RADIO INDEX

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No. 137

MAY - JUNE, 1940

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B. Francis Dashiell, *Technical Editor* — Owen P. Callin, *Amateur Editor*

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FOR SALE AT YOUR NEWSSTAND

HAM HOUNDING

By OWEN P. CALLIN

Since there are contests now going on for the DXers of the broadcast bands and of the shortwaves, it seems fitting and proper that the bearcats of the ham bands should have a chance to shine in the glory of their accomplishments, and it is in our mind to give them that chance.

Merton T. Meade, the Kansas City DXer, started us on the idea and here is the plan we conceived:

First of all, to give newcomers to the fascinating game of ham Dx a chance to shine, one part of our contest would deal with those who obtained the most verifications from the most countries between certain dates, the contest to run for a year.

For example, suppose we select the days between July 1, 1940 and July 1, 1941. Whoever receives the most veri points between those dates will get a prize.

Send your reports for Ham Hounding direct to
Owen P. Callin
61 W. California Ave.,
Columbus, Ohio

To figure the veri point, the system used in the ARRL DX Contests would be used. The number of veris multiplied by the number of different countries represented would be the contestant's score. The contestant making the highest score in the year would win first place.

The other part of the contest would give the old-timer a break.

If you are interested send in a card or letter right away telling us so, and if enough want the contest we'll go into a huddle and decide more details and announce them in the next issue.

The ARRL DX contest brought a lot of those hibernating South American amateurs out into the open, declares John Brimmer, R1366. He tuned in over a dozen different new ones in a half hour on 20-meter fone.

John and several others have also suggested that to have time for those who wish to write directly to me my address should be printed in a box at the head of the column. This has been done, and those who want to write me direct may do so. However, those with lists of calls heard should send them to Radex Publ. Co., Emerson, N. J., as usual.

We welcome to our ranks James Kavanaugh, R2000, of Ft. Wayne, Ind. James is listening post observer of Indiana and also is DX editor of the Penn Radio Club. His first report logs such catches as XU1A and XU-1B.

That fast-growing and compact body of amateurs in Cuba, the Radio Club de Cuba, has just recently reorganized with election of officers. The club puts out a monthly magazine dealing not only with amateur radio in Cuba but also with DX notes valuable to the SWL. Throughout the magazine one may see notes by familiar names in the radio DX field.

New members of the board of the club are: Pablo Valdes, president; Justo Mahia Rivas, vice-president; Eduardo Oliva Radelat, secretary; Aquiles Ortiz, vice-secretary; treasurer, Julio Rodriguez; Miguel Aguilera, vice-treasurer. Directors: Enrique Anca, Rafael Bordenave, James D. Bourne, Arturo Miles, Jose Luis Garcia, Gerardo G. Erviti, Alfredo Duarte, Guillermo Madrid, Oscar Jaime, Jr., Tte Ramon Alberto Florez, Enrique Armand, Agustin Veiga, Mateo la Torre, Sixto E. Garcia, Adolfo Leonard, and Francisco Miguel.

We have some interesting personalities for our parade of hams this month. All four are in Europe and all have been shut down. Incidentally, those ops shut down by the war unless occupied with military duties, are as ardent SWL's now as we are. Unable to transmit, they must sit and listen, since they are unable to forego entirely the hobby that has kept them in their leisure hours.

PAoCS lives in the village of Menuldum, Netherlands. His past in unique, since he is the only ham we know who is a bicycle racer and trick rider. From 1933 to 1938 he participated in races and exhibitions throughout Europe, winning many medals and first prizes for his skill with a two-wheeled vehicle.

For a year he worked in the Philips radio factory but the lack of sunshine was undermining his health, so he took a position as teacher in the publics work department of the Netherlands, his present occupation.

His experience with antennas is a saga . His first was a small one with which he worked his locality. The next was 120 meters long attached to the highest tower of his village, 45 meters high. But he was unable to work DX with this one, so he erected a 10-meter vertical Zepp, and with this has contacted over 50 countries all over the world.

His receiver is a Hallicrafter Sky Buddy.

F8UE is one of the better known amateurs in France, since he has been on the air 1929 and has made since then some 13,000 QSO's. His name is Doctor G. Le Rasle, and he practices medicine at Ingre, France.

Until about two years ago he was not very interested in DX, but studied diagrams and the tubes of his radio in connection with disease and the results of short wave action on the body.

A short while before the war, he turned his attention to the study of antenna and long-distance QSO's being necessary to obtain results, he asked for—and got them!

"But I am not the one to stay up all night nor arise at 4 in the morning to call Australia," he explains.

He has three antenna, a three-element beam for 20, a 66-ft.center-fed for 3.5, 7, and 28 mc. work, and for 3.5. mcs. he ties the two feeders together on the latter and tunes the whole antenna.

His card is plain white, with large red letters.

G8SW is known around the world as "8 Short Waves. Situated in the heart of Middlesex, the station was operated by two brothers, Bob and Frank—last name, Henning.

The brothers, beginning operations in June, 1937, have had their share of interesting experiences. High voltage power lines run near the QRA, and when the antenna was erected, Bob complained of having been stung by a wasp. Further investigation disclosed that the antenna had picked up a good bit of juice from the power line and was "live." When Bob picked up the end he made an excellent conductor to the ground! In the future the antenna was carefully grounded before the experimenters began working!

Frank had the other unusual experience which nearly proved fatal. He unthinkingly cleaned the crystal in an enclosed place and inhaled considerably more carbon tetrachloride than was healthy.

With the local hams the boys have earned the title "The Wicked Brothers," although they saw no reason for it. It certainly was not the fault of the tranmitter which was quite a modest affair.

Let's hope this happy pair will soon have a chance to get back on the air. When they do, they warn, they intend to put up an 8JK beam, so "an-

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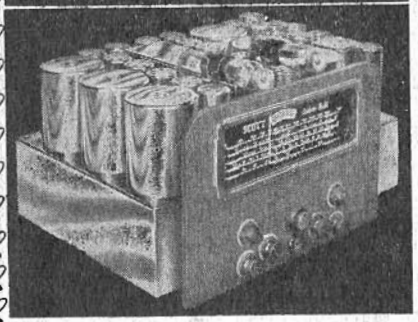

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chor the receiver to the bench and disconnect the R meter."

OK, fellows, we're waiting.

CT1QA—This station is a favorite, too, being heard regularly in the states on a low power of 32 watts when the band is right. The operator is Jayme Varela Santos, of Estremoz, Portugal.

He is a lieutenant in the 3rd Horse Regiment of the Portuguese army, and is 30 years old. He says that he "loves passionately the ham radio."

He has two antennas, a single wire Hertz and a one-section 8JK rotary which he says does very well. The receiver is a "poor" super-het with home-made pre-selector. His DX includes VK, most of South America, North America, and all of Europe.

All amateur affairs have been stopped in Portugal by the government, says Jayme. Let's hope, he, too, will be back on the air again soon, and not waving a sword from the saddle of a horse, as he charges into battle!

That concludes the personality parade, but hang on and we'll delve into the reports to see if we can dig up some dope about stations still on the air.

ALASKA—A new K7 is reported by Cliff Tavener and Joe Jones (R11-78), K7BUB. He is heard very well between 8:30 and 9:30 p.m. on 20-meter fone. Ralph Kastner received a swell card from K7GZH. QRA is Alan A. Duff, Naval Radio Station, Dutch Harbor. K7AOC is R. W. McCrary, Box 111, Juneau.

ALGERIA—We have no information as to whether the FA stations have been chased by war, but try listening for FA3HC on 20-meter phone. He is Rene Plieber, 43 rue Fontaine Bleue, Alger.

ARGENTINA — LU1JE says that his correct mailing address is Mitre 8 instead of Laprida 4 as in the callbook, according to John Brimmer.

BURMA — XZ2EZ is the 20-meter phone station heard occasionally in the U. S. He is Khin Maung Bo, 82 Inya Rd., University P. O., Rangoon.

CANTON ISLAND — KF6JEG is the new one reported by two Radexers, Cliff Tavener and George Boscawen (R1576). He is heard every night on about 14200 kcs. at 9:30 p.m., and seems to have a regular schedule with W6AED.

CHILE—CE3CG sends a beautiful card in black and white ink effect, showing an SWL in the guise of a robber holding up the "ham" and demanding a card ! ! ! Since he also is an ardent stamp collector he will send his QSL upon receipt of used United States stamps of unusual denominations.

CHINA—No new reports have been received of the XU's, but XU8RB still seems to be heard occasionally.

COLOMBIA—Can anyone help Bill Wells? Who is the HK8—on 40-meter phone? Bill also lists HK1PAA, Barranquilla, on 20-meter phone using only 25 watts.

DOMINICAN REPUBLIC — HI1-AA on an airplane 30 minutes out of Port-au-Prince was heard by Walter Welch, Lynn, Mass., with HI3N at the mike on 6210 kcs. HI3N was in contact with his home station on 75 meters and also with W1CND on the same band. All three stations were heard.

ECUADOR—HC1JB listed on 10 meters (28370 kcs) by Bill Jones, Dallas. On 40 meters HC1PC was having a cross-band QSO with a W8 on 75 meters. HC1FG logged relaying a sports event Feb. 17 just below 40 meters.

GREECE — Tom Ryan, Jr., says that SV1KE QSL's, but that he will only answer 100 percent correct reports. The card has a faint picture of the Parthenon printed upon it.

GREENLAND — We wonder if OX7ZL is still on 20-meter phone. Very occasionally he has been heard but no late reports have we had. He is Stilling Berg, Angmagssalik, East Greenland.

GUANTANAMO BAY—NY4AD is a consistent 10-meter ham, the QRA Truman O. Moore, U. S. Naval Station, Guantanamo Bay, Cuba.

HAWAII—Our San Francisco observer, George Boscawen, says that K6BNR is the best K6 on the air, and that the station often checks frequencies for other stations who call him. A personal list of non-QSLers, although we sent postage, follows: AKP, CMC, ETF, IAE, ILT, LEJ, LKN, NYD, OFW, OQE PPR and QDI. What luck have you had, listeners?

ITALY—Roy Blakeburn of Sydney, Nova Scotia (R1365) sends the first report for a long time of an I station, I1JKV, heard at 2:15 p.m. working W1's and W4's. He told his contacts he was using 300 watts, with an antenna beamed on North America.

JAVA—Although the PK's are supposed to be off the air many are operating surreptitiously, and listeners have listed PK1OG and PK3GD recently. 1OG was heard in a QSO with W6ITH.

MEXICO — XE2FC tells reporters that SWL reports are always welcomed and saved, and he is glad to verify correct listings. His card shows the interior of a room with two musicians, guitar and flute, and a man and woman doing a dance around the brim of a large hat. Two spectators watch. This report from our Sydney, N. S., observer comes as a result of noting the QRA given in these columns. That's what these columns are for, Roy, to pass along information helping the DX fan.

NICARAGUA—Merton Meade lists the QRA of YNU-1 as La Laz 9, Limited, Siuna, Nicaragua. The op is from Salt Lake City. YN1AZ is being reported. He is Maj. H. J. Phillips, Guardia Nacional, Nicaragua.

PARAGUAY—There are three ham stations in Paraguay on 20 meters reports Bill Wells, ZP2AA, ZP3AC, and ZP6AB. The ops speak very little English and do not QSO with American hams.

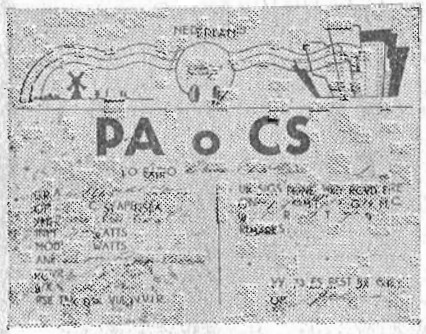
PERU — Roy Blakeburn received the first card made out to an SWL by OA41, Raymond I. Betts, Reducto 670, Miraflores.

