

# RADIO INDEX

The All-Wave Radio Log Authority

NSE

No. 143

MAY - JUNE, 1941

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Change Their Frequencies

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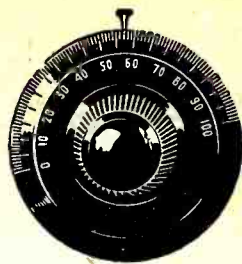
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# RADIO INDEX

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SEVENTEENTH YEAR

MAY 1, 1941

NO. 143

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B. Francis Dashiell, *Technical Editor*

Ray LaRocque, *Eastern Editor*  
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## *The Reallocation*

With no fuss, no trouble, no fanfare, and hardly a hitch, reallocation of the North American radio stations has gone into effect. At a cost which we don't dare to estimate, but which must surely be in the millions, about a thousand stations in seven countries changed their frequencies, or their power, or both, on March 29th.

The changes are all shown in this issue of RADEX, and we hope our indices will be found to be 100% accurate, but frankly, that will be a little too much to hope for. Some of the changes were tentative and there will probably be further changes before this issue reaches the newsstands.

Among the stations with tentative assignments are WJAG in Norfolk, Nebraska, which is assigned to 780 kcs. but will work on 1090 pending adjustment of domestic problems in the United States. WAPI in Birmingham is assigned to 1070 kcs. but will operate on 1170 for a while, and the frequency of 1220 kcs. is being held open to permit assignment of CJKL to it if the station should so elect.

We have tried our best to give you the complete reallocation for all the countries involved, and we sincerely hope that our efforts will meet with your unqualified approval.

Following are the comments of our Eastern Editor, Mr. Ray LaRocque, on reallocation reception in Worcester, Mass.

A check-up of the dials after the North American re-allocation reveals few interesting items. . . . The Mexican all-night, super-power border stations have not all been silenced! XEAW continues to emit its powerful voice, now on 1010 kcs. and not a sign of CBY's or CFCN's signal is audible beneath the roar of the Mexican. Doc. Baker's station XENT is also carrying on. They're making hash out of WRVA's signal on 1140 kcs., and continuing well into the night with their sessions.

Outside of this, the re-allocation seems to have worked out very well, though there are still a lot of kinks to be ironed out. Here's how the dial looked from 700 kcs. up to the graveyard channels above 1240 kcs. 730., 750, 760, 770, 790, 830, 840, 850, 870, 880, 890, 920, 960, 970, 980, 990, 1000, 1020, 1030, 1060, 1080, 1090, 1100, 1110, 1120, 1130, 1150, 1160, 1170, 1180, 1190, 1200, 1210, kcs. found the reception as good or better than before the changes with stations heard clearly and without too much interference.

The Cuban station on 740 kcs.,

*Page one*



CMK or CMJN was in the clear, with no QRM at all. . . 780 kcs. was a mess of QRM, though, and WBBM's signal was badly messed up by an unidentified station. . . CKLW was in the clear on 800 kcs., despite threats by XERA that they were going to use that channel after re-allocation. By the way, XERA has yet to make an appearance on any channel. . . CMHQ certainly parks a nifty heterodyne in back of WGY on 810 kcs. . . 820 kcs. is just a jumble of QRM. It should not be thus with the Dallas-Ft. Worth stations having clear sailing. Who's upsetting the applecart here? . . . CMBL is very much in the clear on 860 kcs. . . XEW on 900 kcs. sends into this territory, the most powerful Latin American signal on the dial—and entirely free of QRM, too! . . . 930 kcs. is a hot-bed of QRM, with nothing at all intelligible. . . CBM suffers but slight QRM on 940 kcs. . . 950 kcs. is just a jumble . . . 1050 kcs. has much QRM. . . CBA, though, is loud and clear on 1070 kcs. . .

## QUESTIONS

Norman Kane, Pa.: A west coast station on 15490 kcs. heard in parallel with some other station. They were announced as KEM and KES. Can anyone tell me which one I heard? An Army Air Corps station on 7380 kcs. announcing as "Glufftentol" or "Bruktentaw" is also puzzling me. Heard in evenings.

Lionel Jacobs, 524 Atchison St., Pasadena, Calif.: Wants information on WNXI, WSAL, WBBS and KZIB.

Art Cushen, Invercargill, New Zealand: Is puzzled about a Spanish speaking station on 9770 kcs. which signs off at 8:30 p.m. EST.

Allan G. Hooker, Liberty, Sask., Canada: A Spanish speaker announcing "Radio Phillips" on lower end of

25-meter band. A French speaker near 10,000 kcs. announcing "Ici Radio Pulvoovay" (spelled phonetically). A German station with Spanish program on 9550 daily at 4:30 p.m. EST.

R. A. Hayre, 507 N. Cottage, Salem, Ore.: Hears a station sign on at 10 p.m. EST on 6800, but cannot identify it.

Norman H. Kane, Pa.: What is Spanish speaker on 660 kcs. at 10 p.m. EST?

Lee D. Johnson, 89 William St., Portland, Me.: Station on 1530 kcs. (B.R.) heard 7-9 p.m.

C. H. Bell: Please send your address to RADEX. (DXers who know Mr. Bell are requested to bring this notice to his attention.)

## ANSWERS

For the benefit of Bill Gabriel, Elwin Gleeson of Moosic, Pa., states that WWL does verify. They have a card showing a view of Loyola University.

William R. Knotts informs Frank Susoreny that the Spanish speaker on WGN's channel was CMBL (B.R.)

Frank B. Lee, Wildwood, N. J. wishes to inform Roy Woollacott that he sent two reports to TIPG with International Reply Coupons and got no replies. He then sent one with an unused Costa Rican stamp and received his verification.

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



# Radexing with the Radexers

By RAY La ROCQUE

Readers living in the Eastern and Central Standard Time Zones may send their report direct to  
 Ray LaRocque  
 105 Highland St.,  
 Worcester, Mas.  
 (Please use EST in reports)

Upon the request of Radexers who want something similar to the "Report-O-Meter" used in our shortwave department we respond with an additional Supremacy listing—a Supremacy for Reporting. Ratings are merely your editor's choice and are not based on any definite system of reporting. Perhaps in some future issue we may be able to pin the reports down to certain standards.

**SUPREMACY FOR REPORTING:** For the readers submitting the most useful information during the two preceding months:

George Wetherill, Jr.  
 Robert Kappelon  
 Norman H. Kane, Jr.  
 Robert Gilchrist  
 Elwin Gleason  
 David Wing-Scobie.

**SUPREME SUPREMACY:** For the total number of stations verified:

Thomas, Ohio 2393  
 Becker, Ohio 1350  
 Botzum, Penna. 1243  
 Kappelon, N. J. 1047  
 Foerster, Ind. 1043

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

Landry, P. Q. 19 mo. 376  
 Blinn, Kans. 24 mo. 291  
 Mecalf, Ohio 14 mo. 269  
 Grannis, Calif. 21 mo. 244

**OLD TIMER'S SUPREMACY:** For the oldest dated verifications:

Podall, Vt. Nov. 1916

Oleson, N. D. Sept. 1922  
 Barnhart, Pa. Feb. 1923  
 Allen, Calif. Dec. 1923  
 Porter, D. C. Dec. 1923

**NORTH AMERICA SUPREMACY:** For the most states of the U.S., provinces of Canada, states of Mexico, and other individual countries in North America. Each small country counted as a state.

Thomas, Ohio 84  
 Botzum, Penna. 82  
 Becker, Ohio 77  
 Hawkins, N. H. 77  
 Daneker, Pa. 76

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

Reichardt, Mass. 55  
 Thomas, Ohio 45  
 Botzum, Penna. 40  
 Jordan, Penna. 32  
 Lippincott, Me. 27  
 Becker, Ohio 27

In order to avoid keeping names of inactive DXers on our Supremacy listings we shall, starting with next RADEX, discontinue listing the standings of readers who have failed to submit a report of their standing during the last twelve months. If you have not reported recently a card from you, will keep your name in the lists next month.

## CLUB BUTTONS—STATIONERY

Last issue we started our campaign for buttons and stationery for RADEX Club members and we got under way with a list of seven names in favor of the plan. We continue the list from that point this month. When one hundred names have been listed, we will present them to the publishers of RADEX. The names:

8. Julius Hart, Jackson, Mich.
9. R. H. Livingstone, Lansdowne, Penna.
10. H. A. Whittier, Mansfield, Mass.

11. Charles Squires, New York, N. Y.
12. Chester Stedman, Westerly, R. I.
13. George F. White, Stoughton, Mass.
14. Phil Gridley, Holyoke, Mass.
15. Jack Stephenson, Oklahoma City, Okla.
16. Al Renfro, Jr., Johnson City, Tenn.
17. Ted Bamberger, Shaker Heights, Ohio.
18. Norman H. Kane, Jr., Wynnewood, Penna.
19. L. N. Stracener, Jr., Baton Rouge, La.
20. Allen G. Hooker.

### PERSONALITIES

Many of the names familiar to these pages are now seeing service for Uncle Sam. . . . Matty Williams (formerly Newark, N. J.) now has his mail addressed Co. No. 6, Barracks E. U. S. Naval Reserve Radio School, Noroton Heights, Conn.

Earl H. Lever (formerly Worcester, Mass.) writes from Fort Bragg, N. C., that their local station is WFNC, and that WSB, WBIG, WBT are usually heard well. Earl can be addressed at Med. Det. 34th F. A. Bn. A. P. O. No. 9, Fort Bragg, N. C., and we're sure he'll welcome mail.

Private Chet Romanowicz (Chet Roman of Chicago) is now seeing active duty at Company L, 53rd Infantry, Fort Ord, Calif. At Fort Ord, it's impossible for Chet to continue his DXing, because the camp, being a new one, does not have full equipment. . . . Merlin Steen of Decorah, Iowa, expects to be in uniform before this message gets into print.

A new 12-tube HALLICRAFTERS SX-25 graces the DX den of Roger Legge, Binghamton, N. Y. . . . L. L. Stracener is finding DX pleasure in his new RCA Victor 5-tube model which he received for Christmas. It replaces a two-tube Grebe CR-9 which old-timers might be able to trace back to the vintage of 1917-18!

A picture postal of the Rockies is on hand from someone who signed it "Matty" and was en route to San Diego. We have several "Matty's" on our list of DX friends and can't seem to identify the handwriting.

### THIS 'N' DATA

The FCC proposes to deny the renewal of licenses for WCNW and WMBQ and will grant the facilities of these stations to WWRL. . . . Also a proposal to grant a license to Enrique Abarca Sanfeliz for San Juan, Puerto Rico on 590 kcs. with 5 kw. days, 1 kw. night. . . . Appropriate is the new call for KLAH in Carlsbad, N. Mex.—KAVE. . . . A warning was issued to broadcasters by the FCC, not to negotiate privately with stations in neighboring countries relative to frequency assignments after the North American re-allocations.

Otto Renninger, Jr., of the transmitter staff at KOL is in favor of a more active radio club for the RADEX club and would like to see seals and stationery available to members. Along with stationery Radexer Renninger wants to have printed report forms for writing for verifications, along the lines of those used by DX Clubs in New Zealand.

Greetings to Joe Lippincott who now claims RADEX as his only contact with the DX world since he has of necessity sold his 23-tube Scott and ceased active participation in the hobby. . . . Here's a veri that will make a lot of DXers envious. 4MK—100 watts on 1390 kcs., verified by David Thomas, Proctorville, Ohio. . . . What is the highest transmitting tower in North America? Gordon E. Walberg of Winnipeg, Manitoba, reveals that KFYZ's tower from base to top is 704 feet.

KGMB is the station heard by John S. Taggart, Bath, N. Y. (RL). . . . Also for Radexer Taggart, the National Radio Club is still in operation in Buffalo, N. Y., now. Bob Weaver is no longer at the head of the club. . . .

"How about some sort of Report-O-Meter for theB roadcast band?," asks George Wetherill, Jr., Upper Darby down Pennsy way. No sooner said than done, Georgel. . . . George goes on to relate a little tale which pertains to—well we'll let him tell you in his own words: "My DX on the shortwaves is discouraging. I hear



something which I think is pretty good and I tell Norman Kane about it and he says, "Oh, that thing! It comes in R9 every night. Norman, Nat Boonin, and myself go to Upper Darby High, but we didn't know that there was another DXer around here until we saw that Norman Kane in Drexel Hill wrote to RADEX. . . So we looked him up in the local phone book and found that he attended the same school we did!"

### **BITS AND TIPS**

Cortland Parent, Jr., of Peekskill, N. Y., submits a complete list of small networks with their key stations. Whether there is enough interest in this subject to warrant publishing the list is up to the response from Readers. We will keep the list on file for future use if the readers demand it. . . . The reason George Rockwell of Denver was unable to hear KMYR is that it had not come on the air according to its scheduled date, which was set for Feb. 1. This from David Wing Scobie.

Robert Kappelon of Newark, who sent us that wonderful list of tests last issue has some corrections and additions. WTMJ does not appear to be on at the time reported. . . . KVIC and WMOG also weren't heard during March (or February) checks. WSPB has changed as note below, and WTSP has been heard from 2-3 on almost any day during the first week.

**1st week of month:** Monday—WMOB from 3:30-4 a.m., Wednesday—WBIR from 2:30-2:55 a.m.

**2nd week:** Monday—WSLB from 3:40-3:55 a.m., Wednesday—WDSM from 3:55-4:10 a.m., WCOL from 4:4-15 a.m., Saturday—WBLJ from 3:15-3:30 a.m., WMRN from 3:20-3:35 a.m., WBRW from 3:40-3:55 a.m., WDAN from 4:20-4:35 a.m., and WTEL from 5:35-5:50 a.m. . . . Friday—KORN from 2-2:30.

**10th of month:** WSLB from 2:30-2:45 a.m.

**3rd week:** Monday—WHKY from 2-2:30 a.m., . . . Wednesday—KPHO from 3-3:30 a.m. . . . Thursday—

WJPF from 3-3:15 a.m. . . . Tuesday—KROD from 3-3:30 a.m.

**18th of month:** KODL from 4-4:45 a.m.

**20th of month:** WSPB from 3-3:15 a.m.

**4th week:** Monday—KHAS from 5:45-6 a.m. . . . Tuesday—WSOO from 2-2:15 a.m. . . . Wednesday—WLOG from 3-3:15 a.m. . . . KWAL from 5-5:15 a.m. and WFHR from 2-2:30 a.m. . . . Friday—WENY from 3-3:15 a.m. . . . Saturday—WJPR from 3-3:30 a.m.

**Every Monday:** WAOV from 2-2:30 a.m. .

**Every Saturday:** WLAV from 4-4:15 a.m. except 2nd Sat.

SPRINGFIELD, MASS.—Hal Robie: "I owe a number of letters to fellows who have been kind enough to write concerning questions I have had inserted in RADEX. Due to my work I have not had time to answer them, but I'm going to do it as soon as I have the chance."

UPLAND, IND.—Donald R. Yocom: "I am now technician for Taylor University broadcasts over WLBC on 1340 kcs. at Muncie, Indiana. Taylor is on the air every Sunday from 1:30-2 p.m. Members of the RADEX club who hear this program are invited to report and offer their criticisms and comments. All who write will receive a letter of verification as well as a souvenir of the Taylor University broadcasts. Address communications to Radio Dept., Taylor University, Upland, Indiana."

ROCHESTER, PENNA. — A. G. Schleiter: "I'd like to see a revised F. C. C. monitoring schedule. My log totals 1006 stations in two years, though this includes many deleted stations." (Inasmuch as the F. C. C. has twice refused to send us FCC test schedules with the reply that there is none available, it appears that the broadcasters have succeeded in keeping these list suppressed. A lot of the stations do not want their tests made public and this may be the reason for no new listing of tests. If the readers will co-operate and send in all the F.



C. C. and other regular monthly test schedules they may have picked up from actual listening or other sources, we will attempt to arrange what we receive in the form of a complete index of monthly tests for some future issue of RADEX—RL. Mass.)

**PROCTORVILLE, OHIO**—David F. Thomas: "I do my DXing on commercial frequencies. Under no condition do I use the amateur bands. I have verified 113 countries (as of Dec. 31, 1940) on the broadcast band and have 2430 different stations verified over 200 more have been received since then, but no official check is made except every six months. Some of my outstanding verifications are FLE (only U. S. A. report), VQ7LO, FN, ESP, VUO-VWCZ, who were using 25 watts on 750 kcs. in Rangoon, India, 2CA when they had only 50 watts, FIUI, SPTT, FPTT, EAJ-7, I1BZ, Droitwich, Deutschlandsender, Warsaw No. 1, OKP, Luxembourg, LYX, WEIN, Brussels No. 1, Kalundborg, and OXF (Greenland)."

**PALMERSTON NORTH, NEW ZEALAND**—A. R. Lacey, Monrad Street: "Just a few lines to ask for a correspondent. He should live in the East or Central part of the U. S. A. and should be a keen DXer on the broadcast band. I have been DXing here for over eight years and have 650 stations in all parts of the world. Antwerp (100 watts), Basle (500 watts), Dresden, Germany (250 watts) are my best catches. I use a SUPER SKYRIDER SX-17, with a 155 ft. antenna 50 feet high and an 800 ft. single wire which is only 12 feet high. The later gives 2 R's gain over the former and higher antenna."

**OSWEGO—N. Y.**—Connie Sideris: "XEAW verified by letter, signed by J. G. Montgomery. . . . WFBL now uses 5000 watts and has a new verification card of blue and white."

#### **BRIEF QUOTES**

"After hearing 1YA, 2YA, Hamburg, Toulouse and other TA's and TP's I'm finding it hard to get our 250 watters in the mid-west,"—from George Wetherill. . . . After a success-

ful season of DX George discovered he had his antenna attached to his ground terminal, and vice-versa. . . . "Have been DXing for three months on the broadcast band and have 150 stations heard with 75 verifications"—Frank Boudreau.

"WCAR does verify with a card. WGAN on 560 now uses 5 kw. and WPIC now has 1000 watts. XENT and XERA both verified for postage."—Lee D. Johnson. . . . "Radex is a wonderful magazine for beginners" testifies Theodore Taylor of Fort Wayne, Ind. . . . "For reports I log a half hour program with time as near to the quarter minute as I can get them. When reporting I give as much data on past reception as I can recall, and also on the reception of the program to be verified."—Aaron I. Doan, Meadville, Penna.

"Using a 1932 Marconi, I have logged 88 stations, without any verifications as yet"—Gordon E. Walberg, Winnipeg, Man. . . . "I use four receivers for DXing here and have good results with all. They are a HALLICRAFTERS SX-17, a Midwest VT-18, an Arvin, and a PHILCO."—John O. Coleman, Delafield, Wis. . . . Fred Rosencrans of Newburg, N. Y. has just purchased a new HALLICRAFTERS S-20-R. Fred would like to hear from DXers concerning what they consider distance on the broadcast band. Address him at 66 Grand St.

In 13 months of DXing with a six tube Howard, Fred Benkley Jr., China Spring, Texas has heard 468 stations and verified 125. . . . In a year and a half of DXing, George White, Stoughton, Mass. has in his log 20 Canadians, 3 Cubans, 3 Mexicans, Puerto Rico, and YONF. . . . L. A. Mayo of Montreal, P. Q. is starting a new log after re-allocation and hopes to do much better with the present broadcasting set-up.

Arthur E. Foerster of Indianapolis, Ind. does not enter a station in his log until it is verified. KUTA, KFJI, KDON, KGFL, WFIL, WFMJ, and KGFJ are the only delinquents. . . . Edward H. Slater, Albany, N. Y. uses



an Emerson five tube model for broadcast DX, and a twelve tube Zenith for shortwave. Results—230 stations on broadcast band and 100 on shortwaves.

Equipped with a copy of RADEX and a new HALLICRAFTERS Sky Champion, Albert Koppe, Des Moines, Iowa started from scratch this season and now has heard 132 stations. . . . Dick Knoth of Pittsburgh, Penna. has logged 60 stations in one month of DXing. . . . Buddy Giles of Wichita Falls, Tex. started DXing on December 31, and now has 32 veries from four countries.

William Schroedes of Scranton, Penna. has been DXing two years. In that time 350 requests have been mailed and 225 replies received.

### COVERING THE CONTINENTS Domestic Dialings

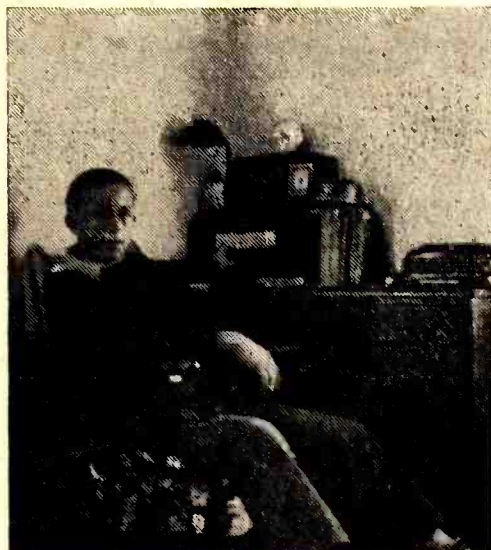
WLAW in Lawrence on 680 kcs. is received here in Detroit with a good signal, as is WMEX. (Edmund Ososke, Detroit, Mich.)

WSVS will now verify all reports containing return postage. These should be sent to John C. Kalmbach, Jr., DX announcer. We will not verify any report stating "I heard WSVS on for the FCC on such and such a date and at such a time." Definite proof of reception must be furnished or no QSL will be sent. We shall be pleased to hear from RADEX readers. (John C. Kalmbach, Jr., DX Announcer, WSVS, Buffalo, N. Y.)

WOCB puts in a very fine signal here. Often the best on 1210 kcs. . . . WMOG stands for Wonderful Marshes Of Glynn. (Eugen Francis, Bronx, N. Y.)

WBTA is call for the Batavia, N. Y. station. . . . WLBZ will go to 5000 watts. . . . WOCB announces as West Yarmouth and are heard clearly throughout the day. . . . WOR is now in New York City, not Newark. (S. R. Morse, Bradford, Mass.)

WNBH is now using a new 250 watt xmitter. They recently had a DX program for the N. N. R. C. and the N. R. C. and a prize was awarded to the most distant listener. (Harold



*Alvah Cole, of Norfolk, Va., is stepping right along in the contest. He is specializing in amateurs and spends all his spare time twirling the dials.*

Schwartz, New Bedford, Mass.)

WTMV's slogan is the "Musical Station". . . . WCMI means Where Coal Meets Iron". . . . WPE.. uses a three tower directional antenna system with their minimum signal in the direction of Detroit. (Geo. Wetherill, Jr., Upper Darby, Penna.)

WHYN will operate with 250 watts full time on 1370 kcs. Main studio and transmitter will be at So. Hadley Falls, but studios will also be maintained in the Holyoke Transcript-Telegram Bldg., and at the Hampshire Gazette Offices in Northampton. WHYN is expected on the air in April and will not be affiliated with any network. (Phil Gridley, Holyoke, Mass.)

WBAB's DX program was mentioned in RADEX. Last year, I was fortunate enough to pull in the DX prize on this contest. (Rev. J. L. Quinton, Greenspond, Nfld.)

WFBL and WFBR were probably the first stations in the east to test on their re-allocation frequencies. . . . WCMI took 171 days to verify. . . . WMCA didn't last long as an all-nighter. Reason: No sponsor. WAWZ celebrated its tenth anniversary March 15th. (Eugene Francis,



Bronx, N. Y.)

WOW is owned and operated by the Woodmen of the World. Veri received in six weeks. . . . WGAR is bidding to become Ohio's third 50 kw. station. . . . (Ted Bamberger—Shaker Heights, Ohio)

WDRC is heard on the second Tuesday of the month with DX program at 4a.m. . . . WGIL, heard asking for reports, promising verification. . . . WBOW is heard on second Wednesday from 2:45-3 a.m. . . . WDEL is off at midnight with national anthem. . . . WHAM is off at 12:30 a.m. with ditto. . . . WWL leaves its audience at 1:00 a.m. . . . WILL is heard every second Saturday at 2:00 a.m. . . . WJSV pulls the switch nightly at 1:00 a.m. . . . Boston station sign-offs WNAC—1:00 a.m., WBZ—1:00 a.m., WAAB—2:00 a.m., WMEX—midnight, WEEI—1 a.m. . . . WOW is off the air at 2:00 a.m. (Ed Laudansky—Dorchester, Mass.)

When WJBO shifted to its new channel under the re-allocation, it jumped its power to 5000 watts. . . . Wilbur Goldsen generally signs the veries. (L. M. Stracener, Jr., Baton Rouge, La.)

WTMJ will have three new 400 ft. towers, besides the television and FM towers slated to be erected. WTMJ is 5 kw. . . . WISN is also going to increase to 5000 watts. . . . WEMP is heard with a weak signal here, but has recently joined the N. B. C. and may be due for a power boost. (John Coleman, Delafield, Wisc.)

WROL is now operating on 620 kcs. . . . WBTA in Batavia, N. Y. is now being heard daily. . . . (Edward Shirley—Jamestown, N. Y.)

KFPY is off at 3:00 a.m. . . . WJHL has a nice card which it uses only for verification of test programs. . . . WKY is literally throwing EKKO stamps away. They enclosed one and sealed my veri with another. . . . WKAT heard here at 6:30 p.m. while WDRC only 70 airline miles away were operating! . . . (Chester Stedman—Westerly, R. I.)

WSBT will be operated as a full

time station and use 500 watts while WFAM will be discontinued. So if WFAM hasn't ben verified yet, now is the time to get it. (Roger Majs—Mishawka, Ind.)

WCCO verified for me without asking for ten cents. I merely enclosed return postage. (Bob Peterson, Deerfield, Ill.)

WIP goes Mutual full time after March 1, while WFIL will break its affiliations when the present contract expires. . . . WWSW has asked for 940 kcs. with 5 kw. . . . WNEL is signing on about 5:45 a.m. with the "Star Spangled Banner," sung in Spanish. . . . If anyone lacks WOV, they're on till 12:05 a.m. now, last five minutes for news items. (Bob Gilchrist—New York, N. Y.) Also from Bob: WAJR starts up at 6 a.m. . . . WSJS comes through on 1210 at the same time . . . WGH appears to have a clear channel on 1310 when it comes on at 6:30 a.m.

WHYN is now on the air and is operating a full schedule with 250 watts. Verifications are to be signed by Thomas Humphrey, chief engineer. (Milton Benson—South Hadley Falls, Mass.)

WHK is now using 5 kw. . . . (Elmer Rogers—Cleveland, Ohio)

WGL is the smallest Westinghouse station. . . . Does WQDM operate on regular schedule? I heard them on their Jan. FCC test. (Nat Boonin, Upper Darby, Penna.)

WAKR verified by letter signed by Otha Fisher, secretary. (Williams Waldman—Asheville, N. C.)

WMVA ought to be operating by now. Their tower is 175 ft. above the Roxy Theater, while studios are in Thomas Jefferson Hotel. Where can a list of ship-calls be obtained? (Frank Gravely, Martinsville, Va.)

WGN is now relaying all of their programs from the studio to the transmitter via a small FM transmitter on 118,000 kcs. Results are very good. . . . WTCM has been in operation since early in January. . . . Same for WINX. (D. S. Barnes—Chicago, Ill.)



WPIC in Sharon, Penna., verified with a typewritten card, but a few days later a very pretty stainless steel ash-tray was received with their compliments. . . . (L. A. Stracencer, Baton Rouge, La.)

WISH is just beginning construction and little is known as to when it will be on the air. (Arthur E. Foerster, Indianapolis, Ind.)

WDEL in Wilmington, Del. stamps your verie letter and sends it back to you. (William McMahon—Glen Cove, N. Y.)

WMBC is now WJLB. Should this becounted as a new station in the log book? (Norman H. Kane, Wynne-wood, Pa.)

WOL has an all-night request program daily. . . WBBM comes on at 7:45 a.m. and is off at 2:15 a.m. . . . WABY in Albany, N. Y. operates from 7 a.m. to 1 a.m. (Edward Sluter—Albany, N. Y.)

WHYN in Holyoke heard with excellent signals on equipment tests. . . WINX was also heard on tests. (Alton Caldwell-Brockton, Mass.)

WEDC has a nice card with a map of the United States in blue and call letters and print in red. (Frank B. Lee—Wildwood, N. J.)

WSM sent letter of verification and enclosed an EKKO stamp. . . . WTIC also sends a stamp with verification. . . . WARM, only six miles away, are QRM'd by three stations on same frequency! . . . (Bill & Bob Camp—Moosic, Penna.)

WGBI over-rides CBO on 880 kcs. most evenings. (Lincoln A. Mayo, Montreal, P. Q.)

WNBC announces as Hartford and New Britain. . . . WTHT is not audible here. Usually heard are WESX or WBAB. . . . CBA comes in strong, sometimes blanketing WTIC. . . . WNAB and WMAS come in together and it's quite a job separating them.

WICC actually verifies for return postage and does not require the 10c shown in RADEX. (Stephen Hoffman, Norwich, Conn.)

WMAL is now using 5000 watts with full time privileges. . . . WABC

is on at 6:15 a.m., WOR at 5:30; and WEEI at 4:45 a.m. . . . WARD, WBBC, WLTH, and WVFW have agreed to merge, each owner to have 25% interest in the station. WARD will probably be the call letters used. . . . WIGM will commence some time in June. . . WPER in De Land, Fla. ought to be testing and day now. . . . Also due to hit the ether about April 1st are KBIZ, WALB, WKWK, and WWNY. (David Wing-Scobie, Moore Park, Mich.)

WCMI should be addressed, Radio Block, Ashland, Ky. They test on the second Tuesday of each month at 4:25 a.m. (Robert McConnell, Middletown, Ohio)

Many thanks to Harold A. Whittier, Mansfield, Mass. for a list of veri signers.

**West of the Mississippi with the "K" Calls:** KFUE verified by letter, enclosing a stamp and sent an attractive souvenir. (Frank B. Lee, Wildwood, N. J.)

KFYR starts the day at 7:30 a.m. and calls it quits at 1:00 a.m. . . . CBK is on daily from 9 a.m. to 1:30 a.m. . . . KDLR pushes the switch at 7:30 a.m. and pulls it at 11 p.m. (Gordon Walberg, Winnipeg, Man.)

KVOO's card is nicely engraved and on the back of card tells the story of the "Oil Capital of the world." (Francis Hone—Rochester, N. Y.)

KGFW broadcasts a semi-monthly DX program on the second and fourth Monday morning from 2-3 a.m. (Robert McConnell, Middletown, Ohio.)

KCRC in Enid, Okla. has regular DX programs from 12:01-4 a.m. on the third Wednesday of the month in alternate months starting in Feb. (Bob Peterson—Deerfield, Ill.)

KENO in Las Vegas, Nev., is well received here after WGRC signs off at 2:05 a.m. (Bob Camp—Moosic, Penna.)

KSWO is the call of the Lawton, Okla. station. No other information is available at present. (Jack Stephenson, Oklahoma City, Okla.)

KRIC in Beaumont, Texas operates with 250 watts and has a neat card.

KPMC is being heard through the early morning QRM. (Ed. Laudansky, Dorchester, Mass.)

KFAB comes on at 5:45 a.m. and will use 50 kw. after re-allocation.

KFBC is on the air as an N. B. C. Blue station. (David Wing-Scobie, Moore Park, Mich.)

WHIZ means We're Here In Zanesville; KQRS means Kome Visit Rock Springs; and KTHS means Kome To Hot Springs. (Nat Boonin, Upper Darby, Penna.)

KGIR in Butte, Mont. sends a nice souvenir veri. Printed on a thin sheet of copper it is accompanied with a copper watch-fob and a wind shield sticker. (Chester Stedman—Westerly, R. I.)

KXOK on 630 kcs. joined the NBC Blue network and KWK is now an exclusive Mutual outlet. (Walter Scholz, Webster Groves, Mo.)

KVOR is heard here nightly with R7 signal. . . . KHSL was logged at 2 a.m. with R7 signal. . . . KERN is on at 9:15 a.m. and off at 3 a.m. . . . KVOA starts its day at 7:55 a.m. and terminates at 1:15 a.m. (Norman H. Kane, Wynnewood, Pa.)

KGMB is now on 590 kcs. from 1320 kcs. . . . KXOK is on 630 kcs. now. . . . KWKH seems to be on all night at present and WHOM have gone back to a 24-hour station. . . . (Merlin Steen, Decorah, Iowa)

KWK are on from 5 a.m. to 11:30 p.m. (L. A. Stracencer, Baton Rouge, La.)

KOCY replaces KTOK as MBS outlet. . . . KBIX and KRLH boosted their power to 250 watts after the re-allocation. . . . (Bob Gilchrist, New York, N. Y.)

KYW increased its power to 50 kw. to eliminate XEAW, but the Mexican still messed up KYW's signal badly. (George Wetherill, Jr., Upper Darby, Penna.)

Thanks greatly to M. W. Oliver of Houston, Texas for a list of veri sign-

ers, and to Albert Koppe of Des Moines, Iowa for a similar list.

**Bahama Islands:** ZNS is a regular here, often being heard in the evenings with an R9 signal and no QRM from WGY. (George Wetherill)

**Canada:** CKCL is heard here with a good signal in the daytime. They verified with a stamp and letter. Norman H. Kane, Jr.)

CJRC is Manitoba's Friendly Station; CKY—The Voice of Manitoba; CJGX—Western Canada's Farm Station; and CJCA—The Voice of the Great Northwest. (Gordon Walberg, Winnipeg, Man.)

CHSJ sent a folder showing studio A and B and their master control panel (Nat Boonin)

CHSJ carries programs direct from London, including the "Britain Speaks" program at 10:30 p.m. (Edward Slutter, Albany, N. Y.)

CBM heard on a test program announced as "CBM Maryville." (Hank Bennett)

CKTB's veri is a beautiful silver tower on a backing of blue. . . . CKCR insists that they are in Kitchener and not in Waterloo as RADEX lists them. (Bob Gilchrist)

CKOC in Hamilton, Ont. and CKY in Winnipeg, Man. both included verification stamps with their verification. (Bob and Bill Camp, Moosic, Penna.)

CKLW signs off the air at 4 a.m. (Ed Laudansky)

CJCB was heard on 1390 kcs. and evidently have shifted to that channel. (Rev. J. L. Quinton, Greenspond, Nfld.)

CHLT come on at 6:45 a.m. and continue until 11:05 p.m. (Lincoln A. Mayo, Montreal, P. Q.)

A good portion of the re-allocation changes in the east of Canada were outlined by John W. Dean for which we say "thanks."

**Newfoundland:** VONF has been heard here several times with not as good a signal as it should have. CMKN causes a lot of QRM. (George Wetherill, Jr.)

**YOU BENEFIT FIVE WAYS  
SEE PAGE 96**



VOCM is now on 1005 kcs. regularly and has never replied to my reports. I have sent several. . . . VOWR went back to 681 kcs., again! Rev. J. L. Quinton, Greenspond, Nfld.)

### Latin America

**Argentina:** LRA is using a power of 10 kw. . . . They verified and a neat white card with crest. Print is black and call in pale blue. (George Wetherill, Jr., Rev. J. L. Quinton, and Bob Brown)

**Brazil:** PRA-4 is heard signing on at a few minutes after 5 on Sunday mornings (George Wetherill).

**Colombia:** HJAH on 1080 kc.s is often heard from 1-3 on Sunday mornings. (Robert Kappelon)

**Costa Rica:** TIEP is definitely on 825 kcs. and not 830 kcs! Norman Kane, and George Wetherill)

TIEP-2 is another Costa Rican on 1225 kcs. (George Wetherill)

TIPG on 625 kcs. puts in a swell signal evenings. This station's card is attractive showing views of the transmitter, military band, and station call letters. (George Wetherill and Ed Laudansky)

TIGPH is listed as 1255 kcs., but I have seen it reported on 605 kcs. (Robert Kappelon) Note—evidently TIGPH is now on 605 kcs., as George Wetherill reports a TIEP-2 on 1225 kcs.—RL)

**Cuba:** A new Cuban on 1345 kcs. has been heard from 1-2 a.m. Quality has been poor. . . . (Norman H. Kane)

CMJN, CMW, and CMBG were all heard in the clear at 11 p.m. . . . CMC heard on the air as late as 2:15 a.m. . . . CMKN on 630 kcs. was heard well at 2:30 a.m. . . . CMX is better than some of our local Boston stations. (Ed Laudansky, Dorchester, Mass.)

CMC was heard on a DX program for the IDA and signed off at 2:45

a.m. (Hal Robie, Springfield, Mass., and L. A. Stracener)

CMQ verifies with a nice card showing a picture of their transmitter building and vertical mast. Bill Van Metre, Muncie, Ind.)

**Guatemala:** TGX on 1400 kcs. verified with an attractive card in many colors with calls in large blue letters. This station also owns TGX-1 on 6130 and 5850 kcs. Anyone know its power? (George Wetherill)

TGW on 1520 kcs. heard late in the evening (Francis Fellers, Amherst, Mass.)

**Mexico:** Earlier in this department we reported that time for re-allocation was drawing near as we wrote the copy. It's now a day later and a check of the channels in the early morning hours reveal not a trace of Brinkley, Baker, XEAW, and other border broadcasters which put so potent signal over most of the U. S. A. (RL—Mass.)

Through the kindness of Fred A. Ingham of XEAC we learn of the following changes in Mexico as a result of the re-allocation. XEAC goes to 690 kcs. with 5000 watts; . . . XEMO remains on 860 kcs. . . . XERB uses 50 kw. on 1090 kcs. . . . XEBG is on 1010 kcs. now with 500 watts. . . . XEGM is a new station on 950 kcs. with 2500 watts. . . . XEON is now on 1140 kcs. with 2000 watts, and XEC is on 1340 kcs. with 100 watts. All of the above stations are in Tiajuana, with the exception of XERB which is in Rosarito Beach. . . . XELO has been assigned to 1190 kcs. and must move to a different location but this assignment is being contested by the station.

XEAZ on 1450 kcs. at Reynosa with 250 watts is now on the air. . . . XEFE in Nuevo Lardeo on 930 kcs., now from 910 kcs. . . . XEAZ is good here all day on 1450 kcs. . . . XEFE besides shifting frequency also jumped its power to 1000 watts. (Samuel Meyer, Laredo, Texas)

XEL on 1150 kcs. (B. R.) and XEM on 920 kcs: are both heard here daily with strong signal. (L. A. Stracener)

Panama: HOK's address is the same as HP5K—Aptdo 33, Colon. HOK's card is lemon colored and different from that used by HP5K, though the latter call appears on the HOK veri. (Rev. J. L. Quinton, Greenspond, Nfld.)

Peru: OAX4A on 854 kcs. "Radio Nacional" was heard several evenings with R8 signal with much interference from WABC and WWL. . . . (Norman H. Kane)

Puerto Rico: WKAQ verifies with a large imitation parchment diploma. Very nice! WKAQ is on with a program of waltz music from 5:30-6 p.m. EST. (Rev. J. L. Quinton and Norman H. Kane)

WPAB comes on the air daily at 5:45 a.m. and is in the clear until 6 a.m. (Frank B. Lee, Wildwood, N. J.)

WPRA on 780 kcs. (B. R.) with 1000 watts was heard on FCC tests (Edward Sluter—Albany, N. Y.)

### T A Tuning

France: Radio Lyons on 1393 kcs., Radio Nacional Francais on 1320 kcs., and another French station on 776 kcs. are the only stations reported since last RADEX. (Norman H. Kane and Frank B. Lee)

Great Britain: Stations on 767 kcs. and 668 kcs. were heard with R5-6 signals for a short period. (Bob Brown—Goshen, Ind.)

### T P Topics

Australia: 4QS on 760 kcs. heard at 5:20 a.m. with R6 signal. (Bob Brown, Goshen, Ind.)

