bit of station news:

ALASKA—V. C. Stasen heard K7BUB say that he does not have time at present to answer listeners' cards!

ARGENTINA—LU7BK verified with a regular QSL and special SWL card, proving that he is "100 percent QSL."

BRAZIL—PY8AB verified with a card on which was a map of South America in yellow and Brazil in green. He said he appreciated SWL reports.

CANADA—Bill Scott received a card from VE3CD after he sent him a back report of his signals.

PHILIPPINES—From Fred Anderson of the 10th Signal Company at Fort Mills, P. I., comes this interesting bit of information about KAIGH, whose card is reproduced in the column:

Stop Press Flashes

Last minute items of interest, received too late to classify in the various columns and departments in RADEX.

Lansing gets FM

WJIM Inc., was granted a construction permit for a new FM station to operate on 47700 kcs. with a service area of 3000 square miles. The station will serve approximately a quarter million persons.

CMKQ moves

Station CMKQ of Santiago in the province of Oriente, Cuba has moved to the little pueblo of San Luis in the same province. San Luis is situated between Cespedes and Garbo (not Greta) on Calle de General Garcia. CMKQ uses 500 watts on 1460 kcs.

Canadians shift

Several Canadians have shifted frequencies in order to gain power increases since the recent North American Radio Broadcast Agreement.

CFCH in North Bay is now on 600 kcs. with 1000 watts having vacated 1230 kcs.

CHRC in Quebec City is now on 800 kcs. and also using 1 kw., after a shift from 1400 kcs.

CKNX is now on 920 kcs. and using 1000 watts in Wingham, Ont.

CKNB of Campbellton, N. B., is now using 950 kcs. and 1000 watts. This station was formerly on 1240 kcs.

CKLN changes frequency from 1450 to 1240 kcs. with no power increase.

CKCO in Ottawa changes from 1340 to 1310 kcs. and increases to 1000 watts.

CKTB in St. Catharines, Ont., has shifted to 1550 kcs. from 1230 kcs. and is now using 1 kw.

Power increases

CHGB on 1230 kcs. is now 250 watts. . . .

CHLT on 1240 kcs. increases to 250 watts. . . .

... CBJ on 1240 kcs. is now 250 watts. . . .

CHWK on 1340 kcs. is now 250 watts. . . .

CFOS on 1400 kcs. is now 250 watts. . . .

CIOC on 1400 kcs. is now 250 watts. . . .

CHLP on 1490 kcs. is now using 250 watts. . . .

... CJIC on 1490 kcs. is 250 watts, and

CKCR on the same frequency is also 250 watts.

New Canadians

A new station is scheduled for Antigonish, N. S. to use 910 kcs. with a power of 1000 watts. Call letters were not mentioned.

Another new one is slated for Peterborough, Ontario. This station, call letters also unassigned, will use 1450 kcs. with 250 watts.

W45BR—Baton Rouge

According to E. B. Charlton of Baton Rouge, their local FM station is using the call W45BR and not the originally assigned W45RG! It is evident that a change was made at the last minute in order that the station could use the more appropriate call letters. W45BR is on the air daily from 10:30 a.m. to 12:30 p.m., from 3-6 p.m., and from 7-10 p.m. including Sunday.

Rome Schedules

A few operating schedules of the Rome stations are forwarded by Buddy Giles:

12RO-18 on 9760 kcs. operates from 8-11 p.m.

12RO-4 on 11810 kcs. operates from 8 p.m. to midnight.

12RO-3 on 9630 kcs. operates from 11:30 p.m. to midnight.

"Radio Denmark"

This station, believed to be a secret anti-Nazi broadcaster is being heard irregularly from 12:30-12:45 a.m. on 9710 kcs. by Alton Caldwell of Brockton, Mass.

U.S.S.R. Shed

One of the most complete schedules of the Soviet stations is furnished by Francis Fellers, which, incidentally, he compiled himself.

RV96 on 15180 kcs. is on the air from 3:05-3:25 a.m. (Britain); 7:05-7:25 a.m. (United States); 10:10-50 a.m. (U.S.); 11:12-35 p.m. (Slavic); 5:5-30 p.m. (Britain); 5:30-5:55 p.m. (Germany); 6-6:58 to (U.S.); 7-7:28 (Germany); 7:30-7:58 (U.S.); 8-8:58 (Italian, Slavic or Spanish); 9:30-9:58 p.m. (U.S.); and 10-11 p.m. (Slavic).

RV96 on 15210 kcs. is on the air from 4-4:28 p.m. (France); 4:30-4:58 (Scandinavia); 5:30-5:58 (Germany); 6-6:58 (U.S.); 7-7:28 (Germany); 7:30-7:58 (U.S.); 8-8:58 p.m. (Italian, Spanish, or Slavic).

RNE on 12000 kcs. is on the air from midnight to 12:25 a.m. (Britain); 7:30-7:58 a.m. (Britain); 5-5:30 p.m. (Britain).

RV96 on 5920 kcs. is on the air from 10-10:30 a.m. (U.S.); 1-1:28 p.m. (Britain); 2-2:58 p.m. (Britain); 7:30-7:58 p.m. (U.S.); and 9:30-9:58 p.m. (U.S.)

RAN on 9600 kcs. is sometimes used instead of RV96 on the 1-1:28 and 2:30-2:58 p.m. programs to Britain.

Another station on 11785 kcs. (call unknown) is operating from 2:45-4:15 p.m. to Slavic nation.

An unlocated station, somewhere on the 16 meter band is broadcasting the 7:05-7:25 a.m. program to United States.

The Eiran Addresses

According to advice of Norman Kane, the addresses given over the Athlone shortwave station in this country and Canada are the Consul offices. Verifications can not be had from these offices, though reports are solicited. One still has to write to Dept. of Posts and Telegraphs, Dublin for verification.

Schedule of this station is on 17840 kcs.

from 7:30-8:30 a.m. and from 12:30-1:15 p.m.

... Then on 15120 kcs. from 1:30-4 p.m.

... On 9595 kcs. from 4:10-5:00 p.m.

New U.S.A. stations

The Southwest Broadcasters, Inc. have just been granted a CP for a new station in Las Vegas, New Mexico to use 1230 kcs. with 250 watts, unlim. time.

To the Helena Broadcasting Co., of Helena, Ark., the FCC has granted a CP for a new station in that city on 1490 kcs. with 250 watts, unlimited time.

Channel Chatter

By the Eastern and Western Editors

Standard broadcast news of the world presented in an easy to read form, tabulated by frequencies. All news, unless otherwise credited, is from reader reports. Other items are tabbed RX for official news, RF for Melvin Fisher. RL for Ray La Rocque, and RO for Owen Callin. Occasionally, when the news is of importance and value to readers, the reporter's name is mentioned. However, the FROM COAST TO COAST column in RADEX contains all acknowledgments and credits for reports submitted. Items in *Italics* are exclusively for Western readers and are in Pacific Standard Time. All other items are in E. S. T.

570 kcs.

WNAX in Yankton is installing a new antenna 962 feet in height, supposed to be second in height only to one in Budapest, Hungary . . .

600 kcs.

KPMC uses a double postcard for verification, the return card asking for further information. . . .

610 kcs.

WMUR in Manchester, N. H. is reported to have facilities that will enable it to be used by the federal government for defense purposes at 50 kw., by the mere throwing of a switch. WMUR is expected to be on the air before RADEX is on the stands . . . KZRM on 618 kcs. in Manila is daily relaying the same programs as KZRM on shortwaves (9540 kcs.) . . .

620 kcs.

WAGE is officially in Salina, N. Y., the location of their transmitter. Studios are in Syracuse, but station prefers to be listed as in Salina. This station is now on the air and verifications are signed by Howard C. Barth, sec'y. . . . TIPG (725 kcs.) in San Jose, C. R. can be heard often in the evening. . . .

630 kcs.

WPRO's powerful signal is causing interference on CFCO in nearby Michigan! . . .

650 kcs.

CX-6 in Montevideo, Uruguay using

10 kw. is loggable under WSM, according to Steve Mann. . . .

660 kcs.

YNPH in Managua, Nicaragua can sometimes be logged under WFAP-- at least it can be logged in Lakewood, Ohio by Steve Mann. . . .

700 kcs.

WOR is operating 24 hours a day except on Sunday and Monday and they plan to do so every day, starting this Fall. . . .

710 kcs.

KZRH in Manila is in daily operation, relaying the programs of the 9635 kcs. station. . . .

730 kcs.

NEQ is back on this frequency after broadcasting on 940 kcs., as per Bill Cunningham. . . .

740 kcs.

CMJN is proving a tough nut for Chet Stedman to crack. Can anyone tell him how to get a veri from this station? . . . PRA-4 in Sao Salvador, Bahia, Brazil occasionally can be heard at sign on at 5:10 a.m. . . .

KTRH has been granted a permit to use 50 KW on this frequency, while KXYZ will take over their old frequency of 1320 kc, with 5000 watts days, and 1000 watts night power.

780 kcs.

KZRF of Manila, Philippine Islands is on the air on this channel relaying shortwave KZRF on 6140 kcs. . . .

KFAB has been long listed as having been given permission to change frequency, but the bulletins from the FCC, and their log, fail to show such a change of channel and increase of power. (RW)

790 kcs.

YV5RB still over-rides everything on this channel from time to time. ZNS is no longer heard. YV5RB signs off at 10:07 p.m. . . .

800 kcs.

XESK, call letters of the 150 kw. Mexican in this channel! Station will operate from Juarez, instead of from Nogales, as originally planned. Bill Cunningham reported this!

810 kcs.

HJCI in Bogota can sometimes be logged under WGY. . . .

820 kcs.

WCBD is on this frequency now, having moved from 1110 kcs. . . . Reports from Michigan indicate an improved signal on the new channel. . . . TIEP in San Jose, Costa Rica can often be heard on this channel. . . .

850 kcs.

OAX4A (854 kcs.) in Lima, Peru breaks through on this channel at rare intervals, as per Steve Mann of Ohio. . . .

880 kcs.

YV5RQ (882 kcs.) in Caracas, can be logged in the evening with some sharp tuning. . . .

890 kcs.

KIDA at Salida, Colorado, a 15 watt outlaw station was recently apprehended by FCC agents and the owner, C. W. Trueblood held in \$1,000 bail. It is wondered whether any RADENERS were successful in tuning this station?

900 kcs.

KZIB in Manila, Philippines is on the air daily on this channel relaying shortwave KZIB. . . .

910 kcs.

WABI in Bangor is now on this channel, having moved from 1230 kcs. . . .

920 kcs.

CKNX will send their program schedules to anyone who desires them for one year for 25c to cover the cost

of postage. This from Carl Silvester. . . .

940 kcs.

XEDP now operating on this frequency having shifted to this frequency from 730 kcs. . . . CBM's transmitter at Marieville, P. Q. went back into operation in June. It was damaged by storm in 1940. . . .

2HZ was heard calling WYYH, Home stead Field, Molokai, at 12:30 a.m. on 940 k/c. 2HZ is believed to be at Wheeler Field, Oahu, T. H. . . . (Above is reported exclusively by Davidson)

950 kcs.

KFEL, the mile-high station, in Denver, operates 24 hours daily on this channel. Their verification is a green membership card to the "950 Club" a six-hour program during the early morning hours. . . . VOAR is still on the air broadcasting daytime only, making DX on this station almost nil at present. . . .

970 kcs.

WFLA in Tampa, Fla. is the station that had the WKGA construction permit. Old WFLA on 620 kcs. was deleted and call transferred to this station. . . .

1010 kcs.

CBY's new 1000 watt transmitter officially went on the air July 1st. The transmitting equipment is at Dixie, Ont., with maximum signal directed to the densely populated area of Toronto. CBY has operated in Toronto for the past 16 years with 100 watts. . . . XEJB in Guadalajara, Jal. is a new station on this channel using 5000 watts. Thank Bill Cunningham for this one. . . .

1030 kcs.

Portuguese station heard (in Newfoundland) on this channel daily with good signal and signing off with clock striking the hour and National Anthem. . . .

1040 kcs.

HJ CZ in Bogota, Colombia overrides WHO at about 11 p.m. regularly in Ohio. . . . Steve Mann reporting!

1050 kcs.

XEG in Monterrey, Mexico, verifies with a picture post card of their

building . . . Station sometimes overrides WHN evenings.

NEG was heard at 8:15 p.m. with only slight fading.

1070 kcs.

CBA, since shifting to this frequency, is often badly QRM'd by I.R-1 in Newfoundland as per Rev. Quinton. . . . WIBC has started full time operation and joined the Mutual Network. . . . LR-1 can be logged once in a while through the mess of QRM here around 9 p.m. . . .

1150 kcs.

CHSJ will go on the air with its new vertical radiator early in the fall. . . . CKOC will soon have their new transmitter on the air with increased power. . . .

1160 kcs.

YV5RI in Caracas, Venezuela overrides KSL occasionally after WJJD signs off. . . .

1190 kcs.

HJAN in Barranquilla, Columbia is frequently heard behind WOWO. . . .

1200 kcs.

KZRC in Cebu, Philippines is operating daily in conjunction with its shortwave station on 6160 kcs. . . . Take it from Steve Mann, HJCR, the 5 kw. Bogota Station is a cinch, often overriding WOAI. Then when both HJCR and WOAI have speech, PRB6 in Sao Paulo, Brazil can occasionally be logged in the background. . . .

1200 kcs.

KZRC in Cebu, Philippines is operating daily in conjunction with its shortwave station on 6160 kcs. . . . Take it from Steve Mann, HJCR, the 5 kw. Bogota Station is a cinch, often overriding WOAI. Then when both HJCR and WOAI have speech, PRB6 in Sao Paulo, Brazil can occasionally be logged in the background. . . .

1220 kcs.

WGNY is reported by Anton Duening as testing on this new frequency. . . . PRA-9 in Rio de Janeiro, Brazil can occasionally be heard behind XEB.

1230 kcs.

WBLJ in Dalton, Ga. is now a full

time station. . . . WIOF of Orlando, Fla., has been on the air for some time. . . . KPHO does verify, and with a very beautiful card, says Byron Harrell. . . .

1240 kcs.

WFTM in Fort Meyers, Fla. is off the air, the transmitter building burned to the ground, Mr. Benes and family escaping with their lives. They lived upstairs over the transmitter. The plant was entirely covered by insurance and will probably be rebuilt. . . . WBIR in Knoxville is on the air and will verify. . . . WBML in Macon, Ga. is on the air and verifications are being signed by David Bain, chief Engineer, who was formerly chief engineer at WRTD—now deleted. . . . KGBS in Harlingen, Texas started construction on June 3rd and ought to be on the air by now. . . .

1260 kcs.

XEBL on this frequency has moved to Culiacan. . . .

1270 kcs.

XEHX in Oaxaca is now XEAX. . . . XEDL is changed to XEGL. . . . XEDN is not on the air and can be deleted. . . . HJAT in Barranquilla, Colombia (1275 kcs.) is being logged by Steve Mann, occasionally. . . .

1300 kcs.

KGLO, through F. C. Eighmey, its manager, would appreciate reports from Radexers, as they have recently changed to 1000 watts directional at night! . . . WFBR's card has message printed in black with call letters super-imposed in red. Schedule: 6 a.m. to 12:30 p.m. . . .

1310 kcs.

XEHB was heard testing a transmitter with a signal that blasted through WRR, during early morning hours. . . .

1340 kcs.

WLAK in Lakeland, Fla. heard on the second Thursday and Friday from 2:15-2:30 a.m. with a test program which was not for the FCC. . . . WIZE is now on the air. Verification is signed by Arthur L. Martin, chief engineer. . . . WBRK finally verified for Ed Vickers after about two dozen

reports. It took a recording of the program to do the trick . . . WPER in Deland, Fla. has not started construction yet, are still looking for engineers and operators, and will probably get under way in the fall. Ed Vickers is responsible for this item. . .

. . . WLBK, Bowling Green, Ky., puts on a regular test program on the first Thursday of the month from 3-3:30 a.m., according to Len Kruse. . . . XECF increases to 1000 watts. . . . XEJK is deleted! . . .

1360 kcs.

WSAI schedule: Monday to Thursday 6 a.m. to 2 a.m.; Friday and Saturday 6 a.m. to 5 a.m., and Sunday 7:58 a.m.-2 a.m. . . . WDRC's schedule is from 7 a.m. to 1 a.m., Mon. through Sat., and 8 a.m.-1 a.m. Sunday. . . . XESA in Culiacan is now broadcasting. . . .

CMC verified by letter in just 13 days.

1370 kcs.

XEAF in Nogales is now using the call XEHF! . . .

1400 kcs.

WKWK in Wheeling, W. Va. are now on the air and verifications are signed by John B. Reynolds, manager. . . . WINC, Winchester, Va., is now on the air as an NBC Blue network station. . . .

1410 kcs.

XERY is deleted. According to Bill Cunningham, these stations never officially started to broadcast. . . .

1420 kcs.

WFCI in Pawtucket sends an attractive letter printed in blue and gold. Their address is: Radio station WFCI, 450 Main St., Pawtucket, R. I. . . . XEF in Juarez moves to this channel from 1400 kcs. . . . WFCI's schedule is from 6:55 a.m. to 1 a.m. and not 1 p.m. as stated in last issue. . . .

1450 kcs.

WLEU is in use throughout the day and in the evening. . . . WAOV in Vincennes, Ind. is now on the air. Verification signed by Claude M. Harris, Chief Engineer. . . . KGIW was destroyed by fire earlier in the year, Albert Koppe wonders if they

are back on the air yet! . . . KFUN in Las Vegas, Nev., according to official information received by Ed Vickers, is deleted. The station was never built and the construction permit is no longer outstanding. . . .

1470 kcs.

XESM is now using 5000 watts. . . .

1490 kcs.

WSLS usually can be heard on Monday, Tuesday, Wednesday or Thursday in the early morning hours. . . . KBUR in Burlington, Iowa began operations around July 15th. Their transmitter is atop Hotel Burlington. . . . WERC in Erie, Pa., went on the air in June as an affiliate of CBS. . . .

1590 kcs.

WALB in Albany, Ga. is now on the air and will verify. Billy Barry, assistant program director, signed the card. . . .

Broadcasting Stations of Colombia

600	HJFX	1 kw.	Manizales
720	HJCU	5 kw.	Radio Cristal, Bogota
810	HJCI	2½ kw.	La Voz de la Victor, Bogota
870	HJCC	5 kw.	La Voz de Bogota, Bogota
920	HJCS	50 kw.	Radio Continental, Bogota
970	HJCM	250 w.	Nueva Granada, Bogota
1040	HJ CZ	2½ kw.	La Voz de Colombia, Bogota
1060	HJCG	500 w.	Radio Santa Fe, Bogota
1080	HJAH	500 w.	Emisora Atlantico, Barranquilla
1090	HJEE	250 w.	Radio Cali, Cali
1105	HJCB	2 kw.	Nueva Granada, Bogota
1130	HJGE	350 w.	Radio Bucaramanga, Bucaramanga
1140	HJBJ	500 w.	La Voz de Santa Marta, Santa Marta
1150	HJDT	400 w.	Radio Nutibara, Medellin
1150	HJEB	500 w.	La Voz de la Valle, Cali
1160	HJCO	1 kw.	La Voz de Sud America, Bogota
1190	HJAN	1 kw.	La Voz de la Victor, Barranquilla
1200	HJCR	5 kw.	Emisora Nacional, Bogota
1210	HJAM	250 w.	Ondas del Sinu, Monteria
1220	HJCE	1 kw.	Ondas Bogotanas, Bogota
1240	HJAE	525 w.	Laboratorios Fuentes, Cartagena
1250	HJDK	500 w.	La Voz de Antioquia, Medellin
1260	HJEL	500 w.	Cali
1270	HJBC	440 w.	La Voz de Cucuta, Cucuta

- 1275 HIAT Radio Barranquilla,
Barranquilla
- 1280 HJGK 280 w. Radio Santander,
Bucaramanga
- 1290 HTCK 250 w. Ecos del Tequen-
dama, Bogota
- 1300 HJEC 500 w. La Voz de Co-
lombia, Cali
- 1310 HJAK 500 w. La Voz de la
Patria, Barranquilla
- 1320 HJDQ 1.8 kw. Emisora Claridad,
Medellin
- 1330 HJAA 250 w. Ecos de la Costa,
Barranquilla
- 1340 HJEF 500 w. La Voz de Hi-
gueronia, Cali
- 1350 HJDC 250 w. Ecos de la Mon-
tana, Medellin
- 1350 HJFF 250 w. Ondas del Otun,
Pereira
- 1350 HJHA 500 w. Radio Narino,
Pasto
- 1370 HJAI 500 w. Barranquilla
- 1380 HJCI 500 w. Radio Mundial,
Bogota
- 1380 HJDR 250 w. La Voz de
Comercio, Medellin
- 1390 HJFD 450 w. Radio Manizales,
Manizales
- 1400 HJAR 250 w. Radio Cartagena,
Cartagena
- 1410 HJEL 100 w. Buga
- 1430 HJFK 100 w. Tulua
- 1440 HJFL 100 w. Ondas de Ibague,
Ibague
- 1450 HJFG 500 w. La Voz del Al-
cazar, Popoyan
- 1460 HJBE 100 w. Ondas del Mag-
dalena, Cienaga
- 1470 HJFE 250 w. La Voz de Pereira,
Pereira
- 1480 HJDL 500 w. Ecos del Occi-
dente, Medellin
- 1490 HJDU 250 w. Medellin
- 1510 HJEM 100 w. Radio Palmira,
Palmira
- 1520 HJDM 500 w. Radio Cordoba,
Medellin
- 1540 HJFI 500 w. Pregones del
Quindio, Armenia
- (This list courtesy of Stephen Mann)

(Continued from page 24)

KGEI now has studios situated on Nob Hill, San Francisco, and uses increased power of 50,000 watts. (RWF)

WET on 9470 k/c was heard phoning Buenos Aires after President Roosevelt's speech on May 27th. (RW)

WCG, New York, was heard R9 on 10355 k/c relaying MBC to XEWW in Mexico City. (RW)

Vatican City

Vatican City—(RE): HVJ on 11740 kcs. is still being heard regularly on Sunday and Thursday from 8:30-9:30 p.m. with the first half hour of program in English.

HVJ on 15120 kcs. heard by Art Hankins on a Sunday from 7:45-8:15 p.m.

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The Radex Club

By ANNE TENNA



Our RADEX Club grows and grows! As we go to press we have just passed out our 2450th membership card. There are still but five states remaining in which there are less than five members, making an equal number of white spaces in our outline map. R A D E X members are spread throughout many countries of the world, and it is hoped that members will make a special effort to enable us to gain new members in Idaho, Utah, South Dakota, Mississippi, and South Carolina in order that we may have a solid black map to show in next issue.

Anyone with a genuine interest in radio can join the RADEX Club by dropping a card or letter to RADEX business offices, 12 Locust Ave., Emerson, N. J. Enclose your name and address and your membership card will be forwarded to you However, if you desire to enter into correspondence in any matter pertaining to club activity, please address your notes to me, Anne Tenna, care of Radex Editorial Office, 105 Highland St., Worcester, Mass.

Now to get to matters of the day. First of all Radexers, meet our new members from:

California: Bob Sacry, Healdsburg (R2303), John Brurley, Alameda (R2-395), Geo. Deligianis, San Francisco

(R2347), Elliot B. Hensela, Montrose (R2359), A. W. Brashar, San Francisco (R2361), Louis Comyns, Los Angeles (R2425); Jerry P. Flynn, San Francisco (R2431); J. E. Morrison, Glendale (R2442); Charley Yansk, Los Angeles, (R2448).

Indiana: Jim Griffin, Cicero (R241-0); John Kelly, Winchester (R2363).

Iowa: Dick Burham, Des Moines (R2427), R. W. Peterson, Des Moines (R2428), Marvin Austin, Des Moines (R2432); and Gale W. Leak, Des Moines (R2379).

Kentucky: Charles Shelby, Saleir. (R2381), Logan B. Lawson, Louisville (R2356); James Wilburn, Louisville (R2421).

Massachusetts: Bruno Matas, Lawrence (R2444); Francis Lendzoiszek, Easthampton (R2320).

Michigan: Edward Dubay, Mr. Clemens (R2380); James Morrison, Mackinac Island (R2394).

Missouri: Wally Cobb, Kansas City (R2441); Allen Anderson, Kansas City (R2401), Pat Sullivan, St. Louis (R24-14); Joseph Biernacki, St. Louis (R2-415), Phil Biernacki, St. Louis (R2-413).

New Hampshire: Aristotle Bouras, Newmarket (R2375).

New Jersey: Gordon B. Powell, Clifton (R2371); John Horbett, Jersey City (R2417).

New York: Glenwood Penslien, Delevan (R2422), Clifford Barnhardt, Deposit (R2434); David Hannibal, Greenport (R2438); Edward Roethel, Glendale (R2450), Bob Edick, Utica (R2370), Richard Evans, Utica (R23-84); George Hill, Jr., New York City (R2396); Bill Waring, Delevan (R2-405).

North Carolina: John Sevier, Greensboro (R2445).

Ohio: Bill Miller, Warren (R2420); Bill Brost, Cincinnati (R2435); and Noel H. Ellis, Matamoras (R2393).

Pennsylvania: Carl V. Seibert, Oberlin (R2429); Martin Wagner, Bethlehem (R2449); Robert Zimmerman, Templeton (R2348); Ed Berryman, Philadelphia (R2362); Joe Sidor,

Phoenixville (R2366); Steve Sidor, Phoenixville (R2367); Jack Heisey, W. Philadelphia (R2397); R. F. Roy Nye, Shamokin (R2404); and Paul J. Nye, Shamokin (R2407).

Rhode Island: Arthur H. Gold, Westerley (R2409); Nathan Brown, Ashaway (R2436); and Warren Brown, Ashaway (R2437).

Tennessee: Benny Miller, Spring City (R2368).

Texas: J. R. Moore, Waco (R2349); J. M. De Face, Dallas (R2399); Richard De Face, Dallas (R2416), Floyd B. Inks, Austin, (R2433).

Virginia: Paul Bradley, Hampton, (R2385).

Wisconsin: Robert Kuckuk, Mellen (R2355).

Canada

British Columbia: J. Morrith, Vancouver (R2382).

Manitoba: G. Walsh, Jr., St. Boniface (R2430).

Ontario: Lewis Hertzman, Toronto (R2408); Bill Wells, Hamilton (R24-43).

Europe

Great Britain: F. B. Atkin, Monmouth, England (R2447).

Now that I have dispensed with the necessary introductions let us get to the business at hand. One of the motions that has been up before the meeting many times is the subject of stationery, seals, report forms, and perhaps buttons or pins for club members. The demand for these supplies has been so great that RADEX is going to make them available just as soon as we can agree on a design and have them made ready for sale to members who want them. . . . Incidentally, I will appreciate any suggestions in regard to designs, etc., from any members who may care to forward them to me.