EL SALVADOR — Those who reported YS2LR should feel lucky if they received his card, since the station is no more. If you have sent him a report and have not received his card, try him again at Varel S. Grimes, 325 W. 15th St., Brownsville, Texas. Grimes will soon be on the air with a W5 call. Two new stations on 20 meter phone in Salvador are YS1MM and YS1OL. We do not have the QRA's.

UNITED STATES—W6MGB talks Spanish like a native and works only South America and Central America DX. W6AED can usually be counted on for long DX, so if you hear him on the air, listen for a while.

That's all the reports we have this time, and although they were in goodly number, still we'd like to have more. So get out your pens, pencils, and typewriters, and tell us your news.

CHATTER: Harry O'Meara spends mornings, afternoons, and nights at the dials of his National SW-3, DXing on the 20-meter band. He wants to send a report every every month, for which bless you, Harry, bless you. . . . . Walter Welch does quite a bit of listening, too, since he sends in a mammoth list of calls. . . . . Roy



The PAoCS QSL card. It is printed in black.

Woollacott (R1566) has a nice collection among which is ZE1JZ on 10 meters. . . . . David Thompson (R1459) logged W4FZW and W1FZW within less than minute, both QSA 5 R 9. He has about 80 SL's from hams and 100 from broadcast stations. He's also working for his ham ticket.

FO8AA verified by card Carl Horton (R1305) in 38¹ days! Carl also got his veri from OQ5AB. . . . . Richard Loetz wants to know what has happened to the HK's and YN's. What's the matter, Dick, aren't they coming in lately. . . . . To Joe Jones: Callbook is published in March, June, September, and December, $1.25 an issue. If you desire one, write to Page Taylor, Radex Publi. Co., Emerson, N. J. . . . . About 70 percent of foreign hams contacted with IRC enclosed have QSLed for Merton Meade. Returns from U. S. hams have been 40 percent. Merton's brother was the op of W9QKS, and when on the air only 50 percent of the stations contacted QSLed. W9QKS was known as "La Voz de los Meade Muchachos" (The Voice of the Meade Brothers) and although now silent since Bob is op at K6PIT, Merton is going to take the exam one of these days and open up the station again.

NX2L was an unlicensed station in the U. S., according to Merton, who overheard a CO talking to him. The CO was bootlegging a call himself, an OK call. . . . . For a laugh and good time tune in on CO2JJ's frequency. . . . . ON4A heard by John Brimmer on 20-meter CW may be a Belgian operating despite bans. Has anyone else heard him? . . . . Who is the CW station N2GG heard by Bill Wells on 3910 kcs?

Well, fans, that winds up the dope for this time. Don't forget to let me know your opinions on the contests and we'll try and get it started by July I, to give summer listening a tang otherwise not felt in the monotony of static and poor conditions.

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.

10 Meters

CO2WM (m); HA1K (m); HC1JB (ahm); HK3CK (a); K4DDH (m); K4EZR (h-; K4FOW (m); K4FRN (m); K6BNR (h); K6ICS (a); K6LJJ (a); K6MGD (a); K6MVV (hm); K6MXM (h); K6OQM (h); K6PAS (h); K6PCF (h); K6PCM (h); K6PHD (a); K6PIR (ah); K6PTW (h) K6PUL (a); K6QLZ (a); K6RCB (a); K6RES (a); K6ROJ (ah); K6RVI (a); K6SGJ (h); K6SHG (h); K7ATD (h); LX2OK (m); LX2UU (m); NY4AD (ahm); PY2AC (m); TG-9AA (ah).

20 Meters

CE1AB (g); CE1AC (bn); CE1AD (bn); CE1AO (en); CE1AR (bgh); CE-1AS (abh); CEIO^{X} (g); CE1S (g); CE-2AM (an); CE2BX (em); CE3AA (f); CE3AG (am); CE3BE (achn); CE3BK (bm); CE3CG (ahi); CE3C^{Z} (bikmn); CE3DE (i); CE3DW (hn); CE3EU (b); CE3EW (a); CE4AC (m); CO2AL (e); CO2AM (gm); CO2BA (bgm); CO2BR (h); CO2DB (g); CO2DR (gm); CO-2GA (h); CO2GG (m); CO2GL (bhim); CO2GY (beghim); CO2JH (em); CO2-JJ (km); CO2JM (g); CO2JV (m); CO-CO2LY (em); CO2MA (bim); CO2MG 2LA (m); CO2LG (m); CO2LL (h); (ehim); CO2RA (k); CO2RC (k); CO-2RH (bgm); CO2RL (g); CO2RR (m); CO2RZ (em); CO2SV (hm); CO2XK (m); CO2WL (e); CO2WM (em); CO-2WN (k); CO2WS (e); CO2WW (e); CO2YW (im); CO4AA (b); Co4XX (g); CO6OM (im); CO7AB (h); CO7-AS (g); CO7CX (hikm); CO7VP (hi-km); CO8K (bbm); CO8MP (h); CX-2BK (mn); C^{X}2CO (aemn).

EA7BA (cikn); EA7BB (k); EK1AF (bimn); ES5D (i); HA9Q (i); HC1FG (i); HC1JB (fm); HC2CC (gij); HC-2CG (h); HC2HP (ikm); HC2PC (e); HH2B (abghijkm); HH2B (bhmn); HH-2PB (n); HH5K (a); HH5PA (aikm); HI3N (abehikm); HI5X (hikm); HI6Q (akm); HI7G (afkm); HI7I (m); HK-1PAA (n); HK3CC (afim); HK2CG (a); HK3CI (i); HK3CK (m); HK3CO (f); HK3CY (fm); HK4C (i); HK4DK (fm); HK5EA (i); HP1A (aein); I1JKE (b); I1JNV (i); I1JVV (b); J2NF (b); J2-SA (b); J7CB (b).

KA1BB (a); KA1CS (bem); KA1CW KA1LH (g); KA1ME (bgm); KA4LH (am); KA1FH (fgm); KA1LB (gm); 6JZ (a); K4DSE (mn); K4EMG (m); (a); KB6ILT (b); KFJEG (abeh); KF-K4ENT (ak); K4FCD (h); K4FCG (am-BHL (a); K6BJJ (a); K6BNR (abefhm); n); K4FKC (abehikm); K5 AM (n); K6-K6CGK (a); K6CMC (eh); K6FDL (ag); K6GAG (j); K6GAS (ahm); K6-GRL (a); K6KRG (ah); K6KUF (g); K6LCV (gh); K6LKN (m); K6MVA (ab-ehm); K6NDA (a); K6NYD (abehij-km); K6NZQ (h); K6OCH (a); K6-OCV (a); K6OFG (c); K6OJI (aeghm); K6OQE (ah); K6OTH (h); K6PAS (a-h.; K6PIT (abehm); K6PLV (g); K6-PLZ (ag); K6PMC (ab); K6PNT (a); K6PRR (ef); K6PTW (abghm); K6PUL (e); K6QHU (eh); K6QMT (a) K6ROJ (e); K6RRJ (e); K6RVU (aehm); K6-SGJ (e); K6THU (a); K6UHL (a); K7-AOC (h); K7 BUB (bdhun; K7FJ (an); K7GSC (gh); K7GTP (e); K7G^{Z}H (a1 bh); K7HAR (hn); K7HCX (bgn).

LUIDA (afhimn); LUIDJ (e); LU1HA (n); LU1JC (amn); LU1LB (mn); LU-1QA (ahmn); LU1TA (b); LU2BG (m); LU2BT (n); LU2CA (mn); LU3AA (i); LU4BB (a); LU4BH (m); LU4BT (i); LU4CZ (m); LU4DJ (hm); LU4KA (n); LU4XA (bh); LU5AG (m); LU5AN (e-(am); LU5HA (b); LU5HE (behmn); n); LU5CK (fmn); LU5CZ (n); LU5DD LU6DJ (amn); LU7AG (m); LU7BC (e); LU7BK (ahn); LU7BU (emn); LU-7ET (an); LU8AB (km); LU8DR (m); LU8MC (h); LU9HA (m); LX1B (i); LY1J (ci); LY1S (i).

NY2AD (g); NYAB (ah); NY4AD (a-m); OA3B (h); OA4AI (fh); OA4AL (afh); OA4AS (j); OA4C (gn); OA4R (in); PK1OG (bg); PK1JR (g); PK3GD (g); PY1CK (i); PY1DC (n); PY1GA (f); PY1IM (chm); PY2AC (abhijmn); PY2AK (Acemn); PY2CK (m); PY2DA (g); PY2DH (g); PYGC (em); PY2IN (n); PY2IT (imn); PY2KP (g); PY2KT (m); PY2LN (fg); PY2MI (m); PY3DR (n); PY4BK (n); PY4EJ (m); PY5AQ RV (in); TI2AB (am); TI2AC (ae); TI-(n); PY6DR (h).

TG9AB (h); TG9BA (aeghim); TG9-2EV (e); TI2LR (a); TI2RC (ag); TI2-RH (n); TI 2RV (a); TI2RZ (ai); TI31 AV (a); TI4AC (m); TI5NA (imn); W-3BOK (1); W9EW (1); W9JPL (1):

XE1A (h); XE1AC (mn); XE1AM (n); XE1AX (n); XE1BO (h); XE1BT (n); XE1BY (n); XE1CA (n); XE1CL (f); XE1CQ (hm); XE1CH (n); XE1 1CZ (n); XE1F (n); XE1G (m); XE1-GE (him); XE1H (n); XE1HR (m); XE1KR (h); XE1Q (h); XE2AC (bm); XE2AD (b); XE2AF (fhi) XE2CN (g); XE2FC (m); XE2FL (mn); XE2FY (h); XE2GA (n); XE2HB (bm); XE2HD (g); XE2HV (g); XE2HY (chm); XE-2IK (m); XE2I^{Z} (g); XE2IZ (h); XE-2LY (k); XE3AH (n); XE3AR (n); XE-3AX (n); XE3BA (h); XE3BK (m); E3BM (m); XE3BM (i); XE3O (in); 1IP (aegn); YVAC9 (m); YV1AN (ah-XU1A (f); YU1B (fg); YNV1 (i); YN-m); YV1AP (m); YV1AQ (aefim); YV-1AV (cfhimn); YV1DQ (k); YV4AB (a-m); YV4AG (a); YV4AN (m); YV4-efim); YV4ABG (am); YV4AE (afhk-AX (m); YV5ABA (f); YV5ABE (f-hm); YV5ABF (akm); YV5ABQ (m); YV5ABY (m); YV5AC (n); YV5ACA (aefimn); YV5ACE (afmn); YV5ACG (afmn); YV5ACH (mn); YV5ACO (a); YV5AD (a); YV5AE (a); YV5AK (a-m); YV5ATO (a).

The Reporters

(a) Herbert Bell, Hollis, Okla.
(b) George Boscawan, San Francisco, Calif.
(c) Charles Gerran, Jamestown, N. Y.
(d) Joe Jones, Terre Alta, W. Va.
(e) Ralph Kastner, New Braunfels, Texas
(f) James Kavanaugh, Fort Wayne, Ind.
(g) Richard Loetz, Sturgis, Mich.
(h) Merton Meade, Kansas City, Mo.
(i) Harry O'Meara, Manchester, Mass.
(j) Bertram Podall, Gilman, Vermont
(k) Victor Samardza, New York City
(l) R. E. Sparkes, Silverthorn, Y. T., Canada.
(m) Walter Welch, Lynn, Mass.
(n) Wm. Wells, Hamilton, Ont.