4 QS and 3GI were heard here but signals were not strong enough to verify. (George Wetherill, Jr.)

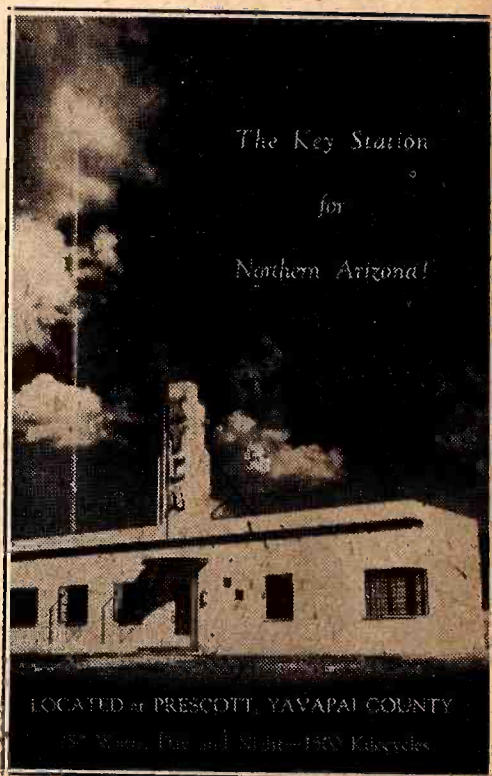
3LO, 3GI, 6AM, and 7NT were heard here with signal strength suf-

ficient to permit copying veri material. (Frank B. Lee)

Hawaii: KGMB is heard here on Tuesday mornings when WIP is not on the air. A fainter signal is heard behind them which Erick Johnson says is 2YA. Can this be so? (George Wetherill) 2YA is on 570 kcs.—RL

KHBC on 1200 kcs. heard on Feb. 4th over KGFJ at sign off. (Bob Brown)

New Zealand: 1YA on 650 kcs. with 10 kw. seems to be the most commonly reported New Zealand station. Reported by Weston Richards, and Frank B. Lee.



*QSL card from KYCA, Prescott, Ariz., received through the courtesy of Jim Walker and Clarence L. Mustoe.*

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



# 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, and will continue until September 30, 1941, and as soon thereafter as possible the names of the winners will be published in RADEX.

## More New Prizes

Prof. Carlo Spatari, the founder of the Spatari Language Foundation, has offered an additional prize of 400 gummed seals to be donated to Radex Contest winners. This prize is in addition to his previous offer of a Spatari Radio Language book, which is offered to the Third Place winner in the Shortwave Division.

The 400 seals will be divided between the four contests. The person in each division who hears the greatest number of Latin-American stations will receive 100 seals. "Latin-American" stations are the Spanish and Portuguese-speaking stations in the Western Hemisphere.

The Bowman-Meade Printing Co. (W9KXL Print), 819 Wyandotte St., Kansas City, Mo., has kindly offered twelve prizes to be offered to winners in the Amateur Contest. Two prizes will be 200 QSL or SWL cards each, printed in three colors, and ten prizes

will consist of credit blanks which will entitle the winners to receive 50% more cards on their next order of cards from W9KXL. Most of the SWL cards in circulation are from the Bowman-Meade Press, and we are sure our contestants appreciate this generous offer as much as we do.

The ten Credit blanks will go to the highest scorer in each of the nine W-districts, and the tenth prize for those outside the U.S.A. This offer is for the Amateur Division only.

## The Rules of the Contest

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

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

A contestant can take first prize in only one contest. If a person should happen to place first in two divisions, he will be offered his choice of first prize in one of the divisions, and second prize in the other.

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

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

Verifications from stations can, of course, be in any form whatever—



QSL cards, postal cards, letters, international reply cards, or cards prepared by the listener and properly signed by the station.

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

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

#### All Wave Division

The person who receives the greatest number of points from all radio stations using voice, from 10 to 500,000 kcs., will be the All Wave Champion. The All Wave Division includes all radio stations—broadcasters, amateurs, commercials, ships, police, etc., but not stations using code.

#### The Amateur Division

The person who receives the greatest number of points from amateur stations transmitting within the recognized amateur bands will be declared the Amateur Champion.

#### Broadcast Band Division

The person who received the greatest number of points from broadcasting stations operating on frequencies between 500 and 1600 kcs., located anywhere in the world, will be declared the Broadcast Band Champion.

#### Shortwave Broadcast Division

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

#### SEND STANDING NOW

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

Do not hold the coupons until the end of the contest, but send each of them, as soon as possible, to RADEX,

### *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**



Emerson, N. J. Each coupon may be held, however, until the next one is in hand; thus, send Coupons 1, 2, and 3 now, if you have not already done so; send Coupon No. 4 when you have received your next issue of RADEX.

**Questions and Answers**

- Q. Don't the European stations below 500 kcs. count?
- A. Yes. We have extended the All-Wave Division of the contest so it includes all stations from 10 kcs. to 500,000 kcs. In other words, any station in the world that uses voice can be counted in the All-Wave Division.
- Q. Does Newfoundland count as a separate country from Canada?
- A. Yes. Newfoundland IS a separate country.
- Q. What is to be done about stations that send shortwave veries in answer to BCB reports?
- A. We feel inclined to count them as shortwave veries since proof of broadcast band reception is lacking. Comments from our readers on this ticklish point will be appreciated.
- Q. How are you going to count the stations after the reallocation? It seems they should be counted only once.

- A. We shall count them only once. We will accept one verification from each station, whether on the old or the new frequency, but not on both.
- Q. When I sent in Coupon No. 1, I entered only the BCB Contest. Now I wish to enter the shortwave contest. May I?
- A. Yes. You may enter or change any division at any time. We require all six coupons, but your score on coupon number six is what will count.
- In response to many requests, we shall count the territories and possessions of Puerto Rico, Hawaii, Alaska, Philippines and the Canal Zone as separate countries. Australia's territory of Papua shall also be considered as a country. Since Tasmania, however, is geographically very close to Australia, we believe Tasmania should be considered as merely a part of Australia.

**The Standings**

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

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

Date.....

Gentlemen:

My entry in the RADEX Contests follows:

	A	B	C
	Stations Verified Since Oct. 1, 1940	Countries Verified	Points
Broadcast Band .....	.....	.....	.....
Shortwave .....	.....	.....	.....
Amateur .....	.....	.....	.....
All Wave .....	.....	.....	.....

(Column A times  
Column B equals  
Column C).

Name .....

Address .....

City and State .....



**All Wave**

1. 4158, Wm. Knotts (2) Penns Grove, N. J.
2. 3596, Roger Legge (2), Binghamton, N. Y.
3. 3260, David Thomas (2), Proctorville, Ohio.
4. 1640, Geo. Wetherill (2), Upper Darby, Pa.
5. 500, Norman Maguire (3), Stamford, Conn.
6. 432, Ed. Laudansky (2), Dorchester, Mass.
7. 426, Lemuel Cavileer (1), Haddon Heights, N. J.
8. 305, Bill Scott (2), Johnson City, Tenn.
9. 288, L. N. Stracener (1), Baton Rouge, La.
10. 165, Robt. Gilchrist (2), New York City.
11. 136, Roland Burson (2), Mansfield, Ohio.
12. 96, Donald Fraser (1), Detroit, Mich.
13. 90, Connie Sideris (1), Oswego, N. Y.
14. 70, Harold Mannix (1), Cincinnati, Ohio.
15. 42, Harry Johnson (1), Los Angeles, Calif.

**Broadcast Band**

1. 2700, David F. Thomas (2), Proctorville, Ohio.
2. 1570, George Wetherill (2), Upper Darby, Pa.
3. 1015, N. B. Boonin (2), Upper Darby, Pa.
4. 590, Frank B. Lee (2), Wildwood, N. J.
5. 564, Chester Stedman (2), Westerly, R. I.
6. 525, Frank Susoreny (2), E. Chicago, Ind.
7. 500, Norman Maguire (3), Stamford, Conn.
8. 427, Roy Woollacott (2), Rochester, N. Y.
9. 415, Harold Hutton (1), Rome, N. Y.
10. 405, Philip Gridley (2), Holyoke, Mass.
11. 376, Wm. Knotts (2), Penns Grove, N. J.
12. 340, Weston Richards (2), Zion,

Ill.

13. 192, Lemuel Cavileer (1), Haddon Heights, N. J.
14. 188, L. N. Stracener (1), Baton Rouge, La.
15. 180, Bill Scott (2), Johnson City, Tenn.
15. 180, Ed Laudansky (2), Dorchester, Mass.

Other contestants in the Broadcast Band Division who have more than 100 points are Robert Gilchrist of New York City (165); James Weaver, Elkhart, Ind. (155); Aaron Doan, Meadville, Pa. (126); W. K. Rosenberger, Yankton, S. Dak. (102), and Frank Douglas, Ansonia, Conn. (102).

**Shortwave**

1. 1704, Roger Legge (2), Binghamton, N. Y.
2. 403, Wm. Knotts (2), Penns Grove, N. J.
3. 48, Ed Laudansky (2), Dorchester, Mass.
4. 40, A. G. Hooker (1), Liberty, Sask., Canada.
5. 28, Bill Scott (2), Johnson City, Tenn.
6. 25, R. A. Hayre (1), Salem, Ore.
7. 20, E. L. Hoffman (1) S. Roanoke, Va.
7. 20, L. N. Stracener (1), Baton Rouge, La.
8. 12, Harold Mannix (1), Cincinnati, Ohio.
8. 12, Al Renfro, Jr. (1), Johnson City, Tenn.
9. 8, Geo. Wetherill (2), Upper Darby, Pa.
9. 8, Roland Burson (2), Mansfield, Ohio.
10. 5, Arthur Cushen (1), Invercargill, New Zealand.
11. 2, Kern Anderson (1), Detroit, Mich.

All the other contestants in the Shortwave Division are tied in Twelfth Place, with 1 point.

**Amateur**

1. 362, Roger Crabill (1), Washington, D. C.
2. 292, Wm. Knotts (2), Penns Grove, N. J.
3. 228, Mike Unger (2), Detroit, Mich.



4. 154, Merton Meade (2), Kansas City, Mo.
5. 42, Edgar Newman (2), Valley Stream, N. Y.
5. 42, Roland Burson (2), Mansfield, Ohio.
6. 30, Ed Laudansky (2), Dorchester, Mass.
7. 25, Bill Scott (2), Johnson City, Tenn.
8. 21, Harry O'Meara (1), Manchester Mass.
9. 9 Connie Sideris (1) Oswego, N. Y.
10. 7, Kern Anderson (1), Detroit, Mich.
11. 3, Harold Mannix (1), Cincinnati, Ohio.
11. 3, Al Renfro (1), Johnson City, Tenn.
11. 3, Geo. Wetherill (2), Upper Darby, Pa.

All the other contestants in the Amateur Division are tied in twelfth place with one point.

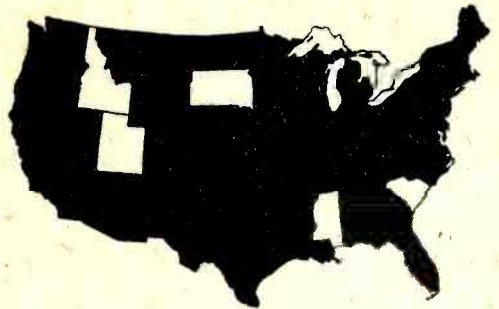
### Chicago Radio Convention

The Third Annual IDA-NRC-IRT Mid-Summer Convention will be held under the auspices of the World Wide Dial Club on July 19th, at the Klas' Restaurant, 5734 W. Cermak Road, Cicero, Ill., a suburb of Chicago. The convention will begin with a banquet at 7:30 p.m. on July 19th, and the registration fee of \$1.50 will include a turkey dinner, entertainment, dancing, and beer and soft drinks for those who want them.

The registration fee should be sent to R. R. Irwin, 3920 Cortland Ave., Chicago, before July 12. Other information concerning the convention, travel or hotels will be advanced on application to G. T. Beyer, 3226 Sunnyside Ave., Chicago.

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

### The Radex Club



By ANNE TENNA

It is indeed gratifying to find such an increasingly large number of people becoming interested in DX. Since the last meeting of The Radex Club we have received over a hundred requests for membership, bringing our total up to 2224 members from twenty-seven different countries. Our fast growing club now has two more states, Nevada and Arkansas, classed as solid black states on the map printed at the head of this column. This leaves but five more states, Idaho, Utah, South Dakota, Mississippi and South Carolina with less than five members each. Let us hope that by the next meeting the entire map of our great country will be completely covered.

Russell Cain of Reno, Nev., has been solely responsible for all the members from his state, and Al Renfro, Jr. of Johnson City, Tenn., is working towards the goal of 18 members for his city. Many thanks to Russell and Al, and the other members who are taking personal interest in the club, to help it grow to be the largest radio club in the world.

Special thanks are due to W9KXL of Kansas City, Mo., whose mention of The Radex Club in his bulletin has resulted in the enrollment of many new members.

The United States Army is well represented with four doughboys entering the fold this month. Stationed at Scott Field, Ill., are Virgil Brown, M. A. Murphy and Charles R. Mumfrey, all flying cadets. Virgil Brown

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takes time out after flying to DX on a two-tube home-built receiver and expects soon to tune in the world on a Hallicrafters Sky Champion. He wants the Blue Grass State, his home State of Kentucky, to receive credit for his membership. Happy Landings, Cadets, from all your fellow club members.

Way down in the Canal Zone, Pvt Glenn Elliott also uses a Hallicrafters after the day's marching is over.

We are happy to note requests for membership from the fair sex is increasing. The ladies have been rather shy so far in this hobby, and we are glad to see them sharing the receiver with their "better halves." All you XYL's who have been waiting for some other XYL to step forward first should be pleased to know that we have about a hundred lady members now; so don't hesitate to send in your request for membership.

In answer to the many inquiries concerning membership in The Radex Club, there are no dues nor other obligations, aside from an interest in DXing as a hobby. Simply send a postal card with your name and address on it and we'll do the rest. Any of you who have sent questions on other radio topics will find them answered in our new question box, appearing for the first time in this issue of RADEX.

## STATIONS DOWN UNDER

Through the efforts of Elwin Gleason of Moosic, Pa. and George Wetherill, Jr., of Upper Darby, Pa., we are able to offer this complete list of New Zealand stations, with some schedules.

570	2YA	Wellington	60000 watts (1 p.m. to 6:30 a.m.)
650	1YA	Auckland	10000 watts (1 p.m. to 6:30 a.m.)
680	4YZ	Invercargill	5000 watts (2 p.m. to 5 a.m.)
720	3YA	Christchurch	10000 watts (1 p.m. to 6:30 a.m.)
760	2YH	Napier	5000 watts (2 p.m. to 5 a.m.)
790	4YA	Dunedin	10000 watts (1 p.m. to 6:30 a.m.)
840	2YC	Wellington	5000 watts (midnight to 5:30 a.m.)
880	1YX	Auckland	150 watts
920	2YN	Nelson	30 watts
940	3ZR	Greymouth	100 watts
990	2YD	Wellington	200 watts

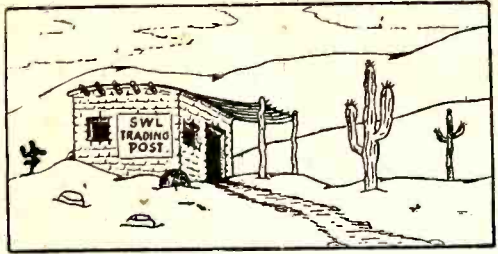
1070	1ZB	Auckland	1000 watts (1 p.m. to 7 a.m.)
1130	2ZB	Wellington	1000 watts (1 p.m. to 7 a.m.)
1140	4YO	Dunedin	150 watts
1200	3YL	Christchurch	300 watts
1250	1ZM	Auckland	1000 watts (midnight to 5:30 a.m.)
1280	3ZB	Dunedin	1000 watts (1 p.m. to 7 a.m.)
1400	2ZA	Palmerton-North	200 watts

We are indebted to George Wetherill, Jr., for the following complete list of Australian broadcast stations:

550	2CR	Central Regional, N.S.W.
560	6WA	Southwest Regional, W.A.
580	3WV	Western Regional, Vic.
600	7ZL	Hobart, Tas.
610	2FC	Sydney, N.S.W.
620	3AR	Melbourne, Vic.
630	4QN	North Regional, Qsld.
640	5CK	North Regional, S.A.
660	2DU	Dubbo, N.S.W.
	7BU	Burnie, Tas.
670	2CO	Riverina Regional, N.S.W.
680	2HR	Singleton, N.S.W.
	4AT	Atherton, Qsld.
	7QT	Queenstown, Tas.
690	6WF	Perth, W.A.
700	2NR	Northern Rivers Regional, N.S.W.
710	7NT	North Regional Tas.
720	6GF	Goldfields Regional, W.A.
730	5CL	Adelaide, S.A.
740	2BL	Sydney, N.S.W.
760	4QS	Darling Downs Reg. Qsld.
770	3LO	Melbourne, Vic.
780	2KA	Katoomba, N.S.W.
	4TO	Townsville, Qsld.
790	6WN	Perth, W.A.
	2BH	Broken Hill, N.S.W.
800	5QG	Brisbane, Qsld.
810	5RM	Renmark, S.A.
830	3GI	Gippsland Regional, Vic.
850	2CY	Canberra, A.C.T.
860	4GR	Toowoomba, Qsld.
	7HO	Hobart, Tas.
870	2GB	Sydney, N.S.W.
880	3UL	Warragul, Vic.
	4WK	Warwick, Qsld.
	6PR	Perth, W.A.
890	5AN	Adelaide, S.A.
900	2LM	Lismore, N.S.W.
	7AD	Devenport, Tas.
910	4RK	Rockhampton Regional, Qsld.
920	2XL	Cooma, N.S.W.
	4VL	Charleville, Qsld.
930	3UZ	Melbourne, Vic.
940	4QR	Brisbane, Qsld.
950	2UE	Sydney, N.S.W.
960	5DN	Adelaide, S.A.
970	3BO	Bendigo, Vic.
	4AY	Ayr, Qsld.
980	2KM	Kempsey, N.S.W.
	6AM	Northam, W.A.
990	2GZ	Orange, N.S.W.
1000	4MB	Maryborough, Qsld.
	4CA	Cairns, Qsld.
	7EX	Launceston, Tas.
1010	3HA	Hamilton, Vic.
1020	2KY	Sydney, N.S.W.
1030	3DB	Melbourne, Vic.
1040	5PI	Crystal Brook, S.A.
1050	2CA	Canberra, A.C.T.
1060	4SB	Kingaroy, Qsld.
1070	2RG	Griffith, N.S.W.
	6WB	Katanning, W.A.
1080	2TT	Lithgow, N.S.W.
	4RO	Rockhampton, Qsld.
1090	2TK	Lubeck, Vic.
1100	4LG	Longreach, Qsld.



- 7LA Launceston, Tas.  
 1110 2UW Sydney, N.S.W.  
 1120 4BC Brisbane, Qsl.  
 1130 2AD Armidale, N.S.W.  
 3CS Colac, Vic.  
 6ML Perth, W.A.  
 1140 2HD Newcastle, N.S.W.  
 1150 2WG Wagga, N.S.W.  
 1160 7ZR Hobart, Tas.  
 1170 2NZ Inverell, N.S.W.  
 1180 3KZ Melbourne, Vic.  
 1190 2CH Sydney, N.S.W.  
 1200 5KA Adelaide, S.A.  
 1210 2GF Grafton, N.S.W.  
 3YB Warrnambool, Vic.  
 6KG Kalgoorlie, W.A.  
 1220 4AK Oakey, Qsl.  
 1230 2NC Hunter River Regional, N.S.W.  
 1240 3TR Sale, Vic.  
 6IX Perth, W.A.  
 1260 3SR Shepparton, Vic.  
 1270 2SM Sydney, N.S.W.  
 1280 3AW Melbourne, Vic.  
 1290 4BK Brisbane, Qsl.  
 1300 2TM Tamworth, N.S.W.  
 1310 5AD Adelaide, S.A.  
 1320 3BA Ballarat, Vic.  
 6PM Freemantle, W.A.  
 1330 3SH Swan Hill, Vic.  
 4BU Bundaberg, Qsl.  
 1340 2LF Young, N.S.W.  
 6TZ Darnanup, W.A.  
 1350 3GL Geelong, Vic.  
 1360 3MA Mildura, Vic.  
 4PM Port Moresby, Qsl.  
 1370 2MO Gunnedah, N.S.W.  
 5SE Mt. Gambier, S.A.  
 6GE Geraldton, W.A.  
 1380 4BH Brisbane, Qsl.  
 1390 2GN Goulburn, N.S.W.  
 4MK Mackay, Qsl.  
 1400 2PK Parkes, N.S.W.  
 5AU Port Augusta, S.A.  
 1410 2KO Newcastle, N.S.W.  
 1420 3XY Melbourne, Vic.  
 1430 2WL Wollongong, N.S.W.  
 1440 2QN Deniliquin, N.S.W.  
 4IP Ipswich, Qsl.  
 1450 2MG Mudgee, N.S.W.  
 7DY Derby, Tas.  
 1460 2CK Cessnock, N.S.W.  
 5MU Murray Bridge, S.A.  
 1470 2MV Murwillumbah, N.S.W.  
 3CV Charleton, Vic.  
 1480 2AY Albury, N.S.W.  
 1490 2BE Bega, N.S.W.  
 4ZR Roma, Qsl.  
 1500 2BS Bathurst, N.S.W.  
 3AK Melbourne, Vic.



Walton Knight, Hallwood, Acco. Co., Va. (SWL cards and correspondence).

Carroll H. Clark, 806 Second St., Snohomish, Wash. (SWL cards).

Austin B. Wardman, 105 Kenmore Ave., Forest Hills, Penna. (SWL cards, swap stamps).

Nicola Cannata, 1003 S. Halsted St., Chicago, Ill. (SWL cards).

Myron Talman, 2001 E. 29th St., Kansas City, Mo. (SWL cards).

Glenn Thormann, Westbury, N. Y. (SWL cards and correspondence).

Allen G. Hooker, Liberty, Sask., Canada, (correspondence).

Edgar W. Keller, 2847 W. Madison St., Chicago, Ill. (correspondence with Pacific Coast residents and wants Chicago Radex Club members to call on him).

Connie Sideris, 144 E. 5th St., Oswego, N. Y. (SWL cards correspondence).

Clarence I. Cook, 920 Gwinn St., Medina, N. Y. (Swap SWL cards and photos).

George J. Hiss, 8915 Harratt St., W. Hollywood, Calif. (Will exchange his card for foreign SWL's).

O. Ingmar Oleson, Postmaster, Ambrose, N. Dakota. (Will correspond with users of Scott or McMurdo Silver Masterpiece receivers).

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

Harold B. Schubert, 703 S. Evergreen St., Britt, Iowa. (SWL cards).

N. Bernard Boonin, 246 S. Fairview Ave., Upper Darby, Penna. (Correspond with users of standard home radios).

Charles A. Black, 432 W. Hope Ave., York, Penna. (SWL cards).

Lionel Jacobs, 534 Atchison St.,

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Pasadena, Calif. (Correspondence).

Jose Carriazo, Jr., Factoria No. 62, Havana, Cuba. (SWL cards, magazines, newspapers, correspondence).

James Creevey, 2020 Washington Ave., Bronx, N. Y. (SWL cards).

Earle S. Miller, Box 663, East Worcester, N. Y. (SWL cards).

Anthony Arsenault (VE1FR), Box 444, Summerside, P.E.I., Canada. (SWL cards).

Vernon Lee Gibbs, Route 3, Lexington, Ky. (Swap SWL cards, Block letter post cards, correspondence).

Bill Camp, 1042 Water St., Moosic, Penna. (SWL cards).

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

Russell Cain, 1054 Holcomb St., Reno, Nevada, (SWL cards; swappers must send 1c for return postage as Russell has been swamped with requests for his card).

Charles Squires, 607 W. 136th St., New York, N. Y. (SWL cards; foreigners will receive his card, post card view of New York City and a letter).

Al Renfro Jr., 103 Maple St., Johnson City, Tenn. (SWL cards and correspondence).

Chester Stedman, 19 Summer St., Westerly, Rhode Island. (Correspondence).

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

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### Old Issues Available

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

Following are some selected back numbers:

The Oceania Broadcasting Stations, Sept. '38.

Tuning South Pacific Stations, Tuning South Americans, and a list of

South American Broadcasting Stations, Oct. '38.

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

Stations of New Zealand, April '39.

### The 1940 Issues

Jan.-Feb. High Frequency Broadcasting Stations; Radio Stations from 4320 to 5750 kcs; North American Broadcasting Stations with Week-day time on the air.

Mar.-Apr. International Prefixes; Radio Stations from 5858 to 8580 kcs.; North American Broadcasting Stations with mailing addresses.

May-June Turner Dial Discusses Servicing; Venezuela Stations; Peruvian Stations; La Paz, Bolivia Stations; Colombian Stations; Frequency Checks; Radio Stations from 8600 to 15270 kcs.; North American Broadcasting Stations with names of verification signers.

July-Aug. Radio Stations from 15280 to 39360 kcs.; Frequency Modulation Channels.

Sept.-Oct. The Radex Contest: QSA and R Codes; This Hobby Called DXing; The Spanish Alphabet; International Prefixes; Radio Stations from 39380 to 138960 kcs.; Television Stations; Frequency Modulated Stations.

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



# On The West Coast

By MELVIN FISHER

Believe it or not, fellows, your correspondent is not going to say much this time, because reception reports are so numerous that yours truly is going to slump back into an easy chair, put a satisfied smirk on his face, and just listen.

But first, we must not forget our contest standings and the Big Three competition. Latest reports available at the time of this writing show the standings of West Coasters as follows:

**All Wave Division:** Harry Johnson, 42 points.

**Broadcast Band Division:** Bob Brown, 280; Harry Johnson, 6.

**Shortwave Division:** A. G. Hooker, 40; Arthur Cushen, 5.

**This Department's Distant Contests:** Richard Brauer of Los Angeles leads in the shortwave section with WRUL, and also in the broadcast band section with CBL.

**The Big Three:** The competition for places in the Big Three this time was tooth and nail. Reports were so plentiful, and so many fellows really deserved a place, that for a time your poor editor didn't know whether to throw in the towel and award his mother-in-law first place, or to give up his III-A classification in the draft and join the army. But after coming down to earth we came up with the following:

1. Allen G. Hooker
2. Arthur Cushen
3. George J. Hiss

Honorable mention is due the following RADEXers: Charles Benedict and R. V. Caldwell. It looks like the boys outside the U. S. A. are pointing the way this time. Hooker is from Canada and Cushen from New Zealand.

OUR READERS SAY—

Gerald Webb, Long Beach, Calif.,

writes, "KNX comes on the air at 4:45 am, and KRKD at 6. Also on at 5 am is KFOX, and all the following sign-on at 6 am: KGER, KHJ, XELO, KPO, KGO, XEMO and KMJ. KFVD was listed as an all-nighter. This is not true. KFVD operates from 10 pm until sun-down of the following day, when they go off the air in favor of WHO. (Ed. Note: When we listed KFVD as an all-nighter we had in mind the fact that they operated from midnight, when the majority of stations sign off, on through the night). Also, KFAC is a 24-hour station. KTAR is now using its 5000 watt transmitter."

Gerald sends information on some small networks which may be of interest. The Yankee Network, he says, comprises WNAC, WTIC, WEAN, WICC, WCSH, WLLH, WSAR, WLBZ, WFEA, WNBH, WBRK, WNLC, WLNH, WRDO, WCOU, WHAI and WSYB.

The Texas State Network includes KRBC, KFDA, KNOW, KFDM, KBST, KRIS, WRR, KFJZ, KLUF, KXYZ, KFRO, KFYO, KPLT, KGKL, KABC, KRRV, KTEM, KCMC, KGKB, WACO, KRGV, KWFT and KVWC. This network is a member of the Mutual System.

Members of the Quaker Network are: WFIL, WRAW, WSAN, WEST, WORK, WAZL, WGAL, WGBI, WBRE, WKBO, WRAK, WJAC, WLEU, WTBO and WWSW.

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

Melvin Fisher  
1401 Bancroft Way  
Berkeley, Calif.

(Please use PST in reports).



The New York Broadcasting System has WINS, WABY, WIBX, WSYR, WMBO, WSAY, WKBW, and WJTN.

With WMCA as its key station, the Inter City Broadcasting System includes WIP, WGAL, WORK, WILM and WCBM.

WAAB in Boston is the key station of the Colonial Network, and member stations are WEAN, WICC, WLLH, WSAR, WSPR, WLBZ, WFEA, WNBH, WTHT, WATR, WBRK, WNLC, WLNH, WRDO, WHAI, WCOU and WSYB. These stations are also members of the MBS.

KOY, KTUC and KSUN form the Arizona Network, being also affiliates of the CBS.

"I'm leaving the states for the Philippines, but I shall be back for the 1941-42 season," promises Forrest I. Webb of Salinas, Calif. "I intend to have an FM receiver by then. I've logged 517 stations on the BCB, and have verified all states, Alaska, Hawaii, Cuba, six Canadian provinces, fifteen Mexican states, New Zealand and Australia."

R. V. Caldwell of Neskowin, Ore. tells us that KWIL in Albany, Ore. had its initial broadcast on 1210 kcs on Jan. 14th at 6 pm. Owned by the Willamette Valley Broadcasting Co., they are a member of the MBS.

"I have been DXing for about four months," Franklin Williams writes from Glendale, Calif. "I have verified 11 states so far, my farthest being WWL. Incidentally, in reply to Bill Gabriel, Jr., WWL verifies for a good report and one cent postage."

From Pasadena, Calif., Lionel Jacobs reports that KPPC is trying to get on the air full time as a semi-commercial station. Using 100 watts, it is operated by the Pasadena Presbyterian Church. At present KPPC is on the air Wednesday evenings and Sundays for brief periods. If anyone would like a veri from KMPC, Lionel says to write to "Andy and Virginia," c/o KMPC, Beverly Hills, Calif.

Everett Davies of Sacramento, Calif. operates W6DON and is a transmitter "op" at KFBK, a position he has held for the past eleven years. He has been a ham operator for the past fifteen years and has DXed since 1921 on all bands. He uses a HALLI-CRAFTERS SX-17. He says, "For a lot of years I have made a hobby of collecting information on commercial radio stations of all types . . . have thousands of listings of "K" calls of historical interest dating as far back as 1912 . . . have information on all of the old broadcast stations that ever had K calls. If any of the readers are interested in this subject I would be glad to correspond with them—I am looking for more information, too. Will buy old call books, etc." RADEXERS can get in touch with Everett as follows: RFD #8, Box 4240, Sacramento, Calif., or address him in care of KFBK.

Art Cushen, Invercargill, N. Z.—"Logged KFVB, KOA, KFI, and XEMO. Other morning loggings are KMOX, KITE, KFAC, KFVD, KSL, KOIN, KOL and KELA. KNX and KFBK can be heard all the year round. Reports are out to KDB, WJSV, KOMA, XEAW, XENT, WCKY, CFCN, KPMC, KWKH, KGMB, and WSMB. Europeans can be heard in the Equinox period, but Nice is the only one verified. Latest Yanks heard are KRLD, KSTP, KPO, KMPC, KQW, KGO, KMO and KMED"

Frank Pace, Bellingham, Wash.—"I have about thirty reports out now, including WCCO, WWL, KRLD, WFAA, KSTP, KITE, WSB and WLW. In South Dakota I built up a log of about 500 stations, but so far here I have a log of only 200. Stations that didn't verify for me were XELO, KXL, KUTA, KVCV and KRE."

Clarence L. Mustoe, Brady, Mont.—"KGMB is very good until sign-off at 2:30 a.m. on 590 k/c. WLNH in New Hampshire adds one more state to my log. I am having my first



SWL cards made, so I hope to make some good trades. WBZ has been heard coming in over XENT. KGNC call letters stand for "Christ Gives New Courage." I have found that WCAW, WWVA, and WBT sign on one hour earlier than before. My best veries this year have been WSLB, WJLS, WAPI, WGTM, WMIN, WKBN, WIBM, WCAR, and WBEN. After about three years of writing I got a veri from WMIN. The slogan of WJLS is "The Voice of the Smokeless Coal Capital" and CKOV is "The Voice of Okanagan." CKOV was heard testing at 2:06 a.m."

Keith Davis, Berkeley, Calif.—  
 "KPHO was heard with very strong signals at 1 a.m., KFXM in San Bernardino was logged at midnight. KRKD broadcasts on 1120 k/c until 7 p.m., and then KFSG takes over."

H. H. Crow, Jr., Sacramento, Calif.—  
 "In reply to your query in RADEX, KRLC and KQRS have verified for me. I wonder if you could tell me sign-on times for WIBA, WDOD and WEBC. I am sixteen years old and have been DXing two and a half years. I have verified 65 stations and heard 404 in the United States. My father is W6AP and has been an amateur since 1910. I hope to become an amateur myself soon. KFDA was heard on 1200 k/c on Saturday, Feb. 1, from 2-2:30 a.m. with its regular FCC test. I don't know whether it is the first day of the month, or the first Saturday. KBPS had a special WDXA program on the same morning and KSAN kept silent."

"Ted" Vasilopoulos, W. Los Angeles, Calif.—  
 "One Friday morning I feel asleep with KGMB pounding in my ears R8—about 2:30 a.m. a Japanese station woke me up. (JOAK1) It was so strong I felt I could get him later and look for other stations. About 3:30 I turned back to 590 k/c and a Cuban had come on (CMCY) and ruined the Japanese station! TGW has been heard between six and



*Melvin Fisher, ye west coast editor, appears to be quite happy over the many fine reports he's been getting from his readers.*

eight p.m., and a Cuban on 1510 k/c. My vertical rod is working fine, and is much better than the inverted L antenna—less noise and almost as much "sock." Strange DX out here! In the east when the sun came up the stations lost their power—out here they linger until 8:30 and 9:30 sometimes."

R. A. Butts, Easton, Wash.—  
 "KIRO will operate with 50,000 watts power soon. How come I have been hearing XEAW on 1000 k/c lately?"

James Dagg, Aldergrove, B. C.—  
 "KQW is heard all day here during the winter. CKMO uses 300 ft. of stranded wire for an antenna. It hangs from the Sun Tower, a steel building. It is heard very poorly in West Vancouver as the tower is in the way of the signals. CFQC in Saskatchewan is organizing a new Canadian network. The station itself has been completely built over."



Wm. Cunningham, Hollywood, Calif.—“XEOK, Progreso, Yucatan is a new station on 1400 k/c with 1000 watts. XEFW, 810 k/c, XES and XECL will go to 5000 watts; XERC, XEFE (930 k/c) XEDA, XEQW, XECZ and XELZ to 1000 watts; XEBS and XEL to 750 watts; XEJP and XEBW to 600 watts; XEBZ, XEFB, XEK, XEMX, XERL, XEDK to 500 watts; XEGC and XEFC to 250 watts; and XEBU to 100 watts. XES will move to 990 k/c from 1300. XEOA, XEXH and XEWE are deleted.”

Russell Cain, Reno, Nev.—“I heard my first TPs at 1:30 a.m. on Feb. 16th. They were JOAK1 and KGMB, both on 590 k/c. KGMB was first heard and during a period of fading JOAK1 came in for five or six minutes.”

KIRO, which now uses 10,000 watts, conducts a Time Klock Klub from 6:15 to 7 am, with Carroll Foster announcing. They request all listeners to join the club—membership is free. (Rogers).

KEYS, Corpus Christi, Tex, has been heard testing on 1490 kcs, and KUJ on 1420 kcs. WNEL has been heard, using 5000 watts. KAVE is the new call of KLAH, Carlsbad, N. Mex., the change being made in honor of the Carlsbad Caverns. The first station heard testing on its new assignment was KSTP, on 1500 kcs., on March 6th. (H. H. Crow, Jr.).

KZRH, Manila, and KZRC, Cebu City, are now members of the NBC. SURVEYING THE SHORTWAVES

In this department we try each issue to bring you the latest news on the shortwave stations—new stations, changes in frequencies, etc., as well as reports on how well and how often the regular stations are being heard.

#### Aden

ZNR, 12,110 k/c, Aden, broadcasts 9-9:50 a.m. (Cushen, N. Z.)

#### Algiers

TPZ, 12,120 k/c, and TPZ3, 8960 k/c, are excellent from 9-11 a.m. (Cushen, N. Z.) TPZ2, Algiers, 8860

k/c, heard 2:30-2:55 p.m. with R4-5 signals. A lady announces as “Ici Radio Alger”, in French. A gong is sounded at intervals. (Hooker—Sask.)

#### Australia

VLR7 is excellent on 11840 k/c at 10 p.m. VLW2, 9560 k/c, very good at 3 a.m. (Cushen, N. Z.) VLW5, Perth, heard on 6180 k/c closing at 9:30 p.m. (Cushen, N. Z.) VLQ2, 11870 k/c, Sydney, was heard with clear signals at 7:30 a.m. (Hooker).

#### Bahamas

ZNS2, 6090 k/c, heard Sunday evening with church services 6-6:30 p.m., followed by a resume of programs until sign-off at 6:37 p.m. Signal good, but hampered by interference from XEBF and CRCX, presumably. (RF)

#### Belgian Congo

“Congo Belge”, 10140 k/c, heard 11-11:45 a.m. with a good signal. (Cushen—N. Z.)

#### Brazil

PSK on 8200 k/c heard with a fair signal. (Hiss) PPQ, 11670 k/c, Rio de Janeiro, was heard with an R4 signal working LSX2, Buenos Aires. Announcements were in English and Spanish. (Hooker—Sask.)

#### Canada

CJRX, Winnipeg, heard at 4:15 p.m. on 11720 k/c with an R6 signal. (Williams) CKFX, 6080 k/c, Vancouver, powered at 10 watts, is my best verification to date. (Cushen—N. Z.) CKFX was heard with a very good signal from 9 p.m. to midnight. (enedict). CJRX heard relaying CJRC with R9 plus signal 5:30-6 p.m. on 11720 k/c. (Hiss).

#### China

XGOY, 9645 k/c, has a good signal from 7-8 a.m. A man gives news in English. (Hiss) XPSA, 8480 k/c, Kweiyang, heard signing off with weak signals at 7 a.m. (Hooker—Sask.)

#### Colombia

HJCF, Bogota, 9710 k/c, logged with R9 signal at 6:30 p.m. on Sunday. HJFA on 6055 k/c has a strong signal around 6 p.m. (Hiss)



### Costa Rica

TIX on 5830 k/c was heard signing off at 9 p.m. with a series of cuckoo calls, and a song in English, "Good Night". TIFG on 9620 k/c heard signing off in English at 8:30 p.m. with an R7-8 signal. (Hiss) TIFG heard from 8:30-8:45 p.m. with organ music. (Hooker—Sask.)

### Cuba

COCQ on 8830 k/c came in R8 at 5:30 p.m. relaying CMQ. COCX, 9200 k/c, is heard nightly with an R6 signal. COKG, Santiago, heard on 8960 k/c with news from 4-4:30 p.m. Identification is four bells and a bird call. COCO on 8700 k/c was heard signing off in English at 10 p.m. (Hooker—Sask.)

### Curacao

PJC on 5938 k/c heard 6-7:30 p.m. with a good signal, but lots of fading, and QRM from a Spanish speaking station, presumably OAX2A. Announcements are in English and Dutch, sometimes Spanish, preceded by four notes on a gong. Sign-off was at 7:38 p.m. (Hiss)

### Dutch East Indies

YDH4, 30 watts, 3420 k/c, one of the many heard Dutch East Indies stations. They were logged at 7 a.m. (Cushen—N. Z.)

### Ecuador

HCJB, 12460 k/c, heard at 8:20 p.m. with a very good signal. (Williams). HCJB verified with a large card with picture of station, list of their frequencies—they also operate a broadcast band station on 970 k/c, a short-wave experimental on 27,985 k/c, a station on 4107 k/c, and a ham station on 20 meters. There is a large red, yellow, and blue strip down across the whole card. (Hiss) HCJB comes in here R9. (Benedict) HCODA, Guayaquil, 9445 kcs, heard daily at 4:30 p.m. with R7 signal. (Hooker—Sask.) HCJB has two English programs, at 3 p.m. and 6 p.m. They request ten cents in coin for a monthly souvenir. (Hiss).

### England

GRU is a new BBC station on 9460 k/c. (Cushen—N. Z.) GSL on 6110

k/c was good at 11 p.m. (Hiss)

### French Equatorial Africa

"Radio Brazzaville", 11950 k/c, opens at 12:30 p.m. with a good signal. The station is operated by the Free French. (Cushen—N. Z.) They broadcast at 7:45 a.m. to Canada and the United States. (Hooker—Sask.)

### French Indo-China

"Radio Saigon" excellent at 3 a.m. on 6180 k/c. (Cushen—N. Z.) Heard on 11780 k/c with an R6-7 signal 7:40-8 a.m. (Hooker—Sask.) "Saigon" heard well on 9675 k/c, 6116 k/c, and 11780 k/c. News in English given by a lady 7:30-8 a.m. (Hiss)

### French West Africa

"Radio Dakar" on 9395 k/c at 12:15-1 p.m. with English news at 1 p.m. (Cushen—N. Z.)