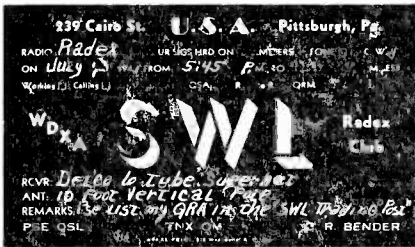
Club members, let's make this column our column. Every month, we're going to get into a little round table discussion about Radex Club activity in various parts of this country and the world. Later, it is planned to per-

(Continued from page 5)

And that's only the beginning of activity. I have many more plans for competitive activity among members in their own DXing, in SWL card collecting and other collecting hobbies, in enrolling new members, in promoting activity in your neighborhood, and many other branches of our hobby in which you may be interested. Are we going to have fun this season or are we going to have FUN? How about getting in on this now and putting forward your few words in behalf of our club, one of the largest, perhaps the largest of all, and certainly the fastest growing club in the world; . . . Yours truly, Anna Ten-

na awaits a letter or card from you. On these pages are a few samples of report forms used by a couple of RADEX Club members in soliciting verifications. It is something along these lines that we plan to make available to club members. Study the ones on these pages and let us have your comments on them.

Do I hear a motion to adjourn? . . . Seconded? . . . Well I was going to suggest it anyhow! I'll see y'll next month. Let there be activity in the RADEX Club from Maine to California and all points North, South, East and West!



Contrasting in black and silver from C. R. Bender.

45700 kcs.

W57PH, Philadelphia, Pa., 9300 sq. mi., Westinghouse Electric Co. (C)

45900 kcs.

W59C, Chicago, Ill., 10800 sq. mi. WGN, Inc. (C)

W59NY, New York, N. Y., 8500 sq. mi., Interstate Brest. Corp (C)

46100 kcs.

K61LA, Los Angeles, Calif., 7000 sq. mi., Metro Goldwyn Mayer (C)

46300 kcs.

W63C, Chicago, Ill., 10800 sq. mi., National Broadcasting Co. (C)

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

W63SY, Syracuse, N. Y., 6800 sq. mi., Central N. Y. Brest. Co. (C)

46500 kcs.

W65H, Hartford, Conn., 6100 sq. mi., WDRC, Inc. (C)

—, Kansas City, Mo., 1500 watts, (X)

46700 kcs.

W67B, Boston, Mass., 6700 sq. mi., Westinghouse Electric Co. (C)

W67C, Chicago, Ill., 10800 sq. mi., Columbia Broadcasting System (C)

W67NY, New York, N. Y., 8500 sq. mi., Columbia Broadcasting System (C)

46900 kcs.

W69PH, Philadelphia, Pa., 9300 sq. mi., WCAU, Inc. (C)

47100 kcs.

W71NY, New York, N. Y., 8500 sq. mi., Bamberger Brest. Corp. (C)

W71RF, Rockford, Ill., 3900 sq. mi., Rockford Broadcasters. (C)

W71SB, South Bend, Ind., 4300 sq. mi., So. Bend Tribune (C)

47500 kcs.

W75C, Chicago, Ill., 10800 sq. mi., Moody Bible Institute (C)

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

W75P, Pittsburgh, Pa., 8400 sq. mi., Westinghouse Electric Co. (C)

48100 kcs.

W81SP, Springfield, Mass., 2500 sq. mi., Westinghouse Electric Co. (C)

49100 kcs.

W3XPY, Whippany, N. J. —, Bell Telephone Labs. (X)

49900 kcs.

W99NY, New York, N. Y., 8500 sq. mi., Frequency Brest. Co. (C)

Beneath the frequency in kilocycles are listed in this order: Call, location, coverage (or power), owner, and type of station.

Calendar of DX Programs

All time is am. and Eastern Standard Time unless otherwise specified

Though we have used the utmost care in compiling this list, its very nature makes it impossible for us to guarantee the authenticity of the schedules. The greater part of the list is made up from reports received from RADEX readers and our own checking. It is hoped that by constant re-checking by ourselves and by readers who use the list will in time make this list (a monthly feature of RADEX) completely accurate. As the season progresses, we will include special DX programs arranged by various clubs as well as these regular monthly programs—most of them for frequency checking purposes.

Sept. 4 and Oct. 4		2:55-3:10	WBRK	1340	3:50-4:05	WVAIR	1340	
3:00-3:15	WINN	1240	3:00-3:15	WABY	1400	3:50-4:05	WJLB	1400
Sept. 7 and Oct. 7		3:05-3:20	WVAS	1450	3:55-4:10	KWOC	1340	
3:3-3:30	KVGB	1370	3:10-3:25	WCAX	1230	3:55-4:10	WMFR	1230
3:30-4:00	KTEM	1370	3:15-3:30	WRDO	1400	3:55-4:10	WALR	1240
Sept. 10 and Oct. 10		3:20-3:35	WAGM	1450	4:00-4:15	WJIB	1450	
2:30-2:45	WSLB	1370	3:25-3:40	WHAI	1240	4:00-4:15	WKRC	590
Sept. 18 and Oct. 18		3:30-3:45	WWSR	1420	4:05-4:20	KFAM	1450	
4:00-4:45	KODL	1230	3:35-3:50	WMFF	1340	4:05-4:20	WCLE	610
Sept. 20 and Oct. 20		3:40-3:55	WSLB	1400	4:10-4:25	KALB	1240	
3:00-3:15	WSPB	1450	3:45-4:00	WCAD	1250	4:10-4:25	WLBC	1340
Every Monday		3:45-4:00	KVWC	1490	4:15-4:30	KELD	1400	
2:00-2:30	WAOV	1450	3:50-4:05	WLNH	1340	4:15-4:30	WTAQ	1360
Every Saturday		3:55-4:10	WIBX	1230	4:15-4:30	WOPI	1490	
4:00-4:15	WLAV	1340	4:00-4:15	KVRS	1400	4:20-4:35	WBCM	1440
Sept. 7 and Oct. 5		4:05-4:20	WMBO	1340	4:25-4:40	KNYZ	1470	
4:00-4:15	WESX	1230	4:10-4:25	WBRB	1240	4:25-4:40	WSX	1240
Sept. 1 and Oct. 6		4:10-4:25	KDNT	1450	4:25-4:40	WCMJ	1340	
2:00-2:30	WAOV	1450	4:15-4:30	KPAB	1490	4:30-4:45	KGKL	1400
2:30-3:00	KFGQ	1400	4:20-4:35	KVOX	1340	4:30-4:45	WHBY	1230
3:30-4:00	WMOB	1230	4:25-4:40	KFPW	1240	4:35-4:50	KCMC	1450
Sept. 2 and Oct. 7		4:30-4:45	WMIN	1400	4:35-4:50	WSGN	1340	
4:30-5:00	KAVE	1240	4:35-4:50	KNET	1450	4:35-4:50	WHK	1440
Sept. 3 and Oct. 1		4:40-4:55	WBBZ	1230	4:40-4:55	KRGV	1290	
2:25-2:40	WSAV	1340	4:45-5:00	KFGQ	1400	4:40-4:55	WCOV	1240
2:30-2:45	WHUB	1400	4:50-5:05	KRBC	1450	4:40-4:55	WADC	1350
2:30-2:55	WBIR	1240	4:55-5:10	KGHI	1230	4:45-5:00	KTOK	1400
2:40-2:55	WKAT	1360	5:00-5:15	KTEM	1400	4:45-5:00	WIHL	1230
2:45-3:00	WKPT	1400	5:05-5:20	KABR	1420	4:45-5:00	WIRK	1490
2:50-3:05	WPAB	1370	5:10-5:25	KGEK	1230	4:50-5:05	KGFF	1450
3:00-3:15	WCOS	1400	5:15-5:30	KFJZ	1230	4:55-5:10	KFVS	1240
3:05-3:20	WPRA	790	5:20-5:35	WMBH	1450	5:00-5:15	KMAC	1400
3:10-3:25	KVTC	1340	5:25-5:40	WIL	1230	5:05-5:20	KAND	1340
3:15-3:30	WGBR	1400	5:30-5:45	WOC	1400	5:10-5:25	KAVE	1240
3:20-3:35	WSAU	1400	5:35-5:50	KABC	1450	5:15-5:30	KIUP	1400
3:25-3:40	WSPB	1450	5:40-5:55	KADA	1230	5:20-5:35	KOCY	1340
3:30-3:45	WGAC	1240	5:45-6:00	KLUF	1400	5:25-5:40	KDLR	1400
3:30-3:45	WFPL	1400	5:50-6:05	KTCC	920	5:30-5:45	KICA	1400
3:30-4:00	WSKB	1230	5:55-6:10	KHBC	1230	5:35-5:50	KGMB	590
3:45-4:00	WMGA	1400	6:00-6:15	KRE	1400	5:40-5:55	KBTM	1230
3:50-4:05	WFTM	1240	6:05-6:20	KNO	1490	5:45-6:00	KRMC	1400
4:15-4:35	WSAZ	930	6:10-6:25	KGW	1230	6:05-6:20	KORE	1450
Sept. 4 and Oct. 2		6:15-6:30	KERN	1400	6:10-6:25	KOOS	1230	
2:00-2:30	KTRI	1450	6:20-6:35	KUMA	1450	6:20-6:35	KPO	1490
2:00-2:30	WFOR	1400	6:25-6:40	KVCV	1230	6:25-6:40	KFND	1230
2:30-2:45	WORD	1400	6:30-6:45	KLS	1310	6:30-6:45	KUJ	1400
2:35-2:50	WTMC	1490	6:35-6:50	KYOS	1080	6:35-6:50	KRNR	1490
2:40-2:55	WFIG	1340	6:40-6:55	KSUN	1230	6:40-6:55	KVOS	1230
2:45-3:00	WTHO	1400	6:45-7:00	KGDM	1130	6:45-7:00	KEEN	1400
2:50-3:05	WJTM	1490	6:50-7:05	KIEM	1480	6:55-7:10	KWLK	1400
2:55-3:10	WTMA	1250	6:55-7:10	KVEE	1230	7:00-7:15	KRKO	1400
3:00-3:15	WCBI	1400	7:00-7:15	KARM	1340	7:05-7:20	KLBM	1420
3:00-3:30	WLBJ	1340	7:05-7:20	KGLU	1420	7:10-7:25	KAST	1230
3:05-3:20	WAPQ	1150	Sept. 9 and Oct. 14			Sept. 10 and Oct. 8		
3:10-3:25	WMGO	1490	2:55-3:10	WRAL	1240	2:55-3:10	WEST	1230
3:25-3:40	WGOV	1450	3:00-3:15	WSTS	1340	2:55-3:10	WRCV	1230
Sept. 5 and Oct. 3		3:05-3:20	WMFJ	1450	3:00-3:15	WTEL	1340	
2:30-3:30	WGTC	1490	3:10-3:25	WAIM	1230	3:00-3:20	WBNF	1400
4:05-4:20	WTMC	1400	3:15-3:30	WMFD	1400	3:10-3:25	WLVA	1230
4:10-4:25	WBNS	1460	3:20-3:35	WEEB	1450	3:15-3:30	WCSA	1340
Sept. 6 and Oct. 4		3:25-3:40	WTNO	1200	3:20-3:35	WWSW	1490	
2:00-2:30	WTSP	1380	3:25-3:40	WTMC	1230	3:25-3:40	WBAX	1240
2:30-3:30	WFGP	1450	3:30-3:45	WRDWB	1490	3:30-3:45	WHAT	1340
3:00-3:15	KWAT	1240	3:35-3:50	WIOD	610	3:35-3:50	WTMV	1490
4:00-4:15	WLAV	1340	3:35-3:50	WICA	970	3:40-3:55	WBBL	1210
Sept. 8 and Oct. 13		3:40-3:55	WAYN	1230	3:45-4:00	WBNY	1400	
2:00-2:30	WAOV	1450	3:40-3:55	WLOK	1240	3:45-4:00	ROME	1340
2:00-3:00	KGFV	1340	3:45-4:00	WDNC	1490	3:54-4:05	WHIS	1440
2:45-3:00	WTLM	1450	3:45-4:00	WPAY	1400	3:50-4:05	KWEW	1490

3:55-4:10	WKOK	1240	4:55-5:1	WFEW	770	5:40-5:55	KFXI	1230
3:55-4:10	WDWM	1230	4:55-5:10	WJMS	1450	5:45-6:00	KGBX	1260
4:00-4:15	WCOL	1230	5:00-5:15	KGHF	1350	5:50-6:05	KVSF	1340
4:00-4:15	WFBG	1340	5:00-5:15	WHDF	1400	5:55-6:10	KOKO	1400
4:05-4:20	KRIC	1420	5:05-5:20	KGFI	1490			
4:05-4:20	WGIL	1490	5:05-5:20	WTRC	1340	Sept. 13 and Oct. 11		
4:10-4:25	WHDL	1450	5:10-5:25	KHBG	1240	3:10-3:25	WSFA	1440
4:15-4:30	WEBR	1340	5:15-5:30	KONO	1400	3:15-3:30	WBFL	1230
4:15-4:30	KRIS	1360	5:20-5:35	KGKB	1496	3:20-3:35	WMRN	1490
4:15-4:30	WIBM	1400	5:25-5:40	KASA	1240	3:25-3:40	WBRW	1340
4:20-4:35	KBST	1490	5:30-5:45	KPRO	1400	3:30-3:45	WGNC	1450
4:20-4:35	WPAP	1450	5:35-5:50	KNOW	1490	3:30-3:45	WTOL	1230
4:25-4:40	KSO	1460	5:40-5:55	WMFG	1240	3:35-3:50	WKBZ	1490
4:25-4:40	WKST	1280	5:45-6:00	KRLH	1450	3:40-3:55	WJW	1240
4:25-4:40	WCLO	1230	5:50-6:05	KCRJ	1340	3:40-3:55	WBRW	1340
4:30-4:45	KROC	1340	5:55-6:10	KIUL	1240	3:45-4:00	WNOE	1450
4:30-4:45	WPIC	790	5:55-6:10	KVOA	1290	3:45-4:00	WBNS	1460
4:30-4:45	WEOA	1400	6:00-6:15	KVNU	1230	3:50-4:05	WOLS	1230
4:35-4:50	KDAL	1490	6:05-6:20	KIUB	1340	3:50-4:05	WGAR	1480
4:35-4:50	WJLS	1240	6:10-6:25	KSAN	1450	3:55-4:10	KSAM	1490
4:35-4:50	WELL	1400	6:15-6:30	KGAR	1400	3:55-4:10	WLAK	1340
4:40-4:55	WTAW	1150	6:20-6:35	KSRQ	1340	3:55-4:10	WCOL	1240
4:40-4:55	WHBC	1236	6:25-6:40	KTRB	860	4:00-4:15	WQBC	1390
4:45-5:00	KRMD	1340	6:30-6:45	KJBS	1100	4:05-4:20	WTBO	1150
4:45-5:00	WSAU	1400	6:35-6:50	KSUB	1340	4:05-4:20	WING	1380
4:50-5:05	WLAP	1450	6:40-6:55	KDON	1240	4:10-4:25	KUTA	1490
4:55-5:10	KFDM	560	6:45-7:00	KGU	760	4:10-4:25	WTAL	1340
4:55-5:10	WFAM	1230	6:50-7:05	KHSL	1290	4:10-4:25	WOMT	1240
5:00-5:15	KPDN	1340	6:55-7:10	KROY	1240	4:15-4:30	KIUN	1400
5:00-5:15	WHLS	1400	Sept. 12 and Oct. 10			4:15-4:30	WNEL	1320
5:05-5:20	WCBS	1450	2:00-2:30	KORN	1400	4:15-4:30	WOSU	570
5:05-5:20	KPIT	1490	2:15-2:30	WLAK	1340	4:20-4:35	WDAN	1490
5:10-5:25	KGKO	570	2:40-2:55	WKBV	1490	4:20-4:35	WMSD	1450
5:15-5:30	KFPL	1340	3:00-3:15	KRIS	1360	4:20-4:35	WDZ	1020
5:15-5:30	WDWS	1400	3:00-3:15	WSVS	1370	4:25-4:40	KYSM	1490
5:15-5:30	KAWM	1490	3:05-3:20	WJAC	1400	4:25-4:40	WGTM	1340
5:20-5:35	WPAD	1450	3:10-3:25	WITN	1240	4:25-4:40	WHBU	1240
5:25-5:40	KGLO	1240	3:15-3:30	WBLK	1400	4:30-4:45	WCMO	148C
5:25-5:40	WJBC	1230	3:20-3:35	WLEU	1450	4:30-4:45	WJBW	1230
5:30-5:45	KRRV	1310	3:25-3:40	WCAP	1310	4:30-4:45	WKBN	570
5:30-5:45	WGL	1400	3:25-3:40	WSAY	1240	4:35-4:50	WNAD	690
5:35-5:50	KGKY	1490	3:30-3:45	WGH	1340	4:35-4:50	WXCP	1470
5:40-5:55	WIBU	1240	3:35-3:50	WCNW	1500	4:35-4:50	WYXZ	1250
5:45-6:00	KRBA	1340	3:35-3:50	WMB5	1450	4:40-4:55	KOVC	1490
Sept. 11 and Oct. 9			3:40-3:55	WFAS	1450	4:40-4:55	WTJS	1340
3:00-3:15	WKAT	1490	3:40-3:55	WMBG	1380	4:40-4:55	WTAX	1240
3:05-3:20	WTRD	1230	3:45-4:00	WOKO	1460	4:45-5:00	KLCN	1320
3:10-3:25	WSOC	1240	3:45-4:00	WRAW	1340	4:45-5:00	WMBR	1400
3:15-3:30	WAML	1340	3:50-4:05	WSYR	1490	4:45-5:00	WMP	1230
3:20-3:35	WPRA	1400	3:50-4:05	WDAS	1400	4:50-5:05	WSLI	1450
3:25-3:40	WPAX	1240	3:55-4:10	KWB	1240	4:50-5:05	WEAU	1070
3:30-3:45	WOAM	560	3:55-4:10	WSYR	570	4:55-5:10	KOCA	1240
3:30-3:45	WSLS	1490	3:55-4:10	WNBZ	1320	4:55-5:10	KVOL	1340
3:35-3:50	WPRP	1450	4:00-4:15	WBRE	1340	5:00-5:15	KBIX	1490
3:35-3:50	WTMV	1490	4:05-4:20	WNLG	1490	5:00-5:15	WBTH	1400
3:40-3:55	WFTC	1230	4:05-4:20	WBTM	1400	5:05-5:20	KPAC	1260
3:45-4:00	WKAQ	620	4:1-4:25	WBBW	1240	5:05-5:20	WHBQ	1400
3:50-4:05	WDAN	1490	4:10-4:25	WHEC	1460	5:15-5:25	WROL	1340
3:55-4:10	WFOY	1240	4:15-4:30	WAZL	1450	5:15-5:30	KTRH	1320
4:00-4:15	WAGF	1400	4:20-4:35	WRAC	1400	5:15-5:30	KMLB	1230
4:05-4:20	KPLC	1490	4:25-4:40	WGNV	1250	5:20-5:35	KLPM	1390
4:05-4:20	WPDF	1340	4:30-4:45	WJBL	1230	5:20-5:35	WHMA	1450
4:10-4:25	WGRM	1240	4:30-4:45	WSOY	1340	5:25-5:40	KVSO	1240
4:10-4:25	WSPD	1376	4:35-4:50	KATE	1450	5:25-5:40	WSTP	1490
4:15-4:30	WMSL	1400	4:35-4:50	WKBB	1490	5:30-5:45	KWLC	1240
4:15-4:30	WCPO	1230	4:40-4:55	KARK	920	5:35-5:50	WTEL	1340
4:20-4:35	WKFU	1490	4:40-4:55	WJIM	1240	5:35-5:50	KTSM	1340
4:20-4:35	KFZI	1450	4:45-5:00	WHLB	1400	5:40-5:55	KWTN	1240
4:25-4:40	WGCM	1240	4:45-5:00	WEXL	1340	5:45-6:00	WLB	770
4:25-4:40	WGBF	630	4:05-5:05	WOMI	1490	5:50-6:05	KOHB	1400
4:30-4:45	KFYD	1340	4:55-5:10	KFBZ	1340	5:55-6:10	KPPA	1240
4:30-4:45	WFOR	1400	5:00-5:15	WBFC	1230	6:00-6:15	KIT	1280
4:30-4:45	WAVE	970	5:05-5:20	KGTV	1450	6:10-6:25	KFJI	1240
4:35-4:50	KFTM	1460	5:05-5:20	WKBV	1490	6:05-6:20	KGRV	930
4:35-4:50	WMP5	1470	5:10-5:25	KGEE	1230	6:15-6:30	KGZE	1340
4:40-4:45	KGCU	1460	5:15-5:30	KGEL	1400	6:25-6:40	KGY	1240
4:40-4:55	WBHP	1230	5:15-5:30	WEMP	1340	6:30-6:45	KXRO	1340
4:40-4:55	KOV	1410	5:20-5:35	KEUP	1450	6:35-6:50	KGCX	1480
4:45-5:00	KWOS	1340	5:25-5:40	WCAT	1230	6:40-6:55	KFIO	1150
4:45-5:00	WCOC	910	5:25-5:40	WEBO	1240	6:45-7:00	KINY	1460
4:45-5:00	WGRC	1400	5:30-5:45	KWYO	1400	6:50-7:05	KFQD	790
4:50-5:05	KOTN	1490	5:35-5:50	KTDW	1450	6:55-7:10	KRIC	1400

Sept. 15 and Oct. 20		Sept. 20 and Oct. 18		Sept. 24 and Oct. 22	
2:00-2:30	WHKY 1400	4:00-4:15	WLAV 1340	2:00-2:30	WFHR 1340
2:00-2:30	WAOV 1450			3:00-3:15	WFLOG 1230
Sept. 16 and Oct. 21		Sept. 22 and Oct. 27		5:00-5:15	KWAL 1450
3:00-3:30	KROD 600	2:00-2:30	WAOV 1450	Sept. 25 and Oct. 23	
Sept. 17 and Oct. 15		2:00-3:00	KGFV 1340	2:00-2:15	WFMJ 1450
3:00-3:3	KPHO 1230	2:45-3:00	WILM 1450	2:00-2:30	WMAN 1400
Sept. 81 and Oct. 16		3:00-3:15	WINN 1240	Sept. 26 and Oct. 24	
3:00-3:15	WJPF 1340	5:45-6:00	KHAS 1230	3:00-3:15	WENY 1230
Sept. 19 and Oct. 17		Sept. 23 and Oct. 28		Sept. 27 and Oct. 25	
5:40-5:55	KBTM 1230	2:00-2:15	WSOO 1230	3:00-3:30	WPJR 1340
				4:00-4:15	WLAV 1340

The Shortwave Stations

Abbreviations used in our shortwave list: Mid. for midnight, ex. for except, days of the week are abbreviated by using the first two letters as Su. for Sunday, etc. Whenever known, exact schedules are given, otherwise brief notes are included which are intended to help the listener identify the station.

In the last issue, it was announced that points would be awarded for corrections or additions to our shortwave listing. Upon the suggestion of some of the readers, who objected to the plan, we are combining the scores of those who submitted corrections with our Report-O-Meter scores in the "Radex Club" section of RADEX.

2000 kcs. band

2320 TGWC Guatemala City, Guat., 9-9 a.m., 12:45-3:45 p.m., 5:30 p. m.-12:15 a.m.

3000 kcs. band

3040 YDA Batavia, N.E.I., 4:30-10:30 a.m., 6-7:30 p. m.

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"

3430 YV5RX Caracas, Venezuela, "La Voz de la Patria"

3420 YV2RC Merida, Venezuela, "La Voz de la Sierra"

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 YV4RO Puerto Cabello, Vene., "Radio Puerto Cabello"

3480 XZZ Rangoon Burma, 9:00 a.m.

3490 YV3RF Acarigua, Venezuela, "La Voz del Llano"

3490 CR7AB Lourenzo, Marques,

Mozambique,

3490 VUD-2 Delhi, India, 8:45 a.m. to 12:15 p.m.

3500 YV5RV La Guaira, Venezuela, "Emisora Vargas"

4000 kcs. band

4273 RV15 Khabarovsk*, U.S.S.R., 4:30-6 p.m., 6:30-7:30 a.m.

4700 ZOI 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"

4775 HJGS Bucaramanga, Colombia, "Radio Santander"

4780 YV3RN Barquisimeto, Vene., "Radio Barquisimeto"

4785 HJAB Barranquilla, Colombia, 5:30-6:30 a.m., 6-11 p.m.

4790 YV6RU Ciudad Bolivar, Vene., "Ecos del Orinoco"

4795 HJDX Medellin, Colombia, "La Voz de Cuenta"

4800 YV1RX Maracaibo, Venezuela, "Ondas del Lago"

4805 HJDU Medellin, Colombia, Irreg. evenings

4810 YV1RL Maracaibo, Venezuela, "Radio Popular"

4815 HJBB Cucuta, Colombia, "La Voz de Cucuta"

4820 YVO Maracaibo, Venezuela, Government station

4830 YV2RN San Cristobal, Vene., "La Voz del Tachira"

4825 HJED Cali, Colombia, 7 a.m. to 1 p.m., 7:10-10:30 p.m.

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.

4860 YV5RU Caracas, Venezuela, "Ondas Populares"

4865 PRC-5 Belen, 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 a.m. to 2 p.m., 6-11 p.m.
 4890 YVSRM Caracas, Venezuela, "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.
 4920 VUM2 Madras, India, 5:30-8:15 a.m.
 YVSRN Caracas, Venezuela, "Radio Caracas"
 ZOY Accra, Gold Coast, rarely heard here
 4945 HJCV Barranquilla, Colombia, 7:30-10 p.m.
 4950 ... Caracas, Venezuela, "Radiofusora Nacional"
 4960 VUD2 Delhi, India, 6:30-8:30 a.m.
 YDF Soerabaya, Java, 10:30 p.m.-2 a.m.