NEW ZEALAND REPORTS

The following reports are from Alan Breen of Dunedin, New Zealand. While this reception was accomplished in Dunedin, a large number of the stations mentioned can be received in the United States. All time is Eastern Standard.

WWV on its standard frequency transmissions, are heard throughout the evening, from 3 until 8 p.m. EST, with the 440-cycle note and announcement at each ten minute interval.

VLW in Perth came on the end at November, and has been heard on several frequencies, including VLW on 6130, VLW2 on 9650 and VLW3 on 11830 kcs.

VLQ on 9615 and VLQ2 on 11870 kcs are heard with terrific strength and should reach North America with R9 signals.

I2AA at Addis Ababa is being heard from 10 a.m. EST. Their programs include Bing Croby, Connie Boswell, Judy Garland and the Mills Brothers so it should not be difficult to get material for verifications.

The best reception of "Radio Boy-Landry" at Saigon on 9675 kcs is at 8:15 a.m. EST.

Madagascar apparently did not stay on 5800 kcs for very long as it was heard on its old frequency of 6065 at 11 a.m, closing down with the "Marseillaise." At other times it has been heard signing off at 10:30 a.m.

VLR3 in Melbourne closes at 2:15 a.m. and re-opens at 2:30 a.m. on 9580 kcs.

A Canton station believed to be XGOK is heard daily from before 5 a.m. until after 8:15 a.m. EST. A lady announcer is usualy heard, and news is broadcast in English. The frequency is 11650 kcs.

The Formosa transmitter at Taihoku is at present operating on 9695 kcs as JIE2, replacing JIE.

A new transmitter at Rangoon, Burma, is now being heard until 10 a.m. on 6050 kcs with excellent signals and with the same program as XYZ on 6007 kcs.

XTY at Chungking is heard irregularly on 14130 kcs.

HS8PJ has not been heard for some weeks and its place seems to have been taken by HSP3 on 7966kcs. Transmissions begin irregularly after 7 a.m. with English news frequently at 8:15, followed by dance music.

The 60 meter band is very good now and the following should reach the east coast of the USA: 4840 kcs VUC2; 4865 kcs YDG5; 4880 kcs VUB2; 4900 kcs YDA. VUC2 is Calcutta India; YDG5 is Batavia, Java, heard at 6 a.m; VUB2 is Bombay, India. YDA is at Batavia, generally on the air after 4:30 a.m. EST.

VUM2 Madras, India is heard on 4920 kcs. YDF, Sourabaya, Java, 4930 kcs, generally heard with programs of native music, YDX at Medan, Sumatra on 4965 kcs.

FK8AA at Noumea, French Guinea, has shifted its frequency to 6135 kcs.

Sample copies of "QSA5", the 16 page printed bulletin of the DXers International Exchange Club, may be secured for five cents postage from the secretary, Merton M. Hiatt, Box 7, Dryden, Wash. Broadcast, short-wave, amateur and ultra-high columns are edited by well-known DXers, with equal emphasis on east and west coast reception. A hobby corner is also included for those wishing to swap cards, stamps, letters, etc.

Turner Dial Discusses Servicing

B. Francis Dashiell

It was a fine spring afternoon and Turner Dial stood at the entrance to Higrade Radio watching the few citizens who were abroad stroll leisurely from shop to shop. Then, as was to be expected, Dial glanced down the street toward the gaudy store front of his rival. Red signs covered the door and window and proclaimed loudly to all that tremendous price reductions were in progress; credit was unlimited; old radios were about worth their weight in gold; and here could be obtained the very best servicing in town for almost nothing.

An amused smile covered Turner's features. But he failed to display any animosity toward this newcomer. Dial was about to turn away when he noticed a man hurry from the store. Certainly, he thought, there was one person who was not afflicted with spring anemia! But the man's hustle did not prevent Turner from observing that he was luging a radio under his arm. When the man turned and stepped rapidly in the direction of Higrade, Dial thought it more ethical to reenter the store and not subject a competitor's customer to his critical gaze.

But no sooner had Turner entered the building when the man burst in. Placing his table-model radio on the sales counter, the man seemed suddenly to explode. "Say!" he exclaimed in an excited voice, "I like your store. The windows are not smeared with cheap advertising. If you run an honest place can I have this radio fixed without it being necessary to buy an interest in the business?"

Turner Dial smiled tolerantly. This was not the first time h ehad heard such an outburst during the past few weeks. "I've lived with radio a long time," was his deliberate reply. "And we've repaired a lot of sets so they stayed fixed. Maybe we can help you. What's the trouble?"

"That outfit down the street advertised a free examination. But they must think I'm a sucker!" shouted the man so loudly that Bill Wood, Higrade's youngest assistant, peered around the repair shop door to see what was happening. 'How can i tell what is a fair charge for radio servicing? I guess these 'free' examinations are not so free, 'cause you can make the charge high enough to cover the cost of the examination." And the man glared defiantly at Turner Dial with the air of one who had propounded a smart query that couldn't be fairly answered.

"Oh, no," Turner replied. "Our examinations are free all right. You do not have to have the work done, just as you decided in the case of your place down the street. Most of us give 'free examinations.' All business men are called upon to make estimates or tell what their merchandise sells for. Nothing new to that. Who ever heard of a contractor making a charge for offering a bid on a job?"

"But those grafters down the street wanted to make an outrageous charge," fumed the indignant customer. "One third of the first cost of the set!"

"That could be possible if the dam-

ages are serious," said Turner as he picked up the set and moved toward the service room. The man followed at Dial's request.

"Now, let's make a 'free estimate'. I hate to guarantee prices—exactly." Turner was removing the chassis from the cabinet. "Ordinarily," he added, ' my free estimate doesn't include this preliminary, but we have some spare time today. When I make an estimate in a home its just a part of my pick-up service and not always just a special trip for estimating. Most radios must come to the shop for repairing anyway. However, a good many sets can be attended to at home, for often the troubles are due to tubes, antennas, noisy wires in the home, or some minor defects."

"They were bragging down the street about having all the latest instruments. They give the best scientific servicing in town—so they advertise," the customer remarked sarcastically.

Dial's face reddened. "Sure, modern servicing instruments are fine," he snapped. "But you won't see so many around here. We have all that we need. The newer systems and equipment help those who still have a lot to learn, and enable newcomers to get established quickly as reliable servicemen. But most radio troubles can be diagnosed by common sense and experience. A man can often do this in the time that he is hooking up or lugging around a lot of expensive and elaborate apparatus. For my part, if I were to go to a customer's home with a big array of laboratory instruments, I would feel that he might get apprehensive and decide against making any repairs at that time. But when I take a little tube tester, some pocket tools, a few of the standard tubes, and sit down on th efloor to look into the radio, that customer seldom expects to be robbed."

Turner twisted a few knobs, looked at the test meters, and then plugged the plug. "Tubes are o. k." he remarked. "A by-pass condenser seems to be shot, and perhaps a resistor or two at the same time. Also, this set is terribly dirty, and needs cleaning and an alignment to make it tune properly. We'll do the job for about three dollars."

"Why, those gyppers down the street said the power transformer was bad and that a filter condenser had a short circuit!" yelled the excited customer.

"They're all wet!" exclaimed Turner with disgust. "The transformer is good, and the condenser coudn't filter if it was leaking and shorted or grounded. Anyway, if there is anything else, I'll let you know before we run up any extras."

The man moved toward the door. "Fix it up," he insisted.

Bill Wood was an interested listener. "Say, Turner" he declared. "Maybe those birds down the street really are going in for new scientific trouble shooting, signal tracing, and so on."

"Not a chance," answered Turner emphatically. "They wouldn't know any more about it than a hog does about a holiday. Its a fine system, and just about fool proof. But, in effect, we've used it for years. On the other hand you can use a lot of time. That adds to the overhead cost and the charges eventually made for the work you do. If I do say it myself, the kind of tools and system you use as well as the charges you make, depend largely upon the person doing the work."

"How about replacements?" inquired Wood, as he took the opportunity of Turner's communicativeness to talk and do a bit of personal stalling. And how he could do that to perfection when occasion arose!

Dial reached for his pipe. Then he snipped the leads to the charred resistor and series condenser which caused all the discussion. "You've got to make some profit on parts, but there need be no robbery. If the manufacturer has a list price then the cost to the customer should never be a cent higher, and sometimes can be lower. Remember, customers sometimes have ways of checking from catalouges or actual price lists. Anyone can get 'em if they desire. Labor charges must be based on what it costs to operate, even when one man stands around loafing, like you right now!" But Bill didn't let that remark worry him, and Dial continued: "Servicemen must watch their business methods and operations. When operating costs get too high, charges must go up. If you can't repair a set in a minimum of time so it stays fixed, then you better quit. That's going to be the trouble with our friends down the street."

"What about the public?" continued Wood's quizzing. "Everyone who comes in here seems to believe what we tell 'em. They don't kick about charges. But, boy, oh boy, how they razz those pirates down the street!"

Turner Dial soldered a few wires and dropped into his old squeaky chair. "I think," he began, "that the public is beginning to rely more and more on the modern radio serviceman. And the public use their heads too. They look around a bit. Just like the man that came in here a while ago. People, too, are beginning to look for radio technical men with high business and training standards. Some of 'em are graduates of a reliable radio school, like that National Radio Institute. These men are serious about their work—its a lifelong job with them. Then many of them are members of the Radio Service of America. Then there are dealer-authorized representatives who have factory training and have excellent understanding of the sets that are turned out by their own manufacturer. And then there are just the humble gents, like myself, who have grown up with radio and can diagnose symptoms with their eyes shut. You know, Bill, it really could be that the cut-throats down the street might not be so blood thirsty after all. For I honestly believe that some of the free estimates and bills handed set owners are not due to desires to boost prices by taking advantage of a customer who might still look upon radio as a mystery that only some great specialist can understand."

That was a long speech for the usually taciturn Turner Dial. Bill Wood grinned. 'I see," he commented. "They raise the price high enough by their 'free examination' to cover any additional troubles that lack of experience causes them to overlook. Its just because they are afraid to trust themselves."

"Exactly," agreed Turner. "Some servicemen are afraid to guess too closely, because they are not sure they know all about the trouble in the set. But the great majority of shops are reliable and honest. Those men have skill and ability, but they can make human mistakes. When that happens they must take the loss instead of soaking the customer a lot of extras."

Bill Wood thought he had at last struck upon a novel idea. "If the disabled set is too much of a problem to the serviceman why can't he ship it back to the factory or the distributor and let them worry about it. After all, its their product."

Turner blew a smoke ring. "Son," he confided, "you don't know how right you are, and how often that's their solution. But, at that, the customer gets the best repair work in spite of the delay, and the dealer has to charge some of it up to experience."

"Or the lack of it," added Bill, as he turned back to his work bench.

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SHORT WAVE BROADCASTING IN MANCHOUKUO

At present Short Wave Broadcasts for international purposes from Manchoukuo are carried on by the Central Broadcasting Station in Hsinking, MTCY, which is under the direct control of the Manchuria Telephone and Telegraph Company. The Company incidentally operates 15 radio broadcasting stations throughout Manchoukuo.

With the purpose of introducing the young Empire of Manchoukuo to the rest of the world and also of providing interesting entertainment to listeners abroad, what is today called "The Short Wave System" was established with the Hsinking Central Broadcasting Station, on July 20, 1939. Previous to that date, as some of our friends in America know, programs were transmitted from JDY or JQAK, stations operated by the Manchuria Telephone and Telegraph Company. But these programs were not regular and it was not long before the demand for a daily, regular broadcast from Manchoukuo became apparent.

Thus, ever since the 20th of July, 1939, daily programs of news and entertainment were transmitted by short wave in four different directions and at times most suitable to listeners in other countries. Details concerning these transmissions are as follows:

Transmission I—To Europe

MTCY, 20 KW., 11,775 kilocycles or 25.48 meters. 4 to 4:50 p.m. EST.