### Germany

DXY, 9525 k/c, is a new station heard almost every evening carrying the North American program, and is heard better than DXB. (Matzen) DXB on 9610 k/c puts in an R5-6 signal at 11:30 a.m. DJZ, 11800 k/c, comes in with weak signals about 5:15 p.m. DZC, 10290 k/c, logged on a program of band music with good signals at 4:58 p.m. (Hooker—Sask.)

### Greece

SVM, 9935 k/c, Athens, heard 11:45 until noon with news in English. Signal was R5-6. They announce as "Athens calling." (Hooker—Sask.)

### Guatemala

TGWA logged on 15170 k/c with marimba music from 2-2:15 p.m. with R9 signals. (RF) TGWB on 6480 k/c is best heard here. (Hiss)

### Haiti

HH3W, Port-au-Prince, heard every evening on 9780 k/c, though not very well. Bells and English announcements at 5 p.m. (Hooker—Sask.) HH2S, 5940 k/c, heard R9 at times between 7-7:30 p.m.

### Hungary

HAT-4, Budapest, announces as "Radio Budapest, Hungary, Calling". They were heard very well on 9125 k/c at 4:35-4:50 p.m., with news in English at 4:48. (Hooker—Sask.)

### India

VUD4, 11830 k/c, heard very well closing at 9:15 a.m. VUD, 3450 k/c, was logged with a good signal at 7 a.m. (Cushen—N. Z.)

### Italy

2RO3 on 9630 k/c was heard at 6 p.m. in parallel with 2RO18 on 9760 k/c. (Hiss)

### Japan

JLG4 has been heard very well here lately from 5-7 p.m. with news in English at 5:15. They operate on 15,105 k/c. (Benedict) JZI, 9535 k/c, and JZJ, 11800 k/c, broadcast English news in parallel 7:45-8 a.m. (Hooker, Hiss) JVZ, 11815 k/c, and JLG4, 15105 k/c, were heard at 5 p.m. broadcasting to Canada. Signals were R6-7. (Hooker—Sask.) The Japanese station reported as broadcasting in parallel with JLG4 is JVZ, 11815 k/c. On pg. 19 of Jan.-Feb. issue of RA-DEX, the call was given as JZG, JVZ, and JZZ, but I definitely heard the call announced as follows: "J as in Japan, V as in victory, and Z as in Zero." (Matzen) Latest schedule of broadcasts to North America and Hawaii are as follows: JZK, 15160 k/c, and JLG4, 15105 k/c, from 5-7 p.m.; JZK and JZJ, 11800 k/c, from 7:30-10 p.m., and JZK from 10:30 p.m. to 12:30 a.m. (RX)

### Manchukuo

MTCY has been heard with R9 plus signals on 6125 k/c from 4-5 a.m., though the signal is usually weaker. (Hiss)

### Martinique

"Radio Martinique", Fort de France, sounds chimes before and after its announcement of "Ici Radio Martinique". They are on 9703 k/c and were heard 4-4:30 p.m. with a variable signal. (Hooker—Sask.)

### Mexico

XEXA, 6170 k/c, has good signals until 12:30 a.m. (Cushen, N. Z.) XEBR on 11820 k/c was heard R9 at 4:30 p.m. (Hiss)

### Mozambique

CR7BE verified with a nice card in various shades of green. (Cushen—N. Z.)

### Panama

HP5G, 11775 k/, was heard testing with very good signals at 9 p.m. (Cushen—N. Z.) HP5G heard with news in English at 4-4:30 p.m. (Hooker—Sask.)

### Peru

OAX2A, 5940 k/c, and OAX4T, 9556 k/c, are heard very well in the evenings. (Hiss)

### Philippines

KZIB, 6060 k/c, was heard R9 with an English program at 2 a.m. KZRF on 6140 k/c is fair around 2-3 a.m. (Hiss) KZRH on 9635 k/c was heard with "Manila Night Hawk" program at 7:20 a.m. Signal was R6. (Hooker—Sask.) KZRC, 6160 k/c, Cebu City, has been heard signing off in English at 7 a.m. (RF)

### Portugal

CSW-7 at Lisbon on 9740 k/c comes in daily with recorded musical selections. Portuguese and English announcements are heard at 11 a. m., made by male and female announcers. (Hooker—Sask.)

### San Salvador

YSPB, 6570 k/c, closes at 9 p. m., with a weak signal. (Cushen-N. Z.)

YSD on 7894 k/c is heard R7-8 almost every night with marimba music. They close at 8 p. m., with clock striking and a bird call. (Hooker—Sask.)

### Straits Settlements

ZHJ, Penang, has good signals at 3 a.m., on 6090 k/c. (Cushen-N. Z.)

### Switzerland

HBH, 18480 k/c, very good Friday mornings at 5:30 a.m. (Cushen-N. Z.)

### Thailand

HSP5, 1175 k/c, Bangkok, heard with good signals at 7 a. m. (Cushen.)

### Union of South Africa

ZRL heard at 8:45 p. m. with setting up exercises. At 9 p.m. a clock strikes 7, with announcements and a bugle call. (Hooker, Hiss.)

### United States

WLWO heard on new frequency of 11710 k/c 2:30-3 p.m. and later relaying NBC. (RF) Heard with a fair signal at noon. (Cushen.) WRUL sent a note stating they do not issue veries



any more. (Hiss.) WNBI broadcasts on 17780 k/c from 6 a.m. to 1 p.m., directed to Europe, and on the same frequency from 1-8 p.m., directed to South America. Then from 9-10 they broadcast on 6100 k/c directed to Mexico and Central America. WRCA transmits 9 a.m. to 12:30 p.m. on 21,630 k/c, directed to South America and from 1-10 p.m. on 9670 k/c directed toward South America. Power of WRCA and WNBI is 25,000 watts. (Benedict.) W2XGB, Hicksville, N. Y., powered at 10,000 watts, heard on 12,862 k/c with R8-9 signal on a special test in the late morning. (Hooker, Cushen.) WLWO on 9590 k/c logged at 8:30 p.m. with R9 plus signal. (Hiss.) KGEI now operates from 4-9:15 p.m. on 15330 k/c and on 9670 k/c from 4-9 a.m. and 10-12 p.m. WBOS now operates on 11,870 k/c, replacing WPIT. (Benedict.)

### Uruguay

CXA19, Montevideo, heard with very strong signals on 11710 k/c around 6 p.m. (Hiss.) CXAI9 came in with R5 signals at 5 p.m. (Hooker.)

### SHORTWAVE NOTES

"Radio Levant, Barub, Lebanon, Syria, was heard on 7980 kcs. from 8:30-9 p.m. PST. Volume was good but there was considerable fading. This fine catch was reported by Russell Cain of Reno, Nev., who says he is sure of the frequency, although he has seen reports of this station on 8030 kcs.

A new amateur station in the Philippines, KA1GH, works on 20 and 40. Will have veri cards by the time this is in print, and wants reports.

A notice from MTCY gives their address as 601 Daido-Taigai, Hsing-king, Manchukuo. The frequencies of this station are shown as 11775, 9545 and 6125 kcs, with 20,000 watts power.

KNBQ, 2912 kcs, Amarillo, Texas, heard well KAYJ, 2726 kcs., Rock Springs, Wyo., heard on a frequency test from 8:30-8:40 PST. (Benedict.)

W4XA is heard very well from 11

a.m. to 3 p.m., with 1000 watts on 26150 kcs. W2XBG, heard testing on 17310, verified with two pictures of their studio and transmitter. W9XPD is very good on 25900 kcs. best around noon. Powered at 100 watts, they are owned by the Pulitzer Publishing Co., St. Louis. (Benedict).

### List of Reporters

- RF—Your West Coast Editor, Berkeley, Calif.  
 R839—Wm. Cunningham, Hollywood, Calif.  
 R881—Clarence Lee Mustoe, Brady, Mont.  
 R1098—Ted E. Matzen, Miles City, Mont.  
 R1151—Robert Brown, Goshen, Ind.  
 R1213—H. H. Crow, Jr., Sacramento, Calif.  
 R1220, N.Z.-3—Arthur Cushen, Invercargill, N. Z.  
 R1245—R. A. Hayre, Salem, Ore.  
 R1539—James A. Dagg, Aldergrove, B. C.  
 R1829, Nev.-2—Russell Cain, Reno, Nev.  
 R1849—Allen G. Hooker, Liberty, Sask.  
 R1870—Frank Macedo, Victoria, B. C. (Home Address).  
 R1905—Forrest L. Webb, Salinas, Calif.  
 R1919—George J. Hiss, West Hollywood, Calif.  
 R2016—R. V. Caldwell, Neskowin, Ore.  
 R2030—Keith Davis, Berkeley, Calif.  
 R2041—T. P. Vasilopoulos, West Los Angeles, Calif.  
 R2045—Bob Bell, Alhambra, Calif.  
 R2077—Charles Benedict, Altadena, Calif.  
 Gerald Webb, Long Beach, Calif.  
 Franklin Williams, Glendale, Calif.  
 Lionel Jacobs, Pasadena, Calif.

Everett Davies, Sacramento, Calif.  
 Frank Pace, Bellingham, Wash.  
 R. A. Butts, Easton, Wash.  
 Richard Brauer, Los Angeles, Calif.  
 Paul Rogers, Cheney, Wash.  
 Carroll H. Clark, Snohomish, Wash.  
 Harold Balaam, Lynwood, Calif.  
 Walter D. Carroll, Alamosa, Colo.  
 Fred Anderson, Fort Mills, P. I.

(e); CO2US (e); CO2VK (ef); CO2WL (e); CO2WM (e); CO2WR (e); CO2WW (e); CO2WX (fg); CO2XY (e); CO2YW (e); CO6OM (e); CO7AB (e); CO7AS (e); CO7CR (e); CO7VP (ae); CO8AC (e); CO8AP (e); CO8JK (e); CO8MP (aefjkm); CX2CO (1).

EA7BA (1); EA9AI (1); HC1FG (e); HC1VT (1); HC2AC (e); HC2CC (el); HC2HC (b); HC2HP (ae); HH2B (e); HH2HB (e); HH2PB (e); HH4AS (e); HH5PA (e); HI2K (e); HI3N (e); HI5X (e); HI6Q (e); HI7B (f); HI7G (ei); HI7I (e); KH1AK (e); HK1AL (bg); HK1AW (e); HK3A (e); HK3CC (eg); HK3CI (e); HK3CK (e); HK3CO (e); HK3CY (e); HK4DH (e); HK4DJ (1); HK4FA (e); HP1A (e); HR5C (1); KB4FEX (e); KC4USA (abej); KC4USB (abefj); KD4GYM (abgijk); KF6JEJ (d); K4DDH (a); K4DEE (e); K4DSE (aeij); K4EJF (e); K4EMG (ae); K4ENT (efm); K4EZR (g); K4FAB (aefim); K4FAY (ej); K4FCG (eik); K4FKC (aefgj); K4GPG (j); K4GTH (afgij); K4JTH (b); K4KD (f); K5AM (e); K5AP (aek); K66BNR (e); K6FRZ (e); K6GAS (e); K6GIT (e); K6IIW (e); K61QN (eim); K6KGA (e); K6LCV (eb); K6LEJ (dm); K6LKN (e); K6MVA (e); K6NYD (ej); K6OJI (dei); K6OQE (d); K6OTH (e); K6PCF (e); K6PHD (e); K6PLV (e); K6PLZ (el); K6PTW (em); K6RVU (e); K6SRZ (deim); K6SWV (e); K6SYM (e); K7BUB (efi); K7CBF (ef); K7GSC (e); K7GTP (a); K7HAR (ej); K7HCX (e).

### Amateur Calls Heard

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

#### Ten Meters

KB4HBX (fn); KC4USB (n); KD4GYM (n); K4EZR (i); K4FAB (h); K4GIG (i); K4GTS (hi); K5AQ (h); K6IKN (h); K6LEJ (h); K6LFM (h); K6MVV (fh); K6MXM (h); K6OQE (h); K6OQM (h); K6PAS (h); K6PIR (h); K6QLG (h); K6QUG (h); K6RCB (h); K6RVG (hi); K6SWV (fh); K6TAI (h); K7BUB (n); K7CBF (n); K7HCX (n); K7HMN (i).

#### 20 Meters

CE1AC (e); CE1AR (e); CE1AS (e); CE1BC (e); CE2AW (b); CE3BV (k); CE3CG (ef); CE3CZ (el); CE3LR (k); CE4DW (e); CO2AM (e); CO2AR (a); CO2BA (ek); CO2CK (efi); CO2CO (e); CO2RD (ae); CO2GG (e); CO2GL (aefgk); CO2GY (e); CO2HL (fg); CO2HY (e); CO2JH (eg); CO2JJ (egik); CO2KY (e); CO2LA (ef); CO2LL (ek); CO2LY (aei); CO2MA (aefk); CO2MG (e); CO2RF (g); CO2RL (g); CO2RR (efg); CO2RO (e); CO2RS (a); CO2RZ (e); CO2SV

LU1CE (e); LU1DA (e); LU1HA (e); LU1KA (e); LU2AW (e); LU2CA (e); LU3AA (e); LU4BC (el); LU4CZ (e); LU5AN (el); LU5CK (e); LU7AC (e); LU7KB (e); LU7BI (e); LU8AV (b); LU9HA (1); NY1AA (b); NY4AB (aij); NY4AD (efim); OA4AI (e); OA4C (be); OA4CT (k); OA4R (ek); PY1BE (e); PY1IM (e); YP1MS (1); PY2AC (e); PY2AB (e); PY2BH (e); PY2DA (e); PY2ER (e); PY2GC



(e); PY2HY (e); PY2IT (el); PY2KT (e); PY2LN (e); PY2MH (l); PY5AQ (e); PY7AI (e); PY8AB (e); PY9AB (e); TG5JG (e); TG9AA (e); TG9BA (em); TI2AB (e); TI2AC (l); TI2LR (e); TI2RC (e); TI3AV (e); TI4AC (e); TI5NA (ek); XE1AC (e); XE1AM (e); XE1BC (e); XE1BY (eg); XE1CA (elm); XE1CH (efg); XE1CJ (e); XE1CO (e); XE1CX (e); XE1EH (e); XE1F (e); XE1FC (e); XE1GE (e); XE1GG (e); XE1HR (e); XE1JH (e); XE1JW (e); XE1LK (e); XE1LL (e); XE1MF (de); XE1O (e); XE1PAA (e); XE1Q (e); XE1VA (e); XE2AS (e); XE1AV (e); XE2AY (e); XE2BVG (e); XE2DQ (e); XE2FA (e); XE2GA (e); XE2HB (e); XE2HD (el); XE2HY (e); XE2IK (e); ZE2IY (e); XE2JL (e); XE2KA (e); XE2KN (e); XE2S (k); XE2SX (e); XE3AH (e); XE2AR (e); XE3AX (e); XE30 (e); YNU1 (el); YN1F (e); YN1IP (e); YN2X (e); YS1JA (e); YS1MS (e); YVAC9 (e); YV1AN (be); YV1AP (l); YV1AQ (elfg); YV1AV (be); YV4AB (e); YV4AE (e); YV4AF (e); YV4AN (e); YV5ABC (eg); YV5ABE (e); YV5ABF (e); YV5ABY (e); YV5ACA (e); YV5ACE (e); YV5ACG (e); YV5AE (e); YV5AK (e); ZS5Q (e).

#### 40 Meters

CE1CY (k); CO2BS (b); CO2CL (ef); CO2CO (f); CO2JG (k); CO2LU (f); CO2MC (k); CO2MF (f); CO2AF (f); CO5AV (k); CO6AS (b); CO6AX (bfk); CO6BC (g); CO6BE (f); CO6CZ (b); CO8AV (f); HK1AK (k); HK2CN (b); HK3EW (f); HK4EH (f); KH8HK (b); KB6GJX (e); PY2LN (fk); TI2RA (k); TI4AC (fk); TI5OLL (f); TI8MU (f); XE1AC (k); XE1AW (f); XE1CX (f); XE1HV (b); XE1JJ (k); XE1LF (fg); XE1LG (k); XE1LL (k); XE2C (k); XE2LC (f); XE3AR (f); XE3H (k); YV1AO (k); YV5ABX (c).

#### The Reporters

- (a) Philippe A. Bates, Philadelphia, Pa.
- (b) Terence Boyd, Toronto, Ont.
- (c) Roger Crabill, Washington, D. C.
- (d) Melvin Fisher, Berkeley, Calif.
- (e) Clarence Freeman, Fort Wayne, Ind.
- (f) Norman Kane, Wynnewood, Pa.
- (g) Ed Laudansky, Dorchester, Mass.
- (h) Merton Meade, Kansas City, Mo.
- (i) Harry O'Meara, Manchester, Mass.
- (j) Al Renfro, Jr., Johnson City, Tenn.
- (k) Weston Richards, Zion, Ill.
- (l) Meredith M. Stroh, Kitchener, Ont.
- (m) Glen Thormann, Westbury, N. Y.
- (n) Mike Unger, Detroit, Mich.



*This attractive SWL card is sent out by Stan Sosnowski of Detroit, Michigan. Stan receives excellent results from Hams who gladly QSL after they receive his card.*

Please send us the names of friends who have shown an interest in DXing and whom you think would be interested in receiving a sample copy of RADEX. A postal card with the names and addresses on it will do. Thank you. RADEX, Emerson, N. J.

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

# High Frequency Globe Trotting

By RAY LA ROQUE

## Report-O-Meter

Norman H. Kane, Jr. ....	100%
Edward Laudansky .....	96%
Arnold Worme .....	83%
Roger Legge .....	81%
Francis Fellers .....	64%

Except for the first two places, which remain the same as last month, the Report-O-Meter is made up of new faces. . . The grouping in the meter is closer than it ever has been in the past, only four points separating first and second place and two points dividing third and fourth place! Honorable mention goes to Arthur Stevens, Alton Caldwell, Gerald Swamberg, and Bob and Bill Camp. Will the listeners who reached the meter this month please forward information on the receivers they use for the benefit of other readers next month?

## "FM" FACTS

New stations to be added to the list appearing in the last RADEX:

43100 kcs.

W31NY (?) Alpine, N. J., Edwin H. Armstrong, 15610 sq. mi.

43200 kcs.

W8XFM Cincinnati, Ohio (Crosley Corp.) 1000 watts (exp.)

44100 kcs.

W41WS Winston Salem, N. C. (Gorden Gary) 69400 sq. mi.

44700 kcs.

W47PH Philadelphia, Penna. (Pennsylvania Broadcasting Corp.) 9300 sq. mi.

44900 kcs.

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

W49FW Fort Wayne, Ind. (Westinghouse) 6100 sq. mi.

45100 kcs.

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

45300 kcs.

W53PH Philadelphia, Penna. (WFIL Brdcast. Co.) 9300 sq. mi. 45700 kcs.

W57PH Philadelphia, Penna. (Westinghouse) 9300 sq. mi. 46500 kcs.

\_\_\_\_\_ Kansas City, Mo. (Midland Brdcast. Co.) 1500 watts (exp.) 46700 kcs.

W67B Boston, Mass. (Westinghouse) 6700 sq. mi. 47100 kcs.

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

W71SB South Bend, Ind. (South Bend Tribune) 4300 sq. mi. 47500 kcs.

W75C Chicago, Ill. (Moody Bible Institute) 10800 sq. mi. 48100 kcs.

W81SP Springfield, Mass. (Westinghouse) 2500 sq. mi.

The FCC has granted extension of experimental licenses of the following stations until May 1, at which time renewal will again be necessary: W8XAD, W8XVH, W1XSN, W1XK, W2XMN, W2XOR, W2XOY, W2XQR, W3XO, W8XVB, W1XSO, W1XPW, W1XTG, W1XOJ, W9XZR, W9XYH, W9XAO, W2XWG, W1XER, and W3XMC. . .

W2XMN has been granted permission to re-transmit the programs of W1XOJ in Paxton.

New regulations announced because of the difficulty of new stations to procure transmitting equipment dur-

Readers living in the Eastern and Central Standard Time Zones may

send their report direct to

Ray LaRocque  
105 Highand St.,  
Worcester, Mass.

(Please use EST in reports)





*Ted E. Matzen, of Miles City, Mont.*

ing the present defense preparations: An experimental FM station may use its construction permit for a commercial license for the experimental station until such time as new equipment can be procured. . . . Experimental FM stations having commercial publications before the FCC, can have their experimental licenses renewed until such time as the FCC takes action upon their application.

. . . Any experimental station which has not applied for commercial license may continue to operate experimentally only so long as no other commercial FM station serves the same area.

In cases where commercial FM stations are licensed to serve a greater area than the present experimental station is serving, the broadcaster may serve a smaller area with commercial privileges until he is able to procure equipment to serve the larger area.

W1XOJ is heard daily with terrific signals all day. . . W1XTG is heard daily with R8-9 signals. . . W1XK is heard daily with fair to good signals. (Caldwell-Mass.)

W2XOR was heard with a good signal, but they were heard only once. (Wetherill-Pa.)

W3XIR on 42140 kcs. sent me a verification. They are now off the air making plans to change over to FM. (Wetherill-Pa.)

W45D on 44550 kcs. is being operated by WWJ. (Laudansky-Mass.)

W45RG on 44500 kcs., our new FM station, will go into operation just as soon as WJBO's transmitter is fixed-up for the purpose. Both stations will use the same towers, there being six FM radiators at the top of the AM tower. W45RG will have a 1000 watt RCA Fm transmitter. (Stracener-La.)

W1XOJ has filed an application for a regular commercial license, and it is expected that the commission will authorize regular commercial operation under the call W43B. W1XOJ is presently on the air from 8 a.m. to midnight carrying programs of the Yankee, Colonial, Mutual, and N. B. C. Blue networks. No change in program policy is expected in the immediate future. (RX)

W1XK is operating experimentally at present and no definite schedule is being released by the station. (RX)

W1XSO is at present running the same schedule and programs as W1TIC, but this will cease when W53H, the new Travellers FM station, starts broadcasting early in May. Special studios will be used for W53H and an entirely new program schedule will be devised for the FM station. (RX)

## SHORTWAVES IN REVIEW

### Algeria

TPZ on 12120 kcs., "Radio Algiers", and TPZ-2 on 8860 kcs., have been reported often during the hours from 2-6 p.m. TPZ is the stronger of the two stations. A series of CW notes is used at sign off. Programs are in French and Arabic. (Hankins—Pa., Carriazo—Cuba, Kane—Pa., Bill & Bob Camp—Pa., Fellers—Mass., Caldwell—Mass.)

### Arabia

ZNR is a station at Aden being reported on 12120 kcs. from noon to 1 p.m. (Laudansky—Mass.)

### Argentina

LRA-1 on 9690 kcs. is being received with strong signals in the early evening hours, getting weaker around 8 p.m. (Bras—Me.)

LRA-2 on 6180 kcs. in Buenos

Aires is on the air daily from 6-9 p.m. relaying YRA and LRA-1. (Rev. Quinton—Nfld.)

LRA-5 on 17830 kcs. in Buenos Aires transmits Fridays from 4-4:30 p.m. (Rev. Quinton—Nfld.)

#### **Australia**

Schedule to North America:

Schedule of Transmissions: VLQ on 9615 kcs. at Sydney is on from 2-2:30 a.m. to the A. I. F. abroad, from 3:25-4:25 a.m. to New Caledonia and from 2-2:30 p.m. to the A. I. F. abroad.

VLQ-2 on 11870 kcs. at Sydney is on from 6:40-7:15 a.m. for North East Asia, from 8:10-9:45 a.m. to South East Asia, and from 1:10-1:45 p.m. to South Africa.

VLQ-5 on 9680 kcs. at Sydney is on from 7:20-8:05 a.m. to North America.

VLQ-7 on 11880 kcs. at Sydney is on from 12:55 a.m. to 1:45 p.m. to North America, from 10:25-11:10 a.m. to North America, 2-2:30 p.m. to A. I. F. abroad, 3:25-4:00 p.m. to British Isles, and 4:55-5:45 p.m. to North America.

VLQ-8 on 17800 kcs. at Sydney is on from 4:05-5:50 p.m. to Latin America.

VLW-2 at Perth on 9560 kcs. is on from 8:10-9:45 a.m. to S. E. Asia, and from 1:10-1:45 p.m. to South Africa. (RX via Squires—N. Y.)

All of the above stations are reported by the following Radexers this month with the early morning program from VLQ-5 being the easiest to log. (Duening—Md., Stevens—Ky., Wetherill—Pa., Gleason—Pa., Laudansky—Mass., Stracener—La., Worme—N. Y., Kane—Pa., Caldwell—Mass., Kosolapoff—Ohio, Carriazo—Cuba, Swanberg—Mass., Fellers—Mass.)

VLR on 9580 kcs. is heard with musical program from 7:30-8:15 a.m. (Fellers—Mass.)

#### **Azores**

CUM on 6995 kcs. at San Miguel heard phoning Lisbon around 5-7 p.m. CUG-2 on 11915 kcs. is sometimes used in place of CUM. Both use an interval signal with about 20 notes.

(Legge—N. Y.)

#### **Belgian Congo**

OPM's schedule as reported last month is still unchanged from 1:40-2:45 p.m. Reporters are (Whiton—Mass., Bill & Bob Camp—Pa., Fellers—Mass., Kane—Pa., Caldwell—Mass., Laudansky—Mass.)

Radio Congo Belge is also reported broadcasting on 9700 kcs. and from 7-8 a.m. on 14970 kcs. (Whiton—Mass., Kane—Pa.)

#### **Bolivia**

CP-1 on 9892 kcs. at Sucre was heard during the evening with very faint signal, (Stracener—La.)

#### **Brazil**

PRC-5 on 4865 kcs. at Belem heard evenings until sign off at 8 p.m. They sometimes operate until 9 p.m. (Legge—N. Y.)

#### **British Guiana**

VP3BG on 6130 kcs. was heard here on Friday evening announcing Saturday schedule as 6-6:30 a.m., 10:45-11:30 a.m., 2:15-2:45 p.m., and 3:40-7:16 p.m. (Swanberg—Mass.)

#### **Burma**

XYZ on 6007 kcs. is heard from 6:30 a.m. to 6:57 a.m. when CFCX turns off its carrier which spells doom to XYZ. After opening English announcement, program is native music and singing. (Wetherill and Kane—Pa.)

#### **Canada**

CBFW on 6160 kcs. at Vercheres, P. Q. made its air debut since last RADEX. The station is using 7500 watts and correspondence should be sent to 1231 St. Catherine St., West, Montreal, P. Q. CBFW relays the programs of CBF, which means that they are mostly in French. They operate from 6:30 a.m. to 11 p.m. (Worme—N. Y., Geer—Pa., Mayo—P. Q., Swanberg—Mass., Wetherill—Pa., Laudansky—Mass., Stevens—Ky.)

CFCX on 6005 kcs. is owned and operated by Canadian Marconi Company and broadcasts simultaneously the daily 17-hour schedule of CFCF from 8 a.m. to 11:15 p.m. (Langley—Me.)



CHNX on 6130 kcs. is on daily except Sat. and Sun. from 7 a.m. to 11:15 p.m., Sat. from 8 a.m. to 11 p.m. and Sun. from noon to 11:15 p.m. A mail bag program is heard from 5 p.m. on Sunday. (Bamberger—Ohio, Langley—Me.)

Sign on time for Canadian short-wave stations: CFRX at 6:30 a.m., CHNX at 6:45 a.m., CBFW at 6:30 a.m. and CFCX at 6:45 a.m. (Laudansky—Mass.)

#### China

XGOY on 11900 kcs. at Szechwan, China, heard from 6-6:30 p.m. and also reported with weak signals at 3:00 a.m. (Fellers—Mass., Stracener—La.)

#### Colombia

HJAE on 5050 kcs. at Cartagena is heard on this frequency instead of 4830 as listed. (Laudansky—Mass.)

HJCP on 9630 kcs. at Bogota was heard with a strong and clear signal with Latin American music. (Worme—N. Y.)

#### Costa Rica

TI-4NRH has shifted a little from 9692 kcs. to 9696 kcs. to avoid interference from GRX and TGWA. TI-4NRH is being heard better than ever before. (Kane—Pa.)

TIGPH on 5830 kcs. is off the air at 10 p.m. at which time TIX on the same channel starts broadcasting and continues until mid-night or later. (Geer—Pa.)

TIRCC on 6185 kcs. at San Jose signs off at 11:40 p.m. (Laudansky—Mass.)

TIRH "Radio El Mundo" is heard evenings until sign off at 11:30 p.m. (Legge—N. Y.)

#### Cuba

COCD on 6132 kcs. "La Voz del Aire, S. A." is now deleted. (Laudansky—Mass.)

COCY and COCQ are the stations in question for Mike Bras, Biddeford, Me., who identified the Spanish call as sounding like CMAC-Gregga and CMAQ, the way both broadcast band relays of these stations would announce their calls! (RL.)

#### Dominican Republic

HI-1N is being heard early mornings coming on the air between 6:30-7 a.m. (Bob — Bill Camp—Pa., Kane—Pa., Stracener—La.)

HI-1? on 6180 kcs., an experimental station was heard from 4:15-5 p.m. when they signed off. This is definitely not HI-1A (Laudansky—Mass.)

HI-3U on 6017 kcs. heard evenings. Announcements are preceded by two bells. (Bamberger—Ohio.)

#### Ecuador

HC2AK on 9380 kcs., is heard with program of popular music from 10:15-11 p.m. on Saturdays. Solgan: "Todas Plata de Populares". (Laudansky—Mass.)

HCJB on 12450 kcs. at Quito continues to be the most popular short-wave station with RADEX reporters. No less than sixteen different readers reported hearing this station last month!

#### Egypt

SUX on 7865 kcs. at Cairo was heard around 7 p.m. broadcasting a news commentary to the BBC, which relayed it to New York. SUX is often picked direct by the networks in New York. (Kane—Pa., Worme—N. Y.)

#### Finland

OFD on 9500 kcs. and OIE on 15190 kcs. heard with weak signals carrying news in English at 1:15 p.m. (Swanberg—Mass.)

#### France

"Y", as all Paris stations are now called, was reported on 9520 kcs. at various hours in the afternoon and early evening with good signals.

"Y", on 15240 kcs. was also reported at 6:15 a.m. and from noon-2 p.m. (Kane—Pa., Worme—N. Y., Stevens—Ky.) A ticking sound identifies these stations.

#### French Equatorial Africa

"Radio Brazzaville" on 11970 kcs. is still being frequently reported from 2:30-4 p.m. and is also being heard at night from 10-11 p.m. (Twenty Radex readers included reports on this station). An ironical note in the veri from this station which is upholding England and Free France, is that it

was enclosed in an envelope marked "Made In Germany". (McMahon—N. Y.)

#### French Indo China

"Radio Saigon" on 6190 kcs. and 11790 kcs. is being reported from about 6:30-7:30 a.m. (Kane—Pa., Fellers—Mass., Carriazo—Cuba, Stracener—La., Wetherill—Pa.)

#### French Morocco

"Radio Maroc" at Rabat on 11940 kcs. was heard signing off at 3 p.m. (Laudansky—Mass.)

#### French West Africa

"Radio Dakar" on 9390 kcs. has news in English on Tuesdays and Fridays at 4 p.m. This is a station sympathetic to the Vichy government in France. (Caldwell—Mass., Worme—N. Y.)

#### Germany

Official German program schedule: DJB on 15200 kcs. is heard from 6-8:45 a.m., 11:30-11:45 a.m., 12:30-12:45 p.m.

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

DZD on 10540 kcs. from 4:30-4:45 p.m., 8-11 p.m.

DXP on 6030 kcs. from 4:50-7:30, and 8-11 p.m. and 11:05 p.m. to 1 a.m.

DJD on 11770 kcs. from 4:50-7:30, and 8-11 p.m. (RX.)

These and the following German stations reported at various hours by RADEX readers: DXT (15230 kcs.), DXM on (7270 kcs), at 9 p.m., DXD (10543 kcs.) at 8 p.m., DZE on (12100 kcs) at 3:45 p.m., DJW (9650 kcs.) evenings, DXM (7270 kcs.) at 4:30 p.m. (Worme—N. Y., Laudansky—Mass., Caldwell—Mass., Stracener—La., Kane—Pa., Renfro—Tenn., Wetherill—Pa., Hankins—Pa.)

#### Gold Coast

ZOY on 4920 kcs. in Accra, the capital of the Gold Coast broadcasts locally and to Nigeria and other parts of Africa. Information relayed to Norman Kane (Pa.) from Allan Drake in Nigeria.

#### Great Britain

Complete list of British calls: GSA—6050; GSB—9510; GSC—9580; GSD—11750; GSE—11860; GSF—15140; GSG—17790; GSH—21470; GSI—

## FOR THE ALL-WAVE CHAMPION

# HALLICRAFTERS



Through the courtesy of Mr. Royal Higgins and Mr. W. J. Halligan, The Hallicrafters, Inc., of Chicago, Ill., have donated a HALLICRAFTERS SKY-RIDER DEFIANT RECEIVER, Model SX-24, to be given to the person who will be declared the All Wave Champion.

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

15260; GSJ—21530; GSK—26100; GSL—6110; GSN—11820; GSO—15180; GSP—15310; GSQ—25750; GSR—26300; GSS—26550; GST—21550; GSU—7260; GSV—17810; GSW—7230; GRZ—21640; GRY—9600; GRX—9690 kcs. (Kane—Pa.) The above stations, many of them, have been heard and reported by the following readers: (Hankins—Pa., Boonin—Pa., Laudansky—Mass., Stracener—La., Swamberg—Mass., and Renfro—Tenn.)

BBC Home Service station on 7035 kcs. heard with English news at 1 a.m. (Laudansky—Mass., Gross—Mo.)



BBC Home Service station on 7100 kcs. is also heard at 1 a.m. (Caldwell—Mass.)

BBC Home Service on 7135 kcs. is on evenings until 10:15 p.m. No call is known. (Carriazo—Cuba.)

BBC Home Service on 6145 kcs. has a program of requested musical selections from U. S. listeners at 10:15 p.m. daily. (Laudansky—Mass.)

#### **Greece**

SVM on 9935 kcs. in Athens is another country for shortwave fans to log. The station is at present broadcasting from 2:40-3 p.m. and from 6-7 p.m., the last program intended for this country. Slogan is "This Is Athens Calling". The afternoon program begins and ends with the Greek Anthem and "God Save The King", while the evening program starts and finishes the same way with the addition of "The Star Spangled Banner". Station uses 10 kw. and signal is very strong. (Laudansky — Mass., Stevens — Ky., Kane—Pa., Swanberg—Mass., Fellers—Mass., Porter—D. C., Worme—N. Y., Mike Gras—Me., Woollacott, N. Y.)

#### **Guadeloupe**

FG8AH on 7446 kcs. is still heard on 6:30 p.m. nightly and still has a very attractive card. Mail is censored by British. (Arnold—Ohio; Laudansky—Mass., Bob — Bill Camp—Pa., Worme—N. Y., Fellers—Mass., Woollacott—N. Y., Carriazo—Cuba.)

#### **Guatemala**

TGWC on 2480 kcs. now according to their latest verification card. (Bob & Bill Camp—Pa.)

#### **Haiti**

HH2S on 5985 kcs. broadcasts a program in English Wednesdays from 9:30-10:30 p.m. They sign off about 5 minutes later. (Kane—Pa., Bamberger—Ohio, Langley—Me., Arnold—Ohio.)

#### **India**

VUB-2 on 7240 kcs. in Bombay, VUD-2 on 7290 kcs. and VUM-2 on 7270 kcs. are heard in parallel every evening from 9-9:50 p.m., at which time they faded out. (Carriazo—Cuba.)

VUD-2 on 9590 kcs. is being heard at 7 a.m. with news in English at 7:30

a.m. Along with VUD-2 these stations also have the same program VUD-4 on 11830 kcs., VUC-3 on 4840 kcs. (Renfro—Tenn., Stevens—Ky., Stracener—La., Swanberg—Mass., Boonin—Pa.)

VUD-3 on 9590 kcs. is heard at 7:30 a.m. with news in English. (Bob & Bill Camp—Pa.)

VUD-4 on 11870 kcs. in a verification stated that they are now using the frequency formerly assigned to VUH-2. (Rev. Quinton—Nfld.)

#### **Italy**

IRW on 19650 kcs. at Rome was heard at 10:15 a.m. with a South American transmission. (Laudansky—Mass.)

"Radio Italia" on 11920 kcs. is a new station apparently of anti-Facist belief is broadcasting in Italian from 2-2:50 p.m. and 4-4:30 p.m. and 6-6:28 p.m. They end with "A Basco A Hitler!" (Fellers—Mass.)

I2RO-6 on 15300 kcs. has an experimental transmission for the U.S.A. from noon to 1:15 p.m. (Duening—Md., Laudansky—Mass.)

I2RO-18 on 9675 kcs. is experimentally broadcasting from 8-10:30 for North America.

I2RO-19 on 7310 kcs. is operating in parallel with I2RO-18. (Duening—Md., Laudansky—Mass., Kane—Pa., Worme—N. Y.)

#### **Ireland**

"Radio Eirean" on 15120 kcs. heard from 12:30-1 p.m. with records and news. (Caldwell—Mass.)

"Radio Eirean" on 17840 kcs. heard at 3:15 p.m. with speech by Prime Minister De Valera. (Swanberg—Mass.)

#### **Jamaica**

ZQI on 4700 kcs. at Kingston is being heard from 5:30-6:30 p.m. with recorded program. Announce as "This is Jamaica, station Zed Q I". Comments and reports are welcome. (Laudansky—Mass., Ralph Kastner—Tex., Gleason—Pa., Caldwell—Mass., Gross—Mo., Woollacott—N. Y.)

#### **Japan**

JVW-2 on 11725 kcs., was heard with an English transmission at 8:15

p.m. with JLG-4 and JZG. (Laudansky—Mass.)

JZI on 9535 kcs. is now also broadcasting from 7:30-8:30 a.m. (Fellers—Mass., Kastner—Tex.) JZI on 9535 kcs. is also broadcasting from 12-1 a.m. (Stevens—Ky.)

#### Java

PLP on 14630 kcs. was heard well from 7-9 a.m. with programs of native music. (Legge—N. Y.)

#### Lebanon

"Radio Levant" at Beirut on 8030 kcs. heard from 12-12:20 a.m. regularly with news in French. (Legge—N. Y.)

#### Madeira

CUQ-2 at Funchal heard phoning Lisbon irregularly at 5-6 p.m. (Legge—N. Y.)

#### Manchoukuo

MTCY on 6123 kcs. was heard from 7:30-5:50 a.m. with Oriental music and fair signals. (Kane—Ca.)

#### Mexico

XEFA on 9560 kcs. heard at 11:30 p.m. with popular American songs. (Renfro—Tenn.)

XEUW on 6020 kcs. at Vera Cruz, Mexico operates daily from 7 a.m. to 1 a.m. and is heard best from 11 p.m. to 1 a.m. They use 250 watts. (Stephenson—Okla., Stracener—La., Geer, Pa.)

XEWW on 9500 kcs. is on the air from 7:45 a.m. to 12:30 a.m. (Worme—N. Y., Renfro—Tenn.)

XEXA on 6180 kcs. is heard nightly. Frequently joins with Bogota on network programs. (Worme—N. Y.)

#### Newfoundland

VOFB operates on 12300 kcs., 8825 kcs., and 6690 kcs., and contacts the following transmitters at Drummondville—CJN-5 on 12110 kcs., CJN-4 on 9805 kcs., and CJN-2 on 6910 kcs. VOFB is owned by the Avalon Telephone Co., St. Johns. (Wilmot—P. Q.)

VONG on 9475 kcs. is heard from 4:15-6:15 p.m. (Geer—Pa., Swanberg—Mass., Quinton—Nfld.)

VONH on 5970 kcs. is heard signing off at 1:20 p.m. (Swanberg—Mass., Fellers—Mass.)

#### Nicaragua

YN2FT on 7490 kcs. at Granada heard broadcasting from 8-10 p.m. (Legge—N. Y.)

YNOW on 6850 kcs. at Managua announce as "La Voz del America Central" and offer to verify. Sign off is at 10:10 p.m. or earlier (Laudansky—Mass., Stephenson—Okla.)

YNPR on 8580 kcs. is on from 7:45 p.m. to 10:30 p.m. (Kastner—Tex., Bras—Me.)

#### Panama

HP5A on 11700 kcs. has English news at 6:30 p.m. and often have programs directed to an English speaking audience. (Arnold—Ohio, Langley—Me., Worme—N. Y., Laudansky, —Mass., Stracener—La.)