5000 kcs. band

5045 PMY Bandoeng, Java, 5:30 a.m. to noon
 5050 HJAE, Cartagena, Colombia,
 5556 HUB, San Salvador, Salvador, 5:30-11 p.m.
 5725 HCIPM Quito, Ecuador, 2-10 p.m.
 5750 YNJAT Leon, Nicaragua, evenings
 5830 TIGPH San Jose, Costa Rica, 7-10 p.m.
 TIV San Jose, Costa Rica, 10 p.m. to midnight
 5875 HRN Tegucigalpa, Honduras, 6-11 p.m.
 5885 HI9B Santiago, Domin. Rep., 6-11 p.m.
 5900 ZNB Mafeking, British Bechuanaland, 6-7 a.m., 1-2:30 p.m.
 5936 PIC1 Willemstad, Curacao, 6:36.8:36 p.m., Sun., 10:30-12:36 p.m.
 5940 HH2S Port-au-Prince, Haiti, 9-10:4 p.m.
 OAX2A Trujillo, Peru, Tu., Th., Sa., Su., 7-10 p.m.
 5960 HI1J 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.
 HC2RX Quito, Ecuador, "Radio Quito"
 5985 T17RVM Guanacac, Costa Rica, 9:30-10 p.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., Su. 9:30-11:30 p.m.
 ZRH Capetown, U. of So. 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.
 6015 JLR Tokyo, Japan
 6017 HI3U Santiago, Dominican Rep., 7:10-8:05 a.m., 11:40 a.m.-1:40 p.m., 4:40-
 6:40 p.m., Su. 12:30-2 p.m., 5-6 p.m.
 HJCN Bogota, Colombia, 9-11:30 p.m.
 6020 DJC Berlin, Germany, daily to many continents
 XEUW Vera Cruz, Mexico, 7 a.m. to 1 a.m.
 6030 CFVP Calgary, Alberta, 10 a.m.-2 p.m.
 RV96 Moscow, U.S.S.R., 1-7 p.m., 8:30-9 p.m.
 CRXA Lourenzo Marques, Mozambique, 4:50-7:30 p.m., 8-11 p.m.
 DXP Berlin, Germany, 11:05 p.m.-1 a.m.
 XEKW Mexico City, Mexico, late evenings
 6033 HP5B Panama City, Panama, 10:30 a.m.-2 p.m., 6-10 p.m.
 6040 WRUL Boston, Mass., 5-7 p.m.
 6045 XETW Tampico, Mexico, 7 p.m.-1 a.m.
 6050 GSA London, Gt. Britain, 10:55 p.m.-5 a.m., 5:40-10:40 a.m., 11:5-45 p.m.,
 6:19-7:15 p.m.
 HP5F Colon, Panama, 7-9 p.m.
 OAX6A Arequipa, Peru, 9:45-10:30 p.m.
 6055 HJFA Pereira, Colombia, 9 a.m.-noon, 6:30-10 p.m.
 6060 WCAB Philadelphia, Pa., 4:15 p.m.-mid.
 WLWO Cincinnati, Ohio
 YDD Bandoeng, Java, at 5:30 a.m.
 6065 SBO Stockholm, Sweden, 3-5 p.m.
 6070 CFRX Toronto, Ont., 7 a.m.-12:30 a.m., Su. 10 a.m.-11 p.m.
 6075 GRR London, Gt. Britain, 11:45 p.m.-mid., 12:30-12:45 p.m.
 HJCF Bogota, Colombia, 7 p.m. to mid.
 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 KZRH Manila, Philippines, 4-11 a.m.
 XERF 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.
 6094 ZHJ Penang, St. Settlement, 5:10-9:10 a.m.
 6095 JZH Tokyo, Japan
 6097 ZRJ Johannesburg, U. of So. Africa, 3-7 a.m.
 HJFK Pereira, Colombia, 6-10:30 p.m.
 6100 KZRC Cebu City, Philippines, 7-8 a.m.

6110 CP2 La Paz, Bolivia, 8-10 a.m., 6 p.m.-mid.
 6100 CP2 La Paz, Bolivia, 8-10 a.m., 6 p.m.-mid.
 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.
 6117 XEUZ Mexico City, Mexico, 9 a.m.-p.m., 7 p.m.-2 a.m.
 6120 WCBX New York, N. Y., 10 p.m.-mid.
 6122 HP5H Panama City, Panama, -6:10:30 p.m.
 6125 MTCY Hsinking, Manchukuo, 7:30-9:30 a.m.
 CXA-4 Montevideo, Uruguay
 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.
 VLW Perth, Australia
 ZFY 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.
 6140 OQ2AA Leopoldville, Belgian Congo, Sl. 5:30-7 a.m.
 KZRF Manila, Philippines, 5 p.m.-10:30 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.
 6152 HI5N Moca, Dominican Rep., 6:40-9:10 p.m.
 6150 CJRO Winnipeg, Manitoba, 3:30 p.m.-1:30 p.m.
 IIRH San Jose, Costa Rica, 8-11:30 p.m.
 6155 EQB Teheran, Iran
 6160 CBFW Vercheres, P. Q., 6:30 a.m.-11 p.m.
 HJCD Ueuva Granada, Colombia, until 11:30 p.m.
 KZRC Cebu, Philippines, 5-7 p.m., 11 p.m.-12:30 a.m., 4-10 a.m.
 6165 HER-3 Schwarzenberg, Switz., 11:35-12:40 a.m., 4-4:30 p.m.
 6170 WCBX New York, N.Y., mid-2 a.m.
 ZHP-2 Singapore, St. Settlements, 6:30-9:30 a.m.
 6180 IRA-2 Buenos Aires, Argentina, 6-9 p.m., Sa., Su., 7-9 p.m.
 XEXA 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 H11A Santiago, Domin. Rep., 10:40 a.m.-1:10 p.m., 6:40-9:40 p.m.
 HVJ Vatican City, Su. 8:30-9 a.m., Su., We., 9-10:30 p.m.
 JLT Tokyo, Japan
 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 Guatemala 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 p.m.
 6245 HI1N Trujillo, Domin. Rep., 5:10-10:10 p.m.
 6255 CP12 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.
 6285 FIG Yaounde, Cameroon, at 3:30 a.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 Icas, Peru, 8-11 p.m.
 6340 HI1X Trujillo, Domin. Rep., 8:10-10:10 p.m., Su. 7:40-9:40 a.m.
 6380 TIZS Puntarenas, Costa Rica, 5-7, 7:30- p.m., Su. 5-6 p.m.
 6384 ZW 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 COCQ Havana, Cuba, evenings
 TGQA Quetzaltenango, Guat., Mo. only
 6430 HIIS Santiago, Domin. Rep., 5:40-9:10 p.m., ex. Su.
 6435 Dakar, Fr. W. Africa, at 8:15 a.m. and 3:15 p.m.
 6455 COHI Santa Clara, Cuba, 6:42 a.m.-12:15 a.m.
 6480 TGWB Guatemala City, Guat., 7:45-9 a.m., 12:45-3:45 p.m., and 5:30 p.m.-12:15 a.m.
 6500 HILL Santiago, 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 Puerta Plata, Domin. Rep., evenings
 6575 YSNL 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 Guayaquil, 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 a.m., Su. 8:30 p.m.-1 a.m., 4:30-11 a.m.
- 6730 H13C 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 H1H San Pedro, Domin. Rep., 7:9:40 p.m., Su. 5:20-6:40 p.m.
- 6850 YNOW Managua, Nicaragua, 8-10 p.m.
- 6900 H16H Trujillo, Dominican Rep., 7:40-8:40 p.m.

7000 kcs. band

- 7065 GRS London, Gt. Britain, BBC Home Service, heard 1 a.m.
- 7080 Y15KG Bagdad, Iraq, 9 a.m.-2 p.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, 12:45-1 a.m., 1:15-3 a.m.
- 7170 CR6AA Lobito, Angola, Mo., We. & Sat. 2:45-4:30 p.m.
- 7210 ... Salisbury, So. Rhodesia
- VUC2 Calcutta, India, 9:30-11 p.m.
- 7220 YDX Medan, Sumatra, 10:30 p.m.-2 a.m.
- 7230 GSW London, Gt. Britain, 12:45-1:15 a.m., 3-5 a.m., 6-10:30 a.m., 10:55 a.m.-5:45 p.m.
- 7240 VUB2 Bombay, India, 9:30-11:30 p.m.
- 7250 ZHP3 Singapore, St. Settlements, 6:30-9:40 a.m.
- YDA Batavia, Java, 10:30p.m.-2 a.m., Sa. 7 p.m. to 2 a.m.
- 7258 JVV Tokyo, Japan, 2-4 p.m.
- 7260 CSW8 Lisbon, Portugal, Tu., Th., Sa., 5-6 p.m.
- GSU London, Gt. Britain, 12:15-1:15 p.m.
- 7270 DNX Berlin, Germany
- 7285 JLG Tokyo, Japan
- 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 I2ROI9 Rome, Italy, 8-10:30 p.m.
- 7440 FG8AA 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.
- 7620 YNLAT Granada, Nicaragua, 8-10:15 p.m.
- 7660 YNDG Leon, Nicaragua, 8:30-9:30 p.m.
- 7854 HC2JSB Guayaquil, 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 CWR Rabat, Morocco
- 8030 FXE Beirut, Lebanon, "Radio Levant" 12-12:30 a.m.
- 8200 PSK Rio de Janeiro, Brazil, 5:45-7 p.m.
- 8480 NPSA Kweivang, China, at 4:00 a.m.
- 8500 ... Brazzeville, Fr. W. Africa, "Radio Club" 5:30 a.m. and 1 p.m.
- 8585 YNRS Managua, Nicaragua, until 10:45 p.m.
- 8700 COCO Havana, Cuba, 7:50 a.m.-12:5 a.m.
- 8830 COCQ Havana, Cuba, 7:30 a.m.-mid.
- 8960 TPZ2 Algiers, Algeria, 1:30-2:3 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, 7-8:00 p.m., Sa. 6-7:30 p.m.
- 9190 HC2ET Guayaquil, Ecuador, 8-10 p.m., Su. 8:30-10:30 p.m.
- 9200 COCX Havana, Cuba, 8 a.m.-mid.
- 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.
- 9345 HBL Geneva, Switz., Mo. & We., 7:45-9:15 p.m.
- 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. (hrd. on 9435 kcs.)
- 9395 FGA 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 Guayaquil, Ecuador, 8:15-10:15 p.m., ex. Su.
- 9450 GRU London, Gt. Britain, 8:45-11:30 a.m.
- OAX6D Arequipa, Peru, evenings
- 9465 TAP Ankara, Turkey, 9-10 a.m.
- 9475 VONG St. Johns, Nfld., 9 a.m.-2 p.m.
- 6492 KZIB Manila, Philippines, 10 a.m. and 6-11 p.m.
- 9500 OFD Helsinki, Finland, 1:15 p.m.*
- XEWV Mexico City, Mexico, 7:45 a.m.-12:45 a.m.
- XGOY Chungking, China, around 7 a.m.*
- 9505 CP38 La Paz, Bolivia, 8-10 a.m., 6 p.m.-mid.
- JLG2 Tokyo, Japan, 2-5:30 p.m.

9510 GSB London, Gt. Britain, 9:45-11:35 p.m., mid-3:15 a.m.*
 9517 NEDQ Guadalupe, Mexico, 1 p.m.-mid.
 9520 RV96 Moscow, U.S.S.R., 01-11 a.m.
 9520 "Y" Paris, France, 4:30-11 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.
 ... Bratislava, Slovakia, Mon. & Fr. 6-7 p.m.
 9530 V GEO Schenectady, N. Y., 3-6 p.m., 6-11:45 p.m.
 9535 JZ1 Tokyo, Japan, 7:30-8:30 p.m.
 9535 SBU Stockholm, Sweden, 3-5 p.m.
 HER4 Berne, Switzerland, evenings to 9:10 p.m.
 9538 VPD2 Suva, Fiji Islands, 5:30-7 a.p.m., ex. Su.
 9545 MTCY Hsingking, Manchukuo, at 10 a.m.*
 9550 OQ3AA Leopoldville, Belg. Con., 5:55-7:45 a.m. & 1:55-2:45 p.m.
 VUB-2 Bombay, India, 2-3:55 a.m.
 WGEA Schenectady, N. Y., 6:15-9:15 p.m.
 YDB Soerabaja, Java, 10:30 p.m.-2 a.m., Su. 7 p.m.-2 a.m.
 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.
 ... Moscow, U.S.S.R., 6-10 p.m.
 9556 OAX41 Lima, Peru, 7-8, 11:30 a.m.-1:30 p.m.
 XLEF Vera Cruz, Mexico, 7:30 p.m.-mid.
 XEF1 Vera Cruz, Mexico, 7:30 p.m.-mid.
 9560 XEFA Monterrey, Mexico, 10 a.m.-mid.
 VLW2 Perth, Australia, 8:10-9:45 a.m., 1-1:45 p.m.
 9565 RV15 Khabarovsk, U.S.S.R., 6:30-7:30 a.m., 4:30-6 p.m.
 9570 CNA2 Montevideo, Uruguay, 11 a.m.-4 p.m., 4:30-9:30 p.m.
 KZRM Manila, Philippines, 4:30-7 p.m., 11 p.m.-1 a.m., and 4-10:15 a.m.
 VUM2 Madras, India, 3-4:30 a.m.
 WBOS Boston, Mass., evenings
 9580 GSC London, Gt. Britain, 12:45-1 a.m., 1:25-2:15 p.m., 3-3:45 p.m., 4:15-5 p.m., 5:10-11:35 p.m.
 VLR Melbourne, Australia, 2:30-9, 9-9:30 a.m.
 9590 WLWO Cincinnati, Ohio, after 8 p.m.
 VUD2 Delhi, India, 1-3:30 a.m.
 VUD3 Delhi, India, 6:30-11 a.m.
 9595 ... Athlone, Ireland, 12:30-4:30 p.m., 5-6 p.m.
 9600 CB960 Santiago, Chile, 8-11:30 p.m.
 GRY London, Gt. Britain, 5:10-11:35 p.m.
 RAN Moscow, U.S.S.R., 3-7 a.m., 8:30-9 p.m.
 9605 JLP Tokyo, Japan
 9607 HP5J Panama City, Panama, 7-8 a.m., noon-1:30 p.m., 6:30-10:30 p.m.
 9615 VL Sydney, Australia, 2-2:30 a.m., 3:25-4:25 a.m., 10:30 a.m., 2-3:03 p.m.
 9620 TTPG San Jose, Costa Rica, 9-9:30 a.m., 12-2, 6-11:30 p.m.
 CXA-6 Montevideo, Uruguay
 9625 CNA6 Montevideo, Uruguay, 10:30 a.m.-1:30 p.m., 3:30-9:30 p.m.
 12RO3 Rome, Italy, 1-2 a.m., 12:07-2:35 p.m., 4:15-4:45 and 6-9 p.m.
 9630 HJCT Bogota, Colombia, 6-11 p.m.
 JFO Taihoku, Taiwan, 4-10:30 a.m.
 9635 KZRH Manila, Philippines, 5 p.m.-11 a.m.
 9636 VPD-2 Suva, 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.
 JLT-2 Tokyo, Japan
 9650 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 IRX 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.
 KGEZ San Francisco, Cal., 7-10 a.m.
 9675 DJN Vienna, Germany, 10:40 a.m.-4:25 p.m.
 Saigon, Fr. Indo China, 7:30-9:45 a.m.
 9680 VLO5 Sydney, Australia, 6:20-7 a.m.
 XEQQ Mexico City, Mexico, 5 p.m.-1 a.m.
 9685 TGA Guatemala City, Guat., 10-11:45 p.m.
 9690 LRX-1 Buenos Aires, Argentina, 10:30 a.m.-1 p.m., 2:30-3:30 p.m., 4-9 p.m.
 GRX London, Gt. Britain, 5:40-9:40 p.m., 2-5 a.m., 11 a.m.-1:45 p.m., 2-5:45 p.m.
 ZHP1 Singapore, St. Settlements, till 9:40 a.m.*
 9695 JIE3 Tyureki, Taiwan, at 9:30 a.m.*
 9696 TI-NR11 Heredia, Costa Rica, Tu., Th., Sa. 9-10 p.m., Su 7-8 p.m.
 9703 ... Fort de France, Martinique, 5:30-8 p.m.
 9710 CR7BE Lourenco Marques, Mozambique, 7-11 p.m.
 9720 XGOA Chungking, China, 7 a.m.-11:30 p.m.
 9730 CB970 Valparaiso, Chile, 7-9 a.m.
 9740 CSW7 Lisbon Portugal, 4-5:30 p.m., 5:45-8 p.m.
 9760 12RO18 Rome, Italy, 9-10:30 p.m.
 9775 ZRO ... 2:40-4 p.m.

9780 HNF Baghdad, Iraq, 9 a.m. to 2 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, Spain, 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.
 9935 SVM Athens, Greece, Not heard since German occupation
 9985 COBC Havana, Cuba, 6 a.m.-mid.

10000 kcs. band

10110 NBHU Hermosillo, Mexico, till 6:40 p.m.
 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.
 10055 NBHX Mexico City, Mexico, 6:10 a.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 PS11 Rio de Janeiro, Brazil, 6-7 p.m., Mo. 8-8:30 p.m., Fr. 7-7:30 p.m.
 10260 PMN Bandoena, Java, 10:30 p.m.-2 a.m., 4:30-10:30 a.m., 6-7:3 p.m.
 10290 DZC Berlin, Germany, 8:30-10 p.m.
 10350 LSN Buenos Aires, Argentina,
 10400 YSPA San Salvador,
 El Salvador, 6:30-11 p.m.
 11460 COCY Havana, Cuba, noon-mid.
 10545 DZD Berlin, Germany, 4:30-4:45 p.m., 8-11 p.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.
 10660 JVN Tokyo, Japan, 1:50-7:40 a.m.

11000 kcs. band

11000 PLP Bandoeng, Java, 10:30 p.m.-2 a.m., 4:30-10:3 a.m., 6-7:3 p.m.
 11040 CSW6 Lisbon, Portugal, 12-3:30 p.m., Su. 10 a.m.-5:30 p.m.
 11290 FIB Vanrae, Comeroor, at 3:10 a.m.
 11500 CLB-11 Havana, Cuba, evenings*
 11515 PZH Paramaribo, Suriname, 6:30-7:30 a.m.
 11540 HBO Geneva, Switzerland, 7:45-9:15 p.m.
 11600 PLN Bandoeng, Java, at 7 a.m.
 11616 COK Havana, Cuba, noon to midnight
 11650 XGOK Canton, China, 7-9 a.m.
 11670 Andorra, "Radio Andorra", 6:30 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.
 IOY Rome, Italy, 5:20-5:40 a.m., 1:50-2:30 p.m.
 11705 CXA-19 Colonia, Uruguay, evenings
 CBFY Montreal, Quebec, 4 a.m. to 11 p.m.
 SBP Stockholm, Sweden, 1-3 and 8-9 p.m.
 JLG-3 Tokyo, Japan,
 11710 Saigon, Fr. Indo China, 7:30-9:45 a.m.
 WLWO Cincinnati, Ohio, 5:30-8 p.m.
 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 a.m.-2 p.m.
 11720 ZP14 Villarica, Paraguay, Mo. to Fr. 4-8 p.m., Sa., Su. 11 a.m.-6 p.m.
 11725 JYW3 Tokyo, Japan, 7:30-8:30 p.m.
 11730 OQ2AA Leopoldville, 5:55-7:15 a.m. & 1:55-2:45 p.m.
 Belgian Congo,
 WPUW Boston, Mass., 5:10 p.m.
 11740 HVJ Vatican City, Su. & Th. 8-9:30 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, Gr. Britain, 6-7 a.m., 5:10-11:35 p.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.*
 11770 DJD Berlin, Germany, 4:45-7:30 p.m., 8-11 p.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., afternoons
 COCF Matanzoo, Cuba, evenings
 11800 JZJ Tokyo, Japan, 2-5:30 p.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 VZ Tokyo, Japan, 8-9 p.m.
 11820 GSN London, Gr. Britain, 6-10:30 a.m., 12:15-1:15 p.m.
 11825 CXA14 Colonia, Uruguay, 3:30-9:20 p.m.
 11830 LRA-5 Buenos Aires, Argentina, 4-4:30 p.m.
 11826 XEBR Hermosillo Mexico, 10 a.m.-4 p.m., 8-10:30 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.
 11840 VLR7 Melbourne, Australia, at midnight*
 CSW Lisbon, Portugal, 11:30 a.m.-1:30 p.m.
 11845 Paris, France, at 7:30 a.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, 5:40-10:30 a.m., 10:55 a.m.-1 p.m.
 11865 HER5 Berne, Switzerland, 8-8:30 a.m.
 11870 WBOS Boston, Mass., 4-11 p.m.
 VLQ2 Sydney, Australia, 7:40-1 a.m., 8:10-9:45 a.m., 1:10-1:45 p.m.
 11880 ZJY 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., 8:15 p.m. to 1 a.m.
 11895 CXQ-10 Montevideo, Uruguay,
 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, 1 a.m.-1 p.m., 5-10:30 p.m.
 11920 ? , Italy, "Radio Ipalia" 2-2:50 p.m., 4-4:30 p.m., 6-6:28 p.m.
 11945 CB1180 Santiago, Chile, 7-8 a.m., 4:50-11 p.m.
 FZI 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., 6-8 p.m.
 Brazzeville, Fr. W. Africa, "Radio Club" 5:30 a.m. & 1 p.m.
 12030 XGRS Shanghai, China, 7 p.m.
 12040 GRV London, Gt. Britain, 7:15-8:15 a.m., 4-4:15 p.m., 4:30-5 p.m.,
 also Noon-1:15 p.m.
 12115 ZNR Aden, Arabia, 2-6 p.m.
 12120 TPZ Algiers, Algeria, "Radio Algiers" 4-6 p.m.
 12450 HCJB Quito, Ecuador, 5-10:30 p.m.
 12490 HI-1N San Pedro, D. R., till 9:10 p.m.

13000 kcs. band

- 13066 Reval, Estonia, "Radio Reval" at 3 p.m.
 13355 Dakar, Fr. W. Africa, at 8:15 a.m.
 13900 YNDG Leon, Nicaragua, Su. 2:50 p.m.*

14000 kcs. band

- 14460 DZH Berlin, Germany, 4-8 a.m.
 14600 JVH Tokyo, Japan, 7-9 a.m.
 14630 PLJ Bandoeng, Java, We. 6:45-8:15 p.m., 8:40-10:15 p.m.
 14635 HBJ Geneva, Switzerland, 7-10:50 p.m.
 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

- 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. & 6:30 a.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 WRUL Boston, Mass., 7:15-11 p.m.
 15135 JLU-3 Tokyo, Japan, 8-9:30 a.m.
 15140 GSE London, Gt. Britain, 7:15-11:30 a.m.
 15150 WNBI New York, N. Y.,
 YDC Bandoeng, Java, 10:30 p.m.-2 a.m., 4:30-10:30 a.m., 6-7:30 p.m.
 15155 SBT Motala, Sweden, 1-3 and 8-9 p.m.
 15160 DXS Berlin, Germany, till 10:45 a.m.
 JZK Tokyo, Japan, 8-10 p.m.
 15165 CP+3 Tupiza, Bolivia, 6-9:30 p.m.
 15170 TGWA Guatamala City, Guat., 12:45-3:45 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., 10-10:50 a.m., 7:30-8 p.m., 9-10 p.m.
 GSO London, Gt. Britain, 7:15-8:15 a.m.
 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.
 15210 RV96 Moscow, U.S.S.R., 6-8 p.m. and 9-10 p.m.
 15220 PCI2 Amsterdam, Netherlands, mornings and evenings.

15225 JLT-3 Tokyo, Japan,
 15230 12RO-14 Rome, Italy, at noon
 15240 YUF Belgrade, Yugoslavia, To South America
 YUG Belgrade, Yugoslavia, To North America
 Paris, France, noon-2 p.m.
 15250 CR7BD Lourenze Marsues, Mozambique, 4:30-6:30 a.m., 9:30-11 a.m.,
 Noon-4 p.m.
 WRUL Boston, Mass., 10-11 a.m., ex. Sa., Su.
 15260 GSI London, Gt. Britain, 10:30-10:45 a.m. Sun.
 15270 WLWO Cincinnati, 8-11 a.m.
 WCAB Philadelphia, Pa., Noon-5 p.m.
 WCBX New York, N. Y., 7 a.m. to noon
 15280 DIQ Berlin, Germany, 12:05-11:10 a.m.
 15290 VUD3 Delhi, India, 9:05 p.m.-mid., 1-4:25 a.m.
 15290 LRU Buenos Aires, Argentina, 8-10 a.m.
 15300 12RO-6 Rome, Italy, Noon-1:15 p.m.
 CXA-13 Montevideo, Uruguay,
 15310 GSP London, Gt. Britain, 10-10:55 a.m., 2:30-5 p.m.
 YDB Soerabaya, Java, 4:30-10:30 a.m., 6-7:30 p.m.
 15315 VI.Q3 Sydney, Australia,
 15320 WRUL Boston, Mass.,
 15325 JLT3 Tokyo, Japan, 9-10:30 p.m.
 15330 WGEA Schenectady, N. Y., till 5 p.m.
 15340 DIR Berlin, Germany, mid-11 a.m., 5-10:50 p.m.
 15360 D2G Berlin, Germany, mid-2:10 a.m.
 WRUW Boston, Mass., afternoons
 15410 RV96 Moscow, U.S.S.R., 5-7:30 a.m., 9:10:30 p.m.
 15590 12RO-17 Rome, Italy, at 7:45 a.m.

(Continued from page 11)

WDXA moves

in transmitting....There are now nearly 2000 television sets in the New York area....CKFX cannot be heard by Gerald Stoneman of Chilliwack, B. C., though they are only 60 miles away!....Gerald says his brother in Dawson, Alaska, has heard a German station on 800 k/c throughout the winter, together with many Russian and Japanese stations on other frequencies, using only a six-tube Philco!

The new address of the World DX Alliance, according to Erick R. Johnson, Director, is P. O. Box #2, Wakefield Station, New York City. The club was formerly in Perth Amboy, N. J. The World DX Alliance issues a mimeograph bulletin every two weeks during the active season, a sample of which is offered by the club for a 3c stamp.

LIST OF REPORTERS

RF	Your West Coast Editor
R21, Sask.-1	Paul Sampson
R636	Norman L. Maguire
R1043	William S. Petty,
R1098	Ted E. Matzen
R1151	Robert Brown,
R1200, N.Z.3	Arthur Cusben,
R1507	Harold Baxter,
R1539	James A. Dagg,
R1849	Allen G. Hooker,
R1871	Eugene S. Allen
R1905	Forrest L. Webb
R1919	George J. Hiss,
R2076	Kingdon Davidson,
R2077	Charles Benedict
R2132	Edward Heaney,
R2226	Fred A. Anderson,
R2292	Gerald Stoneman,
	Hugh Curtis,
	Geo. Deligiamis,
	Coropal Chas. E. Lannon,
	Mel Oliver,
	Mason B. Patten,

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**105 Highland Street
 Worcester, Mass.**

To Radex Readers

An important message from your new editor

You have asked, begged, and repeatedly requested a return to a monthly RADEX, a RADEX with better quality paper, a RADEX with more and better pictures! We, of RADEX, have devised a method whereby we can give you all of these things, and then some! But the plan hinges upon the co-operation of every loyal RADEX reader—especially the readers who have been buying RADEX on the newsstands.