Transmission II—To The Pacific Coast of North America and The Hawaiian Islands.

MTCY, 20 KW., 11,775 kiloycycles or 25.48 meters. 1:30 to 2:20 a.m. EST.

Transmission III—To China, The Philippines, Strait Settlements, Australia, New Zealand, and the South Seas.

MTCY, 20 KW., 11,775 kiloycycles or 25.48 meters. 9:50 to 10:55 a.m. EST.

Transmission IV—To Mongolia and Soviet Russia.

MTCY, 20 KW., 6,125 kilocycles or 48.98 meters. 8:30 to 9:30 a.m. EST.

Sequence and news announcements in Transmission I and II are in English only. Three languages, Manchu, Japanese and English are used in Transmission III while Mongolian and Russian are the two languages uesd in Transmission IV.

We present here a time schedule of our news broadcasts within the four transmissions:

Transmission I—English news 4:05 to 4:15 p.m. EST.

Transmission II—English news 2 to 2:10 a.m. EST.

Transmission III — Japanese news 9:57 to 10:07 a.m. Manchou news 10:10 to 10:20 a.m. English news 10:35 to 10:45 a.m.

Transmission IV — Russian news 8:45 to 8:55 a.m. Mongolian news 9:20 to 9:25 a.m.

As is common with Short Wave Stations, our wave-lengths and times are subject to change when atmospheric and other conditions make such changes necessary. However, these changes will be announced in our regular broadcasts sufficiently ahead of time.

Our purpose lies in the introduction of Manchoukuo to the world, the creation of good-will among Occidental and Oriental peoples and the provision of good wholesome entertainment to listeners abroad. We therefore, welcome criticisms and suggestions concerning our transmissions. If there are any improvements our listeners can think of with regard to our transmission facilities or our program material, we sincerely hope that these will be made known to us.

MTCY
Manchuria Telephone & Telegraph Co., Ltd.,
601 Daido-Traigai,
Hsinking, Manchukuo

UNITED STATES OF VENEZUELA OFFICIAL LIST

Short Wave

Call	Slogan	Freq.	Location
YV1RJ	Radio Falcon	4975kc	Coro
YV1RL	Radio Popular	4860kc	Maracaibo
YV1RO	Radio Trujillo	4780kc	Trujillo
YV1RT	La Voz de la Fe	4770kc	Maracaibo
YV1RU	Radiodifusora Maracaibo	4810kc	Maracaibo
YV1RV	Ecos del Zulia	4800kc	Maracaibo
YV1RX	Ondas del Lago	4890kc	Maracaibo
YV1RY	Radio Coro	4910kc	Coro
YV1RZ	Radio Valera	4850kc	Trujillo
YV2RN	La Voz del Tachira	4870kc	San Cristobal
YV3RN	Radio Barquisimeto	4820kc	Barquisimeto
YV3RX	La Voz de Lara	4990kc	Barquisimeto
YV4RO	La Voz de Carabobo	4950kc	Valencia
YV4RP	Radio Valencia	4930kc	Valencia
YV4RQ	Radio Puerto Cabello	5020kc	Puerto Cabello
YV4RX	Radio Marconi	4840kc	Maracay
YV5RH	Ondas Populares	4920kc	Caracas
YV5RK		5000kc	Caracas
YV5RM	Radiodifusora Venezuela	5010kc	Caracas
YV5RN	Radio Caracas	5040kc	Caracas
YV5RO	La Voz de Venezuela	4940kc	Caracas
YV5RS	Radio Libertador	4960kc	Caracas
YV5RT		4980kc	Caracas
YV5RU	Estudios Universo	4830kc	Caracas
YV5RY	Radio Continente	4750kc	Caracas
YV6RT	Radio Bolivar	4900kc	Ciudad Bolivar
YV6RU	Ecos del Orinoco	4880kc	Ciudad Bolivar
YV3RF	La Voz del Llano	3480kc	Acarigua
YV5RV	Emisora Vargas	3500kc	La Guaira
YV5RW	Radio Tropical	3400kc	Caracas
YV5RJ	La Voz de la Patria	3430kc	Caracas
YV6RC	(C.P. ONLY)	3450kc	Barcelona

Long Wave

YV1RA	Ecos del Zulia	1500kc	Maracaibo	250w
YV1RC	La Voz de la Fe	1400kc	Maracaibo	600w
YV1RD	Radiodifusora Maracaibo	1153kc	Maracaibo	250w
YV1RF	Ondas del Lago	1120kc	Maracaibo	300w
YV1RK	Radio Popular	1250kc	Maracaibo	250w
YV2RB	La Voz del Tachira	980kc	San Cristobal	500w
YV3RC	La Voz de Lara	1270kc	Barquisimeto	250w
YV3RE	Radio Barquisimeto	1475kc	Barquisimeto	300w
YV4RA	La Voz de Carabobo	1350kc	Valencia	500w
YV4RE	Radio Valencia	1400kc	Valencia	200w

This list of Venezuelan stations, and the lists of stations in Peru, La Paz, and Colombia, were submitted by William Cunningham of Hollywood, California.

Call	Slogan or Owner	Freq.	Location	
YV4RG	Radio Marconi	1153kc	Maracay	200w
YV4RI		1450kc	Valencia	600w
YV4RL		1430kc	Maracay	800w
YV5RA	Radio Caracas	960kc	Caracas	5KW
YV5RB	Radiodifusora Venezuela	1200kc	Caracas	2KW
YV5RE	La Voz de Venezuela	1110kc	Caracas	200w
YV5RG	Ondas Populares	1010kc	Caracas	1KW
YV5RI	Radio Continente	590kc	Caracas	1KW
YV5RL	Radio Tropical	1160kc	El Valle	500w
YV5RQ	Radio Liberator	882kc	Caracas	1KW
YV5RR	Estudios Universo	1010Kc	Caracas	1KW
YV5RZ	Emisora Vargas	1050kc	La Guaira	500w
YV6RA	Ecos del Orinoco	1400kc	Ciudad Bolivar	250w
YV6RD	Radio Bolivar	1450kc	Ciudad Bolivar	250w
YV6RE	Ondas del Neveri	1080kc	Barcelona	500w
YV4RR	Radio Puerto Cabello	1490kc	Puerto Cabello	500w
YV5RX	La Voz de la Patria	720kc	Caracas	1KW
YV1RW	Radio Coro	1370kc	Coro	300w

UNITED STATES OF PERU

Short Wave

OAX1A	J. Carlos Mountjoy D.	6150kc	Chiclayo	200w
OAX2A	Rafael Larco Hoyle	6000kc	Trujillo	250w
OAX4Z	Radio Nacional	6082kc	Lima	15KW
OAX4T	Radio Nacional	9562kc	Lima	10KW
OAX4G	Empresa Peruana Parlante Bolivar y Carcovich	6230kc	Lima	250w
OAX4I	Radio Internacional	9520kc	Lima	200w
OAX4P	J. Alberto Madueno	5968kc	Huancayo	250w
OAX5C	J. Antonio Umbert F.	9590kc	Ica	150w
OAX6B	Maxime J. Landa	11710kc	Arequipa	150w
OAX7A	Carlos Lizarraga Fisher	6128kc	Cuzco	100w

Long Wave

OAX4A	U.S.P. (See Radio Nacional)	854kc	Lima	10KW
OAX4B	(See OAX4G)	1200kc	Lima	250w
OAX4E	Ing. Juan P. Goicochea	960kc	Lima	200w
OAX4J	(See OAX4I)	1320kc	Lima	250w
OAX4L	Radio Miraflores, S. A.	1250kc	Lima	200w
OAX5B	(See OAX5C)	1280kc	Ica	200w

THE LA PAZ STATIONS

Short Wave

Call	Slogan	Freq.	Power
CP1	Radio del Observatorio S. Calixto	14300kc	500w
CP5	Radio Illimani	6000kc	1KW
CP6	Radio Illimani	9120kc	1KW
CP7	Radio Illimani	15300kc	1KW
CP12	Radio Fides	6255kc	250w

Long Wave

CP3	Radio Nacional	1230kc	5KW
CP4	Radio Illimani	1000kc	10KW
CP8	Radio America	1450kc	250w
CP9	Radio America	1450kc	1KW
CP10	Radio La Paz	1150kc	120w
CP14	Radio La Noche	1260kc	50w
CP32	Radio Bolivia	1150kc	1KW
CP35	Radio Bolivia	1150kc	1KW

CP1 and CP12 operated by Colegio San Calixto.

CP3 operated by Costas Hermanos, Casilla 596.

CP4, CP5, CP6, CP7, operated by the Direccion General de Propaganda.

CP8 and CP9 operated by Radio America, S. A.

CP10 operated by its owner Gonzalo Munoz Ascarrunz, Casilla 911.

CP14 operated by Sociedad Anonime Radio La Noche, Calle Obispo Cardenas.

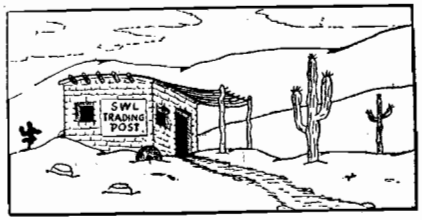
CP32 and CP35 operated by Cia. Internacional de Radio Boliviana, Casilla 669.

NOTE: The city of La Paz, besides being the capital of Bolivia, is also capital of the Province of La Paz.

STATIONS OF THE COLOMBIAN REPUBLIC

Station Name	Call	City	Frequency in Megacycles	Power in Kilowatts
A. Pinzón H.	HJ-FX	Manizales	600	1.000
Radio Cristal	HJ-CU	Bogotá	720	5.000
Voz Victor	HJ-CI	Bogotà	810	2.500
Voz Bogotá	HJ-CC	Bogotá	870	5.000
Hoyos-Restrepo	HJ-CS	Bogotà	920	50.000
Nueva Granada	HJ-CM	Bogotá	970	0.250
Voz-Suramerica	HJ-CO	Bogotà	1.160	1.000
Voz Colombia	HJ-CZ	Bogotá	1.040	2.500
Radio Santa Fe	HJ-CG	Bogotà	1.060	0.500
Emisora Atlàntico	HJ-AH	B/quiila	1.080	0.500
Radio Cali	HJ-EE	Cali	1.090	0.250
Nueva Granada	HJ-CB	Bogotá	1.105	2.000
Radio B/manga	HJ-GE	B/manga	1.130	0.350
Voz Sta. Marta	HJ-BJ	Sta. Marta	1.140	0.500
Voz Valle	HJ-EB	Cali	1.150	0.500
Radio Nutibarà	HJ-DT	Medellin	1.150	0.400
Voz Victor	HJ-AN	B/quilla	1.190	1.000
Emisora Nacional	HJ-CR	Bogotá	1.200	5.000
Ondas del Sinü	HJ-AM	Monteria	1.210	0.250
Ondas Bogotanas	HJ-CE	Bogotá	1.220	1.000
Lab. Fuentes	HJ-AE	Cartagena	1.240	0.525
Voz Antioquia	HJ-DK	Medellin	1.250	0.500
Hernando Bueno	HJ-EL	Cali	1.260	0.500
Voz Cücuta	HJ-BC	Cücuta	1.270	0.440
Radio Santander	HJ-GK	B/manga	1.280	0.280