HP5K on 6000 kcs. at Colon is heard every Sunday with a program in English from 9:30-11 p.m. (Arnold—Ohio.)

#### Peru

OAX6A on 6050 kcs. "Radio Arequipa" at Arequipa is heard best between 9:45-10:30 p.m. (Legge—N. Y.)

OAX6D on 9450 kcs. "Radio Continental" at Arequipa is heard evenings. (Legge—N. Y.)

#### Philippine Islands

KZRH on 9635 kcs. heard at 9 a.m. with a fairly good signal. (Kastner—Tex.)

KZRM on 9570 kcs. at Manila was heard at 3 a.m. with weak signals. (Stracener—La.)

#### Portugal

CS2WD on 6200 kcs. heard from 3-6 p.m. Veri card gives frequency at 6156 kcs. QRA is Radio Renascenoa, Emissora Catolica Portuguesa, Rua Capelo 5, Lisbon. (Leggs—N. Y.)

#### Straits Settlements

ZHP-3 on 7250 kcs. at Singapore is heard from 6:30-8 a.m. (Legge—N. Y.)



### Sweden

SBP on 11705 kcs. and SBT on 15155 kcs. are heard around 3 p.m. with sign off at 4:30 p.m. and in the evenings from 8-9 p.m. (Bamberger—Ohio, Fellers — Mass., Swanberg — Mass., Kane—Pa.)

### Switzerland

"Radio Suisse" at Geneva on 11965 kcs. was heard at 3 p.m. with an R9 signal. (Laudansky—Mass.)

Praguins transmitter can be identified by a seven-note piano chord tune played over and over preceding sign on. (Kane—Pa.)

New station on 6165 kcs. heard carrying news in French, German, and Italian from 4:4:30 p.m. (Worme—N. Y.)

HBJ on 14535 kcs. at Geneva heard talking to New York on Sunday afternoon at 2:50 p.m. (Swanberg—Mass.) HBJ verified on all frequencies and calls. (Address "Radio Suisse" 12 Quai de al Poste, Geneva. (Bob & Bill Camp—Pa.)

HBL on 9345 kcs. is heard with excellent signals from 8:45-10:15 p.m. on Monday and Wednesday. (Fellers—Mass., Caldwell—Mass.)

### Tahiti

FO8AA on 7100 kcs. is evidently a pro-De Gualle station. It was heard here from 7:10-8:00 a.m. with a weak signal. Quality was poor. (Kane—Pa.)

### Turkey

TAP on 9465 kcs. carries news in English at 2:15 p.m. and popular dance records at 4 p.m. Ankara programs are now broadcast to NBC and CBS on Sundays, Thursday, and Mondays. Signal on these programs is 100% better than on daytime programs. Identification for TAP is 10 notes played on an Oriental reed instrument. (Kane—Pa., Worme—N. Y., Fellers—Mass.)

### Union of South Africa

ZRD stated that they operate from 12:45 a.m. to 2:43 a.m. on 6147½ kcs. and on 4874 kcs. Address is South

African Broadcasting Corp., P. O. Box 1588, or Broadcast House, 120 Alival St., Durban. (Speidel—Pa.)

ZRK on 6100 kcs. heard at 3:30-4 p.m. with R8 signal (Felelrs—Mass.)

ZRL on 9610 kcs. is heard from 11:45 p.m. with setting-up exercises. Signal is fair. (Fellers—Mass., Stevens—Ky., Bob & Bill Camp—Pa.)

ZRO on 9775 kcs. heard at 2:40 p.m. with weak signals and news in English at 3:50 p.m. A record program followed. (Bob & Bill Camp—Pa.)

### Uruguay

CXA-2 on 9570 kcs. was heard at 11:19 p.m. with popular American tunes. Spanish announcements were heard exclusively. (Renfro—Tenn.)

### U. S. A.

WBOS on 11870 kcs. heard clearly at 4 p.m. on the former WPIT frequency. In the evening the transmission is directed to South America on 9570 kcs., the former location of WBOS. (Worme—N. Y.)

WGEO on 11910 kcs. has been heard here with weak signals. How come? (Laudansky—Mass.)

WNBI on 17780 kcs. heard with very weak signals on this channel. (Laudansky—Mass.)

### U. S. S. R.

RKI on 7520 kcs. is the only audible frequency on the multitude used on the 7-8 p.m. broadcast. (Kane—Pa., Laudansky—Mass.)

RNE on 12000 kcs. was heard at 12:50 a.m. (Stevens—Ky.)

RV-96 on 15180 kcs. heard early mornings around 7:30 a.m. and from 12:40-1 p.m. (Kane—Pa., Wetherill—Pa.)

Siberians, believed to be at Khabarovsk, heard in parallel on 9565 kcs., 6115 kcs., and 4273 kcs. from 4:30-6 p.m. and 6:30-7:30 a.m. Setting up exercises are heard on all three at 4:35 p.m. (Legge—N. Y.)

### Vatican City

HVJ on 6190 kcs. was heard on a Sunday morning at 8:30 p.m. with a



talk in English on Education and the State. (Worme—N. Y.)

**Venezuela**

YVA on 5220 kcs., broadcasts from 6:15-6:30 p. m. relaying other YV stations. YVO on 5460 kcs. at Maracaibo is also on the chain some nights. (Legge—N. Y.)

YV3RX on 3410 kcs. "Radio America" at Barquisimeto is heard R9 plus in the early evening. (Laudansky—Mass.)

YV5RM on 5010 kcs. in Caracas heard for about an hour and a half before sign off at 10:30 p.m. with strong signal. (Bras—Me.)

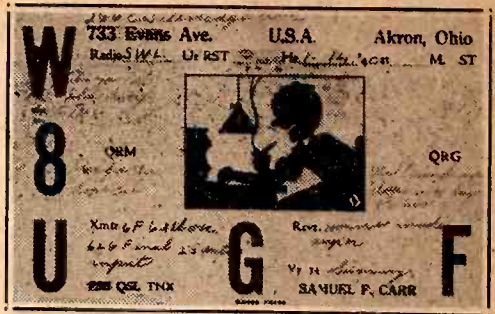
**Yugoslavia**

YUG on 15240 kcs. was heard with R9 signal in the daytime at noon. YUF is the call used for South American transmissions, YUG for North America. (Wetherill—Pa.)

"Radio Beograd" on 9448 kcs. at Belgrade were heard from 12-12:45 a.m. (Stevens—Ky.)

**Radex Reporters**

- RL: Your Shortwave Editor, Worcester, Mass.
- RX: Official news.
- R7, Pa. 1: Art Hankins, Latrobe, Pa.
- R15, Ill. 1: D. S. Barnes, Chicago, Ill.
- R89, N. D. 1, O. Ingmar, Oleson, Ambrose, N. Dak.
- R101: Weston Richards, Zion, Ill.
- R431: Samuel A. Meyer, Laredo, Texas.
- R451: Chet Romanowicz, Monterey, Cal.
- R572: Roger Mais, Mishawaka, Ind.
- R615: Edward Shirley, Jamestown, N. Y.
- R636: Norman Maguire, Stamford, Conn.
- R770: Donald R. Yacom, Upland, Indiana.
- R786: Bob Skyten, E. Brookfield, Mass.
- R814: Merlin Steen, Decorah, Iowa.
- R833: John W. Dean, Toronto, Ontario, Can.
- R881: Clarence Lee Mustoe, Brady, Montana.
- R1010: Norman Whiton, Greenwood, Mass.
- R1049: S. R. Morss, Haverhill, Mass.
- R1140: Chas. S. Werdig, Washington, D. C.
- R1151: Bob Brown, Goshen, Ind.
- R1319: Alton L. Caldwell Jr., Brockton, Mass.
- R1320: Frank Gravely, Martinsville, Va.
- R1342: Hank Bennett, Collingswood, N. J.
- R1360: Joseph Rachuba, Pittsburgh, Pa.
- R1470: Jack Stephenson, Oklahoma City, Oklahoma.
- R1541: Lincoln A. Mayo, Montreal, So. Quebec, Canada.
- R1557: Chas. O. Peach, St. Louis, Mo.
- R1566: Rav Woollacott, Rochester, N. Y.
- R1691: Hal Robie, Springfield, Mass.
- R1700: W. H. Porter, Washington, D. C.
- R1728: Edmond Osoške, Detroit, Mich.
- R1740: Connie Sideris, Oswego, N. Y.
- R1741: Harold A. Whittier, Mansfield, Mass.
- R1757: Wm. McMahon, Glen Cove, N. Y.
- R1773: Fred Benkeley Jr., China Spring, Tex.
- R1797: Phil Gridley, Holyoke, Mass.
- R1806: N. B. Boonin, Upper Darby, Penn.
- R1807: Robert McConnell, Middletown Ohio.
- R1816: Alhert Koppe, Des Moines, Iowa.
- R1835: Frank Baudreau, Salem, Mass.



*Samuel F. Carr of Akron, Ohio shoots along a photo of his QSL card. It is well worth adding to anyone's collection.*

- R1839: Elmer Rogers, Cleveland, Ohio.
- R1841: Elwin L. Gleason, Moosic, Pa.
- R1843: L. N. Stracener, Jr., Baton Rouge, La.
- R1850: Bill Camp, Moosic, Pa.
- R1894: Bob Camp, Moosic, Pa.
- R1897: Al Renfro Jr., Johnson City, Tenn.
- R1907: Manuel J. Smith, New Orleans, La.
- R1911: Norman H. Kane Jr., Wynnewood, Penn.
- R1923: Wm. R. Knotts, Penns Grove, N. J.
- R1925: Ted Bamberger, Shaker Heights, O.
- R1931: Bernard Langley, Auburn, Maine.
- R1934: C. F. Speidel, Phila., Penn.
- R1936: Aaron J. Doan, Meadville, Pa.
- R1978: Bernard F. Armond, Akron, Ohio.
- R2001: Eugene Francis, Bronx, N. Y.
- R2003: Arnold E. Worms, Brooklyn, N. Y.
- R2006: Buddy Giles, Wichita Falls, Texas.
- R2009: Jose Carlazo Jr., Havana, Cuba.
- R2014: E. H. Greer, Brackenridge, Penn.
- R2020: Gerald Swamberg, Brockton, Mass.
- R2044: Dick Knoth.
- R2053: Anton Duemig, Annapolis, Md.
- R2063: Ed Laudansky, Dorchester, Mass.
- R2064: Julius Hart, Jackson, Mich.
- R2082: Geo. F. White, Stockton, Mass.
- R2095: Bill Van Meter, Muncie, Ind.
- R2099: Jim Slavies, Toronto, Canada.
- R2102: Edward Sluter, Albany, N. Y.
- R2110: Mont Vaughn, Pittsburgh, Pa.
- R2143: Canal Zone 5: Glen Elliott, Fort Amador, Canal Zone.
- R2161: R. H. Livingstone, Lansdowne, Penn.
- R2194: Stephen Hoffman, Norwich, Conn.
- R2195: Harold Shuart, New Bedford, Mass.
- Kenneth Austni, Waterville, Maine.
- G. L. Banta, Downers Grove, Ill.
- Milton Benson, So. Hadley Falls, Mass.
- Robert Botzum, Reading, Penn.
- Mike Bras, Biddeford, Maine.
- Eric Bristow, Chicago, Ill.
- Hitner Chambers, Narragansett, R. I.
- John Coleman, Delafield, Wis.
- Warren Dame, Saxonville, Mass.
- Harold & Eleanor Dunn, N. Brookfield, Mass.
- Francis Fellers, Amherst, Mass.
- Mel Fisher, Berkeley, Cal.
- Arthur Foerstern, Indianapolis, Ind.
- Carl Forestier, Bronx, N. Y.
- Vernon Lee Gibbs, Lexington, Ky.
- Rob Gilchrist, New York, N. Y.
- Eugene Gross, Webster Groves, Mo.
- Francis Hone, Rochester, N. Y.
- Alen G. Hooker.
- Malcolm Horlic, Youngstown, Ohio.
- Robert Kappleon, Newark, N. J.
- John Kalmbach Jr., Buffalo, N. Y.
- Ralph Kastner, New Braunfels, Texas.



G. M. Kosolapoff, Dayton, Ohio.  
 A. R. Lacey, Palmerston Nth, New Zealand.  
 Frank Lee, Wildwood, N. J.  
 Roger Legge, Binghamton, N. Y.  
 Earl Lever, Fort Bragg, N. C.  
 Joe Lippincott, E. Vassalboro, Maine.  
 Wm. F. Maag Jr., Youngstown, Ohio.  
 Hyman Mandel, E. Montreal, Canada.  
 L. A. Mayo, Montreal, P. Q., Canada.  
 M. W. Oliver, Houston, Texas.  
 Cortland Parent, Jr., Peekskill, N. Y.  
 E. S. Peach, Inverness, N. S.  
 Bob Peterson, Deerfield, Ill.  
 Al Pickering, West Medway, Mass.  
 Rev. J. L. Quinton, Greenspond, Nfld.  
 Fred Rosecrans, Newburg, N. Y.  
 Joe F. Serson, Washington, D. C.  
 A. G. Schlieter, Rochester, Penna.  
 Walter Scholz, 2nd, Webster Groves, Mo.  
 Charles Squires, New York, N. Y.  
 Jack Snyder, South Bend, Ind.  
 Chester Stedman, Westerly, R. I.  
 Art Stevens, Shepherdsville, Ky.  
 L. M. Stracener, Jr., Baton Rouge, La.  
 John S. Taggart, Bath, N. Y.  
 Theodore Taylor, Fort Wayne, Ind.  
 David F. Thomas, Proctorville, Ohio.  
 Gordon E. Walberg, Winnipeg, Man.  
 W. Waldman, Asheville, N. C.  
 George Wetherill, Jr., Upper Darby, Penna.  
 Kenneth F. Imlot, Yamachiche, P. Q.  
 Carl Zimmerer, Dover, N. J.

**U. S. A.**

WLWO in Cincinnati, Ohio granted full time use of 9590 kcs. by the FCC. granted WLWO two additional frequencies 11710 kcs., and 175250 kcs., the latter channel has been relinquished by WRUL. WLWO will be deleted on 11870 kcs., though. (RX)

WLWO is being heard on two of their new frequencies in the afternoon. The frequencies 9590 kcs. and 11710 kcs. (Woolacott—N. Y., Skyten—Mass., Laudansky—Mass., and Kempton—Mass.)

WLWO on 17800 kcs. is now using this frequency irregularly from 11 a.m. to 5 p.m. They are on 15270 kcs. from 8-11 a.m. and again at 5 p.m. (Webb, Texas.)

WNBI on 11890 kcs. broadcasts from 9:15 p.m. on this frequency. (Webb, Texas.)

WPIT on 11870 kcs. has been asking for reports on. (Laudansky, Mass., Taylor, Ky.)

WSLA on 15250 kcs., 15130 kcs., and 6040 kcs. with a new power of 50 kw. has replaced WRUW's schedule for the present. (Woollacott, N. Y.)

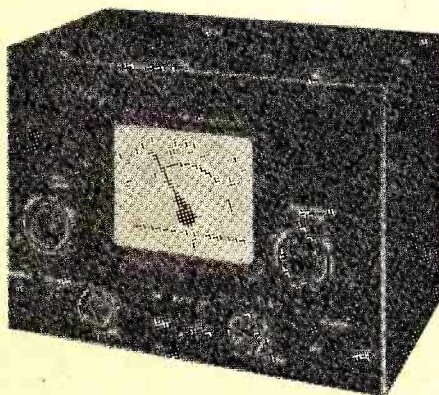
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# Ham Hounding

By OWEN CALLIN

A QSL from one of the Antarctic stations will be a rarity, indeed, for the SWL, and only those fortunates who are acquainted with one of the operators and can prevail upon him to furnish a QSL when he returns will be able to boast.

Which statement, as you probably have guessed by now, Radexers, means that Admiral Byrd has been unsuccessful in his efforts to get the QSLs. In a recent communication the Admiral said that while he appreciated our services and was extremely anxious to accede to our request, it just couldn't be.

"I must point out," Byrd wrote, "that the United States Antarctic Service is a government undertaking and, as such, its activities are confined to those specifically set forth in the language of the appropriation act through which Congress made available the money to carry on the project.

"As the expedition will be demobilized immediately upon its return to the United States, neither the time nor the facilities for checking the radio logs and issuing QSL cards will be available, and, therefore, much as I would personally like to see your proposal approved by the executive committee of the United States Antarctic Service, I regret to advise you that conditions render it impracticable of accomplishment."

We'd like to thank the Admiral for his kindness in attempting to get the QSL's, even if did turn out to be an impossibility.

Our contest is booming right along with Mert Meade of Kansas City jumping into the lead with the amazing total of 27,495 points. Come on, you old-timers, dig around and see if you can locate more of those QSLs,

or get busy with the earphones and pen. Remember, only two more months are left since the contest ends June 30. The first prize is credit towards the purchase of foreign stamps from the Return Postage Bureau, Rutherford, N. J., donated by the manager, Walter Koester, plus a writeup in Ham Hounding. The second place winner also gets a writeup.

Here are the standings at the end of March:

Mert Meade	.....27,495 pts.
Cliff Tavener	.....23,184 pts.
George Eder	.....18,090 pts.
Jack Wells	.....17,544 pts.
Eugene Allen	..... 3,200 pts.
Weston Richards	... 2,100 pts.
Mike Unger	..... 2,054 pts.
Ralph Kastner	..... 1,422 pts.
Alton Caldwell, Jr.	... 1,215 pts

The final results should be forwarded to me by July 30. That's the deadline. The results will be announced in the September-October issue and the winners publicized in the following issue of Radex.

Meanwhile, the contestants are going after that \$15 first prize in the amateur division of Radex's big contest. At the present time Roger Crabill is leading with 352 points on his first coupon, William Knotts is next with 292 on two coupons, Mike Unger has 228 on two coupons, and Mert Meade has 154 points on the same number.

Many of our Ham Hounders are going after the HALLICRAFTERS SKYRIDER DEFIANT radio in the

Send your reports for Ham Hounding direct to

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



All-Wave contest or the PHILCO PORTABLE STRAP-AROUND in the Broadcast Band melee—lots of luck to all of you!

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Brazil is the ninth country in the Americas and the 36th to become affiliated with the International Amateur Radio Union. With the election to membership of the Liga de Amadores Brasileiros de Radio Emissao. In Brazil there are about 1,000 amateurs, all of whom belong to the L. A. B. R. E. Numerous groups form weather-reporting nets and emergency communication reserves.

The official radio organ for these Brazilian hams is called "QTC," which, appropriately enough, means "I have a message for you."

---

Here are some official motions for your consideration, Radexers. Clarence Freeman (R1913) made the suggestion and it's a good one. He suggests that when sending in Calls Heard they be arranged alphabetically. If you can mail them in that way it will be a big help to the editor who arranges them. How about it?

Norman H. Kane, Jr., suggested that a list of 40-meter phone stations be started and so, in this issue, you will notice such a list. Think it's a good idea? Ed Laudansky also urges its acceptance.

Along comes Joe Ribinski (1933) with the suggestion that a Logged All States certificate be issued in addition to the WAC, WAS, VAS, etc. He needs just two more states for such a certificate on 20 meters.

---

We have a fine list of new reporters and reports this month from some of you who haven't written in for a long time. Edward Laudansky of Dorchester, Mass., by the way, is now officially a member, having been given the number Radex-2063.

From Norfolk, Va., comes the first report of Al N. Cole, Jr., and it's a fine one. Welcome to the round table, Al. Grab a seat and meet the rest of the boys.

Bob and Bill Camp, R1850 and R1894 respectively, sent in a fine report and told us all about their new club—the Short Wave Listeners Registry. The main objective is to compile lists of hams who verify SWL reports and those who don't.

Declaring that it is NOT a money-making proposition, they say that the dues are 15 cents for five years and each member is listed for that period as a 100 per cent SWL swapper. Incidentally, their lists sell for five cents apiece and are revised every two months.

Anyone interested may get in touch with either brother at 1042 Water St., Moosic, Pa. Already more than 100 have joined the club.

Gerald Swanberg (R2020) of Brockton, Mass., sent in his first report—also a good one. Massachusetts is very well represented, indeed. Keep up the good work, Gerald.

Ed Laudansky volunteers this information: getting very discouraged because his aerials are less than 30 feet from street car lines, he tried an experiment with his earphones. Instead of plugging them all the way in, he just touched the plug to the contact—lightly but enough to make it hold. He says with a very little experimentation the signal level can be raised above the noise level.

Edwin Gleason (R1841) tried lowering his aerial to about six feet high for some fun on ten meters. He began hearing the stations at 9:30 a.m. and was still tuning them in by droves at 4:30 p.m. Evidently he was connected to a good ground wave!!!!

---

We're interested in WUMS, a station known as "We're Unknown Mystery Station" and since 1931 as "World's Oldest Known Outlaw Station." Since 1937, the station card says, the equipment is used only for Ohio River flood broadcasting.

Anyhow, David Thomas of WUMS, Proctorville, Ohio, begs to report that he, too, verified the amateur WIIXL on 5437.5 kilocycles. Last issue we re-

ported that Bill Wells of Hamilton, Ont., was the only one who logged W1IXL on the army frequency, but evidently Dave is another one.

---

### QRA and QSL

Will NY4AC verify? asks Lee Johnson, 89 William St., Portland, Me.

The QRA of KB6GTX is desired by Roger Crabill, 1116 Staples St., N. E., Washington, D. C., who heard the station on 40-meter CW.

Glenn Thormann, 271 Park Ave., Westbury, N. Y., wants the QRAs of OA7A (see PERU in DX list), K7BUB and also NY4AC.

Phil Bates comes forth with this list of QSLers: CE3AG, CM2AR, CO2AM, 2BG, 2DR, 2JM, 2KP, 2LA, 2RR, 2UT, 2VK, 2YW, 8JK, 8MP, HH4AS, HP1A, K4DSE, 4EMG, 4FAB, 4FCG, 4FKC, 4GIG, 4GSG, 4KD, K5AP, K6PLZ, 6SYM, KE6-NYD, K7GTP, LU1CA, 1DA, 8AB, NY4AB, 4AD, OA4R, PY2IT, 2LN, 5AQ, 7AI, XE1GE, 2HD, 3BK, YV5ACG, KB4HBX and K6NYD.

A QRA that many have requested is that of CO6AX, furnished by Stan Sosnowski of Detroit: Baldomero Espino, Calle Colon 33, Santa Clara, Cuba.

---

### CW Section

A few stations heard on CW by Mert Meade: K6THG, 7.250; K6SAR, 14.335; K6GTP, 7.080; K6TAI, 7.222; K5AU, 14.310; K6CGK, 28.070; and K6TDZ, 28.324.

---

Now for the DX-less list of DX:

ALASKA: K7GTP send a fb QSL card, salmon-colored with dark brown print. The operator is John W. Fletcher, Aleutian Islands, Unalaska, Alaska. Transmitter is a 6LS oscillator, 807 buffer DB, 140 watts to T40s. The op QSLs for a report and five one-cent stamps. K7BUB and K7CBF were logged about 7:15 p.m., EST on 20 meters.

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CANAL ZONE: K5AP no longer uses K5AF's card to verify but has an attractive black card with red letters outlined in silver. K5AC has one of the best signals on 10 meters.

COLOMBIA: HK1AK heard on ten meters with a very clear signal. He was testing a new transmitter. HK3CY heard on 20 phone. HK3CE was logged on 14.30.

COSTA RICA: On 20 meters during the mornings TI2GG, 2RC and 6HP may be heard once in a while speaking English.

CUBA: CO2JJ verified after five months with a red, white and blue card. CO8MP is glad to get reports and verifies with a silver card with black wording. He requires an international reply coupon. CO2LY, 7CX and 7VP heard in a four-way with OA7A speaking English. 7CX is the manager of a sugar plantation in Florida, Cuba. CO2DR QSLed with a black and white card and a photo of himself and his rig. CO2GL will NOT QSL, says Phil Bates.

GUANTANAMO BAY: NY4AC gets around, putting an R9 signal into Bradford, Mass., says S. R. Morss. NY4AC is one of the five NY calls in Guantanamo. The others are 4AA, 4AB, 4AD and 4AE. 4AD QSLs with a white card outlined with American flags and can be heard nearly every morning. 4AB QSLs.

HAWAII: K6SYM is on 20 phone and QSLs with a picture post card, call letters printed upon it in black.

MEXICO: The card of XE1AC, says Ed Laudansky, is so Tsk! Tsk!

PERU: Here is the dope on the mysterious OA7A. He is an American on an expedition on one of the tributaries of the Amazon River. Overheard in a QSO was the suggestion to send QSL cards to him via the American Consulate in Lima, Peru.



**PUERTO RICO:** K4DSE OSLs promptly for postage. K4GTH is coming to the States in a month or so and expects to be stationed somewhere in the Pacific northwest, probably near Seattle or Portland. He may be heard on 20 or 75-meter phone. His card is a photographic one and shows a picture of the Ocean Walk apartment in Santurce and the layout of the rig which runs 1000 watts. K4FOV is NY4AC in Guantanamo.

**SWAN ISLAND:** There seems to be a KD4HHS on 20 phone on the island. Imagine this could be the op who replaced. KD4GYM.

**VIRGIN ISLANDS:** K B 4 H B X was heard to say that he didn't answer many SWLs—only once in a while when he felt like writing. Also he usually verifies by writing across the SWL's card "Confirmed." His signals must literally climb over a high mountain in any direction except south, but he gets into the United States nicely. He is on 10 meters and has only one frequency. A beam antenna has recently been installed and affords a better signal. Phil Bates lists his frequency as 28.724 and reports a card from the op. Phil suggests sending three one-cent stamps, since his cards cost him two cents. Best time to log: noon. There are two ops: Dave and Harpo. The QRA: U. S. Marine Corps, St. Thomas, Virgin Islands.

**CHATTER:** Orchids to Norman Kane, Al Cole, Bob and Bill Camp for fine reports. . . . George Wetherill, Jr., has an aerial 165 ft. long, beamed north-south and spends most of his time on the broadcast band. . . . Phil Bates: all your dope used this time and thanx. . . . Gerald Swanberg gets good results with his SX25 Super-Defiant. . . . Glenn Thormann is very satisfied with his S-20-R brought by Santa Claus. . . . Joe Gannon (R2169) is now in the 1000-veri class. . . . Ralph Kastner also sports a new S-20-R Sky Champion and all stations he lists in this issue were heard on it. . . . These HALLI-

**CRAFTERS**—my Challenger is on its third year and still pulling them in!!! . . . . Ralph has heard a total of 4437 amateur stations—871 of them foreign. . . . Roger Crabill uses a S19 Sky Buddy. . . . Three cheers—Thomas Moss of Hapeville, Ga., has become a ham and has his operator's license although not his station license as yet; he is going to use a 20-watt portable and will certainly verify ALL SWL reports; nice going, Tom. . . . Glenn Thormann would like SWL cards from anyone in North Dakota, Arkansas and New Mexico (see QRA and QSL for his QRA). . . . Mert Meade says the ARRL ten-meter contest was a fizzle around Kansas City as the band was 99.9 per cent dead. . . . Stan Sosnowski: thanks for your fb card, Stan, and you'll have one of mine when they're ready. . . . Stan uses a ten-tube Grunow with a 45-ft. "L" antenna. . . . Alton Caldwell now has a Sky Champion.

That's the works, Radexers and thanks for the increasing number of fine reprots.

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**W8RGL**

XMITTER, P.P. TSS; FINAL WATTS. PCVR, HOWARD. EST. RADIO. Ur sig wtd hr at EST. MC

**W8TPN**

XMITTER, MEISSNER SIGNAL SHIFTER. PCVR, HOWARD. EST. ROBERT D. SCHENCK 317 S. Walnut St. BUCYRUS, OHIO, U.S.A.



## The W Section

### RADEX SALUTES THE UNITED STATES HAMS

A telephone engineer, university amateur radio club, motion picture projectionist, dentist and owner of a coin-operated amusement machines company are included this month in the list of favored amateurs selected for our amateur hall of fame—the W Section.

W1KJ is Charles McAuley of Lynn, Mass., an old-timer in the amateur radio game. He started in 1912, when the boys had to build their own equipment. For the past eight years Mac has been operating on 20-meter fone, but W1KJ is no stranger on the old 200-meter band, 80, 40 and five.

He is running 360 watts to a pair of 276A WE tubes and uses the same tubes in the Class B system. The speech is built in a 101 WE rack and sits by itself in one corner of the shack. Double doors on a double rack six and a half feet high built into the shack make it easy to inspect the "innards" of W1KJ. Antenna is a half-wave 20 meter doublet.

Mac has worked about every country and gets a kick out of still receiving SWL cards from England. He says most of the reports are R9. In all his years on the air, Mac believes he has not missed answering a single card and firmly believes in QSLing—amateurs and SWLs alike.

A telephone engineer with the Bell system in Boston, Mac's other hobby is parking by a big lake in Maine with good fishing gear.

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W1KJ



Charles McAuley

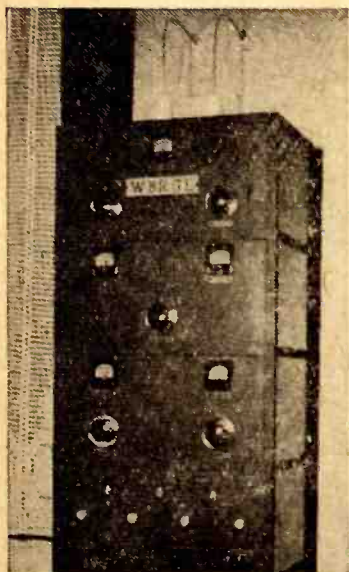


**W4DFU**—From Stephen O. Sashoff, an associate professor in the electrical engineering department of the University of Florida's college of engineering, comes the information on W4DFU, the station of the university's amateur radio club.

"I am sorry to say that at the present time the license of W4DFU has expired and a new license for the same station will not be requested from the FCC for a while," he writes. "The reason for this action is that at the present time the amateur radio club of the university is being reformed and we do not know yet exactly how it will be reorganized."

All the former operators of W4DFU are helping with the operation of the engineering experimental station, W4XAD, licensed for a wide list of experimental frequencies in connection with experimental work on direction finding and ionosphere sounding.

Under its former setup the chairman of the club was the trustee for the station, with the equipment owned by the electrical engineering department and the club's activities supervised by a member of the faculty. Although capable of 1,000 watts to the antenna, the final amplifier was seldom used. The equipment is housed in modern LeFebure racks and the receivers are RHO's.



**W8TPN**—When you say W8TPN you may as well add W8RGL since Robert D. Schenck, the operator, uses both stations. W8TPN is at Bucyrus, Ohio, and the other at Cardington, about 40 miles away. His card, shown above, is rather unusual since both calls are combined.

In October, 1937, Bob received his Class B license and went on 80-meter CW and 300 watts. There he worked WAS, F18B, G6WY and K4DTH. Then he went to 40 meters and WAC with the exception of Asia and about 20 countries. In February, 1939, he moved to 75-meter fone, where he has been since.

W8TPN is a Meisner Signal-Shifter driving a TZ40 in the final with 100 watts. W8RGL consists of a 6L1 crystal oscillator, parallel 10T's buffer and a pair of TW75's in the final, running about 400 watts.

Bob firmly believes in the art of QSLing and does so 100 per cent.

**W6FHQ**—Lester "Barney" Harris, the op of this San Bernardino, Calif., station, is a projectionist at the local Fox theater. He is 36, was born in Los Angeles and at present is studying radio engineering.

He has been an amateur since the end of World War I and his favorite bands are the 20 and 75-meter fones. He has WAC on the former band using a kilowatt and a home-made three-element beam. He has worked all three of the base stations in the Antarctic.

W6FHQ is an important link in traffic from army and navy personnel on the Pacific Islands and the Philippines to their families back home.

Since Barney has a couple of other hobbies—experiments and horse raising—his shack is loaded with test equipment, riders' manuals and technical electrical books. He holds a broadcast station operator's license and installed the first police radio transmitter and equipment in San Bernardino.





W6FHQ, "Barney" Harris of San Bernardino, Calif.

Barney likes to QSL to all amateurs and SWLs and although his work often prevents quick response, the cards eventually get on their way. His card is reproduced at the head of The W Section.

An X-EC unit is used for frequency control with a pair of RCA 806's in the final. Modulation is a pair of RCA 810's, Class B.

W7BVL—When you write to W7-BVL, you may put a "Dr." before the name of Howard L. Dull. The op of W7BVL is a dentist in busy Seattle. He is so busy that W7BNM, Louis Kapetan, Jr., took over the task of telling Radexers about him.

Dr. Dull not only keeps busy in his office, but outside activities fill up much of his spare time. At regular intervals he attends the children of the Junior Red Cross in Seattle and is vice president of the local community club. For recreation he plays tennis, golf, and skates. He also is a devotee to the sport of small-bore rifle shooting.

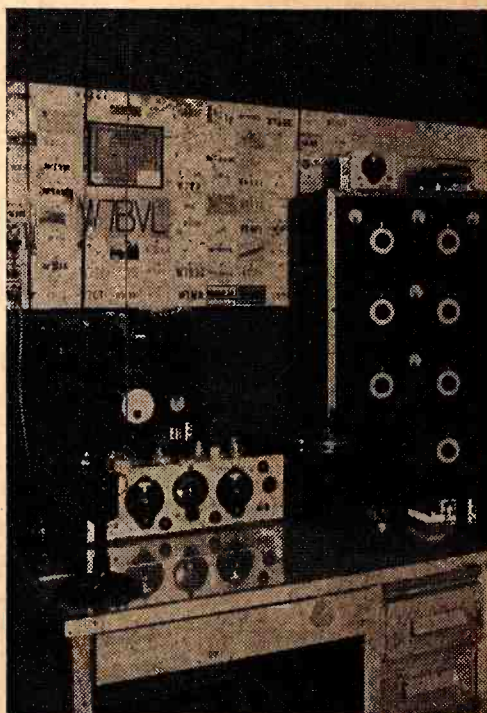
The photograph of the doctor's rig shows the excellent equipment maintained to operate W7BVL on 20-meter fone. Two HF-100's running with 200 watts are in the final. Receiver is a home-built nine-tube super het, and most of the other equipment is also homemade.

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Attention, SWLs! Dr. Dull agrees with W7BNM that the SWL card that earns a reply is the "meaty" card in which details of the transmission are included. If there is anything unusual about the transmission, make a note of it, give the condition of the signal truthfully. Above all, give the accurate date and time of transmission. These two agree that the average amateur, surprisingly enough, appreciates receiving cards and reading something about the parties who send them. Sending postage should be a prerequisite.

Dr. Dull is 27 years old and, XYLS, he is unmarried!

Other W news: 9QMW is Tom E. Hardy, an inspector in the United States Immigration Border Patrol, stationed at Grand Forks, N. D. Only QRM prevents him from being heard anywhere even on the 160-meter band where he is located. He packs a tremendous wallop.



W7BVL, Dr. Dull's station in Seattle, Wash. The nine-tube superhet receiver and the 200 watt transmitter, as well as most of the other equipment shown, is home made.



W6SAI sends one of the most beautiful QSL cards ever seen. . . . W1-EAL QSLs promptly as does W9-YXS. . . . W9MWR in Lexington, Ky., will verify all correct reports and has a nice QSL—he is on 75-fone. . . . W9BNP, also in Lexington, on 80 CW and 160-fone, verifies.

Two Scranton, Pa., amateurs—W8QFO and W8AFV verify for return postage. Both are on 160-meter fone. W8EGH at West Pittston runs 650 watts on the same band. W8DAI in Scranton made his entire 160-meter fone rig, even the mike.

W5KD will definitely NOT QSL. . . . When after veris from W5AOH and W5HUU don't send self-addressed envelopes because their cards are too large. Just send three one-cent stamps. . . . W6LYP has picture of his rig for his veri. . . . W6PJS verified for return postage. . . . W7EUZ and W7HDS are husband and wife and both QSL. . . . W9FFB heard often on 20-fone QSLs.

#### U. S. S. R.

A list of frequencies in use is released by Radio Center, Moscow, but no call letters are shown. Frequencies are: 7545 kcs., 9010 kcs., 9520 kcs., 9600 kcs., 11724 kcs., 11500 kcs., 11710 kcs., 11830 kcs., 11910 kcs., 12000 kcs., 14717 kcs., 150040 kcs., 15180 kcs., 15715 kcs., and 18540 kcs. (RX)

RV-15 on 4273 kcs. at Khabarovsk and an unidentified station on 9565 kcs. are heard in parallel with a new station RV-2 in Khavarovsk on 6115 kcs. from 6:30-7:30 a.m. Program opens with the playing of "Internationale." (Skyten—Mass.)

RV-96 on 9520 kcs. heard irregularly from 7-8 p.m. to North America with program in English. Also heard in the afternoon with a fair signal. (Skyten—Mass., Benkley—Texas)

RWG on 14720 kcs. is a new station at Moscow heard from 7:30-8 a.m. with program in Finnish. They are heard at 6:00 a.m. in parallel with 18540 kcs. broadcasting news in English. (Skyten—Mass.)

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

Commenting on recent demonstrations of colored television by a leading broadcaster, Mr. Du Mont points out that color is a natural television step ahead. The principles and various techniques have long been available to television workers. Many demonstrations of colored television have been made during the past decade, using mechanical means of filtering at the pickup and a color wheel at the receiver. However, Mr. Du Mont believes that mechanical means are too complicated, and his engineers have been working on a strictly electronic means for ultimate commercialization. A special screen will be used for automatically selecting and rendering the elementary colored images in proper sequence without color wheels or moving parts.

#### Venezuela

A letter from Senor Jesus M. Diaz, owner of YV2RN states that the station's frequency is now 4830 kcs. Sr. Diaz also operates YV2RB on 880 kcs. He would like to receive reports on this new frequency. Address is: Apartado-37, San Cristobal, Venelual. This letter lends still further assurance to my belief that all Venezuelans have changed their short-wave frequencies. (Lauansky, Mass.)

YV-PJ on 4975 kcs. at Coro is heard on Thursday at 7:30 p. m. with a program of all popular records. (Laudansky, Mass.)

YVYRO on 4780 kcs. at Trujillo has American recordings just before sign off at 10 p.m. (Jewell, Calif.)

YVIRZ on 4850 kcs. at Trujillo, known as "Radio Valera" can always be counted on for some beautiful Spanish music. (Laudansky, Mass.)

# The Hobby Called DXing

**An outline of the Art of Hearing, wherein the searcher for distant stations will find many facts which will aid him in the enjoyment of the full possibilities of his radio receiver.**

To be a DXer, all you need is a radio set, an aerial, and good ears. To enjoy DXing, nothing is necessary except the ability to enjoy a good radio program. If you have heard at least one radio station outside your own home town, you are a DXer, and if you aren't satisfied with that reception and want to hear more stations, farther away, you are a dyed-in-the-wool DX fan.

It doesn't matter very much what kind of a radio set you have, except for the natural provision that it should be in good working order and attached to a good aerial.

If your set happens to be a shortwave set, it probably tunes from about 5000 to about 30,000 Kilocycles. For complete shortwave coverage, it will include the 6000, 9500, 11,000, 15,000 and 18,000 kilocycle bands, most likely marked on your dial minus the cyphers: 6, 9.5, 11, 15, 18. These numbers are megacycles, or thousands of kilocycles.

If your set is a "two-band" set, it includes the standard broadcast band, and extends perhaps two or three thousand kilocycles into the shortwave spectrum. These receivers do not provide shortwave broadcasting entertainment, but do enable their owners to hear numerous police and airport stations.

If you have an "all-wave" receiver, you

have a complete shortwave receiver, plus a complete broadcast band receiver, all housed in one cabinet and operated by one set of dials.

If your receiver is strictly a broadcast band receiver, it tunes only from 540 to 1500 or 1600 kilocycles. The dial of your broadcast band receiver is also apt to lack the cyphers in the kilocycles markings, but 54, 6, 8, 11, 16, etc. should be considered as 540, 600, 800, 1100, 1600 etc.

On any of these types of sets, thrills galore await you. On the broadcast band, you can hear stations in any part of North America; during winter evenings some South American stations, even as far away as Buenos Aires in the Argentine, will be apt to come in, and, if you have good luck, you might also hear broadcasters from Europe, Asia or the Antipodes.

On the "two-band" receiver, you can also hear hundreds of North American police stations, airports, ships, and other emergency services,

If yours is a shortwave set, the entire world is at your finger tips. Stations on every continent will roll in, day after day, throughout the entire year.

## Shortwaves Easiest

Due to the design of the transmitting aeriels, and to the nature of radio waves



themselves, the shortwaves travel most easily over great distances. In fact, some shortwave stations are more easily heard at a distance than they are close-by, because the waves are projected skyward, skipping over many hundreds of miles before returning to earth.