Experience has taught us that it is impossible to publish monthly issues and offer RADEX on the newsstands without incurring a substantial financial loss. This is due to the extremely high percentage of returned copies as explained in the January 1940 issue with which issue the bi-monthly plan was placed into operation. It is possible to revert to more frequent issues by offering RADEX by subscription only. The publishers have hesitated for some time in making this change, but the demand for more frequent issues is so great that they feel compelled to do it in the best interests of DX fans. Moreover, the money saved on waste newsstand copies (which no longer need be printed) will be used to produce a very much better magazine on a greatly improved quality of paper.

Accordingly, the publishers make this announcement: Beginning with the next issue (November) and in the future, a greatly improved RADEX will be available only by annual subscription or direct by mail from our circulation office. It is hoped that you will place your subscription with us early so that we may include a copy of all future issues of RADEX for you in our order to the printer.

The schedule of publication for a complete year will include an issue for each of the months of November, December, January, February, and March, with a Spring issue for April

and May, a Summer issue for June, July, and August, and a Fall issue for September and October. This makes a total of eight issues a year for which there will be a subscription price of \$2.00 in the U. S. A. (\$2.40 in Canada, \$2.50 elsewhere). Single copies will cost 30c (35c in Canada and elsewhere) and should be ordered one month in advance to assure delivery. Those who now have subscriptions will, of course, receive the full number of issues due them.

In the eight issues of RADEX you will be given a better appearing magazine with greatly improved typography and halftone illustrations which the use of a fine grade of white paper will permit. Articles by your editor, and such well liked writers as Melvin Fisher and Owen Callin will be featured along with contributions from well known DXers.

Besides continuing the present features of RADEX your editor, in assuming his new duties, is in a position to announce that very soon many new features will be inaugurated in RADEX. Of prime importance will be the return of the popular monthly feature—the Calendar of DX programs. This calendar will be augmented to contain all regular test and FCC monitoring programs as well as special DX programs.

Our aim is goodwill and fellowship between DXers of the world and the radio stations, and between the present existing radio clubs and our own RADEX Club. We propose a much more active RADEX Club, with chapter activity, national officers and committees, etc. In conjunction with this such supplies as stationery, club buttons, seals, and report forms will be made available to club members at nominal prices to cover cost including handling. Other DX clubs will be allowed the use of the pages of RADEX for news items concerning their

own club activities and if they so desire may become affiliated with the RADEX Club as a branch club without losing any of their own identity. We invite the co-operation of everyone in making RADEX a better magazine of greater service to you and to all DXers.

FM and Television will receive our utmost attention. The former is already being featured in a new department in RADEX and as Television progresses, articles on this new phase of radio will appear in RADEX.

Our indices will remain as they are and will be revised monthly. The standard broadcast indices will be gradually made to include every station in both Americas. Our short-wave indices will contain the most accurate listing of world wide shortwave stations, as well as the most complete. An FM station list will be revised monthly, and other lists such as European stations, Trans-Pacific stations, and other foreign stations will be used during the active DX season. These briefly, are some of the things which your editor is undertaking to give you and which you can expect to see in the new RADEX.

For a better RADEX, a more easily read RADEX, and a RADEX offering you the latest news every month during the DX season, we need the co-operation of every loyal reader. Think of the convenience of having RADEX come right to your door every month instead of having to shop for it! We should have your subscription or mail order immediately in order to estimate the number of copies we must print. Will you please cooperate by sending it now. Thanks! Your editor knows RADEX readers, and expects that our printers will have to keep the presses rolling over-time to supply the demand.

There you have the plan that we've decided upon to give you the better service that you have requested. What say, DXer, are you with us? Please use the subscription blank on page 96 and the return addressed envelope enclosed with this magazine.

—Ray La Rocque, Editor

"No Room On Ether For 'Pranksters' Or 'Dumbsters' ", Says F.C.C.

In continuing to run down illegal radio operators, the Federal Communications Commission points out that the present emergency invites serious complications for the "prankster" or operator who does not conform to requirements. Further, the Commission reiterates that the ether highways are now so effectively patrolled that trespassing or erratic driving thereon is quickly detected.

Of particular concern to the Commission is a mistaken notion that the ultra-high frequencies are open to transmission without license or regulation. The fact is that some of our most vital safety services are assigned to this particular part of the radio spectrum. Included are police communication systems and aircraft navigation aids.

"I didn't know I had to have a license, since my low-powered transmitter can't be heard outside of my State," is one frequent explanation. It is an established engineering fact that any radio signal will at times have effects which extend beyond the borders of a State, or interfere with reception of interstate communications. The courts have held that a radio signal is interstate in character and that the Communications Act applies to all radio emissions intended for reception. Accordingly, any person operating a radio transmitter must be licensed by the Commission.

When the Commission's monitoring service notes the presence of a suspicious signal and the field division is put to work tracing its origin, there is no way of knowing whether the case will develop subverse aspects or prove to be an ordinary violation. However, defense ether-policing requires each and every case to be investigated. This entails considerable expenditure of public money and time.

If after much effort, it is determined that the offense is a minor one, routine proceedings are instituted against the

culprit. Should the case have more serious aspects, it is turned over to some other agency. But the fact remains that under present conditions every violator is subjected to inquiry and penalty.

The imprudence of trifling with the ether patrol is well illustrated in the case of a student at a certain western university who thought it was "fun" to hold telephone conversations with a monitoring station and imply that he was one "Edgar Von Spiegel" engaged in mysterious activities. The upshot was that he was apprehended, detained in jail for 24 hours for questioning, and released with a warning after he had signed a confession in which he admitted that he had been "very foolish" to engage in such a stunt.

Strange signals appearing in the ether lanes were recently traced by the Commission's Defense Operations Section to Swainboro, Ga., and Springfield, Mass. They proved to be simple cases of unlicensed operation. In the case of Ed Schrader of Georgia, he pleaded guilty before a United States Commissioner and was released on a \$1000 bond. At Springfield, Mario La Zazzera had to post a bond of like amount.

LATE FLASH

Paramaribo, Dutch Guiana (Suriname)
—CLX is the call of the new station being heard on 12156 kcs. by many DXers! Station can be addressed at Government Office, Paramaribo, Dutch Guiana. Signals are directed to B.B.C. in London, probably for relay to the Netherlands. This item from Dick Mert of Akron, Ohio supercedes all previous reports in the "Round the World" section, which have this station as a new frequency for PZH!

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FCC "Fan Mail"

Letters from radio listeners are received by the FCC regularly. Some of these are answered in the course of regular business. Others, unaware of the limited powers of the body, ask many odd favors, and some of them make humorous reading.

Take the case of a Long Island man who requests that the commission make all radio stations play the National Anthem at sunset. . . . A New York firm suggests that war commentaries be referred to a Government committee prior to transmission by radio. . . . A Niagara Falls speechstickler insists that radio announcers be made to use correct pronunciation. . . . An Ysantilanti woman wants the FCC to obligate all broadcast stations to rebroadcast her favorite newscast.

A Washington, D. C. radio fan requests that the FCC do something about his neighbor's radio which is on until 2 a.m. . . . A California woman attributes her illness to television and other radio signals which permeate her home and person!

A Massachusetts man desires to utilize radio in order to control a bell signal from his house to garage. . . . The FCC has granted Edgar Bergen a license to operate a radio in his private plane. . . . Call letters are KHBCM! The last two letters, by pure coincidence are Charlie McCarthy's initials.

The commission informed a New York listener that it can do nothing to suppress a certain news commentator from using the term "and thirty" at the conclusion of his broadcasts. It goes on to explain, though, how the use of the term came about.

The term means "that is all," "the end", or in this particular case, "good-night". It is said to have originated in the following manner; In the early days of news reporting, Washington correspondents wrote by long hand,

and their copy was transmitted by telegraph. Operators at the receiving end had to make a dozen copies of the dispatch. To mark the end of an item they adopted the symbols "XXX". Since three X's constitute the Roman numerals for "30", this practice was not only popularized by telegraphers, but by copy desk men as well. By the same token, the following numerals have special significance to old time telegraphers: "4" (where?); "8" (wait); "13" (understood); "19" (rail-road order); "31" (other order); "73" (best regards); and "22" (kisses)!

"73" was universally adopted by radio hams who also have a term for love and kisses—"88"!



Clever SWL card belonging to George J. Grunert.

F.C.C.'s National Defense Operations as Guardians of the Ether

Though highly complicated to the layman, the technique employed by the Federal Communications Commission in policing the ether lanes, now a 24 hour duty in connection with National Defense, is familiar to radio engineers.

To understand HOW the commission patrols the ether, it is first necessary to know WHY this is done.

To begin with, the other highways have their own particular traffic problems. Their increased use has made them as congested as much-traveled as land highways. So it is essential to have traffic regulations on both.

Consequently, the various type of transmissions are assigned particular ether lanes in which to travel. If one signal strays over its assigned "white line" there is a collision with and confusion to other services. Likewise, if a transmission appears in the ether paths without identifying call letters it is as quickly spotted as any auto without license plates trying to traverse land highways.

The Commission polices this ether traffic mainly through primary "monitoring stations". These stations are really "listening posts" which, because of their geographic locations, can "hear" over the entire nation.

"Monitoring" to see that radio transmissions obey ordinary ether traffic rules has been a practice since the early days of radio regulation. However, normal functions of the Commission have now been augmented to meet national defense requirements. This supplemental duty is in charge of the FCC's National Defense Operations Section, which was established July 1 of last year. Existing monitoring facilities also record foreign short-wave broadcasts for a special Commission unit, which translates and analyzes the program so intercepted.

Each FCC monitoring station, in effect, patrols a particular ether "beat". Oftentimes such a station will itself spot an unlawful transmission. At other times suspicious signals are reported by broadcasters and other licensees — often by amateurs, who do an excellent job of policing their own bands.

No signal is too weak for a monitoring station to pick up and record. When a strange or "reckless driver" is detected on the ether lanes, "direction-finding" apparatus is called into play to trace the culprit.

Sometimes three or more stations will collaborate in thus getting a bearing on the suspicious signal. Their beams are plotted on a map. Eventually and inevitably two lines will cross. This point, or "fix", marks the

general location of the sending set under surveillance.

The final task of running down the offender is performed by FCC monitoring officers. Such men, highly skilled in radio engineering and radio operation, are assigned to monitoring units dispersed strategically throughout the United States and its possessions. For obvious reasons, locations of such auxiliary "ears" are not made public.

These monitoring posts are provided with automobiles, to all external appearance ordinary cars but which are fitted with the latest and most efficient type of detection equipment. Included are direction-finders, all-wave receivers, and recorders. All this apparatus can be operated from the car's battery while the auto is in motion or, upon being removed from the machine, from the power supply of a dwelling, tourist camp, store, etc.

Operation of the mobile equipment follows much the same procedure employed by the monitoring stations in the first instance. Directional beams finally "fix" at the exact location of the transmitter in question. Even if the hunt narrows to an apartment house, hotel, or other large building, an FCC officer can, by using a device concealed in his hand or in his pocket, proceed from floor to floor, and from door to door, and so determine the exact room in which the illegal equipment is being used.

Thus, as George Creel commented in a recent issue of Collier's, "the Federal Communications Commission has worked out a system by which it polices the ether as methodically and efficiently as a policeman patrols his beat."

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AMATEUR FREQUENCIES TO BE SHIFTED TO MILITARY USE

So that adequate protection through the use of radiocommunication may be given the many thousands of military pilots undergoing training to serve the nation's augmented air force, the Federal Communications Commission is notifying amateurs that 300 kilocycles in one of the bands normally allocated to amateur use will be assigned for this important national defense purpose.

The frequencies in which amateur operation will give way to the military are from 3650 to 4950 kilocycles. To cause the least interference to amateurs, these frequencies will not be immediately withdrawn, but will be transferred by degrees between September and March next.

In order to provide the widest possible development of amateur activities, the Commission intends to rearrange the amateur allocations so as to make additional frequencies within the remaining amateur bands available for amateur radiotelephone. In that way, although the amateurs temporarily vacate some other space, opportunity will remain for their valued service in developing all forms of radiocommunication.

The Commission stresses that temporary military use of the 300 kilocycles is made necessary by the national emergency. It expresses high appreciation of the amateurs and counts upon their long-manifest patriotism for effective cooperation with the Government in this situation.

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The World's Radio Stations

5770	TG25	C	Mobile in Guatemala.
5780	CMAS	C	1000	Havana, Cuba. Cuba Transatlantic Radio Corp.
	CYC	T	....	Obispo Aguiar.
	HRH	C	400	Amos, P. O. Canadian National R. R.
	PVA2	C	....	Tela, Honduras. Tela R. R. Co.
5790	JVU	C	10000	Abaete, Para, Brazil.
	TG25A	C	100	Nazaki, Japan.
	TG25E	C	100	Portable in Guatemala. Casa Presidential.
	CLA	T	....	Portable in Guatemala. Same as TG25A.
5795			....	Barriefield, Ont. Dept. of Nat'l. Defense. Dominion Gov't.
5840	CJS	C	....	Butedale, B. C. Canadian Fishing Co. Ltd.
	HRB3	C	400	Tegucigalpa, Honduras. Tropical Radio Teleg. Co.
5820	CEC	T	....	Santiago, Chile. Gia. International de Radio, Casilla 16-D.
5830	TDD	T	20000	Shinkio, Manchukuo. Man. Teleg. & Teleph. Co.
5832½	CIP8	T	....	Calgary, Alta. Dominion Gov't.
5850	WOB	C	....	Lawrenceville, N. J.
5880	IUA	C	....	Addis Abada, Italian East Africa.
5887½	KAFF	FA	50	Sioux Falls, S. Dak. Aeronautical Radio, Inc.
5890	JIC	C	....	Taihoku, Japan.
5895	HRO	C	400	Warunta, Honduras, Marc Bunell.
5930	PWH	C	....	Abrolhos, Brazil.
5950	CPO6	C	....	Druro, Bolivia.
5970	TDF	C	....	Shinkio, Manchukuo. Man. Teleg. & Teleph. Co.
5976	KNR	C	....	Clearwater, Calif. Mackay Radio & Teleg. Co.
5985	HRO2	C	400	Warunta, Honduras. Marc Bunell.
	ILR	T	....	Tokyo, Japan. Nippon Hoso Kyokai, Shiba-ku.
	JZP	T	....	Tokyo, Japan. Nippon Hoso Kyokai, Shiba-ku.
6095	KHAGH	A	50	NC-14947. Lt. Col. G. H. Hutchinson, Baltimore, Md.
6180			....	Nazaki, Papan. Nippon Hoso Kyokai, Shiba-ku. Tokyo.
6190	JLT	T	....	NC-14947. Lt. Col. G. R. Hutchinson, Baltimore, Md.
	KHAGH	A	50	Allocated as an aircraft calling and working frequency for use by non-scheduled aircraft on a world-wide basis.
6120			....	NC-14947. Lt. Col. G. R. Hutchinson, Baltimore, Md.
	KHCIS	A	30	NC-10795. Star Air Lines, Inc.
	KHCYI	A	100	NC-18997. American Export Airlines.
	KHCXY	A	10	NC-22580. State of Maine, Dept. of Inland Fisheries and Game, Augusta, Me.
	KHDDT	A	35	NC-20953. New York Daily News, NYC.
6385	WO9	FA	....	Mitchell Field, L. I., N. Y.
6390	CON	G	....	Havana, Cuba. Press & Cultural Dept., Cuban Army.
6425	CY2Q	C	....	Atlin, B. C. B. C. Provincial Police.
	CZC	P	....	Bralorne, B. C. Same as CY2Q.
	CZ7A	C	....	Alert Bay, B. C. Same as CY2Q.
	KDKA	....	....	Los Angeles, Calif. James Wallington, CBS, Columbia, Square.
	KHRII	RB	100	NC-19904. Howard R. Hughes, New York City.
	KRTA	E	125	Snow Cruiser, Little America. Byrd Antarctic Expedition.
	KRTC	E	125	East Base, Little America. Same as KRTA.
	KRIK	E	125	West Base, Little America. Same as KRTA.
	KSFM	RB	....	New York, N. Y. NBC, Inc.
	K6XAK	GE	1500	Kaena Point, Oahu, T. H. Globe Wireless, Ltd.
	WNBM	RR	....	New York City, NBC, Inc.
	W2XGB	B	10000	Hicksville, N. Y.
	W4ND	RB	2	Raleigh, N. C. WPTF Radio Co.
	W4XID	E1	50	W. Palm Beach, Fla. Gray Radio Co.
	W6XOW	GE	1000	Palo Alto, Calif. Standard University.
	W6XNT	GE	5009	Portable. Press Wireless, Ltd.
	W7NBA	E	15	Portable. Northern Radio Co.
	W7NEY	E1	60	Seattle, Wash. Radio Labs., Inc.
	W7NEZ	E1	60	Seattle, Wash. Same as W7NEY.
	W7XUK	GE	10	Portable. W. Va. Univ. Dept. of Physics.
	W8XUL	GE	10	Portable. Same as W8XUK.
	W9NEL	GE	400	Lake Bluff, Ill. Thorne Donnelly.
	W10XDA	E1	109	"Effie M. Morrissey." Donald Elias Clark, New York City.
	W10SJF	E	....	Yacht "Mako." Thorne Donnelly.

	W10XJJ W10XKG	GE E2	25 75	Portable. Harvey Radio Labs., Inc. Tow Boat "Alex Mackensie." Radioamrine Corp. of America. New York City. CBS, Inc. Lorain, Ohio. Lorain County Radio Corp. Madison, Wis. Aeronautical Radio, Inc. Tokyo, Japan. Haneda Airdrome. Winslow, Ariz. Aeronautical Radio, Inc. Wichita, Kans. Same as KGTA. Transcontinental & Western Air, Inc. Burbank, Calif. Same as KGTA. Kansas City, Mo. Same as KGTA. Amarillo, Tex. Same as KGTA. Albuquerque, N. Mex. Same as KGA. Albany, N. Y. Same as KGTA. NC-21750. Canadian-Colonial Airways, Inc. NC-21750. Canadian-Colonial Airways, Inc. Tanan, Alaska. Pacific Alaska Airways, Inc. Brownsville, Texas. Pan-American Airways, Inc. Fairbanks, Alaska. Harold Gillman. Corpus Christi, Texas. Aeronautical Radio, Inc. Brownsville, Tex. Same as KBLC. NC-552-N. Peck & Rice Airways, Bethel, T. A. NC-10795. Star Air Lines. Memphis, Tenn. Same as KBLC. Birmingham, Ala. Same as KBLC. Muscle Shoals, Ala. Same as KBLC. Beaumont, Tex. Same as KBLC. Charlotte, N. C. Same as KBLC. Philadelphia, Pa. Same as KBLC. Tampa, Fla. Same as KBLC. Brownsville, Tex. Aeronautical Radio, Inc. Memphis, Tenn. Same as KBRN. Charlotte, N. C. Same as KBRN. Tampa, Fla. Same as KBRN. Mau Airport, Hawaii. 125 watts on code. 50 watts on voice. Inter-Island Airways, Ltd. Yacht "Mako." Thorne Donnelley. Ketchikan, Alaska. Maracay, Venezuela. Tawau, British North Borneo. Sandakan, British North Borneo. Broken Hill, NSM, Australia. Australian Aerial Medical Service. Kldat, Brit. North Borneo. Bolinas, Calif. Lahad, Batu, Brit. North Borneo. Jesselton, Brit. North Borneo. Lawrenceville, N. J. Boiling Field. Shinkio, Manchukuo. Manchukuo Teleg. & Teleph. Co. Havana, Cuba. Cuba Transatlantic Radio Corp., Obispo y Aguiar. Batedale, B. C. Canadian Fishing Co., Ltd. Bolinas, Calif. R.C.A. Communications, Inc. Bolinas, Calif. R.C.A. Communications, Inc. Bolinas, Calif. R.C.A. Communications, Inc. Rugby, Gt. Britain. G.P.O. (Radio Section), Armour House, St. Martins le Grand, London E.C.1. Tacubaya, D. F. Servicio Meteorologico Mexi- Rugby, Gt. Britain. G.P.O. (Radio Section). cano Armour House, St. Martins le Grand, London E.C.1. Port Hedland, Australia. Australian Airways Medical Service. Calgary, Alta. Dominion Gov't. Havana, Cuba. Observatorio Nacional, Casa Blanca. United States and Canadian amateurs use code only in this band. Most other countries use voice. Oruro, Bolivia. West Base, Little America. 500 watts on CW. 400 watts on voice. Byrd Antarctic Expedi- tion. East Base, Little America. See above. Byrd Snow Cruiser, Little America. See above. Spanish Morocco.
6430	WCBN	RB	....
6470	WMI	...	....
6490	WAZM	FA	200	
6500	J2AA	FA	....
6520	KGTA	FA	....
	KGTD	FA	....
	KHCGK	A	....
	KIS	FA	....
	KST	FA	....
	KSV	FA	....
	KSX	FA	2500	
	WSDM	FA	....
6540	KHCOR	A	50	
	KHCQS	A	50	
6570	KIQA	FA	20	
6580	KGIW	FA	....
6590	KAZV	FA	100	
	KBLC	FA	50	
	KBRN	FA	3000	
	KHCFI	A	30	
	KHCIS	A	30	
	WAHY	FA	1000	
	WAHZ	FA	50	
	WARS	FA	50	
	WEEL	FA	50	
	WOET	FA	1000	
	WPAE	FA	50	
	WSTM	FA	400	
6600	KBRN	FA	3000	
	WAHY	FA	1000	
	WOET	FA	1000	
	WSTM	FA	400	
6610	KAJQ	FA	....
	WOQK	S	100	
6662	WXH	G	....
6672	YVQ	T	....
6680	VQC	...	....
6685	VOB3	...	....
6690	VK8SK	...	....
6690	VQD	...	....
6710	KEF	C	....
6720	VSR	...	....
6730	VQA4	...	....
6755	WOA	C	....
6760	...	G	....
6762	TDA	T	20000	
6790	CMA5	C	1000	
6825	CJS	C	....
6845	KEN	C	....
6860	KEL	C	....
6890	KEB	C	....
6905	GDS	T	15000	
6915	XBA	GEO	....
6950	GBY	T	....
6960	VK8SC	...	....
7980	VBV6	C	....
6995	CLX	...	250	
	7000 to 7300 AMATEURS			
7060	CPQ7	C	....
7075	KC4USA	...	....
	KC4USB	...	....
	KC4USC	...	....
7100	EA9BJ	...	....

7222	YV9AB	...	....	In Venezuela on Guiana-Brazil Border. Expedicion Tecnico de Minería y Geología, Ministerio de Fomento, Caracas.
7284	YV9AB	...	....	In Venezuela on Guiana-Brazil Border. Expedicion Tecnico de Minería y Geología, Ministerio de Fomento, Caracas.
7460	CYG	FA	....	Cranbrook, B. C. Trans Canada Air Lines.
7475	CPP6	C	....	Viacha, Bolivia.
7480	CPP3	C	....	La Paz, Bolivia.
	WQPS	SP	....	Springfield, Ill. State of Ill. Div. of Highways.
	WQPX	SP	....	Portable. Same as WQPS.
7495	JYY	C	....	Tokyo, Japan.
7510	JVP	B	50000	Tokyo, Japan.
7520	KKH	B	10000	Kahuku, Hawaii. R.C.A. Communications, Inc.
7532	HJA3	C	....	Bogota, Colombia.
7555	WOZ	C	80000	Lawrenceville, N. J.
7565	KWY	C	....	Dixon, Calif.
	WDJ	C	20000	Ocean Grove, N. J. American Teleph. & Teleg. Co.
7570	TDG	C	....	Shinkio, Manchukuo. Man. Teleg. & Teleph. Co.
7610	KWX	C	40000	Dixon, Calif.
7620	IUB	...	....	Addis Ababa, Italian East Africa.
7650	CPQ2	C	....	La Paz, Bolivia.
7700	TYC2	T	....	Ste. Assise, France. L'Engenieur en Chef, Directeurs de Service de la Telegraphic sans Fil. 5 rue Froidevaux (14c) Paris.
7715	KEE	C	40000	Bolinas, Calif.
7750	CMA5	C	....	Havana, Cuba.
7805	WQPS	SP	....	Springfield, Ill. State of Ill. Div. of Highways.
	WQPX	SP	....	Portable. Same as WQPS.
7810	CIA	T	....	Barricheld, Ont. Dept. of Nat'l Defense, Dominion Gov't.
7865	HRU3	C	400	Puerto Castilla, Honduras. Tela R. R. Co.
	YBB	C	....	Palembang, Sumatra. N.E.I. 4th Telegraph and Teleph. District.
7901	LSL1	T	....	Buenos Aires, Argentina. Cia. International de Radio, S. A., Defensa 143.
7920	GDP	T	....	Rugby, Gt. Britain.
7935	KGPX	ZP	....	Denver, Colo. City and County of D.
	KQEI	MP	....	Tulsa, Okla. City of T.
	WPDY	MP	....	Atlanta, Ga. City of A.
	WPEC	MP	....	Memphis, Tenn. City of M.
	WQPS	SP	....	Springfield, Ill. State of Ill. Div. of Highways.
	WQPX	SP	....	Portable. Same as WQPS.
7968	WSJ	C	....	Bangkok, Thailand. Post and Telegraph Dept.
7970	HRE2	C	400	Tegucigalpa, Honduras. Tropical Radio Teleg. Co.
	NGL	C	....	Shanghai, China.
7985	HRH2	C	400	Tela, Honduras. Tela R. R. Co.
8015	HAZV	FA	100	Fairbanks, Alaska. Harold Gillman.
	KFRA	FA	100	Flat, T. A. Star Air Lines, Inc.
	KFRD	FA	100	Candle, T. A. Same as KFRA.
	KIQA	FA	20	Tanana, T. A. Pacific Alaska Airways, Inc.
	VEZ	FA	....	Burwash Landing, Yukon Territory. Dom. Gov't.
8025	PVA3	...	....	Alcobaca, Para, Brazil.
8050	WXA	...	....	Juneau, Alaska.
8055	PVA3	...	....	Alcobaca, Para, Brazil.
8070	KAEW	...	....	Umnak, Alaska.
	KAJJ	T	....	Atka, T. A. Territory of Alaska.
	KAQF	...	....	Unalaska, T. A.
8075	WEZ	C	....	Rocky Point, N. Y.
8095	VLK	...	....	Sydney, NSW, Australia.
8108	PVA3	...	....	Alcobaca, Para, Brazil.
8110	K7NFO	SE	150	Anchorage, Alaska.
	K7XFR	SE	150	Ketchikan, T. A. Alaska Aeronautics and Communications Commission.
	K7XES	SE	150	Ketchikan, T. A. Same as K7XFR.
	K7XFU	...	....	Juneau, T. A. Same as K7XFR.
	K7EGG	SE	150	Cordova, T. A. Same as K7XFR.
	K7NGH	SE	150	Gravina Island, T. A. Same as K7XFR.
	K7XG1	SE	150	Ralston, T. A. Same as K7XFR.
8130	KBRN	FA	3000	Brownsville, Tex. Aeronautical Radio, Inc.
	K7XFU	...	....	Juneau, Alaska. Alaska Aeronautical and Communications Commission.
	WAHY	FA	1000	Memphis, Tenn. Same as KBRN.
	WOJF	FA	1000	Charlotte, N. C. Same as KBRN.
	WSIM	FA	400	Tampa, Fla. Same as KBRN.
8210	HRD	FA	14	Toncontin, Honduras. Pan-American Airways.
8220	KINH	FA	40	Ketchikan, Alaska. Pacific Alaska Airways, Inc.
	KINL	FA	....	Juneau, T. A. Same as KINH.
	KIQA	FA	20	Tanana, T. A. Same as KINH.