Ecos Tequendama	HJ-CK	Bogotá	1.290	0.250
Voz Colombia	HJ-EC	Cali	1.300	0.500
Voz Patria	HJ-AK	B/quilla	1.310	0.500
Emisora Claridad	HJ-DQ	Medellin	1.320	1.800
Ecos de la Costa	HJ-AA	B/quilla	1.330	0.250
Voz Higueronia	HJ-EF	Cali	1.340	0.500
Ecos Montana	HJ-DC	Medellin	1.350	0.250
Ondas del Otūn	HJ-FF	Pereira	1.350	0.250
Radio Narino	HJ-HA	Pasto	1.350	0.500
David H. Martinez	HJ-AI	B/quilla	1.370	0.500
Radio Mundial	HJ-CJ	Bogotá	1.380	0.500
Voz Comercio	HJ-DR	Medellin	1.380	0.250
Radio Manizales	HJ-FD	Manizales	1.390	0.450
Radio Cartagena	HJ-AR	Cartagena	1.400	0.250
Hernando Bueno	HJ-EI	Buga	1.410	0.100
Eduardo Gardeazábal	HJ-EK	Tuluá	1.430	0.100
Ondas de Ibagué	HJ-FL	Ibaqué	1.440	0.100
Voz Be la lcázar	HJ-EG	Popayán	1.450	0.500
Ondas de l Magdalena	HJ-BE	Ciénaga	1.460	0.100
Voz Pereira	HJ-FE	Pereira	1.470	0.250
Ecos de Occidente	HJ-DL	Medellin	1.480	0.500
Univ. Antioquia	HJ-DU	Medellin	1.490	0.250
Radio Palmira	HJ-EM	Palmira	1.510	0.100
Radio Córdoba	HJ-DM	Medellin	1.520	0.500
Onda Corta				
FF. Nacionales	HJ-EH	B/ventura	4.755	0.500
Pregones del Quindio	HJ-FI	Armenia	1.540	0.500
Onda Corta				
Radio Manizales	HJ-FB	Manizales	4.765	0.500
Radio Santander	HJ-GB	B/umanga	4.775	0.750
Voz Victor	HJ-AB	B/quilla	4.785	0.600
Ecos Montana	HJ-DX	Medellin	4.795	0.750
Intendencia del Chocó	HJ-DG	Quibdó	4.805	0.150
Voz Cūcuta	HJ-BB	Cūcuta	4.815	0.750
Voz de l Valle	HJ-ED	Cali	4.825	0.720
Lab. Fuentes	HJ-AE	Cartagena	4.835	0.525
Nueva Granada	HJ-CD	Bogotá	4.845	0.720
Voz Bogotá	HJ-CF	Bogotà	4.855	0.750
Voz Amiga	HJ-FK	Pereira	4.865	2.500
Voz Armenia	HJ-FH	Armenia	4.875	0.500
Emisora Claridad	HJ-DP	Medellin	4.885	0.500
Voz Victor	HJ-CH	Bogotà	4.895	0.720
Emisora Atlántico	HJ-AG	B/quilla	4.905	1.000
Voz Pereira	HJ-FC	Pereira	4.915	0.500
Radio Cartagena	HJ-AP	Cartagena	4.925	0.600
Voz Colombia	HJ-CX	Bogotà	6.018	0.750
Voz Pereira	HJ-FA	Pereira	6.054.3	0.500
Voz Antioquia	HJ-DE	Medellin	6.145	5.000
Emisora Nacional	HJ-CT	Bogotá	9.630	2.500
Voz Suramerica	HJ-CW	Bogotà	4.935	1.000



Warren Dame, 5 Central St., Saxonville, Mass. (SWL Cards).

Elmer Neuman, 2224 Woodstock Ave., Swissvale, Pa. (SWL Cards).

John Kezer, 2805—16th Place, N. E., Washington, D. C. (SWL cards).

John Peter Gawel, 95 Jewett Parkway, Buffalo, N. Y. (SWL cards and photos).

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

Vernon H. Shearer, Jr., 219 Whitehall St., S. W., Atlanta, Ga. (Correspondence concerning logging of Alaskan broadcast band stations).

Reg. A. Nunn, Box 80, Hamilton, New Zealand. (SWL cards).

R. Howard Berg, Jr., 621 Melbourne Ave., Melbourne, Fla., (SWL Cards).

James Arp., 421 Mulberry St., Williamsport, Pa. (SWL cards).

Charles S. Werdig, 1619 Irving St., N. E., Washington, D. C. (SWL cards).

David G. Thompson, 3600-22nd St., N. E., Washington, D. C. (SWL cards).

Arthur Woods, 401 Yankee St., Wellsburg, W. Va. (SWL cards).

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

Jesse B. Strawn, Whiting, Kans. (Exchange SWL cards and corres- Brothers so it should not be difficult pondence with foreign DXers).

Gunnar Sandberg, 34 Grevturegatan, 4 St., Stockholm, Sweden. (SWL cards).

Stan Sosnowski, 6615 Horatio St., Detroit, Mich. (SWL cards).

John W. Clark, 28-24 Utopia Parkway, Flushing, N. Y. (SWL cards).

Austin Wardman, 832 Linden Ave., East Pittsburgh, Pa. (SWL cards).

Philip L. Craig, Route D-1, Box 81, Waterville, Maine. (Correspond with owners of HQ-120-X receivers).

Leon Grossman, 118 Dorbeth Road, Rochester, N. Y. (SWL cards).

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

Anyone who has been trying to log Montana might be interested to know that stations KGIR, KRBM and KPFA are on the air every Sunday morning until 4 A. M. or later with a special program. For a penny postcard with the one word Montana on it, listeners can receive a copper buffalo and a buffalo windshield sticker for their car. The first two stations named can be heard here any Sunday morning. (Harold Robie, Springfield, Mass.)

KGIR in Butte sends an original verification printed on a piece of copper which has been rolled as thin as a piece of paper. For a penny post card they send a copper buffalo and for a correct report and a 3 cent stamp they send a copper verie.

QUESTION:

How can I receive Ultra High Frequency stations on my radio?

ANSWER:

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Detroit, Michigan

Send me your guaranteed UHF converter right away. I understand that it is complete, and is not a diagram. Enclosed is 50c. RUSH.

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Address .....

City ..... State .....

Note: Designed exclusively for all-wave superhetrodynes. (Radios tuning to 15 megacycles.)

Radexing With The Radexers

By Ray LaRocque

Within the past two months an avalanche of entries has been received for our Supremacy listings. The new entries have created a much closer race in most of the competitions and makes it even more necessary that we adhere to our first idea of listing only the top five reporters in each group. As promised we are repeating the first three groups and including the three which were unlisted last month.

SUPREME SUPREMACY: For the total number of stations verified —not heard:

Botzum (R42)	1130
Forestieri (R133)	1028
Horton (R1305)	981
Walker (R1643)	890
Tear (R924)	745

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

Reichardt (R1633)	55
Botzum (42)	37
Lippincott (R168)	27
Forestieri (R133)	25
Burnham (R1632)	22

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

Mustoe (R881)		576
France (R701)	20 mo.	475
Richards (R101)	10 mo.	286
Cole (R998)		277
Lee (R1631)	3 mo.	127

U. S. SUPREMACY: For the highest total of states in which every operating station has been verified:

Botzum (R42)	40
Walker (R1634)	29
Lippincott (R1634)	7

OLD TIMERS SUPREMACY: For the oldest dated verification.

Tear (R924)	July 1930
Botzum (R42)	Dec. 1931
Caldwell (R1319)	Oct. 1933
Walker (R1634)	Aug. 1935
Lippincott (R168)	Sept. 1935

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

SUPREMACY FOR NORTH AMERICA: For the most states of the U. S., provinces of Canada, states of Meico, and other individual countries in North America—each country to be classed as a state.

Botzum (R42)	80
Daneker (R1122)	72
Walker (R1634)	71
Lippincott (R168)	71
Horton (R1305)	69
Wright (R23 Ill. 4)	66

There you have the top five Radexers in each group. Groups omitted this month are TP SUPREMACY, TA SUPREMACY, and SA SUPREMACY. These and a repetition of the first three this month will appear in the next issue of RADEX. Complete names and addresses of DXers are listed at the conclusion of this article.

Among the names appearing rather prominently in these Supremacy listings you'll find that of Carl Forestieri. We find it fitting to make mention of Carl at present, for, after about twelve years as an active DXer, Carl has been forced to cease active participation in the hobby due to ill health making it necessary for him to acquire more sleep after a hard day's work. As we have it on August 24, 1928, the date being Mrs. Forestieri's birthday, Carl bought her a Zenith 35PX. The serviceman came at 10 p.m. to install the set and it was 11:15 when he left. "We started listening to the set and before we knew it, the midnight hour had arrived", says Carl and in those days most stations went off at midnight. "An hour later the Chicago stations signed and we spent ¾ of an hour identifying WKY in Oklahoma City which we thought a good catch," continues Carl.

On that night Carl became a DXer and his wife a radio widow, as he puts it. It wasn't till November, 1932 that the first great thrill came to Carl when he logged Radio Trieste on 1211 kcs. "At first it seemed impossible to believe my own ears," claims Carl, "but that announcer was speaking my own language, my native Italian. Yes Radio Trieste was coming in on my loudspeaker." Since that first catch from Europe Carl has gone on to compile a log of verifications that might easily be envied by every DXer in the world. He has among others, CT1GL, Algiers, Radio Maroc, Belfast, 4 Italian, 5 German, and 10 French stations. Also 4 Australian, 1 New Zealand, and countless others among which Carl prizes a veri from a 20 watt Mexican—XEE.

Today, Carl Forestieri has far from forgotten his hobby. He reads RADEX, belongs to many clubs, continues his correspondence with friends, and likes to read what they are doing. Someday, Carl hopes to have the leisure time to devote some attention to DXing again and so do we for the DX hobby could well use many CARL FORESTIERIS.

THIS 'N' DATA

Allen G. Verrill of Brockton, Mass. is the proud winner of a phonograph attachment for his radio—the prize awarded by KFWB to the most distant reporter on one of their programs. . . . For James O. Weaver of Elkhart, Indiana we'd like to mention that the Colombian on 1190 is HJAN "La Voz de La Victor" in Barranquilla Colombia. Power is 1000 watts. . . . Anyone having the address of HC2ROZ on 900 kcs. should communicate same to this column for Radexer Stephenson of Oklahoma City. . . . Many stations seem to use their call letters to signify the importance of their communities as world markets. Witness: WLPM—World's Largest Peanut Market, WFTC—World's Foremost Tobacco Center, WGPC—World's Greatest Peanut Center, WBTM—World's Best Tobacco Market, WGRC—World's Greatest Radio Center, WFBM—World's Foremost Beef Market, WGCM—World's Greatest Cotton Market, WMFG—World's Market For Grain. For the preceding we say Thanks, James O. Weaver.

The SWL card of Reg. Nunn of Hamilton, New Zealand. It is a three color card, blue, green and red. He will exchange cards if you send yours to P. O. Box 80, Hamilton.

RADEX readers who use the index a lot will find the following suggestion of Edward Laudansky, Dorchester, Mass. useful. He suggests they pry up the staple and put a gummed reinforcement under each corner. The pages will not come loose again. . . . An azimuthal map of the world with Washington, D. C. as the center can be purchased from the hydrographic office of the U. S. Navy for 30c. Ask for #5199. For this bit of news our thanks to Elwood Cole of Silver Springs, Md. . . . "The Cuban on 640 kcs. has been heard many times but when they are coming in, so are CMCD and WSM on each side of them. I have never been able to get the correct call. Anyone know it?" This from James O. Weaver, 2317 Pleasant Plain Ave., Elkhart, Ind. . . . Radexer Thomas M .Moss, Hapeville, Georgia wants to suggest that the

RADEX Club have printed membership stationery, seals, and buttons....