There are high powered shortwave broadcasters in all the large European capitals, in the Union of South Africa, India, China, Japan, Australia, and many of the large South American cities. All these stations come in as loudly, as clearly, and almost as consistently as local broadcasting stations. Besides these high powered voices, there are hundreds of smaller stations, some of them in out-of-the-way localities, scattered around the world from Greenland to Antarctica, and from Tahiti to Tibet. These smaller stations are harder to get, and the reception of some of them truly merits a feather in anyone's hat.

There are some listeners who tune exclusively on the standard broadcast band, and hear almost as many different countries, over incredible distances, as one can hear via shortwaves. Reception of such stations, as well as reception of the hard-to-get shortwaves, requires infinite patience, and the most careful manipulation of the receiver dials.

What do we mean by "careful manipulation"? What can a person do, aside from merely twisting the dials? Here-with is explained the Art of Tuning.

### The Art of Tuning

Several years ago, in RADEX, one of

the country's foremost broadcast band DXers, Mr. Carleton Lord, wrote, "The average foreign catch is the result of careful planning, skillful tuning, and a measure of old-fashioned good luck."

In tuning the broadcast band, no doubt the best system to use is the one known as "spot tuning." The DXer makes out a list of five or six powerful stations which he wants to hear. Considering the season of the year and the time of day, he picks out broadcasters which are known to be on the air and which should be heard in his location.

He dials the frequency of the first station and listens. If a signal is heard, it may be the station he wants, or it may be some unwanted station. Nevertheless, he waits for an announcement. If there is nothing heard on the frequency, he waits anyway, on the chance that the desired station has momentarily faded out. He does not move on until he has waited for a reasonable length of time. Then he moves on to the second station he has chosen for the night's work, and so on down the list. Upon completing the list, he starts over, then over again, and again. This system of tuning, more than any other, will show the best returns for the time spent at the dials.

DXers may try some "fishing." Running up and down the broadcast band, he may stop at audible carriers and see what is there. This type of tuning, however, is bound to miss a large percentage of weak signals—particularly those which may have faded out for the moment—and should be used only when going after something out of the ordinary.



Should the combined process of "spot tuning" and "fishing" produce no results the first night, the listener should merely resolve to try again. Several nights, or even weeks, may pass before the first foreign station is heard.

Sometimes certain minor adjustments in a receiver will aid in clearing up announcements. If interference is high pitched, it is likely that turning the tone control to the bass position will eliminate some of the trouble. Slight de-tuning from exact resonance will cut out some low-pitched noise. Some turners go so far as to have a service man introduce some regenerative (feed-back) action into the set, but be careful here; it destroys the tone quality for ordinary listening.

Even the matter of turning the dial is important, especially on shortwaves. The dial should be turned slowly—so very slowly that its movement is not perceptible to the eye. Every little whiff of sound should be thoroughly investigated before moving on.

### When to Tune

#### The Broadcast Band

In general, listeners find reception of South American stations best during October, November, February and March, and most frequently heard are stations in Argentina and Brazil, with Colombia and Venezuela running a close second. DXers should start tuning for SA's at sundown, and reception should be at its peak during the next two hours.

The Antipodes (Australia and New Zealand) are best received during the

same month's as the SA's namely, October, November, February and March. On the west coast they are heard during the mid-winter months as well. New Zealand stations begin to come in near 4 am EST, and Australians a little later.



The Asiatics, particularly the Japanese, are heard best during December and January, in the early morning hours before sunrise, although DXers on the west coast find Japanese stations sometimes interfering with their regular local broadcasters.

European stations start to come through during November and continue to be heard through January. Along the eastern seaboard TA's start coming in near 4:30 pm and can be heard until



about 7 pm at the latest. The best time to log them, however, is during the early morning, after 1:30 am EST.

### **When to Tune The Shortwaves**

Shortwave transmission depends considerably upon conditions in the ionosphere, a layer of ionized particles far out in the earth's outer atmosphere. The sun, and particularly the presence or absence of spots on the face of the sun, are important factors in shortwave propagation characteristics. It has been found from experience, though, that the adoption of certain frequencies at certain times will aid in assuring dependable reception. For example, reception near six megacycles (6000 kilocycles) has been found to be best in the winter time when darkness covers the entire path of the transmission. Fifteen megacycles, on the other hand, being a comparatively high frequency, is exceptionally good in the summer and comparatively poor in the winter. The table which follows shows the best reception times for certain frequencies:

6000 kilocycles, best when station is at least 300 miles or more away, in the winter, when a large part or all of the path between transmitter and receiver is in darkness

9000 kilocycles, best when station is at least 800 miles away; spring and fall, morning and evening.

11000 kilocycles, best when transmitter a thousand miles away, during the daytime in the summer.

15000 kilocycles, a distance of 1500 miles from the transmitter is best, in the daytime

### **Besides Listening**

All DXers tune, and listen, and in addition to tuning and listening, they have many other activities. We believe that 99% of them collect QSL cards.

A QSL is a card, or a letter, or some sort of a communication from a radio station, confirming, or verifying, the fact that the listener heard the station. There are almost as many different kinds of QSL's as there are radio stations, some of them plain, some exceedingly beautiful, novel or interesting, but all of them valuable to the listener as proof of his reception. QSL's are easy to get, if the DXer follows several simple rules.

The first and foremost rule is that DXers should never request a verification from a station until the station has been positively identified.

When the listener is sure of the identity of the station to which he has listened, he should compile two kinds of information. First, sufficient information about the program heard to enable the station to recognize the material as material actually broadcast by them, and second, as much technical information as possible so the report will be of some value to the station's engineering department.



Program details require the listener to name all the musical numbers he can recognize, and, as nearly verbatim as possible, the announcements should be transcribed. The exact time at which each separate item is heard should be reported. It is usually helpful to mention names of advertisers when possible. When reporting to stations in the United States, the time should be given in Eastern Standard, or converted to the actual time used at the station. Eastern standard can be used when reporting to South Americans, but when writing to countries overseas it is best to convert to Greenwich Mean Time, or to the local time at the station. (The Radex Time Converter will be found to be particularly helpful). Regardless of what time is used in the report, the writer should be very careful to mention what standard time he is using.

In supplying the technical details listeners should mention data on weather conditions, and, truthfully, how well the station is heard, describing volume by the R Code, and quality by the QSA Code. It should also be mentioned whether there was slight fading, deep fading, or a complete fadeout; whether there was fluttering, interference from another station, or static. The QSA and R Codes follow:

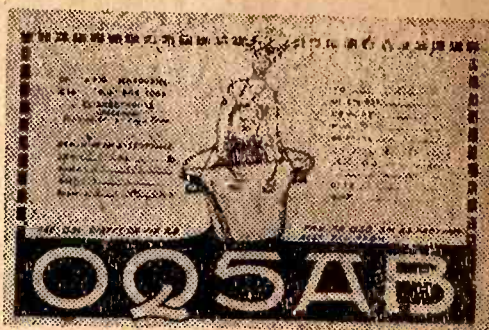
### The R Code

The R code describes the volume with which a signal is heard.

R1 is a signal that is barely perceptible.

R2 is a very weak signal.

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- R3 is a weak signal.
- R4 are signals of fair volume.
- R5 are fairly good signals.
- R6 are good signals.
- R7 are moderately strong signals.
- R8 are strong signals.
- R9 are extremely strong signals.

### The QSA Code

The QSA Code is used to describe the understandability of a station's signal.

QSA1 is a signal that is unreadable.

QSA2 is one that is barely perceptible. A word can be understood now and then.

QSA3 is understandable with difficulty.

QSA4 is a signal that can be understood with practically no difficulty.

QSA5 is perfectly understandable.

### Postage

The rates of postage to foreign countries are:

- 3c for each ounce or fraction thereof, to United States, all of North America, all of South America and Central America except the foreign possessions there. Spain is also 3c.
- 5c for each ounce and 3c for each additional ounce, for Europe, Asia, Africa, the Antipodes, and the European possessions in South and South Central America and the West Indies.

When writing to radio stations it is customary to enclose return postage when

requesting verifications. An unused 3c stamp can be sent to United States stations, but to all other countries, International Reply Coupons should be sent. These can be procured for 9c each from any post office. When buying Reply Coupons be sure that they are correctly post-marked in the circle on the left side of the coupon.

For the convenience of DXers, unused postage stamps of many foreign countries may be purchased from the Return Postage Bureau, 85 Francisco Ave., Rutherford, N. J.

### SWL Cards

QSL cards are sent to listeners by radio stations, and many radio listeners have adopted the practice of having similar cards printed for themselves, to be sent to stations with their reports, or to be exchanged among other listeners. These listener cards are called SWL cards.

Many of the SWL cards are as attractive and interesting as QSL's and their collection is an intriguing sideline of the hobby of DXing.

In an adjacent column are some QSL and SWL cards. At the top of the column is a QSL from an amateur station in the Belgian Congo. The second is a verification from a broadcasting station in Mexico. Third is shown an SWL card used by a member of the Radex Club. The bottom card is from an amateur in New Zealand. In another column is illustrated a QSL from a shortwave station in Manchukuo.

Listeners desiring to have SWL cards printed may obtain sample cards and further information from their fellow Radex Club member, Merton T. Meade, of the Bowman-Meade Printing Co., 819 Wyandotte St., Kansas City, Mo.

### Radio Language

In correspondence with radio stations, and with fellow DXers, it will be found that certain terms and expressions are frequently used. First we shall explain the technical radio terms, then the radio "slanguage" used by hams and listeners.

Radio waves travel with the speed of light, which is 186,000 miles per second, or 299,820,000 meters per second. By the "frequency" of a station we mean the number of pulsations which that station produces within one second. The speed of radio is so great, however, that "cycles" are produced by the millions and it is more convenient for us to use terms which are multiples of a cycle. These terms are the "kilocycle," which is equal to 1000 cycles, and the "megacycle," which is equal to 1,000,000 cycles, or 1000 kilocycles. A frequency of 1,000,000 cycles can therefore be expressed as 1000 kilocycles or 1 megacycle.

The correct abbreviation for the kilocycle is kc/s. which really means "kilocycles per second." A unit called the Hertz is sometimes used (usually in Europe) which includes the time element: a kilohertz (abbreviated kHz) is a kilocycle per second.

The abbreviation for megacycles is megs. When megacycles are shown, they can be converted into kilocycles by

changing the decimal point to a comma.  
Ex: 5.900 megs. — 5,900 kcs.

The wavelength of a station is the length, in meters of each cycle. The use of the term "wavelength" and its measurement, "meters," is nearly obsolete, especially in this country, and is avoided in RADEX.

The amount of power that a station uses is expressed in watts, and 1000 watts is a kilowatt.

Radio "slanguage" can be divided into two parts, the abbreviations, and the slang. The abbreviations most often encountered by listeners are:

QRA, the address of a station

QSL, a verification

QSO, a communication between two stations

QTH, the location of a station. (QRA is the mailing address: QTH, the geographical location in latitude and longitude).

QRH, a station's frequency. ,

QRM, interference from another station

QRN, atmospheric static.

QRT, cease, or quit.

QSA, see the QSA Code explained above.

QSB, fading

RST, often on QSL cards is not an abbreviation but a contraction of the three terms R Code QSA Code, and Tone Code.



Most of the expressions and abbreviations used by radio fans are self explanatory, but just to make the record complete we shall explain as many as we think our readers will encounter.

RCVR is a receiver; XMTR, trans-

mitter; CW, code; Mod, modulation; TNX, thanks; OM, old man; YL, young lady; XYL, a wife; OP, operator; SW, shortwaves; BCB, broadcast band; SWL, shortwave listener; BCL, broadcast listener.

The number 73 means "best regards."

## SWL TRADING POST

*(Continued from page 20)*

H. V. Gribble, Traffic Box 42, Minneapolis, Minn. (SWL cards).

James R. L. Fitzgerald, Jr., 5324 Bloomingdale Ave., Richmond, Va. (Wishes reception reports on Richmond and Petersburg, Va. stations).

Jack Welsh, W9MZW, Kingston, Ill. (SWL Cards).

Glenn Thormann, 271 Park Ave., Westbury, N. Y. (SWL cards and correspondence).

Frank J. Kosik, 1816 Allport St., Chicago, Ill. (SWL Cards).

John B. Blass, 102 N. Jefferson St., Batavia, Ill. (Swap large stamp collection for a used communications receiver).

Wm. Akens, 1029 Spring Brook Ave., Moosic, Pa. (SWL Cards).

Frederick Kummer, 2348 W. 48th St., Cleveland, Ohio (Correspond with BCB DXers).

Fred R. Borchardt, 5103 N. Sherman Bvd., Milwaukee, Wis. (Correspond with DXers interested in hams).

W. H. Herman, 622½ E. 99th St., Cleveland, Ohio (SWL Cards).

Rudolph C. Zak, 2509 E. 89th St., Cleveland, Ohio (Trade radio parts, your choice, for auto radiator name plates and stamps of United States and Czechoslovakia).

Richard Galen, 4 Manhattan Ave., New York City (SWL Cards).

Betty Galen, 4 Manhattan Ave., New York City (SWL Cards).

E. S. Herndon, Paris, Texas (SWL Cards).

Francis Brooke, Reesville, Ohio (Will swap SWL cards, and will trade old National Geographics for old Radio Guides).

Forest L. Webb, 140 W. San Luis, Salinas, Calif. (Correspond with DXers interested in Pacific Coast, Cuban and TP stations-BCB Band).

Eldon Shipman, 261 Vine St., Fulton, Mo., (Correspond).

Steven Paul Veres, 7 Orchard St., Garfield, N. J. (SWL cards).

Don C. Johns, 1342 Campbell Ave., Des Plaines, Ill (SWL cards).

Joseph J. Becker, 415 So. 11th St., Hamilton, Ohio (SWL cards).

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

Vincent Stasen, 5347 Priscilla St., Philadelphia, Pa. (SWL cards).

Mae McKenzie, 823 Shelby St., Indianapolis, Ind. (SWL cards).

Don Reynolds, 9 So. Miller St., Newburgh, N. Y. (Correspond with BCB DXers).

Oscar Williams, Shady Ave., Clarion, Pa. (SWL cards).

Joe Ribinski, 57 Oak St., Yonkers, N. Y. (Correspond with owners of Sky Buddy).

Bob Murphy, 5630 S. E. Yamhill, Portland, Ore. (SWL cards).

Vernon Lee Gibbs, Route 5, Lexington, Ky. (SWL cards).

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

YV5RO on 3500 kcs. at La Guaira was heard at 8:45 p.m. (Laudansky, Mass.)

## *Television Stations*

.V2XAB	42,000- 56,000	Columbia Broadcasting System, Inc.
W2XCB	336,000-348,000	New York, N. Y.
	60,000- 86,000	Columbia Broadcasting System, Inc.
W2XVT	42,000- 56,000	Portable-Mobile, New York, N. Y.
		Allen B. Du Mont Laboratories, Inc.
		Passaic, N. J.
W9XAL	42,000- 56,000	First National Television, Inc.
	60,000- 86,000	Kansas City, Mo.
W1XA	60,000- 86,000	General Electric Company
		Bridgeport, Conn. (C. P.)
W2XB	60,000- 86,000	General Electric Company
		Albany, N. Y.
W2XH	288,000-294,000	General Electric Company
		Schenectady, N. Y.
W1XG	42,000- 56,000	General Television Corporation
	42,000- 56,000	Boston, Mass.
W2XBS	42,000- 56,000	Don Lee Broadcasting System
	60,000- 86,000	Los Angeles, Calif.
	44,000- 50,000	C. P.—Hollywood, Calif.
W6XAO	42,000- 56,000	Don Lee Broadcasting System
		Area of Los Angeles, Calif.
W2XBS	42,000- 56,000	National Broadcasting Co., Inc.
		New York, N. Y.
W2XBT	92,000 and	National Broadcasting Co., Inc. Port-
	156,000-162,000	abel (Camden, N. J. and New York,
		N. Y.)
W2XBU	312,000-324,000	National Broadcasting Co., Inc.
	282,000-294,000	Portable-Mobile, New York, N. Y.
		(C. P.)
W2XE	42,000- 56,000	Philco Radio & Television Corpora-
	60,000- 86,000	tion Philadelphia, Pa.
W3XP	204,000-210,000	Philco Radio & Television Corpora-
		tion Philadelphia, Pa.
W9XG	2,000- 2,100	Purdue University
		West Lafayette, Ind.
W2XDR	42,000- 56,000	Radio Pictures,, Inc.
	60,000- 86,000	Long Island City, N. Y.
W3XAD	321,000-327,000	RCA Manufacturing Company, Inc.
		Portable (Camden, N. J.)
W3XEP	42,000- 56,000	RCA Manufacturing Company, Inc.
	60,000- 86,000	Camden, N. J.
W9XK	2,000- 2,100	State University of Iowa
		Iowa City, Iowa
W9XUI	42,000- 56,000	State University of Iowa
	60,000- 86,000	Iowa City, Iowa
W9XZV	42,000- 56,000	Zeith Radio Corporation
	60,000- 86,000	Chicago, Ill.



# The World's Radio Stations

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

5000	TFL WWV	C G	.... ....	Reykjavik, Iceland Beltsville, Md. Standard frequency transmissions. National Bureau of Standards, Washington, D. C.
	YV5RK	B	....	Caracas, Venezuela
5010	YV5RM	B	....	Caracas, Venezuela
5020	YV4RO	B	....	Puerto Cabello, Venezuela
5025	XFA	T	1500	Hamilton, Bermuda
5032½	KAIK	FA	50	Sitka, Alaska. Marine Airways
	KAIY	FA	50	Chichagof, T. A. Same as KAIK.
	KANH	FA	50	Juneau, T. A. Same as KAIK.
5033	WDI	T	20000	Ocean Gate, N. J. Am. Telephone & Teleg. Co.
5040	YV5RN	B	....	Caracas, Venezuela
5042½	KAZV	FA	100	Fairbanks, T. A. Harold Gillam
	KBOF	FA	50	Rainy Pass District, T. A. Star Lines, Inc., Rhon River Emergency Field
	KFRA	FA	100	Flat, T. A. Star Air Lines, Inc.
	KFRD	FA	100	Candle, T. A. Same as KFRA.
5077	WCN	T	80000	Lawrenceville, N. J.
5110	VJI	....	....	Cloncurry, Osld., Australia. Australian Airways Medical Service
5122½	KRBD	FA	400	Red Bluff, Calif. Aeronautical Radio, Inc.
5130	HRE	C	400	Tegucigalpa, Honduras. Tropical Radio Tele- graph Co.
5135	KGHX	ZP	....	Santa Ana, Calif., Orange County
	HGHZ	ZP	100	Little Rock, Ark. City of L. R.
	HGPI	ZP	500	Beaumont, Tex. (Days only). City of B.
	KHPF	ZP	500	Jefferson City, Mo. State of Mo.
	KNFE	ZP	500	Duluth, Minn. City of D.
	KOHM	ZP	....	Portable, days only. State of Ore., Police & Highway Depts.
	WPGO	ZP	....	Columbus, Ohio. State of Ohio
	WPHN	ZP	500	Tampa, Fla. (Days only). City of T.
3157½	KADY	T	40	Petersville, Alaska. (Days only). W. H. Cuddy.
	KAIK	T	18	Holy Cross, T. A. Catholic Society of Alaska
	KAKR	T	25	Candle, T. A. Candle Community Radio Assn.
	KATP	T	....	Kako Landing, T. A. Joel S. Ramstad
	KBNM	T	25	Platinum, T. A. (Days only). Alaska Traders.
5138	KALY	C	25	Egavik, Alaska. (Only between pm and 6 am, PST). R. B. Julian.
	KAMX	C	40	Utopia Creek, T. A. (Days only). L. McGee
	KANR	T	20	Kalskag, T. A. (Days only). Fred H. Whitcher
	KASI	ZP	....	Allakaket, T. A. (Days only). Sam Dubin
	KGHX	ZP	....	Lawton, Okla. City of L.
	KGHX	ZP	100	Santa Ana, Calif. Orange County
	KHPF	ZP	500	Little Rock, Ark. City of L. R.
	KHPG	ZP	200	Jecerson City, Mo. State of Mo.
	KGPI	ZP	500	Kirkwood, Mo. (Days only). State of Mo. Highway Patrol
	KNFE	ZP	500	Beaumont, Tex. (Days only). City of B.
	KOHM	ZP	....	Duluth, Minn. (Days only). City of D. Portable, days only. State of Ore. Police & Highway Depts.
	KOBX	ZP	50	Highway Depts.
	WPGG	ZP	300	Portable. State of Wash.
	WPGO	ZP	....	Findlay, Ohio. State of Ohio.
	WPHC	ZP	300	Columbus, Ohio. Same as WPGG.
	WPHK	ZP	300	Massillon, Ohio. Same as WPGG.
	WPHN	ZP	500	Wilmington, Ohio. Same as WPGG.
	WPHT	ZP	300	Tampa, Fla. (Only only). City of T.
	WOPI	P	250	Cambridge, Ohio. Same as WPGG.
	WQPZ	ZP	19	French Village, Ill. of State of Ill. Portable. State of Ill. Dept. of Public Works and Bldg., Div. of Highways's Bureau of State Highway Maintenance Police.
5145	HRU	C	400	Puerto Castilla, Honudras. Tela Railroad Co.
	HRX	C	400	La Lima, Honduras. Same as HRU.
5146	PMY	B	1000	Bandoeng, Java, N. E. I.
5167½	KIBZ	T	....	Waterfall, Alaska. Nakat Packing Corp.
	KIOJ	T	5	Stuyahok Landing, T. A. W. R. E. Moore.
	KLA	T	....	

5172½	KFCA	FA	1000	Waterfall, T. A. Same as KIBZ.
	KRGG	FA	400	Denver, Colo. Aeronautical Radio Inc.
	KTCW	FA	1000	Garden City, Kans. Same as KFCA.
5195	KGHP	ZP	....	Wichita, Kans. Same as KFCA.
	KGHX	ZP	....	Lawton, Okla. City of L.
	KGHZ	ZP	100	Santa Ana, Calif. Orange County
	KGPJ	ZP	500	LittleRock, Ark. (Days only). City of L. R.
	KHPF	ZP	500	Beaumont, Tex. (Days only). City of B.
	KHPG	ZP	200	Jefferson City, Mo. (Days only). State of Mo.
	KNFE	ZP	500	Highway Patrol
	KOHM	ZP	....	Duluth, Minn. City of D.
				Portable, days only. State of Ore., Police & Highways Depts.
	KQBX	ZP	50	Portable. State of Wash.
	WPGG	ZP	300	Findlay, Ohio. State of WPGG.
	WFGQ	ZP	....	Columbus, Ohio. Same as WPGG.
	WPHC	ZP	300	Massillon, Ohio. Same as WPGG.
	WPHK	ZP	300	Wilmington, Ohio. Same as WPGG.
	WPHN	ZP	500	Tampa, Fla. (Days only). City of T.
	WPHT	ZP	300	Cambridge, Ohio. Same as WPGG.
	WQPJ	ZP	250	French Village, Ill. State of Ill.
5200	YAH	C	....	Kabul, Afghanistan
5207½	KAEW	T	....	Umnak, Alaska. Territory of Alaska
	KAGN	T	50	Portable. Alaska Aeronautics and Communications Commission
				Portable. Same as KAGN.
	KAGO	T	10	Atka, T. A. Same as KAEW.
	KAJJ	T	....	Attu, T. A. Same as KAEW.
	KAJU	T	....	Unalaska, T. A. Same as KAEW.
	KAQF	T	....	St. Michael, T. A. (Days only). Northern Commercial Co.
	KAXP	T	10	Ophir, Esperanto, T. A. Three Miners, Inc.
	KBML	T	84	Platinum, T. A. (Days only). Alaska Traders.
	KBNM	T	25	Portable. Same as KAGN.
	KEXO	T	50	Portable. Same as KAGN.
	KEXP	T	50	Portable. Same as KAGN.
5287½	WSEK	G	....	Shennandoah Nat'l. Park, Va. Nat'l Park Service, U. S. Dept. of Interior.
5300	VK8SI	....	....	Wyndham, Australia. Australian Airways Medical Service.
	ZIK3	B	....	Belize, British Honduras
5310	KAFF	FA	50	Sioux Falls, S. Dak. Aeronautical Radio
	KAZV	FA	100	Fairbanks, Alaska. Harold Gillam
	KHCFI	A	30	NC-552-N. Peck & Rice Airways, Bethel, T. A.
	KHCIS	A	30	NC-10795. Star Air Lines.
	KHCRW	A	30	NC-18445 Raymond I. Peterson, Bethel, T. A.
	KNCN	FA	300	Sheridan Wyo. Same as KAFF.
	WARG	FA	45	Augusta, Ga. Same as KAFF.
5330	HRC2	C	400	Tela, Honduras. Tela R. R. Co.
5342	HRZ	C	500	Guanaja, Honduras. Gobierno de Honduras
5350	HRJ	C	100	Utila, Honduras, Gobierno de Hond.
5360	VK8UB	....	....	Halgoorlie, W. A., Aust. Australian Airways Medical Service.
5377½	WAZM	FA	40	Madison Wis. Aeronautical Radio, Inc.
5390	CY30	FA	....	Charlie Lake, B. C. United Air Transport, Ltd.
5410	VKSUS	....	....	Alice Springs, S.A., Aust. Australian Airways Medical Service.
				Tegucigalpa, Honduras. Rosario Mining Co.
5420	HRI2	C	500	La Ceiba, Honduras. Gobierno de Hond.
5440	HRV	C	100	San Pedro Sula, Honduras. Gobierno de Hond.
5450	HRP	C	500	Aklavik, N.W.T. Dept. of Nat'l Defense, Dominion Gov't.
5452½	VEF	G	....	Aklavik, N.W.T. Same as above.
6470	VOA3	....	....	Jesselton, Brit. North Borneo
5480	XTL	....	....	Hankow, China
5485	HDR	FA	14	Toncontin, Honduras. Pan American Airways
5510	PWH	....	....	Abrolhos, Brazil
5520	KHCIY	A	100	NC-18997, American Export Airlines
	WBF	CT	....	Hingham, Mass. Tropical Radio Teleg. Co.
5565	WBF	MR	....	Hingham, Mass. Tropical Radio Teleg. Co.
5572½	KAZV	FA	100	Fairbanks, Alaska. Harold Gillam
	KHCKB	A	30	NC-16159. James M. Dodson, Fairbanks, T. A.
	KHCRW	A	30	NC-18445. Raymond Peterson, Bethel, T. A.
	KRBD	FA	400	Red Bluff, Calif. Aeronautical Radio, Inc.
5582½	KNCN	FA	300	Sheridan, Wyo. Aeronautical Radio, Inc.
	KRBD	FA	400	Red Bluff, Calif. Same as KNCN.
	KRCG	FA	400	Garden City, Kans. Same as KNCN.
	KACW	FA	1000	Wichita, Kans. Same as KNCN.
5590	PWH	....	....	Abrolhos, Brazil
5592½	KRBD	FA	400	Red Bluff, Calif. Aeronautical Radio
5602½	KHCNY	A	29	NC-21107. All American Aviation, Inc., Wilmington, Del.
	KHCQR	A	50	NC-21750. Canadian-Colonial Airways, Inc.



	KHCQS	A	50	NC-21750. Same as KHCQR.
	WSJI	FA	50	Elkins, W. Va. Aeronautical Radio, Inc.
5612½	KHCNY	A	20	NC-21107. All American Aviation, Inc., Wilmington, Del.
	WSDJ	FA	50	Elkins, W. Va. Aeronautical Radio, Inc.
5615	HRIKC	FA	100	LaCeiba, Honduras. T.A.C.A.
	HR2KC	FA	100	San Pedro Sula, Honduras, T.A.C.A.
	HR3KC	FA	100	Toncontin, Honduras, T.A.C.A.
5620	HRI3	C	500	Rey del Oro, Juticapla, Honduras. Yoy. Mc-Cartney.
	HRI4	C	500	Agua Fria, Honduras. Cia. Mineral de Aguas Fria.
5622½	KANG	FA	50	Juneau, Alaska. Alaska Air Transport, Inc.
	KANU	FA	50	Kimshan Cove, T.A. Same as KANG.
	KAXT	FA	30	Sitka, T.A. Same as KANG.
	KAYP	FA	50	Ketchikan, T. A. Same as KANG.
	KAZV	FA	100	Fairbanks, T.A. Harold Gillam.
	KBOF	FA	50	Rainy Pass District, T.A. Star Air Lines, Inc., Rhon River Emergency Field.
	KFRA	FA	100	Flat, T.A. Star Air Lines, Inc.
	KFRD	FA	100	Candle, T.A. Same as KFRA.
	KFWC	FA	30	Lizienki Inlet, T.A. Same as KANG.
	KBJW	FA	30	Petersburg, T.A. Same as KANG.
5630	CY4A	FA	....	Bousquet, P. Q. General Airways, Ltd.
5632½	KHCNY	A	20	NC-21107. All American Aviation, Inc., Wilmington, Del.
	KHCQR	A	50	NC-21750. Canadian-Colonial Airways, Inc.
	KHCQS	A	50	NC-21750. Same as KHCQR.
	WSDJ	FA	50	Elkins, W. V. Aeronautical Radio
5642½	CYG	FA	....	Granbrook, B. C. TransCanada Air Lines.
	VFBJ	FA	....	Coleman, B. C. Dept. of Transport.
5660	HRR	C	200	Santa Rosa de Copan, Honduras. Gobierno de Hond.
5652½	KAXO	FA	30	Taku Lodge, Alaska. Alaska Aeronautical and Communications Commission
	KAZV	FA	100	Fairbanks, T.A. Harold Gillam
	KBJW	FA	30	Petersburg, T.A. Alaska Air Transport, Inc.
	KBLC	FA	50	Corpus Christi, Tex. Aeronautical Radio.
	KBOF	FA	50	Rainy Pas District, T.A. Star Air Lines, Rhon River Emergency Field.
	KBRN	FA	3000	Brownsville, Tex. Same as KBLC.
	KFRG	FA	30	Valdez, T.A. Lyle Airways.
	KHCFI	A	30	NC-552-N. Peck & Rice Airways, Bethel, T.A.
	KHCIS	A	30	NC-10795. Star Air Lines, Inc.
	KHCNY	A	20	NC-21107. All American Aviation, Wilmington, Del.
	KHCQR	A	50	NC-21750, Canadian-Colonial Airways, Inc.
	KHCQS	A	50	
	KHCRW	A	30	NC-18445. Raymond Peterson, Bethel, T.A.
	WAHY	FA	1000	Memphis, Tenn. Same as KBLC.
	WAHZ	FA	50	Birmingham, Ala. Same as KBLC.
	WARS	FA	50	Muscle Shoals, Ala. Same as KBLC.
	WATE	FA	200	Pensacola, Fla. Same as KBLC.
	WATF	FA	200	Tallahassee, Fla. Same as KBLC.
	WEEL	FA	50	Beaumont, Tex. Same as KBLC.
	WGSA	FA	50	Greenville, S. S. Same as KBLC.
	WPAE	FA	50	Philadelphia, Pa. Same as KBLC.
	WSJM	FA	400	Tampa, Fla. Same as KBLC.
5660	HRI	C	100	San Juancito, Honduras. Rosario Mining Co.
5662½	KAZV	FA	100	Fairbanks, Alaska. Harold Gillam
	KBOF	FA	50	Rainy Pass District, T.A. Star Air Lines, Rhon River Emergency Field.

	KFRA	FA	100	Flat, T.A. Star Air Lines, Inc.
	KFRD	FA	100	Candle, T.A. Same as KFRA.
	KRBD	FA	400	Red Bluff, Calif. Aeronautical Radio, Inc.
5670	VOB2	....	....	Sandakan, Brit. North Borneo
5672.4	VQAC	FA	....	Grand Falls, Newfoundland. Nfld. Airport, Squadron Leader H. A. L. Pattison.
5672½	WAES	FA	....	Syracuse, N. Y., Aeronautical Radio, Inc.
	WAEV	FA	....	Knoxville, Tenn. Same as KAES.
	WARO	FA	1000	Dayton, Ohio. Same as WAES.
	WSDC	FA	....	Newark, N. J. Same as WAES.
	WSDD	FA	....	Boston, Mass. Same as WAES.
	WSDH	FA	....	Nashville, Tenn. Same as WAES.
	WSDI	FA	....	Cincinnati, Ohio. Same as WAES.
	WSDM	FA	....	Albany, N. Y. Same as WAES.
	WSDO	FA	....	Buffalo, N. Y. Same as WAES.
	WSDP	FA	....	Port Columbus, Ohio. Same as WAES.
	WSDQ	FA	....	Bera, Ohio. Same as WAES.
5692	HRD	FA	14	Toncontin, Honduras. Pan American Airways
5692	HRD	FA	100	Seattle, Wash. Pan American Airways, Inc.
	KBKD	FA	100	Portable. Aeronautical Radio, Inc.
	KHAGH	A	50	NC-14947. Lt. Col. G. R. Hutchinson, Balti more, Md.
	KIOA	FA	20	Tanana, Alaska. Pacific Alaska Airways, Inc.
	VEPZ	FA	....	Burwash Landing, Y.T. Dominion Gov't.
	WPAF	FA	....	Baltimore, Md. Same as KANP.
5700	CPP2	C	....	Viacha, Bolivia
5705	CFU	T	....	Annable, B. C. Consolidated Mining & Smelting Co. of Canada, Ltd.
	CZ5Y	T	....	Anyox, B. C. Same as CFU.
	CZ7H	T	....	Cedar Creek, B. C. Same as CFU.
5707½	WAJE	FA	300	Birmingham, Ala. (300 to 600 watts; days only). Aeronautical Radio, Inc.
	WARG	FA	45	Augusta, Ga. Same as WAJE.
	WEEA	FA	....	Atlanta, Ga. Same as WAJE.
	WEEC	FA	....	Charleston, S. C. Same as WAJE.
5713	TGS	B	200	Guatemala City, Guat.
5730	JVV	T	10000	Nazaki, Japan. Kokusai Denwa Kaisha, Osaka Bldg., Tokyo.
5735	HC1PM	B	....	Quito, Ecuador
5737½	CPQ3	C	....	LaPaz, Bolivia
5750	CP2ANB	C	....	Quechisla, Bolivia
	HRU2	C	400	Puerto Castilla, Honduras Tela R. R. Co.

### Explanation of the Third Column Symbols:

All the Mobile and Portable-Mobile police stations installed in police automobiles bear the same call letters as the Fixed police broadcast station to which they report, and in many cases they work on the same frequency. We list herewith the Fixed station, and in parentheses we show the number, and the power of the Portable and Portable-Mobile units attached to the station, as for example: WRHD MP 250 (2 units-12 w). Louisville, Ky.

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

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



# 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.

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Second Column Symbols</b></p> <p>A—Status in doubt.<br/>         B—National "Blue" Network.<br/>         C—Columbia Network.<br/>         D—Daytime only.<br/>         E—Minor Network.<br/>         F—Canadian Network.<br/>         G—Specified Hours.<br/>         K—Licensed for facsimile.<br/>         L—Limited time.<br/>         M—Mutual Network.<br/>         N—National "Red" and "Blue" Networks.<br/>         O—RHC-Canada Azul (Cuban Network)<br/>         P—Has Construction Permit only.</p> | <p>Q—Station not in use.<br/>         R—National "Red" Network.<br/>         S—Synchronized.<br/>         Sx—Indicates a "Booster" (or amplifier, or satellite) station working with a larger station. The main station is indicated by S.<br/>         X—Has Permit to change power.<br/>         Y—Has Permit to change location.<br/>         Z—Has Permit to change frequency.<br/>         a-b-c—Small letters show stations using same transmitter.</p> | <p>1-2-3—Figures denote stations sharing time.<br/>         ?—Reported but not officially confirmed.<br/>         . . . .—No information.<br/> <b>Fourth Column Symbols</b><br/>         a—verifies for return postage.<br/>         b—Verifies only occasionally.<br/>         d—Verifies for government postal card.<br/>         e—Verifies free.<br/>         i—Verifies for 10 cents.<br/>         g—Card for postage; veri stamp for 10c.<br/>         z—No information available.</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 540 kcs. (552.2 m.)

CBK F 50000



a Watrous, Sask., Canadian Brdcastg. Corp.

### 550 kcs. (545.1 m.)

CFNB	F	1000
CMW	...	2500
KFYR	N	5000
KOAC	...	1000(5)
KOY	C	1000
KSD	R	1000(5)
KTSA	C	1000(5)
WDEV	D	1000
WGR	CM	1000(5)
WKRC	M	1000(5)
WSVA	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., Sunshine Brdcastg. Co.
- a Waterbury, Vt., Radio Station WDEV
- a Buffalo, N. Y., Buffalo Brdcastg. Corp.
- a Cincinnati, Ohio, Cincinnati Times-Star Co.
- a Harrisonburg, Va. Shenandoah Valley Brdcastg. Corp.
- z Leon, Gto.

### 560 kcs. (535.4 m.)

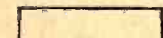
CJKL	F	1000
CMKM	...	250
KFDM	N	1000
KLZ	C	5000
KSFO	C	1000(5)
KWTO	D	5000
WFIL	BM	1000
WGAN	C	5000
WIND	...	5000
WIS	N	5000
WOAM	C	1000
XEOF	....	1000



- a Kirkland Lake, Ont., Northern Brdcastg. Co. Ltd.
- a Manzanillo, Cuba, Raimudo Comas Soler.
- a Beaumont, Tex., Beaumont Brdcastg. Corp.
- a Denver, Colo., KLZ Brdcastg. Co.
- a San Francisco, Calif., Associated Broadcasters, Inc.
- a 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.)

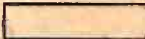
CMHI	O	10000
KGKO	N	5000
KMTR	....	1000
KUTA	N	1000
KVI	C	5000
WKBN	CG2	500
WMAM	D	250
WMCA	....	1000(5)
WNAX	C	5000
WOSU	G2	1000
WSYR	B	1000
WWNC	C	1000



- 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.
- a Youngstown, Ohio, WKBN Brdcastg. Corp.
- z Marinette, Wis., M and M Brdcastg. Co.
- a New York, N. Y. Knickerbocker Brdcastg Co., Inc.
- a Yankton, S. Dak., WNAX Brdcastg. Co.
- a Columbus, Ohio, Ohio State University
- a Syracuse, N. Y., Central New York Brdcastg. Corp.
- a 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
KMJ	EN	5000
KSAC	Z	500(1)
WCHS	C	5000
WDBO	C	5000
WIBW	C2	5000
WILL	D	5000
WTAG	R	1000(5)
NEMU	....	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.
- a Topeka, Kans., Topeka Brdcastg. Assn. Inc.
- a Urbana, Ill., University of Illinois.
- a Worcester, Mass., Worcester Telegram Pub. Co., Inc.
- z Piedras Negras, Coah., Radio Difusora de Piedras Negras.

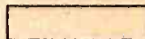
### 590 kcs. (508.2 m.)



CMCY	O	15000
KGMB	CM	5000
KHQ	ER	5000
WEEL	C	5000
WKZO	B	1000
WMBS	R	1000
WOW	C	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 Boston, Mass., CBS, Inc.
- a Kalamazoo, Mich., WKZO, Inc.
- a Uniontown, Pa., Fagette Brdcastg. Corp.
- a Omaha, Nebr., Woodmen of the World.
- z Mexico City, D. F.
- a 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)
WICC	BM	500(1)
WMT	BM	5000
WREC	C	5000
WSJS	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., Dorrence D. Roderick.
- a San Jose, Costa Rica, Gonzalo Pinto H.
- a Baltimore, Md., Monumental Radio Co.
- f Bridgeport, Conn., The Yankee Net work, Inc.
- a Cedar Rapids, Iowa, Iowa Brdcastg. Co.
- a Memphis, Tenn., WREC Brdcastg. Service.
- a Winston-Salem, N. C., Piedmont Pub. Co.
- z Torreon, Coah.
- z Morelia, Micho.
- z Merida, Yuc., Jorge L. Palomeque.