8233	W4XIJ	FA	1000	Coral Gables, Fla. Pan-American Airways, Inc.
8240	WPAC	FA	....	Grand Falls, Newfoundland. Nfld. Airport, Squadron Leader H. A. L. Pattison.
8280	KHAGH	A	50	NC-14947, Lt. Col. G. H. Hutchinson, Baltimore, Md.
8415	KHCIV	A	100	NC-18997, American Export Airlines.
	CLX	...	250	Havana, Cuba. Observatorio Nacional, Casa Blanca.
8543	IBG1	S	....	S. S. "Conte Verde."
8555	PWH	...	....	Abrolhos, Brazil.
8560	WOO	T	20000	Ocean Gate, N. J. American Teleph. & Teleg. Co. Long Lines Dept., 32 Sixth Ave., NYC.
8570	VEW	C	....	Calgary, Alta. Dominion Government.
	PHF4	C	....	Panama City, Panama.
8620	WVD	T	....	Seattle, Wash. Alaskan Telephone Co., 517 Federal Office Bldg.
8630	CMA5	T	1000	Havana, Cuba. Cuba Transatlantic Radio Corp., Obispo y Aguiar.
	VJI	SEM	....	Cloncurry, Qsld., Australia. Australian Airways Medical Service.
	VWQ	OFA	....	Northwest River, Labrador. Newfoundland Skyways, Ltd.
8653	W8XUK	GE	10	Portable. W. Va. University Dept. of Physics.
	W8XUL	GE	10	Portable. Same as above.
8655	KDKC	...	....	Los Angeles, Calif. James Wallington, CBS, Columbia Sq.
	KHRH	RB	100	NC-1994, Howard R. Hughes, NYC.
	KSEF	RB	....	New York City, NBC, Inc.
	K6XAK	GE	1500	Kaena Point, Oahu, T. H. Globe Wireless, Ltd.
	WCBN	RB	....	New York City, CBS, Inc.
	W9BM	RB	....	New York City, NBC, Inc.
	W2XYR	GE	125	Wilmington, N. Y. Whiteface Mountain Meteorological Observatory.
	W4XID	E1	50	W. Palm Beach, Fla. Gray Radio Co.
	W6XQW	GE	1000	Palo Alto, Calif. Stanford University.
	W6XXT	GE	5000	Portable. Press Wireless, Ltd.
	W7XBA	E	15	Portable. Northern Radio Co.
	W7XE7	E1	60	Seattle, Wash. Radio Labs., Inc.
	W7XEZ	E1	60	Seattle, Wash. Radio Labs., Inc.
	W9XE1	GE	40	Lake Bluff, Ill. Thorne Donnelly.
	W10XDA	E1	100	"Effie M. Morrissey." Donald Elias Clark, New York City.
	W10XJJ	GE	25	Portable. Harvey Radio Labs., Inc.
8680	GBC	T	....	Rugby, Gt. Britain.
8690	VK8US	SEM	....	Alice Springs, Australia. Australian Airways Medical Service.
	VWZ	T	10000	Kirkee, Poona India. Indian Radio & Cable Communications Co., Poona 6.
8710	KBB	C	....	Manila, Philippines.
8720	CFU	C	....	Annable, B. C. Canada. Consolidated Mining & Smelting Co.
	CZ5Y	C	....	Anyox, B. C. Same as CFU.
8730	GCI	C	....	Rugby, Gt. Britain.
8740	WXV	T	....	Fairbanks, Alaska.
8750	VK8UB	SEM	....	Kalgoorlie, W. A., Australia. Australian Airways Medical Service.
8770	ICEJ	S	....	S. S. "Rex." Italian Lines, 1 State St., NYC.
8790	WWMA	G	....	Detroit, Mich. U. S. Immigration Border Patrol.
	WWMB	G	....	Buffalo, N. Y. Same as WWMA.
	WWMD	G	....	Derby Line, Vt. Same as WWMA.
8798	HKV	...	....	Bogota, Colombia.
8810	IBLI	S	....	S. S. "Conte di Savoia." Italian Lines, 1 State St., NYC.
8820	HCJB	B	1000	Quito, Ecuador.
	WOGK	S	100	Yacht "Mako." Thorne Donnelly.
	VK8SI	SEM	....	Wynham, Australia. Australian Airways Medical Service.
8840	ZMBJ	S	....	T. S. S. "Awatea." Union Steam Ship Co. of New Zealand, Ltd.
8850	VQB4	C	....	Sandakan, British North Borneo.
8960	TPZ	T	....	Alger. Algiers. Directeur du Service de la Telegraphie sans fil, 5 rue Froidevaux, Paris.
9010	KEJ	C	....	Bolinas, Calif. R. C. A. Communications, Inc.
9020	GCS	T	15000	Rugby, Gt. Britain.
9038	VWY	T	....	Kirkee, Poona, India.
9040	TYA2	T	10000	Pontoise, France. Service de la TSF, 5 rue Froidevaux, Paris XIV.
9045	VWY	C	....	Kirkee, Poona, India.
9050	NPO	Time	....	Cavite, Philippines.
9080	XTK	...	....	Hankow, China.
9120	CPO5	C	....	LaPaz, Bolivia.
	YCP	...	....	Bandoeng, Java, N.E.I.

9130	CY2Q	C	....	Atlin, B. C., Canada. B. C. Provincial Police.
	CZC	C	....	Bralorne, B. C. Same as CY2Q.
	CZ7A	E	....	Alert Bay, B. C. Same as CY2Q.
9135	KRTA	E	125	Snow Cruiser, Little America. Byrd Antarctic Expedition.
	KRTC	E	125	East Base, Little America. Same as KRTA.
	KRTK	E	125	West Base, Little America. Same as KRTA.
	W2XGB	GE	10000	Hicksville, N. Y. Press Wireless, Inc.
	W10XJF	E	....	Yacht "Mako." Thorne Donnelley.
9160	CZ4B	T	....	Armstrong, Ont. Ontario Dept. of Lands and Forests.
	CZ5C	T	....	Basswood, Ont. Ontario Dept. of Lands and Forests.
9160	YVR	T	....	Maracay, Venezuela.
9180	ZSR	T	....	Klipbeuvel, Union of So. Africa. Overseas Communications of So. Africa, Ltd., Box 962, Capetown.
9250	Naa	Time	....	Arlington, Va.
9280	GCB	C	15000	Rugby, Gt. Britain.
	XGU	....	....	Shanghai, China.
9300	KNGU	B	50	Managua, Nicaragua.
9310	KGJW	A	....	Brownsville, Texas. Pau-American Airways.
9330	OAX4J	....	....	Lima, Peru.
	X1R	C	....	Canton, China. Chinese Government Radio Administration.
9355	WNQ	....	....	Hialeah, Fla.
	PLV	C	80000	Bandoeng, Java, N.E.I.
9425	NAA	Time	....	Arlington, Va.
9448	WES	C	....	Rocky Point, N. Y.
9460	ICK	....	2000	Tripoli.
	WRI	C	....	New Brunswick, N. J. R.C.A. Communications.
	WET	C	....	Rocky Point, N. Y.
9480	KFS	C	....	Bolinas, Calif. RCA Communications.
9500	CLX	....	250	Havana, Cuba. Observatorio Nacional, Casa Blanca.
9505	JLG2	T	....	Nazaki, Japan. Nippon Hoso Kyokai, Shibaku, Tokyo.
9525	JLU2	T	....	Nazaki, Japan. Nippon Hoso Kyokai, Shiba-ku, Tokyo.
9655	JLS	T	....	Nazaki, Japan.
	HVI	B	15000	Vatican City.
	LRX	B	5000	Buenos Aires, Argentina.
9670	12RO ⁹	B	100000	Rome, Italy.
	W3XAL	B	35000	New York City.
	JVW2	T	....	Nazaki, Japan.
9750	WDL	C	20000	Ocean Gate, N. J. American Telephone & Telegraph Co.
	WOF	C	....	Lawrenceville, N. J.
9790	CPP5	C	....	Viacha, Bolivia.
	CPX4	C	....	Yacuiba, Bolivia.
9835	IRF	B-E	20000	Rome, Italy.
9850	VEW	C	....	Calgary, Alta. Dominion Government.
9860	EAQ	B	....	Madrid, Spain.
9870	WON	C	....	Lawrenceville, N. J.
9890	LSN2	T	....	Buenos Aires, Argentina.
9940	WCT	T	400	San Juan, Puerto Rico. Radio Corp. of P. R.
	GCU	T	15000	Rugby, Gt. Britain.
9990	KAZ	T	40000	Manila, Philippines. Radio Corp. of the Philippines.
10000	WWV	G	1000	Beltsville, Md. National Bureau of Standards, Washington, D. C.
10042	DZB	T	....	Berlin, Germany.
10055	SUV	T	10000	Cairo, Egypt.
	ZFB	T	1500	Hamilton, Bermuda.
10065	CQN	T	....	Macao, Portuguese China.
	TDE	T	....	Shinkio, Manchukuo. Manchukuo Telegraph & Telephone Co., Ltd.
10070	HRI2	C	400	La Lima, Honduras. Tela R. R. Co.
10105	TDB	T	20000	Tillis, U.S.S.R. Shinkio, Manchukuo. Manchukuo Telegraph & Telephone Co., Ltd.
10110	VQA5	C	....	Jesselton, British North Borneo.
10135	OPM	T	....	Leopoldville, Belgian Congo.
10230	CED	T	....	Sandakan, British North Borneo.
10250	LSK3	T	5000	Rio de Janeiro, Brazil.
	PVH	C	....	Buenos Aires, Argentina. Cia. Internacional de Radio, S. A., Defensa 143.
10300	LSL2	T	....	Buenos Aires, Argentina. Cia. Internacional de Radio, Defensa 143.
10310	PPM	T	....	Rio de Janeiro, Brazil.
10330	ORK	T	11000	Brussels, Belgium.

To be continued in next issue

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 parentheses in kilowatts. Thus: (25) indicates 250 watts. Exact frequencies, when not multiples of ten are shown in the second column.

- Second Column Symbols**
 A—Status in doubt.
 B—National "Blue" Network.
 C—Columbia Network.
 D—Daytime only.
 E—Minor Network.
 F—Canadian Network.
 G—Specified Hours.
 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; veri stamp for 10c.
 z—No information available.

Please refer also to the opposite page

540 kcs. (552.2 m.)

CBK F 50000



a Watrous, Sask., Canadian Brdcastg. Corp.

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)
 W SVA D 1000
 XERZ ... 250



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
 g Phoenix, Ariz., Salt River Valley Brdcastg. Co.
 a St. Louis, Mo., Pulitzer Pub. Co.
 a San Antonio, Tex., Sushine 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.)

CKL 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.
 MTa Beaumont, Tex., Beaumont Brdcastg. Corp.
 a Denver, Colo., KLZ Brdcastg. Co.
 a San Francisco, Calif., Associated Broadcasters, Inc.
 BMQa Springfield, Mo., Ozarks Brdcastg. Co.
 a 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
 WNAX C 5000
 WOSU XZ 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
CKPR	F	1000
CKUA	F	1000
KSAC	EN	5000
WCHS	2	500(1)
WDHO	C	5000
WIAC	P	5000
WIBW	C2	1000(5)
WILL	D	5000
WTAG	X	1000(5)
XEMU	....	250

a	Toronto Ont., Dominion Battery Co., Ltd.
a	Port Arthur, Ont., Dougall Motor Car Co., Ltd.
b	Edmonton, Alta., University of Alberta.
a	Fresno, Calif., McClatchey Brdcastg. Co.
a	Manhattan, Kans., State College of Agriculture
a	Charleston, W. Va., Charleston Brdcastg. Co.
a	Orlando, Fla., Orlando Brdcastg. Co.
z	San Juan, P. Rico, Enrique Abarca Sanfeliz.
a	Topeka, Kans., Topeka Brdcastg. Assn., Inc.
a	Urbana, Ill., University of Illinois.
RYa	Worcester, Mass., Worcester Telegram Pub. Co., Inc.
z	Piedras Negras, Coah., Radiodifusora de Piedras Negras.

590 kcs. (508.2 m.)

CMCV	O	15000
KGMB	CM	5000
KHQ	ER	5000
WFEI	C	5000
WKZO	B	1000
WMBS	C	1000
WOW	R	5000
XEPH	....	5000
YV5RI	B	1000

a	Havana, Cuba, RHC-Cadena Azul.
a	Honolulu, T. H., Hawaiian Brdcastg. System, Ltd.
a	Spokane, Wash., Louis Wasmer, Inc.
a	Woston, Mass., CBS, Inc.
a	Kalamazoo, Mich., WKZO, Inc.
a	Uniontown, Pa., Fayette Brdcastg. Corp.
a	Omaha, Nebr., Woodmen of the World.
a	Mexico City, D. F.
z	Caracas, Venezuela, Suegart y Cia.

600 kcs. (499.7 m.)

CFCF	BF	500
CFQC	F	1000
CJOR	....	1000
CMKV	O	1000
FON	609	250
KFSD	B	5000
KROD	C	500(1)
TIGPH	605	1000
WCAO	C	500(1)
WICG	....	500(1)
WMT	BM	5000
WREC	C	5000
WSIS	MN	1000
XEOH	....	1000
XESF	....	250
XEZ	....	2000

a	Montreal, P. Q., Canadian Marconi Co.
a	Saskatoon, Sask., A. A. Murphy & Sons, Ltd.
a	Vancouver, B. C., CJOR, Ltd.
a	Holguin, Cuba, RHC-Cadena Azul.
a	St. Pierre, Miquelon, G. Salomon.
a	San Diego, Calif., Airfan Radio Corp., Ltd.
a	El Paso, Tex., Dorrance D. Roderick.
a	San Jose, Costa Rica, Gonzalo Pinto H.
a	Baltimore, Md., Monumental Radio Co.
BDMYf	Bridgeport, Conn., The Yankee Network, Inc.
a	Cedar Rapids, Iowa, Iowa Brdcastg. Co.
a	Memphis, Tenn., WREC Brdcastg. Service.
a	Winston-Salem, N. C., Piedmont Pub. Co.
z	Torreón, Coah.
z	Morelia, Micho.
z	Merida, Yuc., Jorge L. Palomeque.

610 kcs. (491.5 m.)

CHNC	F	1000
CIAT	F	1000
KFAR	....	1000
KFCR	M	5000
WAYS	P	1000
WCLE	DM	500
WDAF	R	5000
WIOD	N	5000
WIP	....	5000
WMUR	P	1000(5)
XEBX	....	500
XERT	....	600

a	New Carlisle, P. Q., Gaspesian Radio Co., Ltd.
a	Trail, B. C., Kootenay Brdcastg. Co., Ltd.
a	Fairbanks, Alaska, Midnight Sun Brdcastg. Co.
b	San Francisco, Calif., Don Lee Brdcastg. System.
z	Charlotte, N. C., Inter-City Advertising Co.
a	Cleveland, Ohio, United Brdcastg. Co.
a	Kansas City, Mo., Kansas City Star Co.
a	Miami, Fla., Isle of Dreams Brdcastg. Corp.
1a	Philadelphia, Pa., Pa. Brdcastg. Co.
z	Manchester, N. H., Radio Voice of N. H., Inc.
z	Sabinas, Coah., Benito Garza Ortegon.
z	Mazatlan, Sinal., Oscar Perez E

620 kcs. (483.6 m.)

CKCK	F	1000
CMIK	....	250
KGW	ER	5000
KTAR	EN	5000
KWFT	....	1000(5)
TIPG	625	5000
WAGE	....	1000
WHJB	D	250
WKAO	C	5000
WLBY	X	500(1)
WROL	N	500(1)
WSUN	N	5000
WTMI	N	5000
XENK	....	5000

a	Regina, Sask., Leader-Post, Ltd.
a	Camaguey, Cuba, Jones, Castrillon y Cia.
a	Portland, Ore., Oregonian Pub. Co.
a	Phoenix, Ariz., KTAR Brdcastg. Co.
CMTa	Wichita Falls, Tex., Wichita Brdcastg. Co.
b	San Jose, Costa Rica, Claudia Hartinos.
a	Syracuse, N. Y., Sentinel Brdcastg. Corp.
a	Greensburg, Pa., Pittsburgh Radio Supply House.
a	San Juan, Puerto Rico, Radio Corp. of Puerto Rico.
DMNYa	Bangor, Maine, Maine Brdcastg. Co.
a	Knoxville, Tenn., Stuart Brdcastg. Corp.
a	St. Petersburg, Fla., City of S. P.
a	Milwaukee, Wis., The Journal Co.
z	Mexico City, D. F.

630 kcs. (475.9 m.)

CFCO	F	100
CFCY	F	1000

a	Chatham, Ont., John Beardall.
a	Charlottetown, P. E. I., Island Radio Brdcastg. Co.

BROADCASTING STATIONS BY FREQUENCIES

CJRC	F	1000
CKOV	F	1000
CMZ	D	5000
KGFX	D	200
ROH	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
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660 kcs. (454.3 m.)

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

670 kcs. (447.5 m.)

WMAQ	R	50000
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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
CMO	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

- a 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 Brdcastg. Co.
- a Monterrey, N. L., Jesus Quintanilla.
- z Caracas, Venezuela, Radiodifusora Nacional

-
- z Colon, Panama, La Voz de la Victor.
 - i Los Angeles, Calif., Earle C. Anthony, Inc.
 - a St. John's Nfld., Brdcastg. Corp of Nfld.
 - a Columbus, Ohio, United Brdcastg. 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.
 - z Dallas, Texas, Chilton Radio Corp.
 - a New York, N. Y., NBC.
 - z Mexico City, D. F., Refugio Esperza Vda.
 - a Managua, Nicaragua.

-
- 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 Brdcastg. Co.
 - a Raleigh, N. C., WPTF Radio Co.
 - e Guadalajara, Jal., Cia. Radiofonografica.

-
- 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. Cta., 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 Brdcastg. Co.
 - a Beverly Hills, Calif., KMPC Station of the Stars.
 - a New York, N. Y., Bamberger Brdcastg. 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
WHFB	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
WEW	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
WBBM	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
WPR	....	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.
 - a San Jose, Costa Rica, Eduardo Pinto H.
 - g 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
WEJU	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
WSON	....	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.
z Henderson, Ky.
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 Caracas, 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	....	100000

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)
WJHL	....	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 Johnson 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., Synmons 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	a	Edmonton, Alta., North Western Publishers, Ltd.
CKMN	O	1000	a	Santiago de Cuba, RHC-Cadena Azul.
KGBU	....	500	a	Ketchikan, Alas., Alaska Radio & Service Co., Inc.
KHJ	BMS	5000	a	Los Angeles, Calif., Don Lee Brdcastg. Sys.
KSEL	N	250(1)	a	Pocatello, Idaho, Radio Service Corp.
WBEN	R	5000	a	Buffalo, N. Y., WBEN, Inc.
WFMD	....	500	a	Frederick, Md., The Monocacy Brdcastg. Co.
WJAX	N	1000(5)	a	Jacksonville, Fla., City of Jacksonville.
WKY	N	5000	a	Oklahoma City, Okla., WKY Radiophone Co.
WLBI	D	5000	a	Stevens Point, Wis., State of Wis.
WPAT	DP	1000	z	Paterson, N. J., North Jersey Brdcastg. Co., Inc.
WSAZ	....	1000	z	Huntington, W. Va., WSAZ, Inc.
WTAD	C	1000	a	Quincy, Ill., Ill. Brdcastg. Corp.

940 kcs. (319 m.)

CBM	FR	5000	a	Montreal, P. Q., CBC.
WMAZ	LX	1000(5)	Ca	Macon, Ga., Southeastern Brdcast. Co., Inc.
XEQ	....	5000	a	Mexico City, D. F., Radio Panamericana.

950 kcs. (315.6 m.)

CMBZ	....	1000(5)	a	Havana, Cuba, Radio Salas.
HIX	....	1000	a	Ciudad Trujillo, D. R., J.R., Saladin.
KFEL	M	5000	a	Denver, Colo., Engene P. O'Fallon.
KOMO	ER	5000	a	Seattle, Wash., Fishers Blend Station, Inc.
KPRC	ER	5000	a	Houston, Tex., Houston Printing Corp.
WAAF	D	1000	a	Chicago, Ill., Drovers Journal Pub. Co.
WORL	D	1000	a	Boston, Mass., Brdcastg. Serv. Organization, Inc.
WPEN	....	5000	a	Philadelphia, Pa., Wm. Penn Brdcastg. Co.
WSPA	C	1000(5)	a	Spartanburg, S. C., Spartanburg Adv. Co.
WWT	R	5000	a	Detroit, Mich., Evening News Ass'n.
NEGM	....	1000(2.5)	z	Tiunana, B. Cfa.

960 kcs. (312.3 m.)

CFAC	F	1000	a	Calgary, Alta., South Western Publishers, Ltd.
CHNS	F	1000	a	Halifax, N. S., Maritime Brdcastg. Co., Ltd.
CMHN	E	1000	a	Santa Clara, Cuba, Cadena Radio Habana.
KMA	B	1000(5)	a	Shenandoah, Iowa, May Brdcastg. Co.
KROW	....	1000	a	Oakland, Calif., Educational Brdcastg. Corp.
WRRC	R	5000	a	Birmingham, Ala., Birmingham Brdcastg. Co., Inc.
WDBJ	C	5000	a	Roanoke, Va., Times World Corp.
WELI	X	250(.5)	a	New Haven, Conn., City Brdcastg. Corp.
WSBT	C	500	a	South Bend, Ind., South Bend Tribune.
XEFE	....	1000	z	Nuevo Laredo, Tam., Rafael T. Carranza.
XEHK	....	250	z	Guadalajara, Jal.
XEOT	....	500	z	Hermosillo, Son.
XEUI	....	500	a	Veracruz, Ver. C., Fernando Pazos S.
YV5RA	....	10000	b	Caracas, Venezuela, Almacén Americano.

970 kcs. (309.1 m.)

CMKU	E	5000	a	Santiago de Cuba, Cadena Radio Habana.
KOIN	C	5000	a	Portland, Ore., KOIN, Inc.
WAAT	....	1000	a	Jersey City, N. J., Bremer Brdcastg. Corp.
WAVE	N	5000	a	Louisville, Ky., WAVE, Inc.
WCSH	....	5000	RYa	Portland, Maine, Congress Square Hotel Co.
WDAY	N	5000	a	Fargo, N. Dak., WDAY, Inc.
WFLA	....	1000(5)	a	Tampa, Fla., The Tribune Co.
WHA	D	5000	a	Madison, Wis., University of Wis.
WICA	D	1000	a	Ashtabula, Ohio, WICA, Inc.
XEI	....	5000	a	Juarez, Chih., Pedro Meneses, Jr.
XFK	....	500	a	Mexico City, D. F., Arturo Martinez.
XEO	....	750	z	Matamoros, Tam.

980 kcs. (306 m.)

CBV	F	1000	a	Quebec, P. Q., CBC.
CTRM	F	1000	a	Regina, Sask., Transcanada Comm., Ltd.
CKWX	F	1000	a	Vancouver, B. C., Western Brdcastg. Co., Ltd.
CMCK	....	5000	a	Havana, Cuba, Luis Casa R.
KFWB	E	5000	a	Los Angeles, Calif., Warner Bros. Brdcastg. Corp.
KMBC	C	5000	a	Kansas City, Mo., Midland Brdcastg. Co.
WHAL	DP	500	z	Saginaw, Mich., Gross and Shields.
WRC	R	5000	a	Washington, D. C., NBC, Inc.
WTRY	....	1000	Ba	Troy, N. Y., Troy Brdcastg. Co., Inc.
XEFQ	....	500	z	Cananea, Son., Pedro L. Diaz.
XEXT	....	1000	z	Tepic, Nay., Gobierno del Estado de Navarrit.
YV2RB	....	500	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
XET	....	5000

a	Winnipeg, Man., Man. Telephone Sys.
a	Trinidad, Cuba, 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
XEPX	....	10000

a	Santiago de Cuba, Claudio Alvarez Soriano.
Ba	Seattle, Wash., Fishers Blend 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
YVSRG	....	1000

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	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	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	Des Moines, Iowa, Central Brdcastg. Co.
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1050 kcs. (285.5 m.)

CMKG	250
WDZ	D	1000
WHN	X	1000(5)
XEG	150000
YVSRZ	300

z	Santiago, Cuba, Emilio Grau Medina
a	Tuscola, Ill., WDZ 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
NEXT	....	50000

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	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	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	Panes, 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
WCB D L2XZ 5000
WMB1 L2 5000
NEFO 20000

1120 kcs. (267.7 m.)

KMOX C 50000
YVIRF 350

1130 kcs. (265.3 m.)

CBR F 5000
CMKH 250
KGD M DM 1000
KWK H C 50000
WCA R D 1000
WDGY L 500(5)
WVO V 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
WDFL R 5000
WISN C 5000
WJBO B 5000
WKPA D 250
WTAW G 1000
XEIP 600
XEJS 500
YVIR D 1153 250
YV4RD 1153 200

1160 kcs. (285.5 m.)

KSL C 50000
WJJD L 20000
YV5RL 1000

1170 kcs. (256.3 m.)

KVOO 25000
WAPI Z 1000(5)
WVVA C 50000
XECD 350

1180 kcs. (254.1 m.)

WHAM N 50000
WLDS 250

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., WCB D, 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 Brdestg. Corp.
z Guantanamo, Cuba
f Stockton, Calif., E. F. Peffer
a Shreveport, La., International Brdestg. Corp.
a Pontiac, Mich., Pontiac Brdestg. Co.
Ma Minneapolis, Minn., Dr. Geo. W. Young
a New York, N. Y., Greater N. Y. Brdestg. 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. Brdestg. Co.
a Hamilton, Ont., Wentworth Radio Brdestg. Co., Ltd.
a Brandon, Man., Man. Telephone Sys.
a Havana, Cuba, Ideas Pazos
a Spokane, Wash., Spokane Brdestg. 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 Brdestg. Assn.
a Chattanooga, Tenn., W. A. Patterson
a Boston, Mass., Mass. Brdestg. Corp.
a Wilmington, Del.
a Milwaukee, Wis., Hearst Radio, Inc.
a Baton Rouge, La., B. R. Brdestg. Co., Inc.
a New Kensington, Pa., Alleghany-Kiski Brdestg. 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 Narconi."