For the benefit of Hubert L. Martz, 22 N. Potomac St., Hagerstown, Md., F. J. Soto of Chicago states that his station on 1030 kcs. is XEB in Mexico City. The 900 kcs. station referred to may have been XENT which is on 910 kcs. . . . On Feb. 23 both WRC and WOL's program lines were destroyed due to a fire which burned the telephone cable cutting the studio from the transmitter. WOL left the air for about half an hour then continued with recordings. About 11:45 p.m. WRC made contact with the studio by short wave via WNBU, 2580 kcs., but the quality was not good enough for rebroadcast—it was discontinued and the station continued with recordings until sign off. . . . Can anyone tell Paul George of 3 South View St., Aurora, Ill. what Spanish speaking station he is hearing on 985 kcs. between WBZ and KDKA.

PITTSTON, PENNSYLVANIA—Thomas Black: "Reports are out to Stavenger, Frankfurt, Paris PTT, Poste Parisien, Nice, YV1RD, HJ1ABN. My best veries are JOCK, JOHK, Fecamp, Belfast, 4YA, VAS, YV1RM and ZNS. A German station on 760 kcs. with physical exercises has been heard around 2:15 a.m."

CHICAGO, ILLINOIS—Mrs. Bee Catalano: "Can anyone tell me what kind of aerial to use to hear the stations in Washington and Oregon. I have never been able to hear any of them—even on test programs."

WILDER, TENNESSEE—William Prater: "What all night Spanish speaking station is now operating on 1150 kcs. I've listened to them several mornings between 3:30-4 a.m. I have not heard English spoken yet. Another station on either 1380-90 kcs. an all-nighter also—an American, but I cannot catch the call."

EKHART, INDIANA—James O. Weaver, 231 Pleasant Plain Ave.: "Can anyone give me any tips on when to tune VONF, ZNS, and any Argentine station. I have tried quite often for VONF at their sign off time, but I don't seem to be able to hear them."

COLUMBIA, TENNESSEE—W. A. Dobbuis, Route 1: "I tried daytime DXing a few days ago and picked up 25 stations with my old 3 tuber from 11 a.m. to 1 p.m. The best catch was WOAI, 800 miles away. There were plenty of others but I was interested in signals of good quality only."

ROCHESTER, PENNSYLVANIA—A. G. Schleiter 830 Case Street: "I have logged up to January 1, 1940 a total of 945 stations, just 52 more than in 1938 when I logged 893 stations. I started a new log on January 1, and in eactly one month I have heard 744 stations, an average of about 22 daily—3 every hour on an 8 hour average."

DETROIT, MICHIGAN — Henry Dahl, 101 W. Philadelphia: "Since last time I wrote you, I have increased log by 180 stations, largely with the aid of an eight tube Erla of 1932 vintage. XEAC has been coming in R9 plus lately."

BRONX, NEW YORK CITY—Joseph Schwartz, 1355 Morris Ave., Apt. 4F: "The first thing on the menu is an aside to Radexer Starr. The only small receiver that I know that tunes the long waves is the A C Lafayette model S-45. This is also equipped to tune the broadcast band and shortwaves."

PHILADELPHIA, PENNSYLVANIA—Frank S. Macolly, 418 Monastery Avenue "Being a reader of RADEX for the past ten years, I thought I'd write a few lines. I want to say that it is the best ALL WAVE Radio Log on the market. I like the articles by B. Francis Dashiell and am interested in seeing more news about the "Not-So-Short Waves." The Month's changes in station data is the one and only of any account in any Radio magazine.

Of the 1138 stations listed in the broadcast band, I have 751—of the 817 American stations listed, I have 645—of the 321 foreign, I have 106—Of the 489 American "W" calls, I have 435—Of the 328 American "K" calls, I have 200. I have heard all frequencies but 540 kcs., all the states in the U. S., Cuba, and Mexico, Canada, Porto Rico, Hawaii, France, Argentina, Colombia, El Salvador, Guatemala, Newfoundland, and England. Over 5400 amateurs, over 300 Police calls and over 300 shortwave stations are in my log. All but four states have been heard on the police band.

My collection of "Ekko" stamps mounts to nearly 800 stamps, my verification letters number over 1000 including some 25 foreign stations on shortwave bands. . . . Back in the old days I entered such stations which are perhaps unheard of today by many DXers: KOP, WCX, WEAM, WEBH, WGI, WJY, WNJ, WOAV, WRK, WSY, WWAF, PWX, CJCM, CYL, AT-9, 6KW, 9BY, 9BM, 9CY, 9CN, 5NO, and 2EH—the last two being in England and were heard during the International tests in 1924. . . . Others heard as early as 1923 that old timers will recall are WOO, WGM, WLK, WBAY, WIAD, WDT, WQAO, WMH, and WQJ. Anyone wanting to know more about these stations from me can obtain information by writing and enclosing self-addressed stamped envelope. I have heard as much as 100 station in one night in 1929 and 1930—when it was a stunt to do this."

PORT CREDIT, ONTARIO—Selwyn Adamson, Indian Valley Trail: "I recently became re-acquired with RADEX. I might be regarded as one of the old antiquated clan of DXers, having set up many a night way back around 1928-32. Those were the days when shortwave was something that very few ever heard of—and when there were many excellent catches on the broadcast band. I think that receivers of that day were every bit the equal of those of today, as far as getting distance is concerned. The thrill of my life came when with a 90 ft. aerial on my 8-tube Serenader I dragge din a 15 watter in Tampico, Mexico. Incidentally this old set still performs well, but a new 6-tube Knight receiver gets most of my attention now as I DX on shortwaves. Please convey my greetings to all the "old timers" who are still getting a kick out of DX."

MINGO JUNCTION, OHIO,—Peter J. Danko, 308 Lincoln Avenue: "I have been getting a station on 650 kcs. I got this station on every morning for a week. It might be only 648 or 649 kcs., but it seems to be right on the same spot that I find WSM. At 4 a.m. I heard the clock strike 9 or 10 and then the announcer said, 'This Is London Calling!' Can anyone help me—there are no British stations listed on this channel?"

SOUTH BEND, INDIANA—Harold L. Ball, 3321 N. Side Blvd.: "For about ten years I have been a confirmed DXer, but I didn't start collecting verifications until recently. RADEX has been much help to be in DXing. Following stations did not answer my verification requests in 1939: WNEL, KWEW, KPLC, KUTA, WJIM, and WROL."

COVERING THE CONTINENTS

Domestic Dialings

Komments from the "K" district: KAWM in a veri states that in the three years that they have been on the air, mine is the first report they have rec'd from Tenn. (William Prater, Wilder, Tenn.)

KTSM in Emporia Kansas are an MBS outlet. Their call signifies Kenneth Trimble and Sewall Warren. (Gerald Harris, Kans City, Kans. R729 Kans 5)

KGIR in Butte, Montana has for their veri a stamped piece of copper about three inches wide and five inches long. They also send along a copper buffalo. (Sidney Tellis, Philadelphia, Penna.)

. . . . KGHI's card could easily be mistaken for a ham QSL. It is

printed in yellow, green, blue gray and black and is certainly worth a report. (Elwood B. Cole, Silver Springs, Md.)

KOMA on 1480 kcs. comes on at 7 A.M. and off at 1 A.M. No test programs, but veries correct reports. KTOK on 1380 kcs. on from 7:30 A. M. to 1 A.M. Has a test program on the 2nd Tuesday of each month from 3:45 to 4 A.M. DXers should try for these tests. . . KOCY on 1310 kcs. also sends veries for accurate reports. They have test on 1st, 3rd, and 4th Tuesdays of each month from 6:38 to 6:50 A.M. (Ernest R. Forrest, Oklahoma City, Okla.)

KPOF was heard on a test between 2:45 and 3:15 A.M. on March 8th. Apparently they test each second Friday at this time. . . KID conducts a DX broadcast the second Sunday of (Frank Susoreny E. Chicago, Ind. R1- the month form 3:15 to 3:30 A.M. 421)

KWTN on 1210 kcs. Watertown, S. Dak. is deleted, 2nd a new station KWAT in that city is under construction. Will begin operations about Feb. 1st.

CMQ Havana has shifted to 690 kcs. on top of XET Monterey, XET broadcasts American "Hill Billy" music from 6 to 8 A.M. and from 7 to 11 P.M. Since there is a great battle between XET and CMQ with the Cuban sometimes having a little the edge, and since XET is using San Antonio for their commercial mailing address, it is probably that we may soon have a frequency change. (Pat Webb. San Antonio, Teas)

XEZ in Merida, Yucatan sends a very attractive blue and yellow card. Picture is in yellow an dwhite backgrown with call letters and verification in blue, XEZ on 630 kcs. was heard on their program dedicated to the NRC. (Hal Robie, Springfield, Mass. and James O. Weaver, Elkhart, Ind.)

XEAG sends a card letter and souvenir and commented on my full report. They seemed very glad to get reports on their DX broadcasts. (Arthur Parfitt, Cleveland, Ohio)
several occasions in the early mornings from 3 to 6:30 A.M. (James O.

XET on 690 kcs. has been heard on Weaver, Elkhart, Ind.)

Does XENT verify? Report was sent them and all that was received is a booklet on cancer cure. (C. R. Bendes, Pittsburgh, Pa.)

Panama: HOK on 640 kcs. was heard January 28th. They came in here R6. . . Also heard HP5K the same morning relaying the same pro- Ill, and James O. Weaver, Elkhart, gram. (Paul George, R542 Aurora, Ind.)

Porto Rico: A new station will soon be operating in Puerto Rico, WPAB are the call letters of the stations to be operated in Ponce, on 1340 kcs. with 1000 watts. (Lee Grossman, Rochester, N. Y.)

Tuning the TA's

It has been mentioned in the paper that the war has made it impossible that the convention of Montreux be placed into effect internationally, as was scheduled on March 4. England, France and Germany have already announced that under the prevailing change of wavelength. Smaller countries look upon any change with disconditions they will not effectuate the favor as present conditions make it difficult to obtain necessary materials with which to make changes. So, the Montreux plan, though it will be kept for further use, will undoubtedly not be effectuated this season. (Anton Jansen, Boskoop, Netherlands.)

Albania: Radio Experimental Tirana II (234 mtrs) uses but 10 watts, but will increase to 50 kw. when new transmitter is complete. . . March issue of "Radio Revista Tirana mentions Tirana II on 1289.5 kcs. with 10 watts and on 1384 kcs. with 250 watts power. No schedule mentioned. (An ton Jansen, Boskoop, Netherlands.)

Bohemian and Maravian Protectorate: Former station "Prague II" at Melnik on 1113 kcs. is now called Reichssender Bohmen (State Transmitter—Bohemia) using only German during regular programs . . . the former Prague on 638 kcs. carries the transmissions in Czech. Station announcements also only in Czech and transmissions close with Czech anthem. Same interval signal as formerly —4 harp strings. . . Tropau on 1204 kcs. which apparently is the former Czecho Slovak station "Moravska Ostrawa" is now an auxiliary transmitter of the Resichssender Breslau along with Gorlitz and Gleiwitz. . . Kosice on 1158 kcs. is now a station of the Hungarian broadcasting system since Hungary has annexed this Czechoslovak city. The station is now called "Kassa." No data is available on the status of the former stations Brno, Banska Bystrica, etc, but as soon as I have information I'll send it to you, Bratislavia is now the national Slovak station. (Anton Jansen, Boskoop, Netherlands.)

Finland: Stations are Lahti on 1807.2 mtrs., Helsinksi on 400.5 mtrs., Oulu on 696 mtrs. Vassa on 211.3 meters and Turku on 335.2 meters. (Anton Jansen, Boskoop, Netherlands.)

France: A French station was heard on 695 kcs., but due to terrific QRM, it was impossible to make positive identification, Signal peaked about R5, Piano music was heard . (Allen G. Verrill, Brockton, Mass. R968.)