### 610 kcs. (491.5 m.)



CHNC	F	1000
CJAT	F	1000
KFAR	....	1000
KFRC	M	5000
WCLE	DM	500
WDAF	R	5000
WIOD	N	5000
WIP	....	5000
WMUR	P	1000(5)
XEBX	....	500
XERJ	....	600

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

### 620 kcs. (483.6 m.)



CKCK	F	1000
CMJK	....	250
KGW	ER	5000
KTAR	EN	5000
KWFT	C	1000(5)
TPG	625	5000
WAGE	P	1000
WHJB	D	250
WKAQ	C	5000
WLBZ	MN	500(1)
WROL	N	500(1)
WSUN	N	5000
WTMJ	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.
- a Wichita Falls, Tex., Wichita Brdcastg. Co.
- b San Jose, Costa Rica, Claudia Hartinos.
- z Salina, N. Y., Sentinel Brdcastg. Corp.
- a Greensburg, Pa., Pittsburgh Radio Supply House.
- a San Juan, Puerto Rico, Radio Corp. of Puerto Rico.
- a 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. Corp., Ltd.



## BROADCASTING STATIONS BY FREQUENCIES

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

- a Winnipeg, Man., Transcanada Communications, Ltd.
- a Kelowna, B. C., Okanagan Broadcasters, Ltd.
- z Havan, 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.

### 640 kcs. (468.5 m.)

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

- z Colon, Panama.
- f Los Angeles, Calif., Earle C. Anthony, Inc.
- a St. John's NFLD., Brdcastg. Corp of NFLD.
- a Columbus, Ohio, United Brdcastg. Corp.
- a Ames, Iowa, Iowa State College of Agriculture.
- a San Salvador, El Salvador.

### 650 kcs. (461.3 m.)

WSM	N	50000
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- a Nashville, Tenn., National Life & Accident Ins. Co.

### 660 kcs. (454.3 m.)

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

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

### 670 kcs. (447.5 m.)

WMAQ	R	50000
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- c Chicago, Ill. NBC, Inc.

### 680 kcs. (440.9 m.)

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

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

### 690 kcs. (434.5 m.)

CBF	NN	50000
CMQ	N	15000(25)
KGGF	GM2	1000
TIGH	....	1000
WNAD	G2	1000
XEAC	....	5000
XEN	....	5000

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

### 700 kcs. (428.3 m.)

VOWR	....	500
WLW	KN	50000
W8XO	Exp	500000

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

### 710 kcs. (422.3 m.)

KIRO	C	50000
KMPC	C	5000
WOR	KM	50000

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

### 720 kcs. (416.4 m.)

Ti4NRH	725	750
WGN	KM	50000
YV5RH	....	....

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

### 730 kcs. (410.7 m.)

CKAC	C	5000
XEDP	....	150000

- 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	M	5000

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

### 750 kcs. (399.8 m.)

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

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

### 760 kcs. (394.5 m.)

KGU	LN	2500
WJR	C	50000

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

### 770 Kcs. (389.4 m.)

KXA	L	1000
WCAL	2D	5000
WEW	D	1000
WJZ	B	50000
WLB	2D	5000

- 
- a Seattle, Wash., American Radio Telephone Co.
  - a Northfield, Minn., St. Olaf College.
  - a St. Louis, Mo., St. Louis University.
  - a New York, N. Y., NBC, Inc.
  - a Minneapolis, Minn., University of Minn.

### 780 kcs. (384.4 m.)

KFAB	EXZ	10000
WBBM	CS	50000

- 
- a Lincoln, Nebr., Central States Brdcastg. System.
  - 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	BM	5000
WMC	R	1000(5)
WPIC	D	1000
WPRA	....	1000(2.5)
WTAR	N	5000
XELJ	....	500
XERC	....	1000
YV5RB	B	2000
ZNS	....	1000

- 
- a Sudbury, Ont., Sudbury Star.
  - a Havana, Cuba, El Professo 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.
  - a Providence, R. I., The Yankee Network, Inc.
  - a Memphis, Tenn., Memphis Commercial Appeal 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.
  - b Caracas, Venezuela, Degwitz & Siblitz.
  - d Nassau, Bahams, 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	B	10000
KOAM	N	1000
WGY	R	50000
XEFW	....	50000

- 
- a Santa Clara, Cuba, T. Rio Leon.
  - a San Francisco, Calif., NBC.
  - a 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.
  - a 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 Co.

### 850 kcs. (352.7 m.)

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

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

### 860 kcs. (348.6 m.)

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

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

### 870 kcs. (344.6 m.)

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

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

### 880 kcs. (340.7 m.)

WABC	C	50000
WHB	DM	1000

a New York, N. Y., Columbia Brdcastg. Sys.  
a Kansas City, Mo., WHB Brdcastg. Co.

### 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., CadenaRadiodifusora Mex.

### 910 kcs. (329.6 m.)

CBO	F	1000
CGJC	F	1000
CMCF	E	5000
KFKA	M2	1000
KLX	....	1000
KPOF	2	1000
KVAN	D	250
KRRV	M	1000
WCOC	C	1000
WFDF	B	1000
WGBI	C3	500(1)
WJHL	....	1000
WOAN	3	500(1)
WRNL	B	1000
WSUI	....	1000(5)
XEAO	....	250

a Ottawa, Ont., CBC.  
a Kamalooops, B. C., Kamalooops Sentinal Ltd.  
a Havana, Cuba, Cadena Azul.  
a Greeley, Colo., Mid-Western Radio Corp.  
a Oakland, Calif., Tribune Bldg. Co.  
a Denver, Colo., Pillar of Fire.  
z Vancouver, Wash., Vancouver Radio Corp.  
a Sherman, Tex., Red River Valley Brdcastg. Corp.  
a Meridian, Miss., Miss. Brdcastg. Co., Inc.  
a Flint, Mich., Flint Brdcastg. Co.  
f Scranton, Pa., Scranton Broadcasters, Inc.  
a Johnson Ctiy, 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)
WGST	C	1000(5)
WIAR	R	5000
WMMN	C	5000
XEBH	....	1000
XEMJ	....	200

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

## BROADCASTING STATIONS BY FREQUENCIES

### 930 kcs. (322.4 m.)

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

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

### 940 kcs. (319 m.)

CBM	FR	5000
WMAZ	C	5000
XEQ	....	50000

a	Montreal, P. Q., CBC.	
a	Macon, Ga., Southeastern Brdcast. Co., Inc.	
a	Mexcio City, D. F., Radio Panamericana.	

### 950 kcs. (315.6 m.)

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

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

### 960 kcs. (312.3 m.)

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

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

### 970 kcs. (309.1 m.)

CMKU	E	5000
KOIN	C	5000
WAAT	....	1000
WAVE	N	5000
WCSH	R	5000
WDAY	N	5000
WFLA	P	1000(5)
WHA	D	5000
WICA	D	1000
XEI	....	5000
XFK	....	500
XEO	....	750

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

### 980 kcs. (306 m.)

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

a	Quebec, P. Q., CBC.	
a	Regina, Sask., Transcanada Comm., Ltd.	
a	Vancouver, B. C., Western Brdcastg. Co., Ltd.	
a	Havana, Cuba, Lius Casas R.	
a	Los Angeles, Calif., Warner Bros. Brdcastg. Corp.	
a	Kansas City, Mo., Midland Brdcastg. Co.	
z	Saginaw, Mich., Gross and Shields.	
a	Washington, D. C., NBC, Inc.	
a	Troy, N. Y., Troy Brdcastg.	
z	Cananea, Son., Pedro L. Diaz.	
z	Tapic, Nay., Gabierno del Estado de Nayarit.	
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	C	1000(5)
NECL	....	5000
XET	....	5000

a	Winnipeg, Man., Man. Telephone Sys.	
a	Trinidad, Cuba, Fernando E. Sato del Valle.	
a	Glenside, Pa., Seaboard Radio Brdcastg. Corp.	
a	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	B	10000
WCFL	N	10000
WINS	L	1000
XEPX	....	10000

a	Santiago de Cuba, Clauddio Alvarez Soriano.	
a	Seattle, Wash., Fishers' Blend Station, Inc.	
a	Chicago, Ill., Chicago Federation of Labor.	
a	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
XEQN	....	500
YV5RG	....	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, Venez., Gonzalo Veloz Maucero.	

### 1020 kcs. (293.9 m.)

KDKA	B	50000
KFVD	D	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
-----	---	-------

a	Des Moines, Iowa, Central Brdcastg. Co.	

### 1050 kcs. (285.5 m.)

CMKG	....	250
WDZ	D	1000
WHN	....	50000
XEG	....	150000
YV5RZ	....	500

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.	
z	La Guaira, Venezuela. "Emisora Vargas."	

### 1060 kcs. (282.8 m.)

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

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

### 1070 kcs. (280.2 m.)

CBA	F	50000
KFBI	....	1000(5)
KNX	C	50000
WAPI	C	50000
WEAU	L	1000(5)
WTBC	....	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	Birmingham, Ala., Voice of Ala. 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	L	500
KYOS	DM	250
WCAZ	D	250
WTIC	R	50000
YV5RE	....	500

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.	
a	Hartford, Conn., Travelers Brdcastg. Service Corp.	
a	Barcelona, Venez., "Ondas del Neveri."	

### 1090 kcs. (275.1 m.)

CMKX	....	250
HIN	....	150
KTHS	N	50000
WBAL	BM	50000
WIAG	L	1000
XEHR	....	250
XERB	....	50000

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

## BROADCASTING STATIONS BY FREQUENCIES

### 1100 kcs. (272.6 m.)

KJBS L 500  
WTAM R 50000

### 1110 kcs. (270.1 m.)

CMBY D 250  
WBT C 50000  
WCBD L2 5000  
WMBI L2 5000  
XEFO .... 20000

### 1120 kcs. (267.7 m.)

KMOX C 50000  
YV1RF .... 300

### 1130 kcs. (265.3 m.)

CBR F 5000  
CMKH .... 250  
KGDM DM 1000  
KWKH C 50000  
WCAR D 1000  
WDGY M 1000(5)  
WOV .... 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  
CMBO .... 1000(5)  
KFIO D 100  
KFSG a 1000(2.5)  
KRKD a 1000(2.5)  
KRSC E 1000  
KSAL 1000  
KSWO DP 250  
KTBC G 1000  
WAPO N 1000(5)  
WCOP .... 500  
WDEL R 5000  
WISN C 5000  
WIBO B 5000  
WKPA D 250  
WTAW G 1000  
YEJP .... 600  
XEIS .... 500  
YV1RD .... 250  
YV4RD ....

### 1160 kcs. (285.5 m.)

KSL C 50000  
WIID L 20000  
YV5RL .... 500

### 1170 kcs. (256.3 m.)

KVOO N 50000  
WWVA C 50000  
XECD .... 350

### 1180 kcs. (254.1 m.)

WHAM N 50000

### 1190 kcs. (252 m.)

CMCU .... 250  
KEX B 50000  
WOWO B 50000  
.... 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 #59  
a Charlotte, N. C., CBS;  
a Chicago, Ill., WCBD, Inc.  
g Chicago, Ill., Moody Bible Institute  
a Mexico City, D. F., Partido de la Revolucion Mex.

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

[ ]  
a Vancouver, B. C., Canadian Brdstg. Corp.  
z Guantanamo, Cuba  
f Stockton, Calif., E. F. Pepper  
a Shreveport, La., International Brdstg. Corp.  
a Pontiac, Mich., Pontiac Brdstg. Co.  
a Minneapolis, Minn., Dr. Geo. W. Young  
a New York, N. Y., Greater N. Y. Brdstg. 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. Brdstg. Co.  
a Hamilton, Ont., Wentworth Radio Brdstg. Co., Ltd.  
a Brandon Man., Man. Telephone Sys.  
a Havana, Cuba, Ideas Pazos  
a Spokane, Wash., Spokane Brdstg. 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.  
z Austin, Texas  
a Chattanooga, Tenn., W. A. Patterson  
a Boston, Mass., Mass. Brdstg. Corp.  
a Wilmington, Del.  
a Milwaukee, Wis., Hearst Radio, Inc.  
a Baton Rouge, La., B. R. Brdstg. Co., Inc.  
a New Kensington, Pa., Alleghany-Kiski Brdstg. Co.  
a College Station, Tex., Agricultural & Mech. College  
z Mexico City, D. F., Salvador Monterrubio  
z Cananea, Son.  
z Maracaibo Venez., "Radiodifusora Maracaibo."  
z Maracav, Venez., "Radio Marconi."

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

[ ]  
a Tulsa, Okla. Southwestern Sales Corp.  
a Wheeling, W. Va., W. V. Brdstg. Corp.  
z Puebla, Pue., Ricardo Vazquez

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

[ ]  
a Havana, Cuba, Jorge Garcia Serra  
a Portland, Ore., Oregonian Pub. Co.  
a 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 Brdcstg. Co.

### 1220 kcs. (245.8 m.)

CHAB F 1000  
 CMKO ..... 250  
 TIGPH2 1225 1000  
 NEB ..... 10000

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

### 1230 kcs. (243.8 m.)

CFCH F 100  
 CHGB F 100  
 CJCJ F 100  
 CKNX ..... 100  
 CKTB F 100  
 CKVD ..... 100  
 CMCO 2 250  
 CMCW 2 250  
 CMJE ..... 250  
 HHW ..... 100  
 KADA EM 250  
 KAST ..... 250  
 KBTM ..... 250  
 KELO N 250  
 KFDA EM 250  
 KFJB ..... 250  
 KFXD ..... 250  
 KFXJ ..... 250  
 KGDE ..... 250  
 KGEK ..... 250  
 KGFI ..... 250  
 KGHI ..... 250  
 KHAS ..... 250  
 KHBC CM 250  
 KMLB ..... 250  
 KODL ..... 250  
 KOOS M 250  
 KPHO P 250  
 KPOW P 250  
 KSUN E 250  
 KVCV M 250  
 KVEC M 250  
 KVNU ..... 250  
 KVOS M 250  
 KWG BE 250  
 KWNO E 250  
 KYSM EN 250  
 WABI C 250  
 WAIM C 250  
 WAJR ..... 250  
 WAYX ..... 250  
 WBBZ M 250  
 WBHP ..... 250  
 WBLI ..... 250  
 WBOC ..... 250  
 WBOW N 250  
 WCAT ..... 250  
 WCAZ C 250  
 WCBT ..... 250  
 WCED ..... 250  
 WCLO ..... 250  
 WCOL N 250  
 WCPO ..... 250  
 WDLP ..... 250  
 WDMS M 250  
 WENY M 250  
 WESX ..... 250  
 WFTC ..... 250  
 WGRB P 250  
 WHRC M 250  
 WHBY E 250  
 WHOP ..... 250  
 WTBX C 250  
 WIL ..... 250  
 WISE N 250  
 WJTB P 250  
 WJBC ..... 250

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

## BROADCASTING STATIONS BY FREQUENCIES

WIBW	....	250	a	New Orleans, La., Chas. C. Carlson
WJNO	..C	250	a	W. Palm Beach, Fla., WJNO, Inc.
WJOB	..2	250	a	Hammond, Ind., O. E. Richardson & F. L. Adair
WJRD	..E	250	a	Tuscaloosa, Ala., James R. Doss, Jr.
WKBO	..N	250	a	Harrisburg, Pa., Keystone Brdcastg. Corp.
WLOF	..P	250	z	Orlando, Fla., Tazlewood, Inc.
WLOG	....	250	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	250	a	Saginaw, Mich., Saginaw Brdcastg. Co.
WSKB	....	250	a	McComb, Miss., McComb Brdcastg. Corp.
WSOO	....	250	a	Sault Ste. Marie, Mich., Hiawathaland Brdcastg. Co.
WTHT	..M	250	a	Hartford, Conn., Hartford Times, Inc.
WTOL	....	250	a	Toledo, Ohio, Community Brdcastg. Co.
YNOW	....	800	z	Managua, Nicaragua.
<b>1240 kcs. (241.8 m.)</b>				
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, L., Alex. Brdcastg. Co., Inc.
KANS	..N	250	a	Wichita, Kans., KANS Brdcastg. Co.
KASA	..M	250	a	Elk City, Okla., E. M. Woody
KAVE	....	250	a	Carlsbad, N. Mex., Carlsbad Brdcastg. Co.
KBIZ	..P	250	z	Ottumwa, Iowa.
KDLR	....	250	a	Devils Lake, N. Dak., KDLR, Inc.
KDON	..M	250	a	Monterey, Calif., Monterey Peninsula Brdcastg. Co.
KFOR	..EM	250	a	Lincoln, Nebr., Cornbelt Brdcastg. Corp.
KFJI	....	250	a	Klamath Falls, Ore., KFJI Broadcasters, Inc.
KFXM	..2M	250	a	San Bernardino, Calif., Lee Bros. Brdcastg. Co.
KGBS	..P	250	z	Harlingen, Tex., Harbenito Brdcastg. Co.
KGY	..M6	250	a	Olympia, Wash., KGY, Inc.
KHBG	....	250	a	Okmulgee, Okla., Okmulgee Brdcastg. Corp.
KIUL	....	250	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 Ait Show.
KPFA	..EN	250	a	Helena, Mont., Peoples Forum of the Air.
KPPC	..2	250	a	Pasadena, Calif., Pasadena Presb. Church.
KROY	..C	250	a	Sacramento, Calif., Royal Miller.
KVSO	..M	250	a	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., Sins Brdcastg. Co.
KWLC	..D	250	a	Decorah, Iowa, Luther College.
KNOX	....	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	..M	250	a	Wilkes-Barre, Pa., John H. Stenger, Jr.
WBBL	..G5	250	a	Richmond, Va., Grace Covenant Presb. Church.
WBIR	..P	250	z	Knoxville, Tenn., J. W. Birdwell.
WBML	..P	250	a	Macon, Ga., Middle Georgia Brdcastg. Co.
WBRB	..4	250	z	Red Bank, N. J., Monmouth Brdcastg. Co.
WCOU	..M	250	a	Lewiston, Maine, Twin City Brdcastg. Co., Inc.
WCOV	..C	250	a	Montgomery, Ala., Capital Brdcastg. Co., Inc.
WCRW	..G3	250	a	Chicago, Ill., Clinton R. White.
WEBO	....	250	a	Harrisburg, Ill., Harrisburg Brdcastg. Co.
WFDC	..G3	250	a	Chicago, Ill., Emil Denemark, Inc.
WFA5	..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.
WGRR	..4	250	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	..M	250	a	Greenfield, Mass., John W. Haigis.
WHBU	....	250	a	Anderson, Ind., Anderson Brdcastg. Corp.
WHIZ	..N	250	a	Zanesville, Ohio, WALR Brdcastg. Corp.
WIBU	..E	250	a	Poynette, Wis., Wm. C. Forrest
WINN	....	250	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	B	250	a	Jamesstown, 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	a	Lima, Ohio, Fort Industry Co.
WMFS	C	250	a	Hibbing, Minn., Head of the Lakes Brdcastg. Co.
WOCR	....	250	a	Hyannis, Mass., Cape Cod Brdcastg. Co.
WOMT	....	250	a	Manitowoc, Wis., Francis M. Kadow.
WPAN	....	250	a	Thomasville, Ga., H. Wimpy.
WPID	5	250	a	Petersburg, Va., Petersburg Newspaper Corp.
WRAL	M	250	z	Raleigh, N. C., Capitol Brdcastg. Co.
WASY	M	250	a	Rochester, N. Y., Brown Radio Service.
WSBC	G3	250	a	Chicago, Ill., WSBC, Inc.
WSIX	M	250	a	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	....	250	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	6	1000	a	Seattle, Wash., First Presb. Church.
KWSC	6	5000	a	Pullman, Wash., State College of Wash.
WCAD	D	500	a	Canton, N. Y., St. Lawrence Universtiy.
WCAE	MR	5000	a	Pittsburgh, Pa., WCAE, Inc.
WDAE	C	5000	a	Tampa, Fla., Tampa Times Co.
WGNY	D	250	a	Newburgh, N. Y., WGNY 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 Tagneva.
XETF	....	500	a	Veracruz, Ver. C., Jose Rodriguez Lopez.
YVIRK	....	....	a	Maracaibo, Venezuela, Jose A. Higuera.

### 1260 kcs. (238 m.)

CFRN	F	1000	a	Edmonton, Alta., G. R. A. Rice.
CMBF	....	5000	a	Havana, Cuba, Radio Emisora Nacional.
KGBX	N	5000	a	Springfield, Mo., Springfield Brdcastg. Co.
KGGM	C	1000	a	Albuquerque, N. Mex., New Mexico Brdcastg. Co.
KYA	E	1000(5)	a	San Francisco, Calif., Hearst Radio, Inc.
WFBM	C	5000	a	Indianapolis, Ind., WFBM, Inc.
WNAC	R	5000	a	Boston, Mass., The Yankee Network, Inc.
WOL	M	1000	a	Washington, D. C. American Brdcastg. Co.
XEBL	....	500	z	Mazatlan, Sin., Ignacio L. Laiz.
XEBM	....	150	z	San Luis Potosi, S. L. P., Benjamin Briones.
XEBP	....	250	z	Torreon, Cosh.
XEBU	....	100	z	Chihuahua, Chih., Feliciano Lopez Islas.
VEDF	....	250	a	Laredo, Tams.
XEDW	....	250	a	Minatitlan, Ver. C., Hector Silva Canto.
XEL	....	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.
KFIZ	M	5000	a	Fort Worth, Tex., Tarrant Brdcastg. Co.
KGCU	....	500(1)	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	M	500	a	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	Iuarez, Chih., Dario Cordoba.
XEME	....	500	a	Merida, Yuc., Perefcto. Villamil Cisero.
XEXH	....	500	z	Oaxaca, Oax.
YV3RA	....	....	a	Barquisimeto, Venezuela.

## BROADCASTING STATIONS BY FREQUENCIES

### 1280 kcs. (234.2 m.)

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

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

### 1290 kcs. (232.4 m.)

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

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

### 1300 kcs. (230.6 m.)

CMAN	O	1000
CMJF	.....	250
KGLO	C	1000
KOL	M	1000(5)
KVOR	C	1000
WASH	Na	5000
WFBR	R	5000
WIDX	R	1000(5)
WOOD	Na	5000
WWNY	DP	500
XEGF	.....	100
XEP	.....	500
XES	.....	5000

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

### 1310 kcs. (228.9 m.)

CMGN	O	1000
KFBB	C	5000
KHON	P	250
KLS	.....	1000
TGI	.....	.....
WCAM	2	500
WCAP	2	500
WDOD	C	5000
WIBA	N	5000
WISH	P	1000(5)
WORC	C	1000
WRR	M	5000
WTNI	2	500
XEAD	.....	500
XEC	.....	100
XEHB	.....	1000
XEMG	.....	250

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

### 1320 kcs. (227.1 m.)

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

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



## BROADCASTING STATIONS BY FREQUENCIES

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

### 1330 kcs. (225.4 m.)

CMBG	2	1500	z	Havana, Cuba, John L. Stowers.
CMBS	2	250	a	Havana, Cuba, Enrique Artalejo.
KALE	M	5000	a	Portland, Ore., KALE, Inc.
KFAC	....	1000	a	Los Angeles, Calif., Los Angeles Brdcastg. Co., Inc.
KFH	C	5000	a	Wichita, Kans., Radio Station KFH Co.
WBBR	2	1000	a	Brooklyn, N. Y., Watch Tower Bible & Tract Society, Inc.
WEVD	2	1000	a	New York, N. Y., Debs Memorial Radio Fund, Inc.
WFBC	N	5000	a	Greenville, S. C., Greenville News-Piedmont Co.
WHAZ	2	1000	a	Troy, N. Y., Rensselaer Polytechnic Institute.
WHBL	....	500(1)	g	Sheboygan, Wis., Press Pub. Co.
WLWL	....	1000	a	Minneapolis, Minn., Independent Merchants Brdcastg. Co.
XEBO	....	600	z	Irapuato, Gto., Alfonso Martinez.
XEKS	....	100	z	Saltillo, Coah.

### 1340 kcs. (223.7 m.)

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

## BROADCASTING STATIONS BY FREQUENCIES

WFBG R 250  
 WFHR ..... 250  
 WFIG ..... 250  
 WGAU ..... 250  
 WGH K 250  
 WGTM ..... 250  
 WHAT ..... 2  
 WINX P 250  
 WIZE P 250  
 WIPF ..... 250  
 WJPR ..... 250  
 WLAK N 250  
 WLAJ ..... 250  
 WLBC ..... 250  
 WLBK ..... 250

WLNH M 250  
 WMBO ..... 250  
 WMFF B 250  
 WNBH M 250  
 WPER ..... 250  
 WRAW N 250  
 WSAJ G3 250  
 WSAV N 250  
 WSGN BEM 250  
 WSOY ..... 250  
 WSTV GP3 250  
 WTAL ..... 250  
 WTEI ..... 2  
 WTRC ..... 250  
 XEAA ..... 250  
 XEBK ..... 100  
 XECA ..... 250  
 XECF ..... 150  
 XECW ..... 250  
 XEDH ..... 200  
 XEFC ..... 250  
 XEFZ ..... 250  
 XEIK ..... 100  
 XELW ..... 250  
 XEMA ..... 100  
 XENS ..... 100

### 1350 kcs (222.1 m.)

CMHI ..... 250  
 CMKY ..... 100  
 HIZ ..... 200  
 KGHF B 500  
 KID ..... 500(5)  
 KRNT C 5000  
 KSRO ..... 1000  
 WADC C 5000  
 WORK N 1000  
 WSMB R 5000  
 XEQK ..... 1000  
 XETB ..... 500  
 XETM ..... 1000  
 YV4RA ..... 500

### 1360 kcs. (220.4 m.)

CMC 3 250  
 CMOA 3 250  
 KGB M 1000  
 KMO M 5000  
 KRIS MN 1000  
 KSCI N 5000  
 WDRC C 5000  
 WKAT ..... 1000  
 WSAI MN 5000  
 WTAQ C 5000  
 XEBI ..... 250  
 XESA ..... 500  
 XEWG ..... 1000

### 1370 kcs. (218.8 m.)

CMAC P 100  
 CMIH ..... 250  
 KETH P 1000  
 KFRO ..... 1000

a Altoona, Pa., Gable Brdcstg. Co.  
 a Wisconsin Rapids, Wis., Wm. F. Huffman.  
 a Sumter, S. C., J. Samuel Brady.  
 a Athens, Ga., J. K. Patrick & Co.  
 a Newport News, Va., Hampton Roads Brdcstg. Corp.  
 a Wilson, N. C., WGTM, Inc.  
 a Philadelphia, Pa., Independent Brdcstg. Co., Inc.  
 z Washington, D. C., Lawrence J. Heller.  
 z Springfield, Ohio, Radio Voice of Springfield, Inc.  
 a Herrin, Ill., Orville W. Lyerla.  
 a Greenville, Miss., John R. Pepper.  
 z Lakeland, Fla., Lake Region Brdcstg. Co.  
 a Grand Rapids, Mich., Leonard A. Verslius.  
 a Muncie, Ind., Donald A. Burton.  
 a Bowling Green, Ky., Bowling Green Brdcstg. Co. Inc.  
 a Laconia, N. H., Northern Brdcstg. Co.  
 a Auburn, N. Y., WMBO, Inc.  
 a Plattsburg, N. Y., Plattsburg Brdcstg. Corp.  
 a New Bedford, Mass., E. Anthony & Sons, Inc.  
 z De Land, Fla.  
 a Reading, Pa., Reading Brdcstg. Co.  
 a Grove City, Pa., Grove City College.  
 a Savannah, Ga., WSAV, Inc.  
 a Birmingham, Ala., Birmingham News Co.  
 a Decatur, Ill., Commodore Brdcstg., Inc.  
 z Steubenville, Ohio, Valley Brdcstg. Co.  
 a Tallahassee, Fla., Florida Capitol Brdcstg., Inc.  
 a Philadelphia, Pa., Foulkrod Radio Eng. Co.  
 a Elkhart, Ind., Truth Pub. Co., Inc.  
 a Mexicali, B. Cfa., Alberto Gonzalez.  
 a Nuevo Laredo, Tam., Guajardo y Cortes.  
 z Tampico, Tam., Nicolas M. Picet.  
 z Los Mochis, Sin., Francisco Perez H.  
 a Cordoba, Ver. C., Voz del Sudeste de Mexico.  
 z Villa Acuna, Coah., Vincente Hernandez.  
 a Merida, Yuc., Julio Molina Font.  
 z Coatzacoalcos, Ver. C., Pedro E. Rocher.  
 z Chihuahua, Chih., Manuel Armandariz.  
 a Guadalajara, Jal.  
 z Fresnillo, Zac., Jose Ma. Acevedo Moya.  
 z Toluca, Mex., Instituto Cientifica y Literario

a Cienfuegos, Cuba, Romualdo Ugalde.  
 z Puerto Padre, Cuba.  
 z Trujillo, D. R.  
 a Pueblo, Colo., Curtis P. Ritchie.  
 a Idaho Falls, Idaho, KID Brdcstg. Co.  
 a Des Moines, Iowa, Iowa Brdcstg. Co.  
 a Santa Rosa, Calif., Ernest L. Finley.  
 a Akron, Ohio, Allen T. Simmons.  
 a York, Pa., York Brdcstg. Co.  
 a New Orleans, La., WSMB, Inc.  
 z Mexico City, D. F.  
 a Torreón, Coah., Aurelio G. Zaragoza.  
 z Naco, Son.  
 b Valencia, Venezuela, "La Voz de Carabobo."

a Havana, Cuba, Valdez y Cia.  
 a Havana, Cuba, Juan Fernandez Duran.  
 a San Diego, Calif., Don Lee Brdcstg. System.  
 a Tacoma, Wash., Carl E. Haymond.  
 a Corpus Christi, Tex., Gulf Coast Brdcstg. Co.  
 a Sioux City, Iowa, Sioux City Journal.  
 g Hartford, Conn., WDRC, Inc.  
 a Miami Beach, Fla., A. Frank Katzentine.  
 a Cincinnati, Ohio, Crosley Corp.  
 a Green Bay, Wis., WHBY, Inc.  
 á Aguascalientes, Ags., Pedro C. Rivas  
 z Culiacan, Sin.  
 z Tuarez, Chih.

z Guanajay, Cuba.  
 d Ciego de Avila, Cuba, Luis Marauí H.  
 z Dubuque, Iowa, Telegraph Herald Co.  
 a Longview, Tex., Voice of Longview.



## BROADCASTING STATIONS BY FREQUENCIES

KGIR	EN	5000
KGNO	....	500(1)
WCOA	N	500(1)
WFEA	MN	5000
WFNC	D	250
WPAB	....	1000
WSPD	R	5000
XEA	....	250
XEAF	....	1000
XEHL	....	500
XEMR	....	500
YVIRW	....	....

a	Butte, Mont., KGIR, Inc.
c	Dodge City, Kans., Dodge City Brdestg. Co.
d	Pensacola, Fla., Pensacola Brdestg. Co.
a	Manchester, N. H., N. H. Brdestg. Co.
a	Fayetteville, N. C., Cumberland Brdestg. Co.
a	Ponce, P. R., Portorican American Brdestg. Co. Inc.
a	Toledo, Ohio, The Fort Industry Co.
z	Campeche, Cam.
a	Nogales, Son.
z	Guadalajara, Jal.
z	Monterrey, N. L.
.	Coro, Venezuela, Radio Coro.

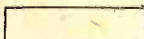
### 1380 kcs. (217.3 m.)



CKPC	....	100
CMHK	....	250
KBWD	P	500
KIDO	N	1000
KTSM	N	500
KWK	BM	5000
WAWZ	2	1000
WBNX	2	5000
WMBG	R	1000(5)
WTSP	....	500(1)
XELF	....	250
XEMX	....	500

a	Brantford, Ont., Telephone City Brdestg., Ltd.
z	Cruces, Cuba, R. G. Gonzalez.
z	Brownwood, Tex., Brown County Brdestg. Co.
a	Boise, Idaho, Boise Brdestg. Station.
a	El Paso, Tex., Tri-State Brdestg. Co., Inc.
a	St. Louis, Mo., Thomas Patrick, Inc.
a	Zarephath, N. J., Pillar of Fire.
a	New York, N. Y., WBNX Brdestg. Co., Inc.
a	Richmond, Va., Havens & Martin, Inc.
a	St. Petersburg, Fla., Pinellas Brdestg. Co.
z	Nuevo Laredo, Tam.
z	Mexico City, D. F.

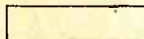
### 1390 kcs. (215.7 m.)



CMBX	2	250
CMCB	2	250
CMKR	....	250
KCRC	EM	1000
KGER	....	1000
KLPM	....	1000
KSLM	M	1000
WCSC	C	1000
WFBL	C	5000
WGES	G	500(1)
WQBC	D	1000
WTJS	....	1000
XEAZ	....	250
XEM	....	500

a	Havana, Cuba, Alberto Alvarez.
a	Havana, Cuba, La Metropolitana.
z	Santiago de Cuba, Jaime Nadal.
a	Enid, Okla., Enid Radiophone Co.
a	Long Beach, Calif., Consolidated Brdestg. Corp.
a	Minot, N. Dak., John B. Cooley.
a	Salem, Ore., Oregon Radio, Inc.
a	Charleston, S. C., S. C. Brdestg. Co., Inc.
a	Syracuse, N. Y., Onondaga Radio Brdestg. Corp.
a	Chicago, Ill., Oak Leaves Brdestg. Station, Inc.
a	Vicksburg, Miss., Delta Brdestg. Co., Inc.
a	Jackson, Tenn., Sun Pub. Co., Inc.
z	Reynosa, Tam., Carlos V. Rodriguez.
z	Chihuahua, Chih.

### 1400 kcs. (214.2 m.)



CFAR	....	100
CFOS	....	100
CHRC	....	100
CJOC	F	100
CKCW	F	100
KCRN	....	250
CMJW	....	250
KELD	....	250
KENO	....	250
KEVR	3	250
KFGQ	D	250
KFPW	....	250
KFRU	....	250
KFVS	....	250
KGFL	....	250
KGKL	M	250
KICA	....	250
KIUN	....	250
KIUP	....	250
KLUF	....	250
KMAC	5	250
KOBH	....	250
KOKO	....	250
KONO	5	250
KORN	....	250
KRE	....	250
KRKO	3	250
KRLC	....	250
KRMC	....	250
KTEM	M	250
KTOK	EMN	250
KTSW	M	250
KTUC	CE	250

a	Flin Flon, Man., Arctic Radio Corp.
a	Owen Sound, Ont., Owen Sound Sun-Times.
a	Quebec, P. Q., CHRC, Ltd.
a	Lethridge, Alta., H. R. Carson, Ltd.
a	Moncton, N. B., Moncton Brdestg. Co., Ltd.
a	Rouyn, P. Q., La Cie de Radiodiffusion.
z	Camaguey, Cuba.
a	El Dorado, Ark., Radio Enterprises, Inc.
a	La Vegas, Nev., Nevada Brdestg. Co.
a	Seattle, Wash., Evergreen Brdestg. Corp.
a	Boone, Iowa, Boone Biblical College.
a	Fort Smith, Ark., Southwestern Hotel Co.
a	Columbia, Mo., KFRU, Inc.
a	Cape Girardeau, Mo., Hirsch Battery & Radio Co.
a	Roswell, N. Mex., KGFL, Inc.
a	San Angelo, Tex., KGKL, Inc.
a	Clovis, N. Mex., Western Broadcasters, Inc.
a	Pecos, Tex., J. Hawkins & B. H. Tubbs.
a	Durango, Colo., San Juan Brdestg. Co.
a	Galveston, Tex., KLUF, Inc.
a	San Antonio, Tex., The Wolmac Co.
a	Rapid City, S. Dak., Black Hills Brdestg. Co.
a	La Junta, Colo., Southwest Brdestg. Co.
a	San Antonio, Tex., Mission Brdestg. Co.
a	Fremont, Nebr., Nebraska Brdestg. Corp.
a	Berkeley, Calif., Central Calif. Broadcasters, Inc.
a	Everett, Wash., Everett Brdestg. Co., Inc.
a	Lewiston, Idaho, H. E. Studebaker.
a	Jamestown, N. Dak., Jamestown Brdestg. Co., Inc.
a	Temple, Tex., Bell Brdestg. Co.
a	Oklahoma City, Okla., Oklahoma Brdestg. Co., Inc.
a	Emporia, Kans., Emporia Brdestg. Co., Inc.
a	Tucson, Ariz., Tucson Brdestg. Co., Inc.

## BROADCASTING STATIONS BY FREQUENCIES

KVFD	G	250	a	Fort Dodge, Iowa, Northwest Brdcstg. Co.
KVGB	....	250	a	Great Bend, Kans., Helen Townsley.
KVRS	....	250	a	Rock Springs, Wyo., Wyoming Brdcstg. Co.
KWLK	....	250	a	Longview, Wash., Twin City Brdcstg. Corp.
KWYO	....	250	a	Sheridan, Wyo., Big Horn Brdcstg. Co., Inc.
KYAN	P	250	z	Cheyenne, Wyo., Western Brdcstg. Co. of Wyo.
WABY	BM	250	a	Albany, N. Y., Adirondack Brdcstg. Co., Inc.
WAGF	....	250	a	Dothan, Ala., Dothan Brdcstg. Co.
WARM	P	250	z	Scranton, Pa., Union Brdcstg. Co.
WATL	M	250	a	Atlanta, Ga., Altanta Brdcstg. Co.
WATW	....	250	a	Ashland, Wis., WJMS, Inc.
WBLK	N	250	a	Clarksburg, W. Va., Charleston Brdcstg. Co.
WBNY	2	250	a	Buffalo, N. Y., Roy L. Albertson.
WBTH	....	250	a	Williamson, W. Va., Williamson Brdcstg. Corp.
WBTM	....	250	z	Danville, Va., Piedmont Brdcstg. Corp.
WCBI	....	250	a	Columbus, Miss., Birney Imes.
WCBM	....	250	a	Baltimore, Md., Baltimore Brdcstg. Corp.
WCNC	....	250	z	Elizabeth City, N. C., Albermarle Brdcstg. Co.
WCOS	....	250	z	Columbia, S. C., Carolina Adv. Corp.
WDAS	....	250	a	Philadelphia, Pa., WDAS, Brdcstg. 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	M	250	a	Easton, Pa., Associated Broadcasters, Inc.
WFOR	....	250	a	Hattiesburg, Miss., Forrest Brdcstg. Co., Inc.
WFTL	....	250	a	Fort Lauderdale, Fla., Tom M. Byran.
WGBR	....	250	a	Goldsboro, N. C., Eastern Carolina Brdcstg. Co.
WGIL	....	250	a	Galesburg, Ill., Galesburg Brdcstg. Co.
WGRC	M	250	a	New Albany, Ind., North Side Brdcstg. Corp.
WHBQ	....	250	a	Memphis, Tenn., WHBQ, Inc.
WHDF	....	250	a	Calumet, Mich., Upper Mich. Brdcstg. Co.
WHKY	....	250	a	Hickory, N. C., Catawba Valley Brdcstg. Co., Inc.
WHLB	C	250	a	Virginia, Minn., Head of the Lakes Brdcstg. Co.
WHUB	....	250	a	Cookeville, Tenn., WHUB, Inc.
WHYN	P	250	z	Holyoke, Mass., Hampden-Hampshire Corp.
WINC	P	250	z	Winchester, Va., Richard Field Lewis.
WJAC	R	250	a	Johnstown, Pa., WJAC, Inc.
WJHO	....	250	a	Opelika, Ala., Opelika-Auburn Brdcstg. Co.
WJLB	....	250	a	Detroit, Mich., John L. Booth Brdcstg., Inc.
WKMO	P	250	z	Kokomo, Ind.
WKPT	N	250	a	Kingsport, Tenn., Kingsport Brdcstg. Co., Inc.
WKWK	P	250	z	Wheeling, W. Va.
WLLH	Sx	10-100	a	Lawrence, Mass., Merrimac Brdcstg. Co., Inc.
WLLH	MS	250	a	Lowell, Mass., Merrimac Brdcstg. Co., Inc.
WMAN	....	250	a	Mansfield, Ohio, Richland, Inc.
WMBR	C	250	a	Jacksonville, Fla., Florida Brdcstg. Co.
WMFD	....	250	a	Wilmington, N. C., Richard A. Dunlea.
WMGA	....	250	z	Moultrie, Ga., Frank R. Pidcock, Sr.
WMIN	....	250	a	St. Paul, Minn., WMIN Brdcstg. Co.
WMSL	E	250	a	Decatur, Ala., Tenn. Valley Brdcstg. 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	MN	250	a	Augusta, Maine, WRDO, Inc.
WRJN	....	250	a	Racine, Wis., Racine Brdcstg. Corp.
WSAU	....	250	a	Wausau, Wis., Northern Brdcstg. Co., Inc.
WSLB	....	250	a	Ogdensburg, N. Y., St. Lawrence Brdcstg. Corp.
WSVS	G2	250	e	Buffalo, N. Y., Board of Education.
WTCM	....	250	a	Traverse City, Mich., Midwestern Brdcstg. Co.
NEAJ	....	100	z	Navojoa, Son.
NEAM	....	250	z	Matamoros, Tam.
NEDE	....	100	z	Torreón, Coah.
NEF	....	100	a	Juarez, Chih., Gilberto Gil.
NEI	....	250	a	Morelia, Micho., Carlos Gutierrez M.
NEJA	....	100	z	Jalapa, Ver. C.
XFKI	....	250	z	Acapulco, Gro.
NEMH	....	100	z	Merida, Yuc.
NEPF	....	100	z	Ensenada, B. Cfa.
XEWE	....	100	z	Silao, Gto.
XFXM	....	250	z	Guadalajara, Jal.
XEXQ	....	100	z	San Luis Potosi, S.L.P.
VV1RC	....	600	a	Maracaibo Venez., "La Voz de la Fe."
VV4RE	....	200	a	Valencia, Venez., "Radio Valencia."
YV6RA	....	250	a	Bolivar, Venez., "Ecos del Orinoco."
.....	P	250	z	Clarksville, Tenn., Wm. D. Hudson.