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. Brdestg. Corp.
z Puebla, Pue., Ricardo Vazquez

a Rochester, N. Y., Stromberg-Carlson Mfg. Co.
z Jacksonville, Ill.

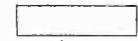
a Havana, Cuba, Jorge Garcia Serra
a Portland, Ore., Oregonian Pub. Co.
Ba Fort Wayne, Ind., Westinghouse Radio Stations, Inc.
z Sonora, Son.

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.)

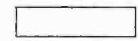
CHAB F 1000
 CMKO 250
 TIGPH2 1225 1000
 XEB 100000



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

1230 kcs. (243.8 m.)

CFCH F 100
 CHGB F 100
 CICI F 100
 CKNN 100
 CKTB F 100
 CKVD 100
 CMCO 2 250
 CMCW 2 250
 CMIE 250
 HHW 100
 KADA EM 250
 KAST 250
 KBTM 250
 KELO N 100(.25)
 KFDA 250
 KFID 250
 KFXD 250
 KFXI 250
 KGDE 100(.25)
 KGEK G 100
 KGFI 100
 KHAI 250
 KHAS 250
 KHBC CM 250
 KMLB 250
 KODL 100(.25)
 KOOS M 250
 KPHO P 250
 KPOW 250
 KSUN F 250
 KVCV M 250
 KVEC M 250
 KVCU 250
 KVOS M 250
 KWG 100
 KWNO F 250
 KYSM EN 250
 WABI XZ 250
 WAIM C 250
 WAIR 250
 WAYX 250
 WBBZ M 250
 WBHP 250
 WBLI 250
 WBOW N 250
 WCAT G 100
 WCAX XZ 250
 WCBT 250
 WCED 250
 WCLO 250
 WCOL 250
 WCPO 250
 WDLF 100(.25)
 WDSM 100
 WFN Y 250
 WESX X 100
 WFTC 250
 WGRB P 250
 WHRC M 250
 WHRY F 250
 WHYP 250
 WIBX 250
 WIT 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. Sangell
 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
 z Ada, Okla., C. C. Morris.
 z Astoria, Ore., Astoria Brdcastg. Co.
 z 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.
 b Fergus Falls, Minn., Charles L. Jaren
 i Sterling, Colo., Elmer G. Beebler
 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., Liner's Brdcastg. Station, Inc.
 a The Dalles, Ore., Western Radio Corp.
 a Marshfield, Ore., KOOS, Inc.
 z Phoenix, Ariz., M. C. Reese
 a Powell, Wyo., Albert Joseph Meyer
 a 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.
 a Mankato, Minn., Southern Minn. Supply Co.
 Ca 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., I. 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., WIIBY, 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.
WLFO	.... 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)	Dma	Sault Ste. Marie, Mich., Hiawathaland Brdcastg. Co.
WTHT	....	250	a	Hartford, Conn., Hartford Times, Inc.
WTOL	....	250	a	Toledo, Ohio, Community Brdcastg. Co.
YNOW	....	800	z	Managua, Nicaragua.
1240 kcs. (241.8 m.)				
CBJ	.... 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
CKCH	.... F	100	a	Hull, P. Q., CKCH 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	Ma	Wichita, Kans., KANS Brdcastg. Co.
KASA	....	100	a	Elk City, Okla., E. M. Woody
KAVE	....	250	a	Carlsbad, N. Mex., Carlsbad Brdcastg. Co.
KBIZ	....	250	a	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	Hartlingen, Tex., Harbenito Brdcastg. Co.
KGY	....	100	Ma	Olympia, Wash., KGY, Inc.
KHBB	....	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	Provo, Utah, Citizens Voice and Air Show.
KPFA	.... 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., Ardmoreite 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.
KWLK	.... 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.
WBIR	....	250	a	Knoxville, Tenn., J. W. Birdwell.
WBML	.... P	250	z	Macon, Ga., Middle Georgia Brdcastg. Co.
WBRB	.... 4	100	a	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 Denmark, 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.
WGGA	.... P	250	z	Gainesville, Ga., Gainesville Broadcasters.
WGRM	....	250	a	Greenwood, Miss., P. K. Ewing.
WHAT	....	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.
WIRU	.... E	250	a	Poyntette, 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.
WMFG	...	250	Ca	Hibbing, Minn., Head of the Lakes Brdcastg. Co.
WOCB	...	250	a	Hyannis, Mass., Cape Cod Brdcastg. Co.
WOMT	...	100	a	Mantowoc, Wis., Francis M. Kadow.
WPAX	...	250	a	Thomasville, Ga., H. Wimpy.
WPLD	...	250	z	Petersburg, Va., Petersburg Newspaper Corp.
WRAL	M	250	a	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	250	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.
KWSC	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)	a	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.
XEH	...	250	a	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.
KGBN	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	RYa	Indianapolis, Ind., WFBM, Inc.
WNAC	...	5000	a	Boston, Mass., The Yankee Network, Inc.
WOL	M	1000	z	Washington, D. C. American Brdcastg. Co.
XEBL	...	500	z	Mazatlap, Sin., Ignacio L. Saiz.
XEBM	...	150	z	San Luis Potosi, S. L. P., Benjamin Briones.
XFBP	...	250	z	Torreón, Coah.
XFBU	...	100	z	Chihuahua, Chih., Feliciano Lopez Islas.
XEDF	...	250	a	Laredo, Tams.
XFDW	...	250	z	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.
CMIM	O	1000	a	Ciego de Avila, Cuba, RHC-Cadena Azul.
KFTZ	...	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.
XERA	...	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	a	Inarez, 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	z	Sagua la Grande, Cuba, Abelardo Menocal.
KFOX	...E	1000	z	Long Beach, Calif., Nichols & Warinner, Inc.
KIT	...M	1000	a	Yakima, Wash., Carl E. Haymond.
WDSU	...B	5000	a	New Orleans, La., WDSU, Inc.
WGBF	...N	1000(5)	a	Evansville, Ind., Evansville on the Air, Inc.
WBFI	...2	1000(2.5)	a	Newark, N. J., May Radio Brdcastg. Corp.
WKST	....	1000	a	New Castle, Pa., WKST, Inc.
WMRO	...D	250	a	Aurora, Ill., Martin R. O'Brien.
WNEW	...2	5000	a	New York, N. Y., Wodaam Corp.
WTCN	...B	1000(5)	a	Minneapolis, Minn., Minnesota Brdcastg. Corp.
XEAG	....	250	z	Cordoba, Ver. C., Diodoro Zumiga.
XEBW	....	600	a	Chihuahua, Chih.
XEE	....	100	a	Durango, Dgo., Alejandro Stevenson, Jr.
XELK	....	100	a	Zacatecas, Zac.
XEOX	....	250	a	Los Mochis, Sin.
XERL	....	250	z	Colima, Col., J. Roberto Levy.
XEX	....	500	z	Monterrey, N. L., El Herald del Comercio.
XEXJ	....	100	z	Tuxtla Gutierrez, Chis.

1290 kcs. (232.4 m.)

CMCH	...2	250	a	Havana, Cuba, Radio Popular.
CMCX	...2	250	z	Havana, Cuba, "La Onda Popular"
CMKD	....	1000	a	Santiago de Cuba, Radioemisora Oriental.
KGVO	...C	1000	a	Missoula, Mont., Mosby's Inc.
FHSL	...M	500(1)	a	Chico, Calif., Golden Empire Brdcastg. Co.
KOIL	...EMC	5000	a	Omaha, Neb., Central States Brdcastg. Co.
KRGV	....	1000	MNYa	Weslaco, Tex., KRGV, Inc.
KUOA	...D	5000	a	Siloam Springs, Ark., KUOA, Inc.
KVOA	...EN	1000	a	Tucson, Ariz., Arizona Brdcastg. Co., Inc.
WFVA	...D	250	z	Fredericksburg, Va., Fredericksburg Brdcastg. Corp.
WHIO	...C	5000	a	Davton, Ohio, Miami Valley Brdcastg. Corp.
WHLD	...D	1000	a	Niagara Falls, N. Y., Niagara Falls Gazette Pub. Co.
WKNE	...CM	5000	a	Keene, N. H., Twin States Brdcastg. Corp.
WTQC	...C	1000(5)	a	Savannah, Ga., Savannah Brdcastg. Co.
XEAP	....	100	z	Obergon, Son., Emilio Manzanilla.
NEDA	....	1000	z	Mexico City, D. F., Pedro Riestra Diaz.

1300 kcs. (230.6 m.)

CMAN	...O	1000	a	Pinar del Rio, Cuba, RHC-Cadena Azul.
CMJF	....	250	z	Camaguey, Cuba, John L. Stowers.
KGLO	...C	1000	a	Mason City, Iowa, Mason City Globe Gazette Co.
KOL	...X	1000(5)	Ma	Seattle, Wash., Seattle Brdcastg. Co., Inc.
KVOR	...C	1000	a	Colorado Springs, Colo., Out West Brdcastg. Co.
WASH	...a	500	Na	Grand Rapids, Mich., King-Trendle Brdcastg. Corp.
WFBR	....	1000(5)	Ra	Baltimore, Md., Baltimore Radio Show, Inc.
WIDX	...R	1000(5)	a	Jackson, Miss., Lamar Life Ins. Co.
WOOD	...a	500	Na	Grand Rapids, Mich., King-Trendle Brdcastg. Corp.
WWNY	...DP	500	z	Watertown, N. Y., The Brockway Co.
XEGF	....	100	z	Culiacan, Sin.
XEP	....	500	a	Juarez, Chih., Estaban Perra.
XFS	....	5000	a	Tampico, Tam., Fernando Sada.
YVIRA	....	100	a	Maracaibo, Venezuela

1310 kcs. (228.9 m.)

CMGN	...O	1000	a	Jovellanos, Cuba, RHC-Cadena Azul.
KFBB	...C	5000	a	Great Falls, Mont., Buttery Broadcast, Inc.
KLS	....	1000	a	Oakland, Calif., Warner Bros.
TGI	....	...	d	Guatemala City, Guat., "Radio Morse."
WCAM	...2	500	a	Camden, N. J., City of Camden.
WCAP	...3	500	a	Asbury Park, N. J., Radio Industries Broadcast Co.
WDOD	...C	5000	c	Chattanooga, Tenn., WDOD Brdcastg. Corp.
WIRA	...N	5000	a	Madison, Wis., Badger Brdcastg. Co., Inc.
WISH	...P	1000(5)	z	Indianapolis, Ind., Captiol Brdcastg. Corp.
WORC	...C	1000	a	Worcester, Mass., Alf. Frank Kleindienst.
WRR	....	5000	MTa	Dallas, Tex., City of Dallas.
WRTN	...2	500	a	Trenton, N. J., WOAX, Inc.
XEAD	....	500	z	Guadalajara, Jal.
XFC	....	100	a	Tiitana, B. Cfa., Luis F. Encisco.
XFHB	....	1000	z	Veracruz, Ver. C.
XEMG	....	250	z	Monterrey, N. L.

1320 kcs. (227.1 m.)

CMHP	....	250	z	Placetas, Cuba, Guevara y Gonzalez.
CMKE	....	250	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.
KTRII	XZ	5000	Ca	Houston, Tex., KTRII Brdstg. Co.
WATR	X	250	DMA	Waterbury, Conn., WATR Co., Inc.
WEBC	N	5000	a	Duluth, Minn., Head of the Lakes Brdstg. Co.
WJAS	C	3000	a	Pittsburgh, Pa., Pittsburgh Radio Supply House.
WIHP	...	250	a	Jacksonville, Fla., The Metropolis Co.
WNRZ	D	100	a	Saranac Lake, N. Y., Up-State Brdstg. Corp.
WNEL	....	5000	a	San Juan, P. R., Juan Piza.
XEAI	....	500	a	Mexico City, D. F., Carmen Gutierrez.
YESY	....	200	z	Nogales, Son.

1330 kcs. (225.4 m.)

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

1340 kcs. (223.7 m.)

CFGP	....	250	a	[Redacted]
CHCK	....	50	a	Grande Prairie, Alta., Northern Brdstg. Corp.
CHWK	F	100	a	Charlottetown, P. E. I., CHCK Radio Brdstg. Co.
CJLS	F	100	a	Chilliwack, B. C., Chilliwack Brdstg. Co., Ltd.
CKCO	F	400	a	Yarmouth, N. S., Laurie L. Smith.
CKCV	F	100	a	Ottawa, Ont., Dr. G. M. Geldert.
CMCI	....	250	a	Quebec, P. Q., CKCV, Ltd.
KAND	X	100	z	Camaguey, Cuba, Calle Cisneros y General Gomez.
KARM	C	250	z	Corsicana, Tex., Navarro Brdstg. Assn.
KBND	....	250	a	Fresno, Calif., KARM, The George Harn Station
KCKN	E	250	z	Bend, Ore., The Bend Bulletin.
KCRJ	E	250	a	Kansas City, Kans., KCKN Brdstg. Co.
KFPL	....	100(25)	f	Jerome, Ariz., Central Arizona Brdstg. Co.
KFYO	....	250	a	Dublin, Tex., C. C. Baxter.
KGEZ	XZ	250	MTa	Lubbock, Tex., Plains Radio Brdstg. Co.
KGFV	....	250	a	Kalispell, Mont., Donald C. Treloar.
KHMO	P	250	a	Kearney, Nebr., Central Nebraska Brdstg. Corp.
KHUB	....	250	z	Hannibal, Mo., Courier-Post Pub. Co.
KMYR	....	100(25)	a	Watsonville, Calif., John P. Scripps.
KOCY	....	250	a	Denver, Colo., F. W. Meyer.
KOME	EM	250	a	Oklahoma City, Okla., Plaza Court Brdstg. Co.
KPDN	....	100	z	Tulsa, Okla., Oil Capital Sales Corp.
KRBA	D	250	a	Pampa, Tex., R. C. Hoiles.
KRIF	P	250	a	Lufkin, Tex., Red Lands Brdstg. Assn.
KRMD	....	250	z	Miles City, Mont., Star Printing Co.
KROC	EN	250	a	Shreveport, La., KRMD, Inc.
KROS	P	250	a	Rochester, Minn., Southern Minn. Brdstg. Co.
KSUB	....	100	z	Clinton, Iowa, Clinton Brdstg. Corp.
KUIN	....	250	a	Cedar City, Utah, Southern Utah Brdstg. Co.
KVIC	....	250	a	Grants Pass, Ore., Southern Oregon Brdstg. Co.
KVOL	....	250	a	Victoria, Tex., Radio Enterprises, Inc.
KVOX	E	250	a	Lafayette, La., Evangeline Brdstg. Co., Inc.
KVSF	C	100	a	Moorhead, Minn., KVOX Brdstg. Co.
KWFC	....	250	a	Santa Fe, N. Mex., N. Mex. Brdstg. Co.
KWLM	....	100	a	Hot Springs, Ark., Hot Springs Brdstg. Co.
KWOC	....	250	a	Willmar, Minn., Lakeland Brdstg. Co.
KWOS	....	250	a	Poplar Bluff, Mo., Radio Station KWOC.
KXRO	M	250	a	Jefferson City, Mo., Tribune Printing Co.
WAIR	DM	250	a	Aherdeen, Wash., KNRO, Inc.
WAML	....	250	a	Winston-Salem, N. C., Radio Station WAIR.
WBRE	....	250	a	Laurel, Miss., New Laurel Radio Station, Inc.
WBRK	....	250	NQa	Wilkes-Barre, Pa., Louis G. Baltimore
WBRV	....	250	DMY	Pittsfield, Mass., Monroe B. England.
WCFS	....	250	a	Welch, W. Va., Mc Dowell Service Co.
WCMI	M	250	a	Joliet, Ill., WCFS, Inc.
WDAK	....	250	a	Ashland, Ky., Ashland Brdstg. Co.
WDMT	....	250	a	West Point, Ga., Valley Brdstg. Co.
WEBR	B	250	a	Marquette, Mich., Lake Superior Brdstg. Co.
WEIM	P	250	a	Buffalo, N. Y., WEBR, Inc.
WEMP	....	250	z	Fitchburg, Mass., Ruben E. Aronheim.
WEXL	X	50	a	Milwaukee, Wis., Milwaukee Brdstg. Co.
			a	Royal Oak, Mich., Royal Oak Brdstg. Co.

BROADCASTING STATIONS BY FREQUENCIES

WFBC	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.
WGAA	P	250	z	Cedartown, Ga., Northwest Ga. Brdcastg. Co.
WGAU	....	250	a	Athens, Ga., J. K. Patrick & Co.
WGH	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.
WMBF	B	250	a	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	z	Cordoba, Ver. C., Voz del Sudeste de Mexico.
XEDH	....	200	z	Villa Acuna, Coah., Vincente Hernandez.
XEFC	....	250	z	Merida, Yuc., Julio Molina Font.
XEFZ	....	250	z	Coatzacoalcos, Ver. C., Pedro E. Roher.
XEIK	....	100	z	Chihuahua, Chih., Manuel Armandariz.
XELW	....	250	a	Guadalajara, Jal.
XEMA	....	100	a	Fresnillo, Zac., Jose Ma. Acevedo Moya.
XEXS	....	100	z	Toluca, Mex., Instituto Cientifica y Literario

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.
KSRQ	....	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.
XEQK	....	1000	a	Mexico City, D. F.
XETB	....	500	z	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.
KSCI	N	5000	a	Sioux City, Iowa, Sioux City Journal.
WDRC	C	5000	a	Hartford, Conn., WDRC, Inc.
WKAT	....	1000	g	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
XESA	....	500	z	Culiacan, Sin.
XEWG	....	1000	z	Tuarez, Chih.

1370 kcs. (218.8 m.)

CMAC	P	100	z	Guanajay, Cuba.
CMHJ	....	250	d	Ciego de Avila, Cuba, Luis Marauí H.
KDTH	....	1000	a	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 Brdstg. Co.
WCOA	N	500(1)	a	Pensacola, Fla., Pensacola Brdstg. Co.
WFEA	....	5000	DMNYa	Manchester, N. H., N. H. Brdstg. Co.
WFNC	D	250	a	Fayetteville, N. C., Cumberland Brdstg. Co.
WPAB	....	1000	a	Ponce, P. R., Portorican American Brdstg. 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 Brdstg., Ltd.
CMHK	....	250	z	Cruces, Cuba, R. G. Gonzalez.
KBWD	P	500	z	Brownwood, Tex., Brown County Brdstg. Co.
KIDO	....	1000(2.5)	Na	Boise, Idaho, Boise Brdstg. Station.
KTSM	N	500	a	El Paso, Tex., Tri-State Brdstg. 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 Brdstg. Co., Inc.
WMBG	R	1000(5)	a	Richmond, Va., Havens & Martin, Inc.
WTSP	....	500(1)	a	St. Petersburg, Fla., Pinellas Brdstg. 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.
KGER	....	1000	a	Long Beach, Calif., Consolidated Brdstg. Corp.
KLPM	....	1000	a	Minot, N. Dak., John B. Cooley.
KSLM	M	1000	a	Salem, Ore., Oregon Radio, Inc.
WCSC	....	500(1)	Ca	Charleston, S. C., S. C. Brdstg. Co., Inc.
WFBL	C	5000	a	Syracuse, N. Y., Onondaga Radio Brdstg. Corp.
WGES	GX	500(1)	a	Chicago, Ill., Oak Leaves Brdstg. Station, Inc.
WQBC	D	1000	a	Vicksburg, Miss., Delta Brdstg. Co., Inc.
WTJS	....	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	Lethbridge, Alta., H. R. Carson, Ltd.
CKCW	F	100	a	Moncton, N. B., Moncton Brdstg. 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 Brdstg. Co.
KEVR	3	100	a	Seattle, Wash., Evergreen Brdstg. 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	a	San Angelo, Tex., KGKL, Inc.
KICA	....	100	MTa	Clovis, N. Mex., Western Broadcasters, Inc.
KIUN	....	100	a	Pecos, Tex., J. Hawkins & B. H. Tubbs.
KIUP	....	250	a	Durango, Colo., San Juan Brdstg. Co.
KLUF	....	250	MTa	Galveston, Tex., KLUF Brdstg. Co., Inc.
KMAC	5	250	a	San Antonio, Tex., The Wolmae Co.
KOBH	....	250	a	Rapid City, S. Dak., Black Hills Brdstg. Co.
KOKO	....	100	a	La Junta, Colo., Southwest Brdstg. Co.
KONO	5	250	a	San Antonio, Tex., Mission Brdstg. Co.
KORN	....	250	a	Fremont, Nebr., Nebraska Brdstg. Corp.
KRE	....	250	a	Berkeley, Calif., Central Calif. Broadcasters, Inc.
KRKO	3	100(.25)	a	Everett, Wash., Everett Brdstg. Co., Inc.
KRLC	....	250	a	Lewiston, Idaho, H. E. Studebaker.
KRMC	....	250	a	Jamestown, N. Dak., Jamestown Brdstg. Co., Inc.
KTEM	....	250	MTa	Temple, Tex., Bell Brdstg. Co.
KTNM	....	250	z	Tucumcari, N. Mex.
KTOK	EMN	250	a	Oklahoma City, Okla., Oklahoma Brdstg. Co., Inc.
KTWS	M	250	a	Emporia, Kans., Emporia Brdstg. Co., Inc.
KTUC	CE	250	a	Tucson, Ariz., Tucson Brdstg. 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.
KWLN	....	250	a	Longview, Wash., Twin City Brdcastg. Corp.
KWYO	....	250	a	Sheridan, Wyo., Big Horn Brdcastg. Co., Inc.
KYAN	P	250	z	Cheyenne, Wyo., Western Brdcastg. Co. of Wyo.
WABY	....	250	BMSa	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	Z	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 Ives.
WCBM	....	250	Ia	Baltimore, Md., Baltimore Brdcastg. Corp.
WCNC	....	250	z	Elizabeth City, N. C., Albermarle Brdcastg. Co.
WCOS	....	250	z	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	Haffieburg, 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., WHUB, Inc.
WHYN	....	250	a	Holyoke, Mass., Hampden-Hampshire Corp.
WINC	P	250	a	Winchester, Va., Richard Field Lewis.
WJAC	....	250	RQa	Johnstown, Pa., WJAC, Inc.
WJHO	....	100(.25)	a	Opelika, Ala., Opelika-Auburn Brdcastg. Co.
WJLB	....	250	a	Detroit, Mich., John L. Booth Brdcastg., Inc.
WJZM	P	250	z	Clarksville, Tenn., Wm. D. Hudson.
WKMO	....	250	z	Kokomo, Ind., Kokomo Brdcastg. Corp.
WKPT	N	250	z	Kingsport, Tenn., Kingsport Brdcastg. Co., Inc.
WKWK	P	250	z	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	z	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	z	Stamford, Conn., Stephen R. Rintoul.
WSVS	G2	50	e	Buffalo, N. Y., Board of Education.
WTCM	....	250	a	Traverse City, Mich., Midwestern Brdcastg. Co.
XEAJ	....	100	z	Navajo, Son.
XFAM	....	250	z	Matamoros, Tam.
XEDE	....	100	z	Torreón, Coah.
XEF	....	100	a	Juarez, Chih., Gilberto Gil.
XEI	....	250	a	Morelia, Micho., Carlos Gutierrez M.
XEJA	....	100	z	Jalapa, Ver. C.
XEKT	....	250	z	Acapulco, Gro.
XEMH	....	100	z	Merida, Yuc.
XEPF	....	100	z	Ensenada, B. Cfa.
XEWE	....	100	z	Silao, Gto.
XEXM	....	250	z	Guadalajara, Jal.
XEXO	....	100	z	San Luis Potosí, S.L.P.
YVIRC	....	500	a	Maracaibo Venez., "La Voz de la Fe."
YV4RE	....	1000	a	Valencia, Venez., "Radio Valencia."
YV6RA	....	200	a	Bolívar, Venez., "Ecos del Orinoco."

1410 kcs. (212.5 m.)

CKMO	....	1000	a	Vancouver, B. C., B. C. Brdcastg. Sys., Ltd.
CMHB	....	250	z	Sancti Spiritus, Cuba, V. E. Weiss y Cia.

BROADCASTING STATIONS BY FREQUENCIES

KERN	BE	1000	a	Bakersfield, Calif., McClatchy Brdcastg. Co.
KOV	....	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.
NEBS	....	750	z	Mexico City, D. F.
NELC	....	250	z	Laredo, Tam.
NERY	....	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.
KUT	....	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.
NESJ	....	500	z	Mazatlan, Sin.
NESJ	....	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.
KTPN	P	500	z	Tacoma, Wash., Michael J. Mingoe
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.
NEAQ	....	100	z	Villa Acuna, Coah.
NECZ	....	1000	z	San Luis Potosi, S. L. P., Zeferino Z. Jimenez.
NEOK	....	100	z	Progreso, Yuc., Arturo Pina Perez.
YV4RL	....	300	a	Maracay, Venez., "Radio Maracay".

1440 kcs. (208.2 m.)

CMGH	....	500	a	Matanzas, Cuba, "Rialto".
CAJI	....	250	a	Ciego de Avila, Cuba, Gilberto Gesse Lopez.
KFJM	....	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	Medford, Ore., Mrs. W. J. Virgin.
WAAB	....	1000	DMa	Boston, Mass., The Yankee Network, Inc.
WBCM	....	500(1)	a	Bay City, Mich., Bay Brdcastg. Co., Inc.
WHIS	....	500(1)	a	Rockfield, 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. Cfa.