Idon't hear "Radio International" any longer. Nor do I hear "Radio Normandie". So the station appears to have ceased to transmit. I do not know the reason. (Anton Jansen, Boskoop, Netherlands.)

Great Britain: British Broadcasting corporation transmitters heard on 775 kcs. and 670 kcs. from 2:35 P. M. EST. to 3:15 A. M., both have good signals. Peeked R9 plus on 29th and 30th. News broadcast presented at 3 A. M. (Allen G. Verrill, Brockton, Mass. R968.)

The longwave station at Droitwich on 200 kcs. is no longer operating (Anton Jansen, Boskoop, Netherlands.)

Germany: German station on 765 kcs. heard with band music and German anouncements, a very strong signal R7 to 9 plus. Heard from 2:20 A. M. to 2:35 A. M. EST. (Allen G. Verrill, Brockton, Mass. R968.)

"Reichssender Saarbrucken" on 1249 kcs. apparently has been put out of service. As you will know ,Saarbruckern has been evacuated. On the other hand, the evacuated French city of Strassbourg has kept their station "Radio Strassbourg on 859 kcs. in regular service. (Anton Jansen, Boskoop, Netherlands.)

Luxembourg: As you will know, not long after the beginning of the war, the long wave station Luxembourg on 232 kcs. closed down. All the staff has been put out out of service. (Anton Jansen, Boskoop, Netherlands.)

Netherlands: Present stations include the longwave Hilversum I with 120 kw. Hilversum II on 995 kcs. with 60 kw. and Jaarsveld on 724 kcs. These two new transmitters are under construction at Lopik and will not be opened on new frequencies, but will replace Hilversum II and Jaarsveld on their respective frequencies. Power on both these new transmitters will be 250 kw. (Anton Jansen, Boskoop, Netherlands.)

Poland: In the part of Poland occupied by Germany the following changes in broadacsting have taken place. The former Torun transmits on 906 kcs. and is now called Danzig I. Danzig II operates on 1303 kcs. . . . The well know longwave Warsaw transmitter was destroyed during the cannonade of Warsaw last September. There is a German station on the same frequency announcing as "Hauptsender Lodz I" (Head Transmitter Lodz I) which is supposted to be the old transmitter used on 244 kcs. by Deutschlandsender as the latter station now has a new one. . . . This longwave station is relayed by "Warchau" (German for Warsaw) on 1384 kcs. (formerly Warsaw II) and by "Krakau" (German for Cra-

cow) on 1022 kcs. and by Lodz II on 1339 kcs. The Katowice station which operated on 758 kcs. was also destroyed and will be rebuilt to operate on 249.2 mtrs. under the German name for the city — Kattowitz. Information is lacking about the Lwow transmitter 759 kcs. as that city is in Russian territory now and same is true of Wilno 536 kcs. now in Lithuania in the city called Vilnius. (Anton Jansen, Boskoop, Netherlands.)

Spain: A 20 kw. transmitter has been erected at La Corun (having been transported from Burgos) and will operate on 968 kcs. (Anton Jansen, Boskoop, Netherlands.)

Tripoli: Radio "Tripoil" veri card received by (Clarence Burnham, Gloucester, Mass.)

TP Topics

TP's are beginning to show some strength and 4 QS is one of the latest heard. 1ZB also heard recently . 1 YA was heard 3:15 this a. m. (Joseph T. Lippincott, East Vassalboro, Maine.)

Australia: 4QS the new station on 760 kcs. is an easy catch running an R8 signal on peaks and never below R5. (Isaac T. Davis Elkhart Texas.)

The following Australian along with a few New Zealand stations are being heard 3:45 a. m. to daylight, reaching a peak around 5:30 a. m. 1YA, 3AR, 4QN, 5CK, 2CO, 2NR, 4QS, 4QG, 3GI, 2CV, 2GB, 2UE, 2GZ, 2KY, 4BC, 2NC, 3TR, 4BH, 4YZ, 3YA, 2YC, 4ZB. (Harold B. Schubert, R1323, Britt, Iowa.)

Hawaii: KGMB verified on December frequency check with government post card. It pictures the map of Hawaii in green and is printed in black. (Frank Susoreny, E. Chicago, Ind.)

KHBC in Hilo is now operating on new frequency of 1300 kcs. (Merlin Steen, Decorah, Iowa.)

New Zealand: N. Z. National stations stay on the air much later than they did before the war. They now sign off at midnight N. Z. Standard Time, which is, as you know, 7:30 a. m. E. S. T. . . . I heard 2YA signing off on 650 kcs. last Sunday Has this station moved to that frequency? I thought I was listening to 1YA until he announced 2YA signing off. (Isaac T. Davis, Elkhart, Texas.)

Japan: JOAK-2 on 970 kcs. came in almost as loud as WENR does and a station in parallel with them on about 760 kcs. were heard. Another station speaking an oriental language was heard on 810 kcs. (Pat Webb, San Antonio, Texas.)

Oriental music was heard very weakly on 590, 660, and 790 kcs. after 5 a. m., so I believe I had JOAK-1, XGZ, and JOGK. (James O. Weaver, Elkhart, Ind.)

Supremacy Contestants

R23, Ill. 4—Richard Wright, Swarthmore, Pa.

R42—Robert Botzum, Reading, Pa.

R101—Weston Richards, Zion, Ill.

R133—Carl Forestieri, Bronx, New York City

R168—Joseph T. Lippincott, E. Vassalboro, Maine

R701—William France, Bridgeport, Ohio

R881—Clarence Lee Mustoe, Brady, Mont.

R924—Harold Tear Roanoke, Va.

R998—Edward B. Cole, Jr., Silver Springs, Md.

R1122—Richard Daneker, Lansdale, Penna.

R1319—Alton L. Caldwell, Brockton, Mass.

R1631—Thurston L. Lee, Fort Benning, Ga.

R1632—Clarence, Burnham, Gloucester, Mass.

R1643—Jim Walker, Cass, W. Va.

HIGH FREQUENCY GLOBE TROTTING

By Ray La Rocque

Readers living in the Eastern and Central Standard Time Zones may send their reports direct to Ray LaRocque, 4 Wachusett Street, Worcester, Mass.

G. R. Jewell, Jr.	**100%**
John A. Shanks	**57%**
M. C. M. Horlick	**55%**
Anton Jansen	**49%**
John D. Long	**46%**

Absent from our meter for one issue, while he transported his listening post all the way from Alabama to California, G. R. Jewell is back again with a bang. He walked away with top honors this month, while practically every other reporter on the list battled fiercely for second place. Honorable mention this time is being given to M. F. Williams, Pat Web, C. R. Bendes, and A. L. Kempton.

Your chief Globe Trotter begs the forgiveness of every RADEXER, for we have not been able to reply to all corespondence, as has been our past policy. So heavy has been the mail, and the time to answer letters so short, that we've had to cut down and reply only to those letters which necessitated immediate reply. Others who have replies coming to them will receive them in due time. In the future we're going to have to make most of our ackowledgments and replies through the medium of this department. Of course, the enclosure of self addressed and stamped envelope will bring a personal reply. So we beg you to continue to send your grand reports to us and we'll do our best to respond and acknowledge every one of them in RADEX.

ASK US ANOTHER

"How does one go about getting a veri from WMI, Lorain, Ohio", is the query of Henry Bennett, 644 Atlantic Ave., Collingswood, N. J. Radexer Bennett further asks, "Does **anyone** know if W3XQH on 2420 kcs. is an experimental station of the Indianapolis Police Dept?" . . . . A station in China has been heard about 9 p.m. on 9630 kcs. by Ernest R. Forrest, 224 E. Park Place, Oklahoma City, Okla. Ca nanyone give further information on this station.

Alton L. Caldwell, R1319, Brett St., Brockton, Mass. would like some information on a station playing Straus waltzes without announcements on about 7090 kcs. The station was heard from 12:07-12:33 a.m. At 12:30 a man spoke briefly, but was lost in **QRM as** the station left the air. . . . Answering RADEXER Budden of Montreal, Joseph Schwartz, 1355 Morris Ave., Bronx, N. Y. relates "Deutsche Freiheit Sender is the anti Nazi portable mobile station working in former Austria." Now for a query of his own, friend Shwartz asks to know the location of Y2J and VYQ, both Canadian Police stations. . . . "I would like information on two stations", requests Kyle C. Bonifield, Asbury Park, N. J. A Dominican on 11870 kcs. heard at 8:30 p.m. and a station speaking both English and French broadcasting a play concerning Marie Antionette on 9500 kcs. late Tuesday evening.

A Colombian station on 4980 kcs. anouncing as P. O. Box 77 is puzzling

The attractive QSL card of CT1QA, heard often in the United States on 20 meter 'phone, although his power is only 32 watts.

John A. Shanks, Russellville, Tenn. Has anyone the answer? . . . "Who is the station I heard from 1-2:30 a.m. on 9505 kcs. on March 5?" That question is from L. F. Dolbow, R1441, Kansas City, Kans. "The signal was very strong," continues Radexer Dolbow, "but badly QRM'd by GSB. A gong was struck, and woman announcer used. The language was strange."

Alfred Mozzi, 124 Charles St., Menden, Conn. relates, "Yesterday I heard a station with the call letters WWOA on 42-43 megacycles. Will you please tell me the location and what kind of station this is?" . . . H. L. Tomkinson, 49 Main St., Mt. Holly, N. J. would like help in identifying a station on about 10900 kcs, which has been heard as early as 11:05 a.m. and signs off at 3 p.m. with chimes and clock striking eight. . . . "I would appreciate it if someone would tell me whether WGEO are using their new amplifier, and if so how much power they are running at the present time? Has their tips program been discontinued, or merely changed to a new time?" The preceding is from Pat Webb, 1525 Hicks Ave., San Antonio, Texas. . . . Asks Clarence Burnham, 6 Avon Court, Gloucester, Mass, "WOAJ and WOAK on 2726 kcs. have been heard R9—who are they?" . . .Mr. Edward H. Draper, R.F.D. #2, West Burke, Vt., had his name erroneously listed as T. P. Draper in RADEX a few months ago and has been getting mail addressed in that fashion. He'd like his correspondents to know his correct name, so here it is! . . . A mystery station has been heard on 9700 kcs. just a hair higher than TGWA. It was heard by Charles L .Carroll, 298 East Scott Ave., Rahway, N. J. at 9:15 until 11:03 p.m. Sign off number was the French National Anthem. All announcements were believed to be in Spanish and "Beer Barrel Polka," was identified as one of the numbers. . . . Helen L. Lind, 1059 Maplecliffe Drive, Lakewood, Ohio is hearing a CIX on 5830 kcs. "Somebody Stole My Gal" was the first English song I've heard from the station. The station signed off a few minutes before midnight with the song "Goodnight, Goodnight." . . . A BBC station on or very near 1000 kcs. has been heard broadcasting the same program as the 17810 kcs. station. Any information about this station will be appreciated by P. P. Malley, 371 Spoke St., Pittsburgh Penna.

QUOTE AND UNQUOTE

John H. Sanders, 612 2nd Ave., Williamsport, Penna: "I have received every continuent and a lot of stations in South America, Europe, and Australia. I also have a verification from back in 1929, along with G5SW and VK2ME."

Eric Butcher, Beira, Portuguese E. Africa: "Stations here gave me a very fine reception at Lourenzo Marques, and the English announcer, Miss Hedwiges Sequeira is very charming. This station deserves a little publicity. The best station received daily except the high power Europeans is TAP, Ankara, Turkey. What with tropical static and electrical interference reception tonight is almost impossible from 6:30-11:00 p. m. E. S.T."

Murray Vaughan, Saint Martins, New Brunswick: "I am the only radio fan in this district. I am thirty miles East of St. John on the Bay of Fundy. The receiver used is a Freed Eisemann with six tubes."