### 1410 kcs. (212.5 m.)

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

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## BROADCASTING STATIONS BY FREQUENCIES

KERN	BE	1000
KQV	....	1000
WALA	....	5000
WING	N	5000
WKBH	C	5000
WNBC	B	1000(5)
XEBS	....	750
XELC	....	250
XERY	....	500

a	Bakersfield, Calif., McClatchy Brdcastg. Co.
a	Pittsburgh, Pa., KQV Brdcastg. Co.
a	Mobile, Ala., Pape Brdcastg. Co.
a	Dayton, Ohio, Great Trails Brdcastg. Corp.
a	La Crosse, Wis., WKBH, Inc.
a	New Britain, Conn., State Brdcastg. Corp.
z	Mexico City, D. F.
z	Laredo, Tam.
z	Agua Prieta, Son.

### 1420 kcs. (211.1 m.)

CMBD	2	250
CMCO	2	250
KABR	....	5000
KLRA	C	5000
KUJ	....	1000
WFCI	P	1000
WHK	BKM	5000
WODM	D	1000
WWSR	DP	1000
XEDS	....	500
XESJ	....	1000

z	Havana, Cuba, Luiz Perez Marcia.
a	Havana, Cuba, Calle Vista Alegre.
a	Aberdeen, S. Dak., Aberdeen Brdcastg. Co.
a	Little Rock, Ark., Arkansas Brdcastg. Co.
a	Walla Walla, Wash., KUJ, Inc.
z	Pawtucket, R. I., Pawtucket Brdcastg. Co.
a	Cleveland, Ohio, United Brdcastg. Co.
f	St. Albans, Vt., Regan & Bostwick.
z	St. Albans, Vt., Vermont Radio Corp., Inc.
z	Mazatlan, Sin.
z	Saltillo, Coah.

### 1430 kcs. (209.7 m.)

CMKZ	....	250
KLO	BEM	5000
KTUL	C	5000
WARD	2a	500
WBBC	2a	500
WIRE	MR	5000
WLTH	2	500
WVFW	2a	500
XEAO	....	100
XECZ	....	1000
XEOK	....	100
YV4RL	....	800

z	Palma Soriano, Cuba, Joaquin Venero Obregon.
a	Ogden, Utah, Interstate Brdcastg. Corp.
a	Tulsa, Okla., Tulsa Brdcastg. Co., Inc.
a	Brooklyn, N. Y., United States Brdcastg. Corp.
a	Brooklyn, N. Y., Brooklyn Brdcastg. Corp.
a	Indianapolis, Ind., Indianapolis Brdcastg., Inc.
a	New York, N. Y., WLTH-New York, Inc.
a	Brooklyn, N. Y., Paramount Brdcastg. Corp.
z	Villa Acuna, Coah.
z	San Luis Potosi, S.L.P., Teperino Z. Jiminez.
z	Progreso, Yuc., Arturo Pina Perez.
a	Maracay, Venez., "Radio Maracay".

### 1440 kcs. (208.2 m.)

CMGH	....	500
CMJJ	....	250
KFIM	....	500
KGNC	M	1000(5)
KMED	N	1000
WAAB	EM	1000
WHCM	....	500(1)
WHUS	....	500(1)
WROK	M	500(1)
WSFA	E	500(1)
XEFI	....	1000
XELZ	....	1000
XERT	....	500

a	Matanzas, Cuba, "Rialto".
a	Ciego de Avila, Cuba, Gilberto Gesse Lopez.
a	Grand Forks, N. Dak., University of N. Dak.
a	Amarillo, Tex., Plains Radio Brdcastg. Co.
b	Medford, Ore., Mrs. W. J. Virgin.
a	Boston, Mass., The Yankee Network, Inc.
a	Bay City, Mich., Bay Brdcastg. Co., Inc.
a	Bluefield, W. Va., Daily Telegram Ptg. Co.
a	Rockford, Ill., Rockford Broadcasters, Inc.
a	Montgomery, Ala., Montgomery Brdcastg. Co., Inc.
a	Chihuahua, Chih., Feliciano Lopez Islas.
z	Mexico City, D.F., Maria Gardena de Tetina.
z	Tijuana, B. Cfa.

### 1450 kcs. (206.8 m.)

CFLC	....	100
CHLN	....	100
CKCA	F	100(25)
CKLN	F	100
CMAB	....	250
CMHM	....	250
MNR	....	500
KABC	M	250
KATE	E	250
KRPS	4	250
KCMC	M	250
KDNT	....	250
KEUR	EM	250
KFAM	EN	250
KFBC	....	250
KFIZ	E	250
KFMR	....	250
KFVN	P	250
KGFF	EM	250
KGIW	3	250
KGLH	EN	250
KIDW	3	250
KIRM	....	250
KMYC	....	250
KNET	....	250

a	Prescott, Ont., Radio Ass'n of Prescott.
a	Three Rivers, P.Q., Three Rivers le Nouvelliste.
a	Kenora, Ont., Kenora Brdcastg. Co., Ltd.
a	Nelson, B. C., News Pub., Co., Ltd.
z	Pinar del Rio, Cuba, Hotel Ricardo.
z	Cienfuegos, Cuba.
b	Tegucigalpa, Honduras, "La Voz de Honduras".
a	San Antonio, Tex., Alamo Brdcastg. Co., Inc.
a	Albert Lea, Minn., Albert Lea Austin Brd. Co. Inc.
a	Portland, Ore., Benson Polytechnic School.
a	Texarkana, Tex., KCMC, Inc.
a	Denton, Tex., Harwell V. Shepard.
a	Price, Utah, Eastern Utah Brdcastg. Co.
a	St. Cloud, Minn., The Times Pub. Co.
a	Cheyenne, Wyo., Frontier Brdcastg. Co.
a	Fond du Lac, Wis., Reporter Printing Co.
z	San Diego, Calif.
z	Las Vegas, Nev.
a	Shawnee, Okla., KGFF Brdcastg. Co., Inc.
a	Alamosa, Colo., E. L. Allen.
a	Safford, Ariz., Gila Brdcastg. Co.
a	Lamar, Colo., Lamar Brdcastg. Co.
a	La Grande, Ore., Harold M. Finley.
a	Marysville, Calif., Marysville-Yuba City Brdcastrs, Inc.
z	Palestine, Tex.

## BROADCASTING STATIONS BY FREQUENCIES

KORE	M	250	a	Eugene, Ore., Eugene Broadcast Station.
KRBC	M	250	a	Abilene, Tex., Reporter Brdctsg. Co.
KRBM	EN	250	a	Bozeman, Mont., KRBM Broadcasters.
KRIC	....	250	z	Beaumont, Tex., KRIC, Inc.
KRLH	....	250	z	Midland, Tex., Clarence Scharbaur.
KSAN	....	250	a	San Francisco, Calif., Golden Gate Brdctsg. Corp.
KTRI	....	250	f	Sioux City, Iowa, Sioux City Brdctsg. Co.
KVAK	....	250	a	Atchison, Kans., Carl Latenser.
KWAL	....	250	a	Wallace, Idaho, C. Howarth and C. Berger.
KWBG	....	250	a	Hutchinson, Kans., Nations Center Brdct. Co., Inc.
KXL	4	250	b	Portland, Ore., KXL Broadcasters.
TGO	....	200	a	Quezaltenango Guatemala, Director of Elec. Comm.
WACO	M	250	b	Waco, Tex., Frontier Brdctsg. Co., Inc.
WAGM	....	250	a	Presque Isle, Maine, Aroostook Brdctsg. Corp.
WAOV	P	250	z	Vincennes, Ind., Vincennes News Papers, Inc.
WAZL	M	250	a	Hazelton, Pa., Hazelton Brdctsg. Service, Inc.
WCBS	N	250	a	Springfield, Ill., WCBS, Inc.
WCHV	....	250	a	Charlotttsville, Va., Community Brdctsg. Corp.
WEED	....	250	a	Rocky Mount, N. C., Wm. Avera Wynne.
WFMJ	....	250	a	Youngstown, Ohio, Wm. F. Maag, Jr.
WFPG	....	250	a	Atlantic City, N. J., Neptune Brdctsg. 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 Brdctsg. Co., Inc.
WHDL	....	250	a	Olean, N. Y., WHDL, Inc.
WHFC	....	250	a	Cicero, Ill., WHFC, Inc.
WHLN	P	250	z	Harlan, Ky., Blanford Radio Co., Inc.
WHLS	....	250	a	Port Huron, Mich., Port Huron Brdctsg. Co.
WHMA	....	250	a	Anniston, Ala., Harry M. Ayers.
WIBM	B	250	a	Jackson, Mich., WIBM, Inc.
WILM	....	250	a	Wilmington, Del., Delaware Brdctsg. Co.
WJMS	....	250	a	Ironwood, Mich., WJMS, Inc.
WKEU	....	250	a	Griffin, Ga., Station WKEU.
WKIP	....	250	a	Poughkeepsie, N. Y., Poughkeepsie Brdctsg. Corp.
WLAP	M	250	a	Lexington, Ky., Amercian Brdctsg. Corp.
WLEU	B	250	a	Erie, Pa., WLEU Brdctsg. Corp.
WLPM	....	250	a	Suffolk, Va., Suffolk Brdctsg. Corp.
WMAS	C	250	a	Springfield, Mass., WMAS, Inc.
WMBH	....	250	a	Joplin, Mo., Joplin Brdctsg. Co.
WMDF	P	250	z	Greenwood, S. C., Grenco, Inc.
WMFJ	N	250	a	Daytona Beach, Fla., W. Wright Esch.
WMSD	....	250	a	Muscle Shoals City, Ala., Muscle Shoals Brd. Corp.
WMVA	P	250	z	Martinsville, Va., Martinsville Brdctsg. Co.
WMWH	P	250	z	Augusta, Ga., W. Montgomery Harison
WNAB	P	250	z	Bridgeport, Conn., Harold Thomas
WNOE	....	250	a	New Orleans, La., WNOE, Inc.
WOC	....	250	a	Davenport, Iowa, Tri-City Brdctsg. Co.
WPAD	....	250	a	Paducah, Ky., Paducah Brdctsg. Co.
WPAR	C	250	a	Parkersburg, W. Va., Ohio Valley Brdctsg. Corp.
WRLC	P	250	z	Toccoa, Ga., R. G. Le Tourneau
WSLI	....	250	a	Jackson, Miss., Standard Life Brdctsg. Co.
WSPB	....	250	a	Sarasota, Fla. WSPB, Inc.
WWDC	P	250	z	Washington, D. C., Capital Brdctsg. Co.
XEBJ	....	100	a	Victoria, Tam., Fernando Elizalde.
XEBO	....	100	z	Torreon, Coah., Maria Refugio Acosta.
XEDI	....	100	z	Magdalena, Son.
XFFK	....	100	z	Merida, Yuc., Manuel Zapata Espinosa.
XFGC	....	100	z	Zamora, Micho., Guillermo Calzada.
XETX	....	250	z	Aguascalientes, Ags.
XEPP	....	100	z	Orizaba, Ver.
XERK	....	100	z	Tepic, Nay.
XEXE	....	100	z	Texcoco, Mex.
XEXP	....	100	z	Matamoros, Tam.
XEY	....	250	z	San Luis Rio Colorado, Son.

### 1460 kcs. (205.4 m.)

CIGX	F	1000	a	Yorkton, Sask., Yorkton Brdctsg. Co., Ltd.
CMCG	....	250	a	Havana, Cuba, "La Onda", S.A.
CMKO	E	500	z	Santiago de Cuba, Cadena Azul.
KGNF	D	1000	a	North Platte, Nebr., Great Plains Brdctsg. Co.
KINY	....	1000	a	Juneau, Alaska, Edwin A. Kraft.
KSO	BM	1000(5)	a	Des Moines, Iowa, Iowa Brdctsg. 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.
WMPB	M	500	a	Memphis, Tenn., Memphis Comm. Appeal.
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	B	1000
WBIG	C	5000
WCBA	a	1000
WMBD	C	1000(5)
WSAN	Na	1000
XEAU	....	5000
XESM	....	1000
YV3RE	....	300

a	Timmins, Ont., R. H. Thomson.
a	Cardenas, Cuba, Genaro Sebater.
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.
a	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.
a	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)
KGCX	F	1000
KIEM	M	500
KTBS	N	1000
WAGA	B	500
WGAR	C	1000(5)
WHOM	....	500(1)
WSAR	M	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.
f	Fall River, Mass., Doughty & Welch Elec. Co., Inc.

### 1490 kcs. (201.2 m.)

CFRC	F	100
CHLP	F	100
CJIC	F	100
CMCA	2	250
CMKF	....	250
CMOX	2	250
KAWM	....	250
KBIX	EM	250
KBKR	....	250
KBST	....	250
KBUR	P	250
KDAL	C	250
KDB	EM	250
KDRO	....	250
KEYS	P	250
KGFI	....	250
KGKB	....	250
KGKY	....	250
KNEL	....	250
KNOW	M	250
KONB	P	250
KOTN	....	250
KOVC	....	250
KPAB	....	250
KPLC	....	250
KPLT	....	250
KPQ	M	250
KRRR	M	250
KSAM	....	250
KTOH	....	250
KVOE	M	250
KVWC	....	250
KWEW	....	250
KXO	M	250
KYCA	E	250
WBAB	C	250
WBOC	....	250
WBTA	P	250
WDAN	....	250
WDRC	P	250
WDNC	C	250
WERC	C	250
WGAL	MN	250
WGKY	N	250
WGTC	D	250
WHBB	....	250
WIGM	P	250

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.
a	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., Drollich Bros.
z	Corpus Christi, Tex., Nueces Brdcastg. Co.
z	Brownsville, Tex.
z	Tyler, Tex.
a	Scottsbluff, Nebr., Hilliard Co.
a	Brady, Tex., Y. L. Burns.
a	Austin, Tex., Frontier Brdcastg. Co., Inc.
z	Omaha, Nebr., MSB Brdcastg. Co.
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.
a	Paris, Tex., North Texas Brdcastg. Co.
a	Wenatchee, Wash., Wescoast Brdcastg. Co.
a	Roseburg, Ore., News-Review Pub. Co.
z	Huntsville, Tex.
a	Lihue, Hawaii, Garden Island Pub. Co., Ltd.
z	Santa Ana, Calif., Voice of the Orange Empire, Inc.
z	Vernon, Tex., Northwestern Brdcastg. Co.
a	Hobbs, N. Mex., W. E. Whitmore.
a	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.
a	Durham, N. C., Durham Radio Corp.
a	Erie, Pa., Presque Isle Brdcastg. Co.
a	Lancaster, Pa., WGAL, Inc.
z	Charleston, W. Va., Kanawah Valley Brdcastg. Co.
a	Greenville, N. C., Greenville Brdcastg. Co.
a	Selma, Ala., Selma Brdcastg. Co., Inc.
z	Medford, Wis.

## BROADCASTING STATIONS BY FREQUENCIES

WJBK	....	250		a	Detroit, Mich., J. F. Hopkins, Inc.
WKBB	N	250		a	Dubuque, Iowa, Sanders Bros.
WKBV	....	250		a	Richmond, Ind., Knox Radio Corp.
WKBZ	....	250		a	Muskegon, Mich., Ashbacker Radio Corp.
WKNY	....	250		a	Kingston, N. Y., Kingston Brdcastg. Corp.
WKRO	P	250		z	Cairo, Ill., Oscar C. Hirsch.
WMJM	....	250		a	Cordele, Ga., Cordele Dispatch Pub. Co., Inc.
WMOG	....	250		a	Brunswick, Ga., Coastal Brdcastg. Co.
WMRC	....	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	M	250		a	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	M	250		a	Rutland, Vt., Philip Weiss Music Co.
WTMC	....	250		a	Ocala, Fla., Ocala Brdcastg. Co., Inc.
WTMV	....	250		a	East St. Louis, Ill., Miss. Valley Brdcastg. Co., Inc.
WWSW	....	250		a	Pittsburgh, Pa., Walker & Downing Radio Corp.
XECH	....	250		z	Toluca, Mex.
XEDR	....	100		z	Guaymas, Son., Modeste Ortega.
XEGT	....	100		z	Guadalajara, Jal.
XETR	....	100		z	Parral, Chih.
XETR	....	100		z	Madero, Tam.
XEXF	....	100		z	Veracruz, Ver. C.
XEXU	....	100		z	Saltillo, Coah.
YV4RR	....	500		a	Puerto Cabello, Venez., "Radio Pto. Cabello".
.....	P	250		z	Natchez, Miss., Natchez Brdcastg. Co.
<b>1500 kcs. (199.9 m.)</b>					
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.
YV1RA	....	150		a	Maracaibo, Venez., "Ecos del Zulia".
<b>1510 kcs. (198.6 m.)</b>					
KGa	BM	10000		a	Spokane, Wash., Louis Wasmer.
WLAC	C	50000		a	Nashville, Tenn., WLAC Brdcastg. Serv.
WMEX	....	5000		a	Boston, Mass., The Northern Corp.
<b>1520 kcs. (197.3 m.)</b>					
KOMA	C	50000		a	Oklahoma City, Okla., KOMA, Inc.
TGW	....	5000		e	Guatemala City, Guat., Radiodifusora Nacional
WHIP	D	5000		z	Hammond, Ind., Hammond-Calumet Brdcastg. Corp.
WKBW	CM	50000		a	Buffalo, N. Y., Buffalo Brdcastg. Corp.
WPRP	....	1000(5)		a	Ponce, Puerto Rico, Julio M. Conesa
<b>1530 kcs. (196 m.)</b>					
KFBK	BE	10000		a	Sacramento, Calif., McClatchey Brdcastg. Co.
WCKY	C	50000		a	Cincinnati, Ohio, L. B. Wilson, Inc.
<b>1540 kcs. (194.7 m.)</b>					
CMBH	....	5000		e	Havana, Cuba, Alberto Alvarez
<b>1550 kcs. (193.4 m.)</b>					
.....	P	20000		z	Mexico City, D. F.
<b>1560 kcs. (112.2 m.)</b>					
CMHD	....	250		d	Caibarien, Cuba, Manuel Alvarez M.
WQXR	....	10000		a	New York, N. Y., Interstate Brdcastg. Co.
<b>1570 kcs. (191.0 m.)</b>					
CFPL	F	1000		a	London, Ont., London Free Press
XEAW	....	100000		a	Monterrey, N. L.
<b>1580 kcs. (189.8 m.)</b>					
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  
— WHMA 1450  
Birmingham  
— WAPI 1070  
— WBRC 960  
— WSGN 1340  
Decatur  
— WMSL 1400  
Dothan  
— WAGF 1400  
Gadsden  
— WJBY 1240  
Huntsville  
— WBHP 1230  
Mobile  
— WALA 1410  
— WMOB 1230  
Montgomery  
— WCOV 1240  
— WSFA 1440  
Muscle Shoals  
City  
— WMSD 1450  
Opelika  
— WJHO 1400  
Selma  
— WHBB 1490  
Tuscaloosa  
— WJRD 1230

### ALASKA

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

### ARIZONA

Globe  
— KWJB 1240  
Jerome  
— KCRJ 1340  
Lowell  
KSUN 1230  
Phoenix  
— KOY 550  
— KPFO 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  
— KTHS 1090  
— KWFC 1340

Jonesboro  
— KBTM 1230

Little Rock  
— KARK 920  
— KGIH 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  
— KHSL 1290

El Centro  
KXO 1490

Eureka  
KIEM 1480

Fresno  
— KARM 1340  
— KMJ 580

Glendale  
KIEV 870

Long Beach  
— KFOX 1280  
— KGER 1390

Los Angeles  
— KECA 790  
— KFAC 1330  
— KFI 640  
— KFSG 1150  
— KFVD 1020  
— KFVB 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  
— KFRC 610  
— KGO 810  
— KJBS 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 " "  
— KVOD 630

Durango  
— KIUP 1400

Grand  
Junction  
— KFXJ 1230

Greeley  
— KFKA 910

La Junta  
— KOKO 1400

Lamar  
— KIDW 1450

Pueblo  
— KGHF 1350

Sterling  
— KGEK 1230

### CONNECTICUT

Bridgeport  
WICC 600  
WNAB 1450

Hartford  
WDRC 1360  
WTIC 1080  
WTHT 1230

New Britain  
WNBC 1410

New Haven  
WELI 960

New London  
— WNLC 1490

Waterbury  
WATR  
WBRY 1590

### DELAWARE

Wilmington  
WDEL 1150  
WILM 1450

### DISTRICT OF COLUMBIA

Washington  
WINX 1340  
— WJSV 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 850

Jacksonville  
— WJAX 930

— WJHP 1320  
— WMBR 1400

Lakeland  
— WLAK 1340

Miami  
— WIOD " "  
— WQAM 560

Miami Beach  
— WKAT 1360

Ocala  
WTMC 1490

Orlando  
WDBO 580  
— WLOF 1230

Panama City  
WDLF 1230

Pensacola  
— WCOA 1370

St. Augustine  
— WFOY 1240

St. Petersburg  
— WSUN " "  
— WTSP 1380

Sarasota  
— WSPB 1450

Tallahassee  
— WTAL 1340

Tampa  
— WDAE " "  
— WFLA 970

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 " "  
— WMWH 1450  
— WRDW 1490

Brunswick  
WMOG 1490

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  
WPAX 1240  
Toccoa  
WRLC 1450  
Valdosta  
-WGOV 14  
Waycross  
-WAYZ 1230  
West Point  
WDAK 1340

### HAWAII

Hilo  
-KHBC 1230  
Honolulu  
-KGM 590  
-KGU 760  
KHON 1310  
Lihue  
-KTOH 1490

### IDAHO

Boise  
-KIDO 1380  
Idaho Falls  
KID 1350  
Lewiston  
KRLC 1400  
Nampa  
KF XD 1230  
Pocatello  
-KSEI 930  
Twin Falls  
KTFI 1270  
Wallace  
KWAL 1450

### ILLINOIS

Aurora  
WMRO 1280  
Bloomington  
-WJBC 1230  
Cairo  
WKRO 1490  
Carthage  
-WCAZ 1080  
Champaign  
-WDWS 1400  
Chicago  
-WAAF 950  
-WBBM 780  
-WCB D 1110  
-WCFL 1000

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

Cicero  
-WHFC 1450  
Danville  
-WDAN 1490  
Decatur  
-WSOY 1340  
East St. Louis  
-WTMV 1490  
Galesburg  
-WGIL 1400  
Harrisburg  
-WEBQ 1240  
Herrin  
-WJPF 1340  
Joliet  
WCLS 1340  
Peoria  
-WMBD 1470  
Quincy  
-WTAD 930  
Roc-ford  
WROK 1440  
Rock Island  
-WHBF 1270  
-WCBS 1450  
-WTAX 1240  
Tuscola  
-WDZ 1050  
Urbana  
WILL 580

### INDIANA

Anderson  
-WBHU 1240  
Elkhart  
-WTRC 1340  
Evansville  
-WEOA 1400  
-WGBF 1280  
Fort Wayne  
-WGL 1450  
-WOWO 1190  
Gary  
-WIND 560  
Hammond  
-WHIP 1520  
-WJOB 1230  
Indianapolis  
-WFBM 1260  
WIBC 1070  
-WIRE 1430  
WISH 1310  
Kokomo  
WKMO 1400  
Muncie  
-WLBC 1340  
New Albany  
-WGRC 1400  
Richmond  
-WKBV 1490  
South Bend  
WSBT 960

Terre Haute  
-WBOW 1230  
Vincennes  
-WAOV 1450  
West Lafayette  
WBAA 920

### IOWA

Ames  
WOI 640  
Boone  
-KFGQ 1400  
Burlington  
KBUR 1490  
Cedar Rapids  
-WMT 600  
Davenport  
-WOC 1450  
Decorah  
-KWLC 1240  
Des Moines  
-KRNT 1350  
-KSO 1460  
-WHIO 1040  
Dubuque  
KDTH 1370  
-WKBB 1490  
Fort Dodge  
KVFD 1490  
Iowa City  
-WSUI 910  
Marshalltown  
-KFJB 1230  
Mason City  
-KGLO 1300  
Ottumwa  
KBIZ 1240  
Shenandoah  
-KFNF 920  
-KMA 960  
Sioux City  
-KSCJ 1360  
-KTRI 1450

### KANSAS

Atchinson  
-KVAK 1450  
Coffeyville  
-KGGF 690  
Dodge City  
-KGNO 1370  
Emporia  
-KTSW 1400  
Garden City  
-KIUL 1240  
Great Bend  
-KVBG 1400  
Hutchinson  
-KWBG 1450  
Kansas City  
-KCKN 1340  
Lawrence  
-KFKU 1250  
-WREN 1250  
Manhattan  
-KSAC 580  
Pittsburg  
-KOAM 810

Salina  
-KSAL 1150  
Topeka  
-WIBW 580  
Wichita  
-KANS 1240  
-KFBI 1070  
-KFH 1330

### KENTUCKY

Ashland  
-WCM1 1340  
Bowling Green  
-WLBj 1340  
Harlan  
WHLN 1450  
Hopkinsville  
WHOP 1230  
Lexington  
-WLAP 1450  
Louisville  
-WAVE 970  
-WHAS 840  
-WINN 1240  
Owensboro  
-WOMI 1490  
Paducah  
-WPAD 1450

### LOUISIANA

Alexandria  
-KALB 1240  
Baton Rouge  
-WJBO 1150  
Lafayette  
-KVOL 1340  
Lake Charles  
-KPLC 1490  
Monroe  
-KMLB 1230  
New Orleans  
-WDSU 1280  
-WIBW 1230  
-WNOE 1450  
-WSMB 1350  
-WWL 870  
Shreveport  
-KRMD 1340  
-KTBS 1480  
-KWKH 1030

### MAINE

Augusta  
WROD 1400  
Bangor  
WABI 1230  
WLBZ 620  
Lewiston  
WCOU 1240  
Portland  
WCSH 970  
WGAN 560  
Presque Isle  
WAGM 1450

### MARYLAND

Baltimore  
-WBAL 1090

-WCAO 600  
-WCBM 1400  
-WFBR 1300  
-WITH 1230  
Cumberland  
WTBO 820  
Frederick  
WFMD 930  
Hagerstown  
WJEJ 1240  
Salisbury  
WBOC 1490

### MASSACHUSETTS

Boston  
WAAB 1440  
-WBZ 1030  
-WCOP 1150  
-WEEL 590  
-WHDH 850  
-WMEX 1510  
-WNAC 1260  
-WORL 950  
Fall River  
WSAB 1480  
Greenfield  
-WHAI 1240  
Holyoke  
WHYN 1400  
Hyannis  
WOCB 1240  
Lawrence  
WLAW 680  
WLLH 1400  
Lowell  
WLLH 1400  
New Bedford  
-WNBH 1340  
Pittsfield  
-WBRK 1340  
Salem  
WESX 1230  
Springfield  
WBZA 1030  
-WMAS 1450  
-WSPR 1270  
Worcester  
WMAW 1230  
WOCR 1310  
WTAG 580

### MICHIGAN

Battle Creek  
-WEIL 1400  
Bay City  
-WBCM 1440  
Calumet  
-WHDF 1400  
Detroit  
-WIBK 1490  
-WTLB 1400  
-WIR 760  
-WVII 950  
-WXYZ 1270  
-WMOB  
East Lansing  
WKAR 870  
Escanaba  
WDAR 1490



## BROADCASTING STATIONS BY LOCATIONS

**Flint**  
 — WDFD 910  
**Grand Rapids**  
 — WASH 1300  
 WGRB 1230  
 WLAV 1340  
 — WOOD 1300  
**Ironwood**  
 — WJMS  
**Jackson**  
 — WIBM 1450  
**Kalamazoo**  
 WKZO 590  
**Lansing**  
 WJIM 1240  
**Lapeer**  
 — WMPC 1230  
**Marquette**  
 — WDMJ 1340  
**Muskegon**  
 — WKBZ 1490  
**Pontiac**  
 — WCAR 1130  
**Port Huron**  
 — WHLS 1450  
**Royal Oak**  
 — WEXL 1340  
**Saginaw**  
 WHAL 980  
 WSAM 1230  
**Sault Ste. Marie**  
 WSOO 1230  
**Traverse City**  
 WTCM 1400  


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**MINNESOTA**  


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**Albert Lea**  
 — KATE 1450  
**Duluth**  
 — KDAL 1490  
 WEBC 1320  
**Fergus Falls**  
 KGDE 1230  
**Hibbing**  
 — WMFG 1240  
**Mankato**  
 — KYSM 1230  
**Minneapolis**  
 — WCCO 830  
 — WDGY 1130  
 — WLB 770  
 — WLCL 1330  
 — WTCN 1280  
**Moorhead**  
 — KVOX 1340  
**Northfield**  
 — WCAL 770  
**Rochester**  
 — KROC 1340  
**St. Cloud**  
 — KFAM 1450  
**St. Paul**  
 — KSTP 1500  
 — WMIN 1400

**Virginia**  
 — WHLB 1400  
**Willmar**  
 — KWLM 1340  
**Winona**  
 — KWNO 1230  


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**MISSISSIPPI**  


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**Columbus**  
 — WCBI 1400  
**Greenville**  
 — WJPR 1340  
**Greenwood**  
 — WGRM 1240  
**Gulfport**  
 — WGCM 1240  
**Hattiesburg**  
 — WFOR 1400  
**Jackson**  
 — WJDX 1300  
 — WSLI 1450  
**Laurel**  
 — WAML 1340  
**McComb**  
 — WSKB 1230  
**Meridian**  
 — WCOC 910  
**Vicksburg**  
 — WQBC 1390  


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**MISSOURI**  


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**Cape Girardeau**  
 — KFVS 1400  
**Clayton**  
 — KFUE 850  
**Columbia**  
 KFRU 1400  
 Hannibal  
 — KHMO 1340  
 Jefferson City  
 — KWOS 1340  
**Joplin**  
 — WMBH 1450  
**Kansas City**  
 — KCMO 1480  
 — KITE 1590  
 — KMBC 980  
 — WDAF 610  
 — WHB 880  
**Poplar Bluff**  
 — KWOC 1340  
**St. Joseph**  
 — KFEQ 680  
**St. Louis**  
 — KMOX 1120  
 — KSD 550  
 — KWK 1380  
 — KXOK 630  
 — WEW 770  
 — WIL 1230  
**Sedalia**  
 — KDRO 1490  
**Springfield**  
 — KGBX 1260  
 — KWTO 560  


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**MONTANA**  


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**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**  
 — KGCC 1480  


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**NEBRASKA**  


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**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  
 — KONB 1490  
 — KOWH 660  
 — WOW 590  
**Scottsbluff**  
 — KGKY 1490  


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**NEVADA**  


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**Las Vegas**  
 — KENO 1400  
 KFUN 1450  
**Reno**  
 — KOH 630  


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**NEW HAMPSHIRE**  


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**Keene**  
 — WKNE 1290  
**Laconia**  
 — WLNH 1340  
**Manchester**  
 — WFEA 1370  
 — WMUR 610  
**Portsmouth**  
 — WHEB 750  


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**NEW JERSEY**  


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**Asbury Park**  
 — WCAP 1310  
**Atlantic City**  
 — WBAB 1400  
 — WFPG 1450  
**Bridgeton**  
 — WSNJ 1240

**Camden**  
 — WCAM 1310  
**Jersey City**  
 — WAAT 970  
 — WHOM 1480  
**Newark**  
 — WHBI 1280  
**Paterson**  
 — WPAT 930  
**Red Bank**  
 — WBRB 1240  
**Trenton**  
 — WTNJ 1310  
**Zarephath**  
 — WAWZ 1380  


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**NEW MEXICO**  


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**Albuquerque**  
 — KQGM 1260  
 — KOB 1030  
**Carlsbad**  
 — KAVE 1240  
**Clovis**  
 — KICA 1400  
**Gallup**  
 — KAWM 1490  
**Hobbs**  
 — KWEW 1490  
**Roswell**  
 — KGFL 1400  
**Santa Fe**  
 — KVSF 1340  


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**NEW YORK**  


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**Albany**  
 — WABY 1400  
 — WOKO 1460  
**Auburn**  
 — WMBO 1340  
**Batavia**  
 — WBTA 1490  
**Binghamton**  
 — WBNF 1490  
**Brooklyn**  
 — WARD 1430  
 — WBBC 1430  
 — WBBR 1330  
 — WCWN 1600  
 — WFWW 1430  
**Buffalo**  
 — WBEN 930  
 — WBNY 1400  
 — WEBR 1340  
 — WGR 550  
 — WKBW 1520  
 — WSVS 1400  
**Canton**  
 — WCAD 1250  
**Elmira**  
 — WENY 1230  
**Freeport**  
 — WGBT 1240  
**Ithaca**  
 — WHCU 870  
**Jamestown**  
 — WJTN 1240  
**Kingston**  
 — WKNY 1490

**Newburgh**  
 — WGNV 1250  
**New York**  
 — WABC 880  
 — WBNX 1380  
 — WEAF 660  
 — WEVD 1330  
 — WHN 1050  
 — WINS 1000  
 — WJZ 770  
 — WLTH 1430  
 — WMCA 570  
 — WNEW 1280  
 — WNYC 830  
 — WOR 710  
 — WOY 1130  
 — WQXR 1560  
**Niagara Falls**  
 — WHLD 1290  
**Ogdensburg**  
 — WSLB 1400  
**Olean**  
 — WHDL 1450  
**Plattsburg**  
 — WMFF 1340  
**Poughkeepsie**  
 WKIP 1450  
**Rochester**  
 — WHAM 1180  
 — WHEC 1460  
 — WSAY 1240  
**Salina**  
 — WAGE 620  
**Saranac Lake**  
 — WNBZ 1320  
**Schenectady**  
 — WGY 810  
**Syracuse**  
 — WBLB 1390  
 — WOLF 1490  
 — WSYR 570  
**Troy**  
 — WHAZ 1330  
 — WTRY 980  
**Utica**  
 — WIBX 1230  
**Watertown**  
 — WATN 1240  
 — WWNV 1300  
**White Plains**  
 — WFAS 1240  
**Woodside**  
 — WWRL 1600  


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**NORTH CAROLINA**  


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**Asheville**  
 — WISE 1400  
 — WWNC 570  
**Charlotte**  
 — 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  
 → KFJR 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  
 → W8XO 700  
 Cleveland  
 → WCLE 610  
 → WGAR 1480

→ WHK 1420  
 → WFAM 1100  
 Columbus  
 → WBNS 1460  
 → WCOL 1230  
 → WHKC 640  
 → WOSU 570  
 Dayton  
 → WHIO 1290  
 → WING 1410  
 Lima  
 → WLOK 1240  
 Mansfield  
 WMAN 1400  
 Marion  
 → WMRN 1490  
 Portsmouth  
 → WPAY 1400  
 Springfield  
 → WIZE 1340  
 Steubenville  
 WSTV 1340  
 Toledo  
 → WSPD 1370  
 → WTL 1230  
 Youngstown  
 WFMJ 1450  
 → WKBN 570  
 → WHIZ  
 OKLAHOMA

Ada  
 → KADA 1230  
 Ardmore  
 → KVSO 1240  
 Elk City  
 → KASA 1240  
 Enid  
 → KCRC 1390  
 Lawton  
 KSWO 1150  
 Muskogee  
 → KBIX 1490  
 Norman  
 → WNAD 690  
 Oklahoma City  
 → KOCY 1340  
 → KOMA 1520  
 → KTOK 1400  
 → WKY 930  
 Okmülgee  
 → KHBG 1240  
 Ponca City  
 → WBBZ 1230  
 Shawnee  
 → KGFF 1450  
 Tulsa  
 → KOME 1340  
 → KTUL 1430  
 → KVOO 1170

### OREGON

Albany  
 → KWIL 1240  
 Astoria  
 KAST 1230  
 Baker  
 KBKR 1490

Bend  
 KBND 1340  
 Corvallis  
 KOAC 550  
 Eugene  
 → KORE 1450  
 Grants Pass  
 KUIN 1340  
 Klamath Falls  
 → KFJI 1240  
 La Grande  
 KLBM 1450  
 Marshfield  
 KOOS 1230  
 Medford  
 KMED 1440  
 Portland  
 KALE 1330  
 KBPS 1450  
 → KEX 1190  
 → KGW 620  
 → KOIN 970  
 → KWJJ 1080  
 KXL 1450  
 Roseburg  
 KRNR 1490  
 Salem  
 → KSLM 1390  
 The Dalles  
 → KODL 1230

### PENN-SYLVANIA

Allentown  
 WCBA 1470  
 WSAN 1470  
 Altoona  
 → WFBG 1340  
 DuBois  
 WCED 1230  
 Easton  
 → WEST 1400  
 Erie  
 WEPG 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  
 WGAL 1490  
 Lewistown  
 WMRF 1490  
 New Castle  
 → WKST 1280  
 New Kensington  
 → WKPA 1150

Philadelphia  
 → KYW 1060  
 → WCAU 1210  
 → WDas 1400  
 → WFIL 560  
 → WHAT 1340  
 → WIP 610  
 → WPEN 950  
 → WTEL 1340  
 Pittsburgh  
 → KDKA 1020  
 → KOV 1410  
 → WCAE 1250  
 → WJAS 1320  
 → WWSW 1490

Reading  
 WEEU 850  
 → WRAW 1340

Scranton  
 WARM 1400  
 WGBI 910  
 WQAN 910

Sharon  
 → WPIC 790

Sunbury  
 → WKOK 1240

Uniontown  
 → WMBS 590

Wilkes-Barre  
 → WBAX 1240  
 → WBRE 1340

Williamsport  
 → WRAK 1400

York  
 WORK 1350

### PUERTO RICO

Mayaguez  
 → WPR 790  
 Ponce  
 → WPAB 1370  
 → WPRP 1520  
 San Juan  
 → WKAO 620  
 → WNEL 1320

### RHODE ISLAND

Pawtucket  
 WFIC 1420  
 Providence  
 WEAN 790  
 WIAR 920  
 WPRO 630

### SOUTH CAROLINA

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

Florence  
 WOLS 1230  
 Greenville  
 → WFBC 1330  
 → WMRC 1490  
 Greenwood  
 WMDP 1450  
 Spartanburg  
 → WORD 1400  
 → WSPA 950  
 Sumter  
 WFIG 1350