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	M'Ta	Texarkana, Tex., KCMC, Inc.
KDNV	....	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.
KFRZ	....	100	La	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.
KGLV	3	100	a	Alamosa, Colo., E. I. 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.
KRLC	....	250	z	Beaumont, Tex., KRLC, Inc.
KRLH	....	250	z	Midland, Tex., Clarence Scharbau.
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.
KWBB	....	100	a	Hutchinson, Kans., Nations Center Brdcast. Co., Inc.
KXL	4XZ	250	b	Portland, Ore., KXL Broadcasters.
TGO	....	200	a	Quezaltenango, Guatemala, Director of Elec. Comm.
WACO	....	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.
WFMI	....	250	a	Youngstown, Ohio, Wm. F. Maag, Jr.
WFPG	....	250	a	Atlantic City, N. J., Neptune Brdcastg. Corp.
WGL	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.
WHDL	....	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	N	250	a	Anniston, Ala., Harry M. Ayers.
WIBM	B	250	a	Jackson, Mich., WIBM, Inc.
WILM	....	250	Ia	Wilmington, Del., Delaware Brdcastg. Co.
WJMS	....	250	a	Ironwood, Mich., WJMS, Inc.
WKEU	....	100	a	Griffin, Ga., Station WKEU.
WKIP	....	250	a	Poughkeepsie, N. Y., Poughkeepsie Brdcastg. Corp.
WLAN	P	250	z	Endicott, N. Y., Thomas J. Watson.
WLAP	M	250	a	Lexington, Ky., American Brdcastg. Corp.
WLEU	....	250	BOa	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	P	250	a	Greenwood, S. C., Greenco, Inc.
WMFI	N	250	a	Daytona Beach, Fla., W. Wright Esch.
WMSD	....	250	z	Muscle Shoals City, Ala., Muscle Shoals Brd. Corp.
WMTA	P	100(.25)	a	Martinsville, Va., Martinsville Brdcastg. Co.
WNAB	P	250	z	Bridgeport, Conn., Harold Thomas
WNOE	....	250	a	New Orleans, La., WNOE, Inc.
WOC	....	250	a	Davenport, Iowa, Tri-City Brdcastg. Co.
WPAD	....	250	a	Paducah, Ky., Paducah Brdcastg. Co.
WPAR	C	250	a	Parkersburg, W. Va., Ohio Valley Brdcastg. Corp.
WRLC	P	250	a	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	z	Washington, D. C., Capital Brdcastg. Co.
XEJH	....	100	z	Victoria, Tam., Fernando Elizalde.
XEQO	....	100	z	Torreón, Coah., Maria Refugio Acosta.
XEDJ	....	100	z	Magdalena, Son.
XEFF	....	100	z	Merida, Yuc., Manuel Zapata Espinosa.
XEGC	....	100	z	Zamora, Micho., Guillermo Calzada.
XEIX	....	250	z	Aguascalientes, Ags.
XEPP	....	100	z	Orizaba, Ver.
XERK	....	100	z	Tepec, Nav.
XEXE	....	100	z	Texcoco, Mex.
XFXP	....	100	z	Matamoros, Tam.
XEY	....	250	z	San Luis Rio Colorado, Son.

1460 kcs. (205.4 m.)

CIGX	F	1000	a	Yorkton, Sask., Yorkton Brdcastg. Co., Ltd.
CMCG	....	250	z	Havana, Cuba, "La Onda", S.A.
CMKO	E	500	a	Santiago de Cuba, Cadena Azul.
KEVE	P	500	z	Everett, Wash., Cascade Brdcastg. Co., Inc.
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	C	500(1)	a	Rochester, N. Y., WHEC, Inc.
WHP	C	1000(5)	b	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.

BROADCASTING STATIONS BY FREQUENCIES

1470 kcs. (204 m.)

CKGB	F	1000
CMGE	....	250
CMJO	....	250
HI8Q	....	25
KDFN	....	1000
KELA	M	1000
KXYZ	XZ	1000
WBIG	C	5000
WBCA	a	500
WMBD	C	1000(5)
WSAN	Xa	500
XEAU	....	5000
XESM	....	1000
YV3RE	1475	1500

a	Timmins, Ont., R. H. Thomson, North Bay.
a	Cardenas, Cuba, Genaro Sebatier.
a	Ciego de Avila, Cuba, Bonifacio Ildefonso.
z	Trujillo, D. R., Julio A. Garcia.
a	Casper, Wyo., Donald Lewis Hathaway.
a	Centralia, Wash., Central Brdcastg. Corp.
BMTa	Houston, Tex., Harris County Brdcastg. Co.
a	Greensboro, N. C., N. C. Brdcastg. Co., Inc.
a	Allentown, Pa., Lehigh Valley Brdcastg. Co.
a	Peoria, Ill., Peoria Brdcastg. Co.
NQa	Allentown, Pa., Lehigh Valley Brdcastg. Co.
z	Tijuana, B. Cfa.
z	Mexico City, D.F., Av. Claudio Bernard.
a	Barquisimeto, Venez., "Radio Barquisimeto"

1480 kcs. (202.6 m.)

CFCT	....	500
CHGS	F	50
CMHX	....	250
KCMO	....	1000(5)
KGCN	F	1000
KIEM	M	500(1)
KTBS	N	1000
WAGA	B	500(1)
WGAR	C	1000(5)
WHOM	....	500(1)
WSAR	....	1000

a	Victoria, B. C., Victoria Brdcastg. As'n.
a	Summerside, P.E.I., R. T. Holman, Ltd.
a	Cienfuegos, Cuba, J. Garcia R.
a	Kansas City, Mo., KCMO Brdcastg. Co.
a	Wolf Point, Mont., E. E. Krebsback.
a	Eureka, Calif., Redwood Brdcastg. Co.
a	Shreveport, La., Tri-State Brdcastg. Sys., Inc.
a	Atlanta, Ga., Liberty Brdcastg. Corp.
a	Cleveland, Ohio, WGAR Brdcastg. Co.
a	Jersey City, N. J., N. J. Brdcastg. Corp.
DMYf	Fall River, Mass., Doughty & Welch Elec. Co., Inc.

1490 kcs. (201.2 m.)

CFRC	F	100
CHLP	F	100
CHC	F	100
CMCA	2	250
CMKF	....	250
CMOX	2	250
KAWN	....	100(.25)
KBIX	EM	250
KBKR	....	250
KBST	....	100
KBUR	P	250
KDAL	C	250
KDB	EM	250
KDRO	....	250
KEYS	....	250
KGFI	....	100(.25)
KGKB	....	250
KGKY	....	250
KNEL	....	100(.25)
KNOW	....	250
KOTN	....	250
KOVC	....	250
KPAB	....	250
KPLC	....	250
KPLT	....	250
KPO	M	250
KRRR	M	100(.25)
KSAM	D	250
KTBI	....	250
KTOH	....	250
KVOE	M	250
KVWC	....	250
KWEW	....	100
KXO	....	100
KYCA	E	250
WBAB	C	250
WBOC	....	250
WBTA	P	250
WDAN	....	250
WDBC	P	250
WDNC	C	250
WERC	....	100(.25)
WGAL	....	250
WGKV	....	100
WGTC	....	250
WHBB	....	100
WIGM	P	100

a	Kingston, Ont., Queens University.
a	Montreal, P.Q., La Patrie Pub. Co.
a	Sault Ste. Marie, Ont., Whitby & Hyland.
a	Havana, Cuba, Tester y Gonzalez.
z	Holguin, Cuba, Manuel De Gongora.
a	Havana, Cuba, Perez y Chisholm.
a	Gallup, N. Mex., A. W. Mills.
a	Muskogee, Okla., Okla. Press Pub. Co.
a	Baker, Ore., Louis P. Thornton.
MTa	Big Spring, Tex., Big Spring Herald Brdcastg. Co.
z	Burlington, Iowa, Burlington Brdcastg. Co.
a	Duluth, Minn., Red River Brdcastg. Co., Inc.
a	Santa Barbara, Calif., Santa Barbara Brdcastrs., Ltd.
z	Sedalia, Mo., Drolich Bros.
a	Corpus Christi, Tex., Nueces Brdcastg. Co.
a	Brownsville, Tex., Eagle Brdcastg. Co., Inc.
MTa	Tyler, Tex., East Texas Brdcastg. Co.
a	Scottsbluff, Nebr., Hilliard Co.
a	Brady, Tex., G. L. Burns.
MTa	Austin, Tex., Frontier Brdcastg. Co., Inc.
a	Pine Bluff, Ark., Universal Brdcastg. Corp.
a	Valley City, N. Dak., KOVC, Inc.
a	Laredo, Tex., Mervel M. Valentine.
a	Lake Charles, La., Calcasieu Brdcastg. Co.
MTa	Paris, Tex., North Texas Brdcastg. Co.
a	Wenatchee, Wash., Westcoast Brdcastg. Co.
a	Roseburg, Ore., News-Review Pub. Co.
a	Huntsville, Tex., Sam Houston Brdcastg. Assn.
z	Tacoma, Wash., Tacoma Broadcasters, Inc.
a	Lihue, Hawaii, Garden Island Pub. Co., Ltd.
a	Santa Ana, Calif., Voice of the Orange Empire, Inc.
MTa	Vernon, Tex., Northwestern Brdcastg. Co.
a	Hobbs, N. Mex., W. E. Whitmore.
Ma	El Centro, Calif., Valradio Co., Inc.
a	Prescott, Ariz., Southwest Brdcastg. Co.
a	Atlantic City, N. J., Press Union Pub. Co.
a	Salisbury, Md., Peninsula Brdcastg. Co.
z	Batavia, N. Y., Batavia Brdcastg. Corp.
a	Danville, Ill., Northwestern Pub. Co.
z	Escanaba, Mich., Delta Brdcastg. Co.
a	Durham, N. C., Durham Radio Corp.
Ca	Eric, Pa., Presque Isle Brdcastg. Corp.
IMNQa	Lancaster, Pa., WGAL, Inc.
Na	Charleston, W. Va., Kanawha Valley Brdcastg. Co.
a	Greenville, N. C., Greenville Brdcastg. Co.
a	Selma, Ala., Selma Brdcastg. Co., Inc.
z	Medford, Wis., Geo. F. Meyer.

BROADCASTING STATIONS BY FREQUENCIES

wJBB	....	250	a	Detroit, Mich., J. F. Hopkins, Inc.
WKBB	N	250	a	Dubuque, Iowa, Sanders Bros.
WKBB	....	100	a	Richmond, Ind., Knox Radio Corp.
WKBB	....	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.
AMRC	....	250	a	Greenville, S. C., Textile Brdcastg. Co.
WMRF	P	250	z	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.
WTMY	....	250	a	East St. Louis, Ill., Miss. Valley Brdcastg. Co., Inc.
WWSW	....	250	Qa	Pittsburgh, Pa., Walker & Downing Radio Corp.
XEGH	....	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.
XEXU	....	100	z	Saltillo, Coah.
YV4RR	....	750	a	Puerto Cabello, Venez. "Radio Pto. Cabello".

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	e	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.)

KFRK	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.)

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

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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	1450
WHMA	1450
Birmingham	
WAPI	1170
WBRC	960
WSGN	1340
Decatur	
WMSL	1400
Dothan	
WAGF	1400
Gadsden	
WJBY	1240
Huntsville	
WHIP	1230
Mobile	
WALA	1410
WMOB	1230
Montgomery	
WCVO	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
KTAR	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	
KTIS	1090
KWFC	1340
Jonesboro	
KBTM	1230
Little Rock	
KARK	920
KGHI	1230
KLRA	1420
Pine Bluff	
KOTN	1490
Siloam Springs	
KUOA	1290

CALIFORNIA

Bakersfield	
KERN	1410
KPMC	1600
Berkeley	
KRE	1400
Beverly Hills	
KMPC	710
Chico	
KIISL	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
Merced	
KYOS	1080
Modesto	
KTRB	860
Monterey	
KDON	1240
Oakland	
KLS	1310
KLX	910
KROW	960
Pasadena	
KPPC	1240
Redding	
KVCV	1230
Sacramento	
KFBK	1530
KROY	1240
San Bernardino	
KFXM	1240
San Diego	
KFMB	1450
KFSD	600
KGB	1360
San Francisco	
KPRC	610
KGO	810
KIJS	1100
KPO	680
KSAN	1450
KSFO	560
KYA	1260
San Jose	
KQW	740
San Luis Obispo	
KVEC	1230
Santa Ana	
KVOE	1490
Santa Barbara	
KDB	1490
KTMS	1250
Santa Rosa	
KSRO	1350
Stockton	
KGDM	1130
KWG	1230
Visalia	
KTKC	920
Watsonville	
KHUB	1340

COLORADO

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

KMYR	1340
KOA	850
KPOF	910
KVOD	630
Jurango	
KIUP	1400
Jrand Junction	
KFXJ	1230
Greeley	
KFKA	910
La Junta	
KOKO	1400
Lamar	
KIDW	1450
Pueblo	
KGHF	1350
Sterling	
KGEK	1230

CONNECTICUT

Bridgeport	
WTCC	600
WNAB	1450
Hartford	
WVDR	1360
WTTT	1080
WTHT	1230
New Britain	
WNBC	1410
New Haven	
WEHI	960
New London	
WNLC	1490
Stamford	
WRRR	1400
Waterbury	
WATR	1320
WBRY	1590

DELAWARE

Wilmington	
WDEL	1150
WILM	1450

DISTRICT OF COLUMBIA

Washington	
WINX	1340
WISV	1500
WMAL	630
WOL	1260
WRC	980
WWDC	1450

FLORIDA

Daytona Beach	
WMFJ	1450
De Land	
WPER	1340

Ft. Lauderdale	
WFTL	1400
Ft. Myers	
WFTM	1240
Gainesville	
WRUF	800
Jacksonville	
WTAX	930
WJHP	1320
WMBR	1400
Lakeland	
WLAK	1340
Miami	
WTOD	610
WQAM	500
Miami Beach	
WKAT	1360
Ocala	
WTMC	1490
Orlando	
WDBO	580
WLOF	1230
Panama City	
WDLP	1230
Pensacola	
WCOA	1370
St. Augustine	
WFOY	1240
St. Petersburg	
WSUN	620
WTSP	1380
Sarasota	
WSPB	1450
Tallahassee	
WTAL	1340
Tampa	
WDAE	1250
WFLA	940
West Palm Beach	
WJNO	1230

GEORGIA

Albany	
WALB	1500
WGPC	1450
Athens	
WGAU	1340
Atlanta	
WAGA	1480
WATL	1400
WGST	920
WSB	750
Augusta	
WGAC	1240
WRDW	1490
Brunswick	
WMOG	1490
Cedartown	
W6AA	1340
Columbus	
WRBL	1230
Cordele	
WMJM	1490
Dalton	
WBLJ	1230

BROADCASTING STATIONS BY LOCATIONS

Gainesville
WGGA 1240

Griffin
WKEU 1450

La Grange
WLAG 1240

Macon
WBML 1240
WMAZ 940

Moultrie
WMGA 1400

Rome
WRGA 1490

Savannah
WSAV 1340
WTOC 1290

Thomasville
WPAV 1240

Toccoa
WRLC 1450

Valdosta
WGOV 1450

Waycross
WAYX 1230

West Point
WDAK 1340

HAWAII

Hilo
KHBC 1230

Honolulu
KGM B 590
KGU 760

Lihue
KTOH 1490

IDAHO

Boise
KTDO 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
WAAP 950
WBBM 780

WCB D 1110
WCFL 1000

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

Cicero
WIIFC 1450

Danville
WDAN 1490

Decatur
WSOY 1340
East St. Louis
WTMV 1490

Galesburg
WGIL 1400

Harrisburg
WEBQ 1240

Herrin
WJPF 1340

Jacksonville
WLDS 1180

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
WIBU 1240

Elkhart
WTRC 1340

Evansville
WEOA 1400
WGBF 1280

Fort Wayne
WGL 1450
WOWO 1190

Gary
WIND 560

Hammond
WHIP 1520
WJOB 1230

Indianapolis
WFBB 1260
WIBC 1070
WIRE 1430
WISH 1310

Kokomo
WKMO 1400

Muncie
WLBC 1340

New Albany
WGRC 1400

Richmond
WKBV 1490

South Bend
WSBT 960

Terre Haute
WBOW 1230

Vincennes
WAOV 1450

West Lafayette
WBAA 920

IOWA

Ames
WOI 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
WIO 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

Sioux City
KMA 960
KSCJ 1360
KTRI 1450

KANSAS

Atchinson
KVAK 1450

Coffeyville
KGGF 690

Dodge City
KGNO 1370

Emporia
KFSW 1400

Garden City
KIUL 1240

Great Bend
KVGB 1400

Hutchinson
KWBB 1450

Kansas City
KCKN 1340

Lawrence
KFKU 1250
WREN 1250

Manhattan
KSAC 580

Pittsburg
KOAM 810

Salina
KSAL 1150

Pepeka
WFBW 580

Wichita
KANS 1240
KFBI 1070
KFH 1330

KENTUCKY

Ashland
WCMH 1340

Bowling Green
WLB 1340

Harlan
WHLN 1450

Henderson
WSON 860

Hopkinsville
WHOP 1230

Lexington
WLAP 1450

Louisville
WAVE 970
WLAS 840
WNN 1240

Owensboro
WOMI 1490

Paducah
WPA 1450

LOUISIANA

Alexandria
KALB 1240

Baton Rouge
WJRO 1150

Lafayette
KVOL 1340

Lake Charles
KPLC 1490

Monroe
KMLB 1230

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

Shreveport
KRMD 1340
KTBS 1480
KWKH 1130

MAINE

Augusta
WRDO 1400

Bangor
WAB 1230
WLBZ 620

Lewiston
WCOU 1240

Portland
WCNH 970
WGAN 560

Presque Isle
WAGM 1450

MARYLAND

Baltimore
WBAL 1000
WBAL 770

WCAO 600
WCHM 1400

WFRB 1300
WTHI 1230

Cumberland
WTBO 820

Frederick
WFMD 930

Hagerstown
WTEJ 1240

Salisbury
WBOC 1490

MASSACHUSETTS

Boston
WAAB 1440
WBZ 1030

WOP 1150
WEEI 590
WHDH 850

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
WLIH 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
WIBK 1490
WJLB 1400
WTR 760

WWJ 950
WXYZ 1270

East Lansing
WVKR 870

Escanaba
WDBC 1490

BROADCASTING STATIONS BY LOCATIONS

Flint
WDFD 910

Grand Rapids
WASH 1130
WGRB 1230
WLAV 1310
WOOD 1300

Ironwood
WJMS 1450

Jackson
WIBM 1450

Kalamazoo
WKZO 590

Lansing
WJLM 1210

Lapeer
WMPC 1230

Marquette
WDMJ 1340

Muskegon
WKBZ 1490

Pontiac
WCAR 1130

Port Huron
WILS 1450

Royal Oak
WEXL 1340

Saginaw
WHAJ 980
WSAM 1230

Sault Ste. Marie
WSOO 1230

Traverse City
WTCM 1400

MINNESOTA

Albert Lea
KATE 1450

Duluth
KDAL 1490
WBCB 1320

Fergus Falls
KGDE 1230

Hibbing
WMFG 1240

Mankato
KYSM 1230

Minneapolis
WCCO 830
WDGY 1130
WLB 770
WLOL 1330
WTCN 1280

Moorhead
KVON 1340

Northfield
WCAL 770

Rochester
KROC 1340

St. Cloud
KFAM 1450

St. Paul
KSTP 1500
WMN 1400

Virginia
WHLR 1400

Willmar
KWLM 1340

Winona
KWNO 1230

MISSISSIPPI

Columbus
WCBI 1400

Greenville
WJPR 1310

Greenwood
WGRM 1240

Gulfport
WGCM 1240

Hattiesburg
WFOR 1400

Jackson
WJDX 1300
WSLI 1450

Laurel
WAMI 1340

McComb
WSKB 1230

Meridian
WCOB 910

Natchez
WMIS 1490

Vicksburg
WQBC 1390

MISSOURI

Cape Girardeau
KFVS 1400

Clayton
KFUO 850

Columbia
KFRL 1400

Hannibal
KHMO 1340

Jefferson City
KWOS 1340

Joplin
WMBH 1450

Kansas City
KCMO 1480
KTFE 1500
KMBC 980
WDAF 610
WHB 880

Poplar Bluff
KWOC 1340

St. Joseph
KFEO 680

St. Louis
KMOX 1120
KSD 550
KWK 1380
KNOK 630
WEW 770
WHL 1230

Sedalia
KDRO 1490

Springfield
KGBX 1260
KWTO 560

MONTANA

Billings
KGHL 790

Bozeman
KRBM 1450

Butte
KGIR 1370

Great Falls
KFBB 1310

Helena
KPFA 1240

Kalispell
KGEZ 1340

Miles City
KRJF 1340

Missoula
KGVO 1290

Wolf Point
KGCN 1480

NEBRASKA

Fremont
KORN 1400

Grand Island
KMMJ 750

Hastings
KHAS 1230

Kearney
KGFV 1340

Lincoln
KFAB 780
KFOR 1240

Norfolk
WJAG 1090

North Platte
KGNF 1460

Omaha
KOIL 1290
KOWH 660
WOW 590

Scottsbluff
KGKY 1490

NEVADA

Las Vegas
KENO 1400
KFUN 1450

Reno
KOH 630

NEW HAMPSHIRE

Keene
WKNE 1290

Laconia
WLNH 1340

Manchester
WFEA 1370
WMIJ 610

Portsmouth
WHEB 750

NEW JERSEY

Asbury Park
WCAP 1310

Atlantic City
WBAB 1110
WEPG 1450

Bridgeton
WSNJ 1240

Camden
WCAM 1310

Jersey City
WAAT 970
WHOM 1480

Newark
WHBI 1280

Paterson
WPAT 930

Red Bank
WBRB 1240

Frenton
WTNJ 1310

Zarephath
WAWZ 1380

NEW MEXICO

Albuquerque
KGM 1260
KOB 1030

Carlsbad
KAVE 1240

Clovis
KICA 1400

Gallup
KAWM 1490

Hobbs
KWEW 1490

Roswell
KGFL 1400

Santa Fe
KVSF 1340

Tucumcari
KTNM 1400

NEW YORK

Albany
WABY 1400
WOKO 1460

Auburn
WMBO 1340

Batavia
WBTA 1490

Binghamton
WBNF 1490

Brooklyn
WBYN 1430
WBBR 1330
WCNV 1600

Buffalo
WBBN 930
WBNY 1400
WBRB 1340
WGR 550
WKBA 1520
WSVS 1400

Canton
WCAD 1250

Elmira
WENY 1230

Endicott
WLAN 1450

Freeport
WGBB 1240

Ithaca
WHCU 870

Jamestown
WJTN 1240

Kingston
WRNY 1490

Newburgh
WGNY 1250

New York
WABC 880
WBNX 1380
WEAF 660
WEVD 1330
WHN 1050
WINS 1000
WJZ 770
WMCA 570
WNEW 1280
WNYC 830
WOR 710
WOV 1130
WQXR 1560

Niagara Falls
WHL 1290

Ogdensburg
WSLB 1400

Olean
WHD 1450

Plattsburg
WMFF 1340

Poughkeepsie
WKIP 1450

Rochester
WHAM 1180
WHEC 1460
WSAY 1240

Saranac Lake
WNBZ 1320

Schenectady
WGY 810

Syracuse
WAGE 620
WFBL 1390
WOLF 1490
WSYR 570

Troy
WHAZ 1330
WTRY 980

Utica
WIBX 1230

Watertown
WATN 1240
WVNY 1300

White Plains
WFAS 1240

Woodside
WWRL 1600

NORTH CAROLINA

Asheville
WISE 1230
WUNC 570

Burlington
WBBB 920

Charlotte
WAYS 610
WBT 1110
WSOC 1240

Durham
WDNC 1490

Elizabeth City
WCNC 1400

Fayetteville
WFNC 1370

Gastonia
WGNC 1450

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
 WAIR 1340
 WSJS 600

NORTH DAKOTA

Bismarck
 KFVR 550
Devils Lake
 KDLR 1240
Fargo
 WDAY 970
Grand Forks
 KFJM 1440
Jamestown
 KRMC 1400
Mandan
 KGCU 1270
Minot
 KLPM 1390
Valley City
 KOVC 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 1160
Columbus
 WBNS 1460
 WCOL 1230
 WHKC 640
 WOSU 570
Dayton
 WHIO 1290
 WING 1410
Lima
 WLOK 1240
Mansfield
 WMAN 1460
Marion
 WMRN 1490
Portsmouth
 WPAV 1460
Springfield
 WIZE 1340
Steubenville
 WSTV 1340
Toledo
 WSPD 1370
 WTOL 1230
Youngstown
 WFMI 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 1530
 KTOK 1400
 WKY 930
Okmulgee
 KHBG 1240
Ponca City
 WBBZ 1230
Shawnee
 KGFF 1450
Fulsa
 KOMF 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 1390
The Dalles
 KODL 1230

PENN- SYLVANIA

Allentown
 WCBZ 1470
 WSNL 1170
Altoona
 WFBG 1340
Butler
 WISR 680
DuBois
 WCED 1230
Easton
 WEST 1400
Erie
 WERC 1490
 WLEU 1450
Glenside
 WJBG 990
Greensburg
 WHJB 620
Grove City
 WSAJ 1340
Harrisburg
 WHP 1460
 WKBO 1230
Hazleton
 WAZL 1450
Johnstown
 WJAC 1400
Lancaster
 WGAI 1490
Lewistown
 WMRF 1490
New Castle
 WKST 1280
New Kensington
 WKPA 1150

Philadelphia
 KYW 1060
WCAU 1210
 WDAS 1400
 WFIL 560
 WYAT 1340
 WIP 610
 WPEN 950
 WTEL 1340
Pittsburgh
 KDKA 1020
 KOV 1410
 WCAE 1250
 WTAS 1320
 WWSW 1490
Reading
 WEEU 850
 WRAW 1310
Scranton
 WARM 1400
 WGBI 910
 WQAN 910
Sharon
 WPIC 790
Sunbury
 WKOK 1240
Uniontown
 WMBS 590
Wilkes-Barre
 WBAX 1240
 WBRE 1340

Williamsport
 WRAC 1400
York
 WORK 1350

PUERTO RICO

Mayaguez
 WPRA 790
Ponce
 WPAB 1370
 WPRP 1520
San Juan
 WIAC 580
 WKAQ 620
 WNEL 1320

RHODE ISLAND

Pawtucket
 WFCI 1420
Providence
 WEAN 790
 WIAR 920
 WPRO 630

SOUTH CAROLINA

Anderson
 WAIM 1230
Charleston
 WCSC 1390
 WTMA 1250
Columbia
 WCOS 1400
 WIS 560

Florence
 WOIS 1230
Greenville
 WFBC 1330
 WMRC 1490
Greenwood
 WMDF 1450
Spartanburg
 WORD 1400
 WSPA 950
Sumter
 WFIG 1340

SOUTH DAKOTA

Aberdeen
 KABR 1420
Brookings
 KFDY 790
Pierre
 KGFX 630
Rapid City
 KOBI 1400
 WCAT 1230
Sioux Falls
 KELO 1230
 KSOO 1140
Vermillion
 KUSD 920
Watertown
 KWAT 1240
Yankton
 WNAX 570

TENNES- SEE

Bristol
 WOPI 1490
Chattanooga
 WAPO 1150
 WDEF 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
 WMPS 1460
 WREC 600
Nashville
 WLAC 1510
 WSIX 1240
 WSM 650

BROADCASTING STATIONS BY LOCATIONS.