### SOUTH DAKOTA

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

### TENNESSEE

Bristol  
 → WOPI 1490  
 Chattanooga  
 → WAPO 1150  
 → WDEF 1400  
 → WDOD 1310  
 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	WISCONSIN
Abilene —KRBC 1450	KRRLH 1450	WSYB 1490	KWSC 1250	Appleton —WBHY 1230
Amarillo KFDA 1230 —KGNC 1440	Palestine —KNET 1450	St. Albans —WQDM 1420 WWSR 1420	Seattle KEVR 1400	Ashland —WATW 1400
Austin —KNOW 1490 KTBC 1150	Pampa —KPDN 1340	Waterbury WDEV 550	—KIRO 710	Eau Claire —WEAU 1070
Beaumont —KFDM 560 —KRIC 1450	Paris —KPLT 1490		—KIR 1000	Fond du Lac —KFIZ 1450
Big Spring —KBST 1490	Pecos —KIUN 1400	<b>VIRGINIA</b>	—KOL 1300	Green Bay WTAQ 1360
Brady —KNEL 1490	Port Arthur —KPAC 1250	Charlottesville WCHV 1450	—KOMO 950	Janesville —WCLO 1230
Brownsville —KGFI 1490	San Angelo —KGKL 1400	Danville —WBTM 1400	—KRSC 1150	La Crosse WKBH 1410
Brownwood KBWD 1380	San Antonio —KABC 1450 —KMAC 1400 —KONO 1400 —KTSA 550 —WOAI 1200	Fredricksburg WFVA 1290	—KTW 1250	Madison —WHA 970 WIBA 1310
College Station —WTAW 1150	Sherman —KRRV 910	Harrisonburg WSVA 550	—KXA 770	Manitowoc —WOMT 1240
Corpus Christi —KEYS 1490 —KRIS 1360	Sweetwater —KXOX 1240	Lynchburg —WLVA 1230	Tacoma —KMO 1360 —KVI 570	Marinette WMAM 570
Corsicana —KAND 1340	Temple —KTEM 1400	Martinsville WMVA 1450	Vancouver KVAN 910	Medford WIGM 1490
Dallas —KRLD 1080 —WFAA 820 —WRR 1310	Texarkana —KCMC 1450	Newport News —WGH 1340	Wenatchee KPO 1490	Milwaukee —WEMP 1340
Denton —KDNT 1450	Tyler —KGKB 1490	Norfolk —WTAR 790	Yakima —KIT 1280	—WISN 1150 —WTMJ 620
Dublin —KFPL 1340	Vernon —KVWC 1490	Petersburg WPID 1240	<b>WEST VIRGINIA</b>	Povnette —WIBU 1240
El Paso —KROD 600 —KTSM 1380	Victoria —KVIC 1340	Richmond —WBBL 1240 —WMBG 1380 —WRNL 910 —WRVA 1140	Beckley —WJLS 1240	Racine WRJN 1400
Fort Worth —KFIZ 1270 —KGKO 570 —WBAP 820	Waco —WACO 1450	Roanoke WDBI 960 WSLS 1490	Bluefield —WHIS 1440	Rice Lake —WJMC 1240
Galveston —KLUF 1400	Weslaco —WRGV 1290	Suffolk WLPN 1450	Charleston WCHS 580 WGKV 1490	Shebovgan WHBL 1330
Harlingen KGBS 1240	Wichita Falls —KWFT 620	Winchester WINC 1400	Clarksburg —WBLK 1400	Stevens Point WLBI 930
Houston —KPRC 950 —KTRH 1320 —KXYZ 1470	<b>UTAH</b>	<b>WASHINGTON</b>	Fairmont —WMMN 920	Superior WDSM 1230
Huntsville KSAM 1490	Cedar City KSUB 1340	Aberdeen —KXRO 1340	Huntington —WSAZ 930	Wausau —WSAU 1400
Kilgore —KOCA 1240	Logan KVNU 1230	Bellingham KVOS 1230	Logan WLOG 1230	Wisconsin Rapids WFHR 1340
Laredo —KPAB 1490	Ogden —KLO 1430	Centralia —KELA 1470	Morgantown WAJR 1230	<b>WYOMING</b>
Longview —KFRO 1370	Price —KEUB 1450	Everett KRKO 1400	Parkersburg —WPAR 1450	Casper —KDFN 1470
Lubbock —KFYO 1340	Provo KOVO 1240	Longview KWLK 1400	Welch —WBRW 1340	Cheyenne KFBC 1450 —KYAN 1400
Lufkin —KRBA 1340	Salt Lake City —KDYL 1320 —KSL 1160 —KUTA 570	Olympia —KGY 1240	Wheeling WKWK 1400 —WWVA 1170	Powell KPOW 1230
	<b>VERMONT</b>		Williamson —WBTH 1400	Rock Springs —KQRS 1400
	Burlington —WCAX 1230			Sheridan —KWYO 1400

## BROADCASTING STATIONS BY LOCATIONS

### CANADA

#### ALBERTA

Calgary  
 -CFAC 960  
 -CFCN 1010  
 -CJ CJ 1230  
 Edmonton  
 CFRN 1260  
 -CJCA 930  
 CKUA 580  
 Grande Prairie  
 CFGP 1340  
 Lethbridge  
 CJOC 1400

#### BRITISH COLUMBIA

Chilliwack  
 CHWK 1340  
 Kamloops  
 CFJC 910  
 Kelowna  
 CKOV 630  
 Nelson  
 CKLN 1450  
 Prince Rupert  
 CFP R 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  
 -CJRC 630  
 -CKY 990

#### NEW BRUNSWICK

Campbellton  
 CKNB 1240  
 Fredericton  
 CFNB 550  
 Moncton  
 CKCW 1400  
 Sackville  
 CBA 1070  
 St. John  
 CHSJ 1150

#### NOVA SCOTIA

Glace Bay  
 VAS 685

Halifax  
 CHNS 960

Sydney  
 CJOB 1270

Yarmouth  
 1340

#### ONTARIO

Brantford  
 CKPC 1380

Chatham  
 CFCO 630

Cobalt  
 CKMC 1240

Hamilton  
 CHML 900  
 -CKOC 1150

Kenora  
 CKCA 1450

Kingston  
 CFRC 1490

Kirkland Lake  
 CJKL 560

London  
 CFPL 1570

North Bay  
 CFCH 1230

Ottawa  
 CBO 910  
 CKCO 1340

Owen Sound  
 CFOS 1406

Port Arthur  
 CKPR 580

Prescott  
 CFLC 1450

St. Catharines  
 CKTB 1230

Sault Ste. Marie  
 CJIC 1490

Stratford  
 CJCS 1240

Sudbury  
 CKSO 790

Timmins  
 CKGB 1470

Toronto  
 -CBL 740  
 CBY 1010  
 CFRB 860  
 CKCL 580

Windsor  
 -CKLW 800

Wingham  
 -CKNX 1230

#### PRINCE EDWARD ISLAND

Charlottetown  
 CFCY 630  
 CHCK 1340

Summerside  
 CHGS 1480

#### QUEBEC

Chicoutimi  
 CBJ 1240

Hull  
 CKCH 1240

Montreal  
 CBF 690  
 CBM 940  
 CFCF 600  
 CHLP 1490  
 CKAC 730

New Carlisle  
 CHNC 610

Quebec  
 CBV 980  
 CHRC 1400  
 CKCV 1340

Rimouski  
 CJBR 900

Rouyn  
 CKRN 1400

Ste. Anne de la Pocatiere  
 CHGB 1230

Sherbrooke  
 CHLT 1240

Three Rivers  
 CHLN 1450

Val d'Or  
 CKVD 1230

#### SASKATCHEWAN

Moose Jaw  
 -CHAB 1220

Prince Albert  
 CKBI 900

Regina  
 CJRM 980  
 CKCK 620

Saskatoon  
 CFQC 600

Watrous  
 -CBK 540

Yorkton  
 CJGX 1460

CMCO 1280  
 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 1246  
 CMGH 1440

Nuevitas  
 CMJQ 1580

Palma Soriano  
 CMKZ 1430

Pinar del Rio  
 CMAB 1450  
 CMAN 1300

Placetas  
 CMHP 1320

Puerto Padre  
 CMKY 1350

Sagua la Grande  
 CMHA 1280

Sancti Spiritus  
 CMHB 1410

Santa Clara  
 CMHI 570  
 CMHN 960  
 CMHO 1250  
 -CMHQ 810

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

Trinidad  
 CMHT 990

### CUBA

Artemisa  
 CMAX 830

Banes  
 CMKX 1090

Caibarien  
 CMHD 1560

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

Cardenas  
 CMGE 1470

Ciego de Avila  
 CMJH 1370  
 CMJI 1440  
 CMJM 1270  
 CMJO 1470

Cienfuegos  
 CMHJ 1350  
 CMHN 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  
 CMB S 1330  
 CMBX 1390  
 CMBY 1110  
 CMBZ 950  
 -CMC 1360  
 CMCA 1490  
 CMCB 1390  
 CMCF 910  
 CMCG 1460  
 CMCH 1290  
 -CMCJ 1580  
 -CMCK 980  
 -CMCM 1060

CMCO 1280

CMAB 1450

CMAN 1300

CMHP 1320

CMKY 1350

CMHA 1280

CMHI 570

CMHN 960

CMHO 1250

CMHQ 810

CMKC 1250

CMKD 1290

CMKG 1050

CMKN 930

CMKQ 1460

CMKR 1390

CMKU 970

CMKW 1000

CMHT 990

CMCO 1280

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

CMKF 1490

CMKO 1220

CMKV 600

CMGN 1310

CMKE 1320

CMKM 560

CMGF 1246

CMGH 1440

CMJQ 1580

CMKZ 1430

CMAB 1450

CMAN 1300

CMHP 1320

CMKY 1350

CMHA 1280

CMHB 1410

CMHI 570

CMHN 960

CMHO 1250

-CMHQ 810

CMKC 1250

CMKD 1290

CMKG 1050

CMKN 930

CMKQ 1460

CMKR 1390

CMKU 970

CMKW 1000

CMHT 990

CMCO 1280

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

CMKF 1490

CMKO 1220

CMKV 600

CMGN 1310

CMKE 1320

CMKM 560

CMGF 1246

CMGH 1440

CMJQ 1580

CMKZ 1430

CMAB 1450

CMAN 1300

CMHP 1320

CMKY 1350

CMHA 1280

CMHB 1410

CMHI 570

CMHN 960

CMHO 1250

-CMHQ 810

CMKC 1250

CMKD 1290

CMKG 1050

CMKN 930

CMKQ 1460

CMKR 1390

CMKU 970

CMKW 1000

CMHT 990

CMCO 1280

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

CMKF 1490

CMKO 1220

CMKV 600

CMGN 1310

CMKE 1320

CMKM 560

CMGF 1246

CMGH 1440

CMJQ 1580

CMKZ 1430

CMAB 1450

CMAN 1300

CMHP 1320

CMKY 1350

CMHA 1280

CMHB 1410

CMHI 570

CMHN 960

CMHO 1250

-CMHQ 810

CMKC 1250

CMKD 1290

CMKG 1050

CMKN 930

CMKQ 1460

CMKR 1390

CMKU 970

CMKW 1000

CMHT 990

CMCO 1280

CMCQ 1420

CMCU 1190



## BROADCASTING STATIONS BY LOCATIONS

### MEXICO

#### AGUAS-CALIENTES

Agua-calientes  
 XEBI 1360  
 XEJX 1450

#### BAJA CALIFORNIA

Ensenada  
 XEPF 1400  
 Mexicali  
 XEAA 1340  
 XEAO 910  
 XECL 990

Rosarito Beach  
 XERB 1090

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

#### CAMPECHE

Campeche  
 XEA 1370

#### CHIAPAS

Tuxtla Gutierrez  
 XEXJ 1280

#### CHIHUAHUA

Camargo  
 XEDN 1270  
 Chihuahua  
 XEBU 1260  
 XEBW 1280  
 XEJI 1440  
 XEJK 1340  
 XEM 1390

Juarez  
 XEF 1400  
 XEFV 1270  
 XEJ 970  
 XEP 1300  
 XEWG 1360

Parral  
 XEAT 1250  
 XERA 1400

#### COAHUILA

Nueva Rosita  
 XEMJ 920  
 Piedras Negras  
 XEMU 580  
 Sabinas  
 XEBX 610

Saltillo  
 XEKS 1330  
 XESJ 1420  
 XEXU 1490

Torreón  
 XEBP 1260  
 XEBO 1450  
 XEDE 1400  
 XEOH 600  
 XETB 1350

Villa Acuna  
 XEAB 1600  
 XEAO 1430  
 XEDI 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  
 XERH 1500  
 XESM 1470  
 XEST 1060  
 XEW 900  
 XEXX 860

#### DURANGO

Durango  
 XEE 1280

#### GUANAJUATO

Irapuato  
 XEBO 1330  
 Leon  
 XEFM 1270  
 XERZ 550  
 Silao  
 XEWE 1400

#### GUERRERO

Acapulco  
 XEKJ 1400

#### JALISCO

Guadalajara  
 XEAD 1310  
 XED 680  
 XEDK 1250  
 XEGT 1490  
 XEHK 960  
 XEHL 1370  
 XELW 1340  
 XEKM 1400  
 Guzman  
 XEBA 1270

#### MEXICO

Texcoco  
 XEXE 1450  
 Toluca  
 XECH 1490  
 XEXS 1340

#### MICHOACAN

Morelia  
 XEBC 1270  
 XEI 1400  
 XESF 600  
 Zamora  
 XEGC 1450

#### NAYARIT

Tepic  
 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  
 XEXH 1270

#### PUEBLA

Puebla  
 XECD 1170  
 XEHR 1090

#### SAN LUIS POTOSI

San Luis Potosi  
 XEBM 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  
 XEON 1010  
 XESY 1320

Obregon  
 XEAP 1290

San Luis Rio Colorado  
 XEY 1450

#### TAMAULIPAS

Madero  
 XETR 1490

Matamoros  
 XEAM 1400  
 XEO 970  
 XEP 1450

Nuevo Laredo  
 XEBK 1340  
 XEDF 1260

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

Reynosa  
 XEAZ 1390

Tampico  
 XEAW 1340  
 XECA 810  
 XEFW 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  
 XEFB 1310  
 XETF 1250  
 XEU 960  
 XEF 1490

#### YUCATAN

Merida  
 XEFC 1340  
 XEFK 1450  
 XEME 1270  
 XEMH 1400  
 XEF 600

Progreso  
 XEOK 1430

#### ZACATECAS

Fresnillo  
 XEMA 1340  
 Zacatecas  
 XELK 1280

### NORTH AMERICA

#### BAHAMAS

Nassau  
 ZNS 790

COSTA RICA  
 Heredia  
 TI4NRH 725

#### San Jose

TIEP 830  
 TIGH 690  
 TIGPH 600  
 TIGPH2 1225  
 TING 750  
 TIPG 625

- 2NR 700

- 1YA 650  
 - 4YA 790

## BROADCASTING STATIONS BY LOCATIONS

DOMINI- CAN REPUBLIC	HONDURAS	<b>SOUTH AMERICA</b>																											
Ciudad Trujillo	Tegucigalpa HRN 1450	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border-bottom: 1px solid black;">VENEZUE- LA</td> <td style="text-align: center;">Coro YV1RW 1370</td> </tr> <tr> <td>Barcelona YV6RE 1080</td> <td>La Guaira YV5RZ 1050</td> </tr> <tr> <td>Barquisimeto YV3RA 1270</td> <td>Maracaibo YVIRA 1500 YVIRC 1400 YVIRD 1150 YVIRE 1120 YVIRK 1250</td> </tr> <tr> <td>YV3RE 1470</td> <td>Maracay YV4RD 1150 YV4RL 1430</td> </tr> <tr> <td>Bolivar YV6RA 1400</td> <td>Puerto Cabello YV4RR 1490</td> </tr> <tr> <td>Caracas</td> <td>San Cristobal YV2RB 980</td> </tr> <tr> <td>YVKA 630</td> <td>Valencia YV4RA 1350</td> </tr> <tr> <td>YV5RA 960</td> <td></td> </tr> <tr> <td>YV5RB 790</td> <td></td> </tr> <tr> <td>YV5RG 1010</td> <td></td> </tr> <tr> <td>YV5RH 720</td> <td></td> </tr> <tr> <td>YV5RI 590</td> <td></td> </tr> <tr> <td>YV5RL 1160</td> <td></td> </tr> </table>		VENEZUE- LA	Coro YV1RW 1370	Barcelona YV6RE 1080	La Guaira YV5RZ 1050	Barquisimeto YV3RA 1270	Maracaibo YVIRA 1500 YVIRC 1400 YVIRD 1150 YVIRE 1120 YVIRK 1250	YV3RE 1470	Maracay YV4RD 1150 YV4RL 1430	Bolivar YV6RA 1400	Puerto Cabello YV4RR 1490	Caracas	San Cristobal YV2RB 980	YVKA 630	Valencia YV4RA 1350	YV5RA 960		YV5RB 790		YV5RG 1010		YV5RH 720		YV5RI 590		YV5RL 1160	
VENEZUE- LA	Coro YV1RW 1370																												
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Caracas	San Cristobal YV2RB 980																												
YVKA 630	Valencia YV4RA 1350																												
YV5RA 960																													
YV5RB 790																													
YV5RG 1010																													
YV5RH 720																													
YV5RI 590																													
YV5RL 1160																													
MIQUELON																													
St. Pierre FQN 609	NEW- FOUND- LAND																												
NICARA- GUA																													
St. John's	Managua																												
VOGY 840	YNOW 1230																												
VONF 640	YNPH 660																												
VOWR 700	PANAMA																												
GUATE- MALA																													
Guatemala City	Colon																												
TGW 1520	HOK 640																												
TG1 1310																													
Quezaltenango																													
TGQ 1450																													
HAITI																													
Leogane																													
HHK 1080																													
Port-au-Prince																													
HHW 1230																													

## BROADCASTING STATIONS BY FREQUENCIES

(Concluded from Page 80)

### 1590 kcs. (188.6 m.)

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

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

### 1600 kcs. (187.4 m.)

KPMC	M	1000
WCNW	2	500
WWRL	2	500
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.

WMI on 6480 kcs. was heard giving weater reports at 10:10 p.m. (Cadorath—Man.)

WNBI on 11890 kcs. now under a special grant on a temporary basis subject to no complaints by any station having a prior claim to the channel. WNBI's assigned frequency is 11820 kcs. (RX)

WRUL relinquishes its 15250 kcs. channel to WLWO while acquiring 15350 kcs., and 17750 kcs. (RX) WRUL heard testing its new transmitter at Scituate from 9:30-9:45 p.m.

Verification is a white card with blue print. (Laudansky—Mass.)

WRUW granted permit to increase power from 20 kw. to the required 50 kw. WRUW also granted the use of 15350 kcs., and 17750 kcs., while relinquishing its assignment on 15250 kcs. (RX)

WWV (5000 kcs.) the Bureau of Standards station was burned to the ground on November 7. WWV now broadcasting unmodulated signals. Call is sent every half-hour in code. (Wells—Ont., Woolcott—N. Y.)



# 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	H18Q	1470
CFCY	630	CJIC	1490	CKWX	980	CMCX	1290	CMK	740	HOK	640
CFGP	1340	CJKL	560	CKX	1150	CMCY	590	CMKC	1250	HRN	1450
CFJC	910	CJLS	1340	CKY	990	CMGE	1470	CMKD	1290	KABC	1450
CFLC	1450	CJOC	1400	CMAB	1450	CMGF	1240	CMKE	1320	KABR	1420
CFNB	550	CJOR	600	CMAC	1370	CMGH	1440	CMKF	1490	KADA	1230
CFOS	1400	CJRC	630	CMAN	1300	CMGN	1310	CMKG	1050	KALB	1240
CFPL	1570	CJRM	980	CMAX	830	CMHA	1280	CMKH	1130	KALE	1330
CFPR	1240	CKAC	730	CMBC	790	CMHB	1410	CMKM	560	KAND	1340
CFQC	600	CKBI	900	CMBD	1420	CMHD	1560	CMKN	930	KANS	1240
CFRB	860	CKCA	1450	CMBF	1260	CMHI	570	CMKO	1220	KARK	920
CFRC	1490	CKCH	1240	CMBG	1330	CMHJ	1350	CMKQ	1460	KARM	1340
CFRN	1260	CKCK	620	CMBH	1540	CMHK	1380	CMKR	1390	KASA	1240
CHAB	1220	CKCL	580	CMBL	860	CMHM	1450	CMKS	900	CAST	1230
CHCK	1340	CKCO	1340	CMBQ	1450	CMHN	960	CMKU	970	KATE	1450
CHGB	1230	CKCY	1340	CMBS	1330	CMHO	1250	CMKV	600	KAVE	1240

## BROADCASTING STATIONS BY CALL LETTERS

KAWM 1490	KEYS 1490	KFRO 1370	KGHF 1350	KIEV 870	KNOW 1490
KBIX 1490	KFAB 780	KFRU 1400	KGHI 1230	KINY 1460	KNX 1070
KBIZ 1240	KFAC 1330	KFSD 600	KGHL 790	KIRO 710	KOA 850
KBKR 1490	KFAM 1450	KFSG 1150	KGIF 1370	KIT 1280	KOAC 550
KBND 1340	KFAR 610	KFUN 1450	KGIW 1450	KITE 1590	KOAM 810
KBPS 1450	KFBB 1310	KFUO 850	K6KB 1490	KIUL 1240	KOB 1030
KBST 1490	KFBC 1450	KFVD 1020	KGKL 1400	KIUN 1400	KOBH 1400
KBTM 1230	KFBI 1070	KFVS 1400	KGKO 570	KIUP 1400	KOCA 1240
KBUR 1490	KFBK 1530	KFWB 980	KGKY 1490	KJBS 1100	KOCY 1340
KBWD 1380	KFDA 1230	KFXD 1230	KGLO 1300	KJR 1000	KODL 1230
KCKN 1340	KFDM 560	KFXJ 1230	KGLU 1450	KLBM 1450	KOH 630
KCMC 1450	KFDY 790	KFXM 1240	KGMB 590	KLCN 1320	KOIL 1290
KCMO 1480	KFEL 950	KFYO 1340	KGNC 1440	KLO 1430	KOIN 970
KCRC 1390	KFEQ 680	KFYR 550	KGNF 1460	KLPM 1390	KOKO 1400
KCRJ 1340	KFGQ 1400	KGA 1510	KGNO 1370	KLRA 1420	KOL 1300
KDAL 1490	KFH 1330	KGB 1360	KGO 810	KLS 1310	KOMA 1520
KDB 1490	KFI 640	KGBS 1240	KGU 760	KLUF 1400	KOME 1340
KDFN 1470	KFIO 1150	KGBU 930	KGVO 1290	KLX 910	KOMO 950
KDKA 1020	KFIZ 1450	KGBX 1260	KGW 620	KLZ 560	KONB 1490
KDLR 1240	KFJB 1230	KGCU 1270	KGY 1240	KMA 960	KONO 1400
KDNT 1450	KFJI 1240	KGCX 1480	KHAS 1230	KMAC 1400	KOOS 1230
KDON 1240	KFJM 1440	KGDE 1230	KHBC 1230	KMBC 980	KORE 1450
KDRO 1490	KFJZ 1270	KGDM 1130	KHBG 1240	KMED 1440	KORN 1400
KDTH 1370	KFKA 910	KGEK 1230	KHJ 930	KMJ 580	KOTN 1490
KDYL 1320	KFKU 1250	KGER 1390	KHMO 1340	KMLB 1230	KOVC 1490
KECA 790	KFMB 1450	KGEZ 1340	KHON 1310	KMMJ 750	KOVO 1240
KELA 1470	KFNF 920	KGFF 1450	KHQ 590	KMO 1360	KOWH 660
KELD 1400	KFOR 1240	KGFI 1490	KHSL 1290	KMOX 1120	KOY 550
KELO 1230	KFOX 1280	KGFI 1230	KHUB 1340	KMPC 710	KPAB 1490
KENO 1400	KFPL 1340	KGFL 1400	KICA 1400	KMTR 570	KPAC 1250
KERN 1410	KFPW 1400	KGFW 1340	KID 1350	KMYC 1450	KPDN 1340
KEUB 1450	KFPY 920	KGFX 630	KIDO 1380	KMYR 1340	KPFA 1240
KEVR 1400	KFQD 790	KGGF 690	KIDW 1450	KNEL 1490	KPHO 1230
KEX 1190	KFRC 610	KGGM 1260	KIEM 1480	KNET 1450	KPLC 1490



## BROADCASTING STATIONS BY CALL LETTERS

KPLT 1490	KSAL 1150	KTW 1250	KWIL 1240	TING 750	WATN 1240
KPMC 1600	KSAM 1490	KUIN 1340	KWJB 1240	TIPG 625	WATR 1320
KPO 680	KSAN 1450	KUJ 1420	KWJJ 1080	TIRCC 1200	WATW 1400
KPOF 910	KSCJ 1360	KUOA 1290	KWK 1380	TIANRH 725	WAVE 970
KPOW 1230	KSD 550	KUSD 920	KWKH 1130	VAS 685	WAWZ 1380
KPPC 1240	KSEI 930	KUTA 570	KWLC 1240	VOGY 840	WAYX 1230
KPQ 1490	KSFO 560	KVAK 1450	KWLK 1400	VONF 640	WAZL 1450
KPRC 950	KSL 1160	KVAN 910	KWLM 1340	VOWR 700	WBAA 920
KQV 1410	KSLM 1390	KVCV 1230	KWNO 1230	WAAB 1440	WBAB 1490
KQW 740	KSO 1460	KVEC 1230	KWOC 1340	WAAF 950	WBAL 1090
KRBA 1340	KSOO 1140	KVFD 1400	KWOS 1340	WAAT 970	WBAP 820
KRBC 1450	KSRO 1350	KVGB 1400	KWSC 1250	WABC 880	WBAX 1240
KRBM 1450	KSTP 1500	KVI 570	KWTO 560	WABI 1230	WBBC 1430
KRE 1400	KSUB 1340	KVIC 1340	KWYO 1400	WABY 1400	WBBL 1240
KRGV 1290	KSUN 1230	KVNU 1230	KXA 770	WACO 1450	WBBM 780
KRIC 1450	KSWO 1150	KVOA 1290	KXL 1450	WADC 1350	WBBR 1330
KRIS 1360	KTAR 620	KVOD 630	KXO 1490	WAGA 1480	WBBZ 1230
KRJF 1340	KTBC 1150	KVOE 1490	KXOK 1240	WAGE 620	WBCM 1440
KRKD 1150	KTBS 1480	KVOL 1340	KXRO 1340	WAGF 1400	WBEN 930
KRKO 1400	KTEM 1400	KVOO 1170	KXYZ 1470	WAGM 1450	WBHP 1230
KRLC 1400	KTFI 1270	KVOR 1300	KYA 1260	WAIM 1230	WBIG 1470
KRLD 1080	KTHS 1090	KVOS 1230	KYAN 1400	WAIR 1340	WBIR 1240
KRLH 1450	KTHC 920	KVOX 1340	KYCA 1490	WAJR 1230	WBLJ 1230
KRMC 1400	KTMS 1250	KVRS 1400	KYOS 1080	WAKR 1590	WBLK 1400
KRMD 1340	KTOH 1490	KVSF 1340	KYSM 1230	WALA 1410	WBML 1240
KRNR 1490	KTOK 1400	KVSO 1240	KYUM 1240	WALB 1590	WBNS 1460
KRNT 1350	KTRB 860	KVWC 1490	KYW 1060	WAML 1340	WBNX 1380
KROC 1340	KTRH 1320	KWAL 1450	TGQ 1450	WAOV 1450	WBNY 1400
KROD 600	KTRI 1450	KWAT 1240	TGW 1520	WAPI 1070	WBOC 1490
KROW 960	KTSA 550	KWBG 1450	TG1 1310	WAP0 1150	WBOW 1230
KROY 1240	KTSM 1380	KWEW 1490	TIEP 830	WARD 1430	WBRB 1240
KRRV 910	KTSW 1400	KWFC 1340	TIGH 690	WARM 1400	WBRC 960
KRSC 1150	KTUC 1400	KWFT 620	TIGPH 605	WASH 1300	WBRE 1340
KSAC 580	KTUL 1430	KWG 1230	TIGPH2 1225	WATL 1400	WBRK 1340

## BROADCASTING STATIONS BY CALL LETTERS

WBRW 1340	WCMI 1340	WDWS 1400	WFHR 1340	WGPC 1450	WHIS 1440
WBRY 1590	WCNC 1400	WDZ 1050	WFIG 1340	WGR 550	WHIZ 1240
WBT 1110	WCNW 1600	WEAF 660	WFIL 560	WGRB 1230	WHJB 620
WBTA 1490	WCOA 1370	WEAN 790	WFLA 970	WGRC 1400	WHK 1420
WBTH 1400	WCOC 910	WEAU 1070	WFMD 930	WGRM 1240	WHKC 640
WBTM 1400	WCOL 1230	WEBC 1320	WFMJ 1450	WGST 920	WHKY 1400
WBZ 1030	WCOP 1150	WEBQ 1240	WFNC 1370	WGTC 1490	WHLB 1400
WBZA 1030	WCOS 1400	WEBR 1340	WFOR 1400	WGTM 1340	WHLD 1290
WCAD 1250	WCOU 1240	WEDC 1240	WFOY 1240	WGY 810	WHLN 1450
WCAE 1250	WCOV 1240	WEED 1450	WFPG 1450	WHA 970	WHLS 1450
WCAL 770	WCPO 1230	WEEI 590	WFTC 1230	WHAI 1240	WHMA 1450
WCAM 1310	WCRW 1240	WEEU 850	WFTL 1400	WHAL 980	WHN 1050
WCAO 600	WCSC 1390	WELI 960	WFTM 1240	WHAM 1180	WHO 1040
WCAP 1310	WCSH 970	WELL 1400	WFVA 1290	WHAS 840	WHOM 1480
WCAR 1130	WDAE 1250	WEMP 1340	WGAC 1240	WHAT 1340	WHOP 1230
WCAT 1230	WDAF 610	WENR 890	WGAL 1490	WHAZ 1330	WHP 1460
WCAU 1210	WDAK 1340	WENY 1230	WGAN 560	WHB 880	WHUB 1400
WCAX 1230	WDAN 1490	WEOA 1400	WGAR 1480	WHBB 1490	WHYN 1400
WCAZ 1080	WDAS 1400	WERC 1490	WGAU 1340	WHBC 1230	WIBA 1310
WCBA 1470	WDAY 970	WEST 1400	WGBB 1240	WHBF 1270	WIBC 1070
WCBD 1110	WDBC 1490	WESX 1230	WGBF 1280	WHBI 1280	WIBG 990
WCBI 1400	WDBJ 960	WEYD 1330	WGBI 910	WHBL 1330	WIBM 1450
WCBM 1400	WDSO 580	WEW 770	WGBR 1400	WHBQ 1400	WIBU 1240
WCBS 1450	WDEF 1400	WEXL 1340	WGCM 1240	WHBU 1240	WIBW 580
WCBT 1230	WDEL 1150	WFAA 820	WGES 1390	WHBY 1230	WIBX 1230
WCCO 830	WDEV 550	WFAS 1240	WGGA 1240	WHCU 870	WICA 970
WCED 1230	WDGY 1130	WFBC 1330	WGH 1340	WHDF 1400	WICC 600
WCFL 1000	WFLP 1230	WFBG 1340	WGIL 1400	WHDH 850	WIGM 1490
WCHS 580	WDMJ 1340	WFBL 1390	WGKY 1490	WHDL 1450	WIL 1230
WCHV 1450	WDNC 1490	WFBM 1260	WGL 1450	WHEB 750	WILL 580
WCKY 1530	WDOD 1310	WFCI 1420	WGN 720	WHEC 1460	WILM 1450
WCLE 610	WDRC 1360	WFBR 1300	WGNC 1450	WHFC 1450	WINC 1400
WCLU 1230	WDSM 1230	WFDL 910	WGNV 1250	WHIO 1290	WIND 560
WCLS 1340	WDSU 1280	WFEA 1370	WGOV 1450	WHIP 1520	WING 1410



## BROADCASTING STATIONS BY CALL LETTERS

WINN 1240	WJPF 1340	WLAP 1450	WMCA 570	WNEL 1320	WPER 1340
WINS 1000	WJPR 1340	WLAV 1340	WMDF 1450	WNEW 1280	WPIC 790
WINX 1340	WJR 760	WLAW 680	WMEX 1510	WNLC 1490	WPID 1240
WIOD 610	WJRD 1230	WLB 770	WMFD 1400	WNOE 1450	WPRA 790
WIP 610	WJSV 1500	WLBC 1340	WMFF 1340	WNOX 990	WPRO 630
WIRE 1430	WJTN 1240	WLEU 1450	WMFG 1240	WNYC 830	WPRP 1520
WIS 560	WJW 1240	WLBL 930	WMFJ 1450	WOAI 1200	WPTF 680
WISE 1400	WJZ 770	WLBZ 620	WMFR 1230	WOC 1450	WQAM 560
WISH 1310	WKAQ 620	WELU 1450	WMGA 1400	WOCB 1240	WQAN 910
WISN 1150	WKAR 870	WLLH 1400	WMIN 1400	WOI 640	WQBC 1390
WITH 1230	WKAT 1360	WLNH 1340	WMJM 1490	WOKO 1460	WQDM 1420
WIZE 1340	WKBB 1490	WLOF 1230	WMMN 920	WOL 1260	WQXR 1560
WJAC 1400	WKBH 1410	WLOG 1230	WMOB 1230	WOLF 1490	WRAK 1400
WJAG 1090	WKBN 570	WLOK 1240	WMOG 1490	WOLS 1230	WRAL 1240
WJAR 920	WKBO 1230	WLLOL 1330	WMPC 1230	WOMI 1490	WRAW 1340
WJAS 1320	WKBY 1490	WLPM 1450	WMPS 1460	WOMT 1240	WRBL 1230
WJAX 930	WKBW 1520	WLS 890	WMRC 1490	WOOD 1300	WRC 980
WJBC 1230	WKBZ 1490	WLTH 1430	WMRF 1490	WOPI 1490	WRDO 1400
WJBK 1490	WKEU 1450	WLVA 1230	WMRN 1490	WOR 710	WRDW 1490
WJBO 1150	WKIP 1450	WLW 700	WMRO 1280	WORC 1310	WREC 600
WJBW 1230	WKMO 1400	WMAL 630	WMSD 1450	WORD 1400	WREN 1250
WJBY 1240	WKNE 1290	WMAM 570	WMSL 1400	WORK 1350	WRGA 1490
WJDX 1300	WKNY 1490	WMAN 1400	WMT 600	WORL 950	WRJN 1400
WJEJ 1240	WKOK 1240	WMAQ 670	WMUR 610	WOSU 570	WRLC 1450
WJHL 910	WKPA 1150	WMAS 1450	WMVA 1450	WOV 1130	WRNL 910
WJHO 1400	WKPT 1400	WMAW 1230	WMWH 1450	WOW 590	WROK 1440
WJHP 1320	WKRC 550	WMAZ 940	WNAB 1450	WOWO 1190	WROL 620
WJIM 1240	WKRD 1490	WMBD 1470	WNAC 1260	WPAB 1370	WRR 1310
WJJD 1160	WKST 1280	WMBG 1380	WNAD 690	WPAD 1450	WRUF 850
WJLB 1400	WKWK 1400	WMBH 1450	WNAX 570	WPAR 1450	WRVA 1140
WJLS 1240	WKY 930	WMBI 1110	WNBC 1410	WPAT 930	WSAI 1360
WJMC 1240	WKZO 590	WMBO 1340	WNBFB 1490	WPAX 1240	WSAJ 1340
WJMS 1450	WLAC 1510	WMBR 1400	WNBH 1340	WPAY 1400	WSAM 1230
WJNO 1230	WLAG 1240	WMBS 590	WNBZ 1320	WPEN 950	WSAN 1470
WJOB 1230	WLAK 1340	WMC 790			

## BROADCASTING STATIONS BY CALL LETTERS

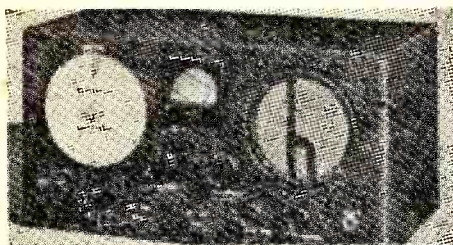
WSAR 1480	WTAD 930	WWVA 1170	XEBU 1260	XEFO 1110	XELZ 1440
WSAU 1400	WTAG 580	WXYZ 1270	XEBW 1280	XEFQ 980	XEM 1390
WSAV 1340	WTAL 1340	W8XO 700	XEBX 610	KEFV 1270	XEMA 1340
WSAY 1240	WTAM 1100	XEA 1370	XEBZ 660	XEFW 810	XEMC 1590
WSAZ 930	WTAQ 1360	XEAA 1340	XEC 1310	XEFZ 1340	XEME 1270
WSB 750	WTAR 790	XEAB 1600	XECA 1340	XEG 1050	XEMG 1310
WSBC 1240	WTAW 1150	XEAC 690	XECD 1170	XEGC 1450	XEMH 1400
WSBT 960	WTAX 1240	XEAD 1310	XECF 1340	XEGF 1300	XEMJ 920
WSFA 1440	WTBO 820	XEAF 1370	XECH 1490	XEGM 950	XEMO 860
WSGN 1340	WTCM 1400	XEAG 1280	XECH 1490	XEGT 1490	XEMR 1370
WSIX 1240	WTCN 1280	XEAI 1320	XECL 990	XEH 1250	XEMU 580
WSJS 600	WTEL 1340	XEAJ 1400	XECW 1340	XEHB 1310	XEMX 1380
WSKB 1230	WTHT 1230	KEAM 1400	XECZ 1430	XEHK 960	XEN 690
WSLB 1400	WTIC 1080	XEAO 910	XED 680	XEHL 1370	XENK 620
WSLI 1450	WTJS 1390	KEAP 1290	XEDA 1290	XEHR 1090	XENT 1140
WSLS 1490	WTMA 1250	XEAQ 1430	KEDE 1400	XEI 1400	XEO 970
WSM 650	WTMC 1490	XEAT 1250	XEDF 1260	XEJ 970	XEOF 560
WSMB 1350	WTMJ 620	XEAU 1470	XEDH 1340	XEJA 1400	XEOH 600
WSNJ 1240	WTMV 1490	XEAW 1570	XEDJ 1450	XEJK 1340	XEOK 1430
WSOC 1240	WTNJ 1310	XEAZ 1390	XEDK 1250	XEJP 1150	XEON 1140
WSOD 1230	WTOC 1290	XEB 1220	XEDL 1270	XEJR 1490	XEOT 960
WSOY 1340	WTOL 1230	XEBA 1270	XEDN 1270	XEJS 1150	XEOX 1280
WSPA 950	WTRC 1340	XEBC 1270	XEDP 730	XEJX 1450	XEP 1300
WSPB 1450	WTRY 980	XEBG 1010	XEDR 1490	XEK 970	XEPF 1400
WSPD 1370	WTSP 1380	XEBH 920	XEDS 1420	XEKJ 1400	XEPH 590
WSPR 1270	WVFW 1430	XEBI 1360	XEDW 1260	XEKS 1330	XEPP 1450
WSPT 1490	WWDC 1450	XEBJ 1450	XEE 1280	XEL 1260	XEPX 1000
WSTV 1340	WWJ 950	XEBK 1340	XEF 1400	XELA 830	XEQ 940
WSUI 910	WWL 870	XEBL 1260	XEFB 630	XELC 1410	XEQK 1350
WSUN 620	WWNC 570	XEBM 1260	XEFC 1340	XELF 1380	XEQN 1010
WSVA 550	WWNY 1300	XEBO 1330	XEFE 960	XELH 1460	XERB 1090
WSVS 1400	WWRL 1600	XEBP 1260	XEFI 1440	XELJ 790	XERC 790
WSYB 1490	WWSR 1420	XEBQ 1450	XEFK 1450	XELK 1280	KERH 1500
WSYR 570	WWSW 1490	XEBS 1410	XEFM 1270	XELW 1340	XERJ 610



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

XEXU	1490
XEXX	860
XEY	1450
XEZ	600
YNOW	1230
YNPH	660
YSS	640
YVKA	630
YV1RA	1500
YV1RC	1400
YV1RD	1150
YV1RF	1120
YV1RK	1250
YV1RW	1370
YV2RB	980
YV3RA	1270
YV3RE	1470
YV4RA	1350
YV4RD	1150
YV4RE	1400
YV4RL	1430
YV4RR	1490
YV5RA	960
YV5RB	790
YV5RG	1010
YV5RH	720
YV5RI	590
YV5RL	1160
YV5RZ	1050
YV6RA	1400
YV6RE	1080
ZNS	790

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Page ninety-five

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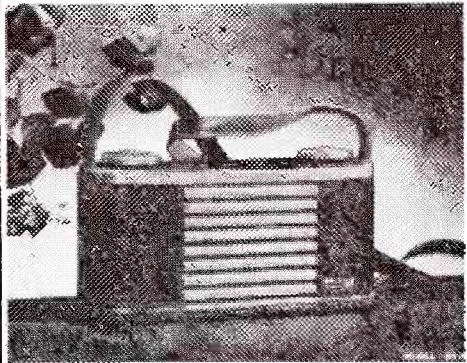
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The Trimm "Featherweights" weigh but 4¼ ounces complete.	24,000 ohms.	\$8.50
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If you are going to need headphones you should place your order now. Orders are accepted now only within the manufacturer's ability to ship during the succeeding three months, and their delivery promises are subject to change if their production capacity becomes needed for defense priority orders.

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