TEXAS	Midland	Rutland	Pullman	WISCON- SIN
Abilene KRBC 1450	KRLH 1450	WSYB 1490	KWSC 1250	Appleton WIBY 1230
Amarillo KFDA 1230 KGNC 1440	Palestine KNET 1450	St. Albans WWSR 1420	Seattle KEVR 1400	Ashland WATW 1400
Austin KNOW 1490 KTBC 1150	Pampa KPDN 1340	Waterbury WDEV 550	KIRO 710 KJR 1000 KOL 1300 KOMO 950 KRSC 1150 KTW 1250 KXA 770	Eau Claire WEAU 1070 Fond du Lac KFIZ 1450
Beaumont KFDM 560 KRIC 1450	Paris KPLT 1490	VIRGINIA	Spokane KFIO 1150 KFYP 920 KGA 1510 KHQ 590	Green Bay WTAQ 1360
Big Spring KBSI 1490	Pecos KIUN 1400	Charlottesville WCHV 1450	Tacoma KTBI 1490 KTPN 1430 KMO 1360 KVI 570	Janesville WCLO 1230
Brady KNEL 1490	Port Arthur KPAC 1250	Covington WJMA 1310	Vancouver KVAN 910	La Crosse WKBH 1410
Brownsville KGFI 1490	San Angelo KGKL 1400	Danville WBTM 1400	Walla Walla KUJ 1420	Madison WFA 970 WBA 1310
Brownwood KBWD 1380	San Antonio KABC 1450 KMAC 1400 KONO 1400 KTSI 550 WQAT 1200	Fredericks- burg WFVA 1290	Wenatchee KPO 1490	Manitowoc WOMT 1240
College Station WTAW 1150	Sherman KRRV 910	Harrisonburg WSVA 550	Yakima KIT 1280	Marinette WMAM 570
Corpus Christi KEYS 1490 KRIS 1360	Sweetwater KXOX 1240	Lynchburg WLVA 1230	WEST VIRGINIA	Medford WIGM 1490
Corsicana KAND 1340	Temple KTEM 1400	Martinsville WMVA 1450	Breckley WJLS 1240	Milwaukee WEMP 1340
Dallas KRI.D 1080 KSKY 660 WFAA 820 WRR 1310	Texasarkana KCMC 1450	Newport News WGH 1340	Bluefield WHHS 1440	WISN 1150 WTMJ 620
Denton KDNT 1450	Tyler KGKB 1490	Norfolk WTFAR 790	Charleston WCHS 580 WGV 1490	Poynette WIBU 1240
Dublin KFPL 1340	Vernon KVWC 1490	Petersburg WPTD 1240	Clarksburg WBLK 1400	Racine WRJN 1400
El Paso KROD 600 KTSM 1380	Victoria KVIC 1340	Richmond WBBL 1240 WMBG 1380 WRNL 910 WRVA 1140	Fairmont WMMN 920	Rice Lake WJMC 1240
Fort Worth KFJZ 1270 KGKO 570 WBAP 820	Waco WACO 1450	Roanoke WDBI 960 WSTL 1490	Huntington WSAZ 930	Sheboygan WHBL 1330
Galveston KLUF 1400	Weslaco WRGV 1290	Suffolk WLPN 1450	Logan WLOG 1230	Stevens Point WLBI 930
Harlingen KGBS 1240	Wichita Falls KWFT 620	Winchester WINC 1400	Morgantown WAJR 1230	Superior WDSM 1230
Houston KPRC 950 KTRH 1320 KXYZ 1470	UTAH	WASHINGTON	Parkersburg WPAR 1450	Wausau WSAU 1400
Huntsville KSAM 1490	Cedar City KSUB 1340	Aberdeen KNRO 1340	Welch WBRW 1340	Wisconsin Rapid WFHR 1340
Kilgore KOCA 1240	Logan KVNU 1230	Bellingham KVOS 1230	Wheeling WKWK 1400 WVVA 1170	WYOMING
Laredo KPAB 1490	Ogden KLO 1430	Centralia KELA 1470	Williamson WBTH 1400	Casper KDFN 1470
Longview KFRO 1370	Price KEUB 1450	Everett KEVE 1460 KRKO 1400		Cheyenne KFBC 1450 KYAN 1400
Lubbock KFYO 1340	Provo KOV0 1240	Longview KWLK 1400		Powell KPOW 1230
Lufkin KRBA 1340	Salt Lake City KDYL 1320 KSL 1160 KUTA 570	Olympia KGY 1240		Rock Springs KVR5 1400
	VERMONT			Sheridan KWYO 1400
	Burlington WCAX 1230			

BROADCASTING STATIONS BY LOCATIONS

CANADA

ALBERTA

Calgary
CFAC 960
CFCN 1010
CJ CJ 1230

Edmonton
CFRN 1260
CICA 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
CJOR 600
CKMO 1410
CKWX 980

Victoria
CFCT 1480

MANITOBA

Brandon
CKX 1150

Flin Flon
CFAR 1400

Winnipeg
CIRC 630
CKY 990

NEW BRUNSWICK

Campbellton
CKNB 1240

Fredericton
CFNB 550

Moncton
CKCW 1400

Sackville
CBA 1070

St. John
CJJSJ 1150

NOVA SCOTIA

Glace Bay
VAS 685

Halifax
CHNS 950

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
CHO 910
CKCO 1340

Owen Sound
CFOS 1400

Port Arthur
CKPR 580

Prescott
CFCL 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
CFPC 630
CHCK 1340

Summerside
CHGS 1480

QUEBEC

Chicoutimi
CBJ 1240

Hull
CKCH 1240

Montreal
CBF 690
CBM 940
CFCP 600
CHLP 1490
CKAC 730

New Carlisle
CHNC 610

Québec
CBV 980
CHRC 1400
CKCV 1340

Rimouski
CJBR 900

Rouyn
CKRN 1400

Ste. Anne de la Pocietiere
CJHG 1230

Sherbrooke
CHLT 1240

Three Rivers
CHLN 1450

Val d'Or
CKVD 1230

SASKATCHEWAN

Moose Jaw
CHAB 1220

Prince Albert
CKBI 900

Regina
CIRM 980
CKCK 620

Saskatoon
CFQC 600

Watrous
CBK 540

Yorkton
CJGX 1460

CUBA

Artemisa
CMAN 830

Banes
CMKN 1090

Caibarien
CMHD 1560

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

Cardenas
CMBX 1390
CMGE 1470

Ciego de Avila
CMJH 1370
CMJI 1140
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
CMBN 1390
CMBY 1110
CMBZ 950
CMC 1360
CMCA 1490
CMCB 1390
CMCF 910
CMCG 1460
CMCH 1290
CMCJ 1580
CMCK 980
CMCM 1060

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
CMIA 1280

Sancti Spiritus
CMHB 1410

Santa Clara
CMHI 570
CMIN 960
CMHO 1250
CMHQ 810

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

Trinidad
CMHT 990

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
 XEAA 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
 XEJK 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
 XEKS 1330
 XESI 1420
 XEXU 1490

Torreon
 XEBP 1260
 XEBQ 1450
 XED 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
 XEL 1260
 XELA 830
 XELZ 1440
 XEMC 1590
 XEMX 1380
 XEN 690
 XENK 620
 XEOF 560
 XEPH 590
 XEPX 1000
 XEO 940
 XEOK 1350
 XERC 790
 XERI 1500
 XESM 1470
 XEST 1060
 XEV 900
 XEXX 860

DURANGO

Durango
 XEE 1280

GUANAJUATO

Irapuato
 XEBO 1330

Leon
 XFFM 1270
 XERZ 550

Silao
 XEWE 1400

GUERRERO
 Acapulco
 XEKJ 1400

JALISCO

Guadalajara
 XEAD 1310
 XED 680
 XEDK 1250
 XEGT 1490
 XEIK 960
 XEIL 1370
 XELW 1340
 XEXM 1400

Guzman
 XEBA 1270

MEXICO

Texcoco
 XENE 1450

Toluca
 XECH 1490
 XEXS 1340

MICHOACAN

Morelia
 XEBC 1270
 XEI 1400
 XESF 600

Zamora
 XEGC 1450

NAYARIT

Tepec
 XERK 1450
 XEXT 980

NUEVO LEON

Monterrey
 XEAW 1570
 XEFB 630
 XEG 1050
 XEH 1250
 XEMG 1310
 XEMR 1370
 XET 990
 XEX 1280

OAXACA

Oaxaca
 XENH 1270

PUEBLA

Puebla
 XEFD 1170
 XEIR 1090

SAN LUIS POTOSI

San Luis Potosi
 XERM 1260
 XECZ 1430
 XEXO 1400

SINALOA
 Culiacan
 XEGF 1300
 XESA 1360

Los Mochis
 XECF 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
 XERO 1450

TAMAULIPAS

Madero
 XETR 1490

Matamoros
 XEAM 1400
 XEO 970
 XEXP 1450

Nuevo Laredo
 XERK 1340
 XEDF 1260

XEFE 960
 XELC 1410
 XELF 1380
 XELH 1460
 XELJ 790
 XENT 1140

Reynosa
 XEAZ 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
 XEFT 1250
 XEU 960
 XENF 1490

YUCATAN

Merida
 XEFC 1340
 XEFK 1450
 XEME 1270
 XEMH 1400
 XEZ 600

Progreso
 XEOK 1430

ZACATECAS

Fresnillo
 XEMA 1340

Zacatecas
 XELK 1280

NORTH AMERICA

BAHAMAS
 Nassau
 ZNS 790

COSTA RICA

Heredia
 T4NRH 725

San Jose
 TIEP 830
 TIGH 690

TIGH 605
 TIGPH2 1225
 TING 750
 TIPG 625
 TIRCC 1200

BROADCASTING STATIONS BY LOCATIONS

DOMINI CAN REPUBLIC		
Ciudad		
Trujillo		
H1N	1090	
H1X	950	
H1Z	1350	
H18Q	1470	
EL SALVADOR		
San Salvador		
YSS	640	
GUATE- MALA		
Guatemala		
City		
TGW	1520	
TGI	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		Coro	YV1RW 1370
Barcelona		La Guaira	YV5RZ 1050
YV6RE	1080	Maracaibo	
Barquisimeto		YV1RA	1300
YV3RA	1270	YV1RC	140w
YV3RE	1475	YV1RD	1153
Bolivar		YV1RE	1120
YV6RA	1400	YV1RK	1250
Caracas		Maracay	
YVKA	630	YV4RD	1153
YV5RA	960	YV4RL	1430
YV5RB	790	Puerto Cabello	YV4RR 1490
YV5RG	1010	San Cristobal	YV2RB 980
YV5RI	590	Valencia	
YV5RL	1160	YV4RA	1350
YV5RQ	882	YV4RE	1400

BROADCASTING STATIONS BY FREQUENCIES

(Concluded from Page 79)

1590 kcs. (188.6 m.)

KITE	M	1000
WAKR	BP	1000
WALB	P	1000
WBRV	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
WWRI	2	250
XEAB	....	5000

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

New Oviedo Spain

EAJ22 on 7140 kcs. is a comparatively new station being heard regularly lby DXers in this country from 3-5 p.m. with English heard at 4:15 p.m. Charles E. Watts thinks this is the station Eugene Gross heard giving British News Bulletins.

KZND not KZNB

Oliverio J. Lapera of the Philippines corrects his previous report stating that the National Defense station reported as KZNB on 17600 kcs. is really KZNB on 8790 kcs., previous report was on an harmonic of regular frequency heard due to proximity to the station.

BROADCASTING STATIONS BY CALL LETTERS

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

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

BROADCASTING STATIONS BY CALL LETTERS

KPMC	1600	KSAL	1150	KTSW	1400	KWFC	1340	TIEP	830	WARM	1400
KPO	680	KSAM	1490	KTUC	1400	KWFT	620	TIGH	690	WASH	1300
KPOF	910	KSAN	1450	KTUL	1430	KWG	1230	TIGPH	605	WATL	1400
KPOW	1230	KSCJ	1360	KTW	1250	KWIL	1240	TIGPH2	1225	WATN	1240
KPPC	1240	KSD	550	KUIN	1340	KWJB	1240	TING	750	WATR	1320
KPQ	1490	KSEI	930	KUJ	1420	KWJJ	1080	TIPG	625	WATW	1400
KPRC	950	KSFO	560	KUOA	1290	KWK	1380	TIRCC	1200	WAVE	970
KQV	1410	KSKY	660	KUSD	920	KWKH	1130	TI4NRH	725	WAWZ	1380
KQW	740	KSL	1160	KUTA	570	KWLC	1240	VAS	685	WAYX	1230
KRBA	1340	KSLM	1390	KVAK	1450	KWLK	1400	VOGY	840	WAYS	610
KRBC	1450	KSO	1460	KVAN	910	KWLM	1340	VONF	640	WAZL	1450
KRBM	1450	KSOO	1140	KVCV	1230	KWNO	1230	VOWR	700	WBAA	920
KRE	1400	KSRO	1350	KVEC	1230	KWOC	1340	WAAB	1440	WBAB	1490
KRGV	1290	KSTP	1500	KVFD	1400	KWOS	1340	WAAF	950	WBAL	770
KRIC	1450	KSUB	1340	KVGB	1400	KWSC	1250	WAAT	970	WBAL	1090
KRIS	1360	KSUN	1230	KVI	570	KWTO	560	WABC	880	WBAP	820
KRJF	1340	KSWO	1150	KVIC	1340	KWYO	1400	WABI	1230	WBAX	1240
KRKD	1150	KTAR	620	KVNU	1230	KXA	770	WABY	1400	WBBB	920
KRKO	1400	KTBC	1150	KVOA	1290	KXL	1450	WACO	1450	WBBL	1240
KRLC	1400	KTBI	1490	KVOD	630	KXO	1490	WADC	1350	WBBM	780
KRLD	1080	KTBS	1480	KVOE	1490	KXOK	630	WAGA	1480	WBBR	1330
KRLH	1450	KTEM	1400	KVOL	1340	KXOX	1240	WAGE	620	WBBZ	1230
KRMC	1400	KTFI	1270	KVOO	1170	KXRO	1340	WAGF	1400	WBCM	1440
KRMD	1340	KTHS	1090	KVOR	1300	KXYZ	1470	WAGM	1450	WBEN	930
KRMR	1490	KTKC	920	KVOS	1230	KYA	1260	WAIM	1230	WBHP	1230
KRMT	1350	KTMS	1250	KVOX	1340	KYAN	1400	WAIR	1340	WBIG	1470
KROC	1340	KTOH	1490	KVRS	1400	KYCA	1490	WAJR	1230	WBIR	1240
KRCD	600	KTOK	1400	KVSF	1340	KYOS	1080	WAKR	1590	WBLJ	1230
KROS	1340	KTPN	1430	KVSO	1240	KYSM	1230	WALA	1410	WBLK	1400
KROW	960	KTRB	860	KVWC	1490	KYUM	1240	WALB	1590	WBML	1240
KROY	1240	KTRH	1320	KWAL	1450	KYW	1060	WAML	1340	WBNS	1460
KRRV	910	KTRI	1450	KWAT	1240	TGQ	1450	WAOV	1450	WBNX	1380
KRSI	1150	KTSA	550	KWBW	1450	TGW	1520	WAPI	1170	WBNY	1400
KSAC	580	KTSM	1380	KWEW	1490	TGI	1310	WAPQ	1150	WBOC	1490

BROADCASTING STATIONS BY CALL LETTERS

WBOW	1230	WCHS	580	WDMJ	1340	WFBG	1340	WGH	1340	WHDF	1400
WBRB	1240	WCHV	1450	WDNC	1490	WFBL	1390	WGIL	1400	WHDH	850
WBRC	960	WCKY	1530	WDOD	1310	WFBM	1260	WGKY	1490	WHDL	1450
WBRE	1340	WCLE	610	WDRC	1360	WFCI	1420	WGL	1450	WHEB	750
WBRK	1340	WCLO	1230	WDSM	1230	WFBR	1300	WGN	720	WHEC	1460
WBRW	1340	WCLS	1340	WDSU	1280	WFDF	910	WGNC	1450	WHFC	1450
WBRY	1590	WCMI	1340	WDWS	1400	WFEA	1370	WGNV	1250	WHIO	1290
WBT	1110	WCNC	1400	WDZ	1050	WFHR	1340	WGOV	1450	WHIP	1520
WBTA	1490	WCNW	1600	WEAF	660	WFIG	1340	WGPC	1450	WHIS	1440
WBTH	1400	WCOA	1370	WEAN	790	WFIL	560	WGR	550	WHIZ	1240
WBTM	1400	WCOC	910	WEAU	1070	WFLA	940	WGRB	1230	WHJB	620
WBYN	1430	WCOL	1230	WEBC	1320	WFMD	930	WGRC	1400	WHK	1420
WBZ	1030	WCOP	1150	WEBQ	1240	WFMJ	1450	WGRM	1240	WHKC	640
WBZA	1030	WCOS	1400	WEBR	1340	WFNC	1370	WGST	920	WHKY	1400
WCAD	1250	WCOU	1240	WEDC	1240	WFOR	1400	WGTC	1490	WHLB	1400
WCAE	1250	WCOV	1240	WEED	1450	WFOY	1240	WGTM	1340	WHLD	1290
WCAL	770	WCPO	1230	WEEI	590	WFPG	1450	WGY	810	WHLN	1450
WCAM	1310	WCRW	1240	WEEU	850	WFTC	1230	WHA	970	WHLS	1450
WCAO	600	WCSC	1390	WEIM	1340	WFTL	1400	WHA1	1240	WHMA	1450
WCAP	1310	WCSH	970	WELI	960	WFTM	1240	WHAL	980	WHN	1050
WCAR	1130	WDAE	1250	WELL	1400	WFVA	1290	WHAM	1180	WHO	1040
WCAT	1230	WDAF	610	WEMP	1340	WGAA	1430	WHAS	840	WHOM	1480
WCAU	1210	WDAK	1340	WENR	890	WGAC	1240	WHAT	1340	WHOP	1230
WCAX	1230	WDAN	1490	WENY	1230	WGAL	1490	WHAZ	1330	WHP	1460
WCAZ	1080	WDAS	1400	WEOA	1400	WGAN	560	WHB	880	WHUB	1400
WCBA	1470	WDAY	970	WERC	1490	WGAR	1480	WHBB	1490	WHYN	1400
WCBD	1110	WDBC	1490	WEST	1400	WGAU	1340	WHBC	1230	WIAC	580
WCBI	1400	WDBJ	960	WESX	1230	WGBB	1240	WHBF	1270	WIBA	1310
WCBM	1400	WDBO	580	WEVD	1330	WGBF	1280	WHBI	1280	WIBC	1070
WCBS	1450	WDEF	1400	WEW	770	WGBI	910	WHBL	1330	WIBG	999
WCBT	1230	WDEL	1150	WEXL	1340	WGBR	1400	WHBQ	1400	WIBM	1450
WCCO	830	WDEV	550	WFAA	820	WGCM	1240	WHBU	1240	WIBU	1240
WCED	1230	WDGY	1130	WFAS	1240	WGES	1390	WHBY	1230	WIBW	580
WCFL	1000	WDLP	1230	WFBC	1330	WGGA	1240	WHCU	870	WIBX	1230

BROADCASTING STATIONS BY CALL LETTERS

WICA	970	WJHO	1400	WKOK	1240	WMAQ	670	WMT	600	WVOV	1130
WICC	600	WJHP	1320	WKPA	1150	WMA5	1450	WMUR	610	WOW	590
WIGM	1490	WJIM	1240	WKPT	1400	WMAW	1230	WMVA	1450	WQWO	1190
WIL	1230	WJJD	1160	WKRC	550	WMAZ	940	WNAB	1450	WPAB	1370
WILL	580	WJLB	1400	WKRO	1490	WMBD	1470	WNAC	1260	WPAR	1450
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	WMB0	1340	WNBFB	1490	WPEN	950
WINN	1240	WJNO	1230	WLAC	1510	WMBR	1400	WNBH	1340	WPAD	1450
WINS	1000	WJOB	1230	WLAG	1240	WMB5	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	WMDFB	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	WL0L	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

BROADCASTING STATIONS BY CALL LETTERS

WROL 620	WSPR 1270	WTSP 1380	XEBJ 1450	XEF 1400	XELA 830
WRRR 1310	WSRR 1400	WWDG 1450	XEBK 1340	XEFB 630	XELC 1410
WRUF 850	WSTP 1490	WWJ 950	XEBL 1260	XEFC 1340	XELF 1380
WRVA 1140	WSTV 1340	WWL 870	XEBM 1260	XEFE 960	XELH 1460
WSAI 1360	WSUI 910	WWNC 570	XEBO 1330	XEFI 1440	XELJ 790
WSAJ 1340	WSUN 620	WWNY 1300	XEBP 1260	XEFK 1450	XELK 1280
WSAM 1230	WSVA 550	WWRL 1600	XEBQ 1450	XEFM 1270	XELW 1340
WSAN 1470	WSVS 1400	WWSR 1420	XEBS 1410	XEFO 1110	XELZ 1440
WSAR 1480	WSYB 1490	WWSW 1490	XEBU 1260	XEFQ 980	XEM 1390
WSAU 1400	WSYR 570	WWVA 1170	XEBW 1280	KEFV 1270	XEMA 1340
WSAV 1340	WTAD 930	WXYZ 1270	XEBX 610	XEFW 810	XEMC 1590
WSAY 1240	WTAG 580	XEA 1370	XEBZ 660	XEFZ 1340	XEME 1270
WSAZ 930	WTAL 1340	XEAA 1340	XEC 1310	XEG 1050	XEMG 1310
WSB 750	WTAM 1100	XEAB 1600	XECA 1340	XEGC 1450	XEMH 1400
WSBC 1240	WTAQ 1360	XEAC 690	XECD 1170	XEGF 1300	XEMJ 920
WSBT 960	WTAR 790	XEAD 1310	XECF 1340	XEGM 950	XEMO 860
WSFA 1440	WTAW 1150	XEAF 1370	XECH 1490	XEGT 1490	XEMR 1370
WSGN 1340	WTAX 1240	XEAG 1280	XECL 990	XEH 1250	XEMU 580
WSIX 1240	WTBO 820	XEAI 1320	XECW 1340	XEHB 1310	XEMX 1380
WSJS 600	WTCM 1400	XEAJ 1400	XECZ 1430	XEHK 960	XEN 690
WSKB 1230	WTCN 1280	XEAM 1400	XED 680	XEHL 1370	XENK 620
WSLB 1400	WTEL 1340	XEAO 910	XEDA 1290	XEHR 1090	XENT 1140
WSLI 1450	WTHT 1230	XEAP 1290	XEDE 1400	XEI 1400	XEO 970
WSLS 1490	WTIC 1080	XEAQ 1430	XEDF 1260	XEJ 970	XEOF 560
WSM 650	WTJS 1390	XEAT 1250	XEDH 1340	XEJA 1400	XEOH 600
WSMB 1350	WTMA 1250	XEAU 1470	XEDJ 1450	XEJK 1340	XEOK 1430
WSNJ 1240	WTMC 1490	XEAW 1570	XEDK 1250	XEJP 1150	XEON 1140
WSOC 1240	WTMJ 620	XEAZ 1390	XEDL 1270	XEJR 1490	XEOT 960
WSON 860	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

XEQ	940	XES	1300	XETU	1460	XEW	900	XEXT	980	YV1RF	1120
XEQK	1350	XESA	1360	XEU	960	XEWE	1400	XEXU	1490	YV1RK	1250
XEQN	1010	XESF	600	YV5RA	960	XEWG	1360	XEXX	860	YV1RW	1370
XERB	1090	XESJ	1420	YV5RB	790	XEX	1280	XEY	1450	YV2RB	980
XERC	790	XESM	1470	YV5RG	1010	XEXE	1450	XEZ	600	YV3RA	1270
XERH	1500	XEST	1060	YV5RI	590	XEXF	1490	YNOW	1230	YV3RE	1475
XERJ	610	XESY	1320	YV5RL	1160	XEXH	1270	YNPH	660	YV4RA	1350
XERK	1450	XET	990	YV5RQ	882	XEXJ	1280	YVKA	630	YV4RD	1153
XERL	1280	XETB	1350	YV5RZ	1050	XEXM	1400	YSS	640	YV4RE	1400
XERT	1440	XETF	1250	YV6RA	1400	XEXP	1450	YV1RA	1300	YV4RL	1430
XERY	1410	XETM	1350	YV6RE	1080	XEXQ	1400	YV1RC	1400	YV4RR	1490
XERZ	550	XETR	1490	ZNS	790	XEXS	1340	YV1RD	1153		

KAIGH, George C. Hathaway. Det. 10th Signal Service Company, Fort Mills, Corregidor, P. I., has a schedule with K6RZF every Tuesday, Thursday and Saturday at 4 a.m., EST. He will send a QSL for every correct report on reception, signal strength, and tone. He works CW on 7065 kilocycles with a power of 300 watts.

SALVADOR — YS1HUB is just "HUB", a Salvador commercial station, says Tom Smith. The QRA is Radio Experimental Estacion, Direccion General de Comunicaciones Electricas, San Salvador, El Salvador. The verification—which may be had for ten cents—is a multi-colored card showing a radio tower and volcano.

TI5JRS is Julieta Saborio M.—that is, when brother Juan is away from home. Juan was in school this year at Clemson in the States and sister Julieta was at the controls. She is the second op of TI5JRS and writes a fine letter—in Spanish. She is 16 years old.

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URUGUAY—CX2AG's card is a Rueda del Oeste.

CHATTER: Our thanks to Tom Smith and Bill Scott for their reports—high spots in a dull DX season.... Bill doesn't like the idea of Joe Ribinski's that a Heard-All-States or Heard-All-Continents certificate be issued, but does think that a Verified-All-States would be a good one.... Guantanamo Bay (or the NY stations) is a separate country.... Phil Bates has a nice new SWL card.

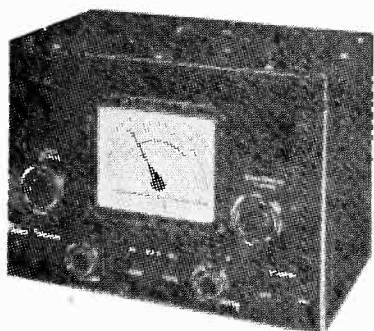
And that, club members, is the lot. Don't forget my new QRA when you're sending those reports in. It's at the top of the column.

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All time mentioned in RADEX is always Eastern Standard Time, unless otherwise specified.

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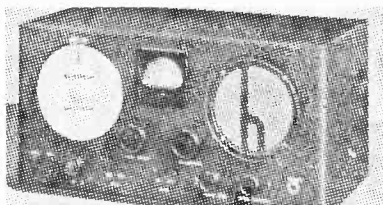
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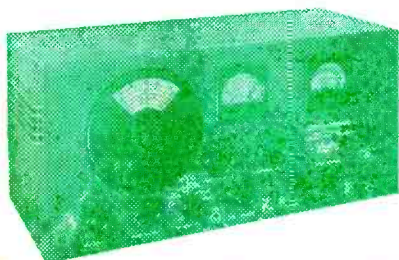
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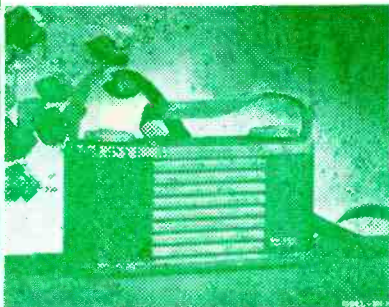
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