Lester E. Balcome, R1312, Malden, Mass.: "Just now I am engaged in lending a hand with the communications section of the newly formed Civilian Air Reserve at the local airport. We plan to operate on 160, 75, and 20 meter phone. Also it may be possible to install 2½ meter transceivers in the plane. It's going to take some little time and plenty of 'elbow grease', that's certain."

Pat Webb, San Antonio, Texas: "I believe the greatest thrill I have had in my years of DXing was on the Sunday that the German Battleship, Graf Spee was scuttled at Montevido. All day long WOD, New York had kept up a circuit with LSY, Buenos Aires—who had a land line to the dockside with an announcer who had been waiting there all night. Every few minutes he would give reports of activity to the NBC in New York. Most of it was very interesting, but was not put over the networks. Then, a few minutes before six in the evening, there was an excited murmur of voices in the background, a loud noise which might have been the reverberation of a distant explosion, and the announcer shouted excitedly to be put on the network—that the ship had been scuttled! Two or three minutes later the whole country heard the news, but I was lucky enough to be one of the first."

Myron Ksenich, Lorain, Ohio: "I've verified 243 stations and on the shortwaves I've verified 44 stations from 25 different countries. My prize catches are 'Radio Saigon' and JDY—both verified."

Kyle C. Bonifield, 519 Asbury Ave., Asbury Park, N. J.: "I'm interested in a simple diagram of a one or two tube long wave receiver. Perhaps you could print such a diagram in RADEX. I also think it a good idea if a list of all foreign C.W. and phone stations could be printed."

M. E. Williams, 119 S. 8th Street, Newark, New Jersey: "Realizing that many SWL's and transmitters do not possess an up-to-date Call Book, and frequently they desire to send a report to a station whose address is unknown, I have formed a free service for all who wish to take advantage of it. The American SWL Bureau will forward your SWL cards to ham stations requesting him to mail you a card in return. All that is asked is that you do not mail your cards in packets—post each one of them separately so that the receiver will see the postmark. Simply address each card to the station desired in care of the American SWL Bureau. The following countries only are covered: CE, CM, CO, CP, CX, EA, HC, HH, HI, HK, Hp, HR, K4, KB4, K5, K6, KA, KB6, KC6, KD6, KE6, KF6, KG6, K7, LU, NY, OA, PY, TG, Ti, VE, VO, W, XE, YN, YS, Yv and ZP."

Artie Fleming, R236, Parkville, Missouri: "Now that the weather has warmed up, I hear very strong signals regularly from Europe on 17, 19, 25, and 31 meters 24 hours a day. I have heard a lot of ship-to-shore telephone on 2500-2800 kcs., but I haven't found that part of the band listed. What issue of RADEX would include this band?" (Nov., 1939).

ULTRA HIGH

Perhaps the most talked-about use of the ultra high bands at the moment is "FM" as it is known or Frequency Modulated broadcasting. It has been predicted that as many as 100 or even within the period of a year. That the 200 such stations would be in use new system invented and developed by Professor Armstrong of Columbia University is a definite and distinct step forward is beyond a doubt to us and to anyone else who has witnessed a demonstration of "FM" broadcasting. Just how much time will be consumed in switching the public from the present sytsem to the new method of reception (It will mean an entirely new receiver as present receivers cannot receive "FM" emissions) is a major question. Advantages of the new system are numerous, disadvantages, few.

Among the advantages, are a signal free of background noises, atmospheric static, and all made interference as well as free of inter-station QRM, as a receiver will pick up only the

strongest signal on any given channel. Add to this a range of tone which extends far above and below limitations of the human ear, enabling the music lover to hear symphonies and operas just as if he were present in the concert hall and you have the greatest step forward in radio in many years!. Yes sir, DXers, Television and other developments will have to take a back seat for "FM" broadcasting is the fertile field for pioneer DX activities right now. We'd like to hear reader re-action to this new method of broadcasting and would also like to have reports from DXers who have or intend to do any listening on these new types of receivers, which are available now as single units or as combinations to receive the present type of signals as well as "FM" signals.

W5XAU on 26125 kcs. in Oklahoma City relays WKY from 7 a.m. to 11 p.m. daily Reports are requested and veri cards are issued. Reported (Mass.) as the best signal on the band. (Forrest—Okla., Horlick—Ohio, and Caldwell—Mass.)

W5XD on 25300 kcs. in Dallas is heard from 11 a.m. to 2:30 p.m. Also has been reported using facsimile on broadcasts. (Horlick-Ohio, and Caldwell-Mass.)

W8XNW on 15300 kcs. in Cincinnati, O., is heard on Wednesdays from 1-4 p.m. (Horlick-Ohio.)

W9XH on 26050 kcs. at South Bend has been heard very well relaying the programs of WSBT. (Caldwell-Mass.)

W9XLA on 25400 kcs. in Denver is heard very well relaying the programs of station KLZ. Schedule is daily from 11 a.m. to 3:30 p.m. and Saturday from 1-7 p.m. (Caldwell-Mass, Horlick-Ohio, and Hill-D. C.

W9XOK on 25300 kcs. in St. Louis, Mo. relays KXOK and is heard on Mondays and Wednesdays from 12-1 p.m. (Horlick-Ohio.)

WAVA on 30700 kcs. in Alexandria has been heard operating with at least two mobile units. (Hill-D.C.)

A New York State Police station is heard here Wednesdays and Fridays on 31500 kcs. from 2-2:30 p.m. (Horlick-Ohio.)

NOT SO SHORT WAVES

We acknowledge a communication from F. R. Rogers, American Legion, Ira Lou Spring Post #149, Jamestown, New York; parts of which are included in the following: WANC is our portable station and is the only special emergency stations operating on the special emergency frequencies, (3190 kcs, for C.W. and 2726 kcs. for phone) which is owned by a disaster relief organization. During the Ohio River flood in 1936-37 we operated in North Vernon, Ind. where WANC worked one week for HQ 76th, Brigade, Ind., National Guard. We sent ten men, truck, trailer, one car, radio station with gas engine and generator, telephone switchboard, field telephones, 300 ft. telephone wire, first aid supplies, two weeks rations for our men, a complete mess outfit, gasoline stove, cots and bedding, etc. . . The FCC has given us special authority to work amateur stations in order to be ready for emergency work in time of disaster. We are on the air for test schedules each Wednesday night from 8-10 p.m. Equipment is designed to operate in our trailer, but except in emergency work it operates from the Legion rooms. We are glad to arrange test schedules with any amateur station. All reception reports will be confirmed if two one-cent stamps are enclosed."

WCYE in Harrisburg, heard in contact with WDGO . . . WHCU is off the air at 9:50 p.m. (Hathaway, Ill.)

WMCM is not the boat Uruguay as stated by Szabo, R1302, in January issue of RADEX. It is the Police Dept. of Montgomery County, Pa., at Morristown. It is on 2366 kcs. with 500 watts. (Bennett—N.J.)

Coast Guard has absorbed the Light House stations so that the calls are now "N's", and the Great Lakes Light House and Guard stations will be on 3404 kcs., and all others on 3410 kcs. The New York district stations will call on 2670 kcs., and answer on 3410 kcs. The three-letter calls of the United and TWA are changed to four-letter calls, beginning with KUAA to KUAY, and I suppose the other aero three-letter calls will also be changed.

HHYB has been identified as a coastal harbor station in Port-Au-Prince, Haiti on 2738 kcs. . . . KNLO was listed wrong in my past report—should have been KNJR of Death Valley, Calif. on 3415 kcs. . . . Does anyone know what police station on 1690 kcs. is heard giving reports in Spanish evenings near midnight?

VE9CO operating aboard Canadian ships and testing transmitters to be used on the Great Lakes is on 2118 and 2738 kcs. VE9CO contacts W9-XTD at Lake Bluff, Ill. on 2514 kcs. (All of preceding from Roman-Ill.)

SHORTWAVES IN REVIEW

Albania

ZAA on 7840 kcs. at Tirana uses a power of 3 kw. Actual schedule is from 6:20 a.m. to 8:30 a.m. on 7840 kcs., and from 7:20 a.m. to 5 p.m. on 6080 kcs. (Jansen—Netherlands)

Angola

CR6BE on 10900 kcs. at Benguela, has been heard here at 3:20 p.m. as a local station. (Butcher—Beira, Portuguese Africa)

Argentina

LRA on 9710 kcs. is heard when QRM is low. Good dance music is heard.

LRU on 15290 kcs. is heard with strong signals from about 8:30-10 a.m. LRX on 9660 kcs. is a good nightly catch for all DXers. They are in from 6-11 p.m. featuring American and Argentine music. (Jewell-Calif.)

Australia

VLR on 9580 kcs. at Melbourne is still heard in the early mornings with R6- signals. News is featured. (Jewell-Calif.)

VLQ-5 on 9680 kcs. at Sydney, operates from 6:30-9 a.m. Reports requested sent to Australia Broadcast Commission, Shortwave station VLQ-5, Sydney. (Long-Ga., Ksenich-Ohio, Henderson - Pa., Bonifield - N. J., and Shanks-Tenn.)

VLW on 9650 kcs. at Perth, W. Australia comes in with a strong signal daily. (Ksenich-Ohio)

Bahama Islands

ZNS on 6090 kcs. is heard fine from 7:30 p.m. when they relay B.B.C. They announce "This is Nassau calling", just before 8 p.m. (Kempton-Mass.)

Brazil

PSEA (or so it sounded) on 15220 kcs. (approximately) heard with an R9 signal speaking only Spanish. Call letters were announced after each musical selection. They were heard from 11:08-11:58 a.m. (Hankins-Pa.)

Belgium

ORK on 10300 kcs. at Russelede is heard with fair signals from 1:30-3 p.m. ORK has been heard irregularly here of late. It may be due to the situation in Europe, but this station has not been heard nearly as consitent as in the past. (Jewell-Calif.)

Bulgaria

Sofia on 9505 kcs. is heard on the following schedule—from 3:30-5 p.m. They also operate on 6100 kcs. (Shanks-Tenn.)

Canary Islands

"La Voz de Gran Canaria" of Las Palmas is heard with good signals daily. They are low in the 40 meter band until 2 p.m. with their "Emision de la Tarde". They do not announce call letters or frequency. (Jansen-Netherlands)

Chile

CB-1180 kcs. on 11945 kcs., having recently shifted frequency, is about the best heard station from that country. (Williams-N.J.)

China

XMHA at Shanghai was heard with strong signals at 10:30 A.M. on March 18, others heard well on that day are KRZH, KZRM, MTCY, PLP, LKV, LKQ, and TAP. (Hoadley-Ont.)

XGOX at zechwan on 15200 kcs. is heard broadcasting to North America from 8:30 to 10:45 P. M. Listeners are

cordially invited to write, address is "The Voice of China" Station XGOX, Chungking, China. (Long-Ga., Fisher-Mich., Kempton-Mass., Jewell-Calif., Hoadley-Ont.)

Colombia

HJAG is now transmitting on a second frequency of 9810 kcs. and conducts tests after 6 P. M. irregularly. (Williams-N.J.)

HJCP Bogota, Colombia on 9630 kcs. is a new station, heard giving a test program from 5:03 P.M. to 5:10 P.M. Signal was very strong. (Kastner-Texas)

HJBB on 4815 kcs. is the new call of HC2BAB at Cucuta, Colombia relaying HJBC the former HJ2BAC of the same city. They broadcast until 11 P. M. (Stephenson-Okla.)

Costa Rica

TIPG at San Jose on 9616 kcs. broadcast an English hour every Wednesday and Saturday from 9 to 10 P.M. called The Hour of Costa Rica. (Kastner-Texas)

Cuba

COX 7on 4290 kcs. Operated by the Cuban Army, with 5 kw, broadcasts every day from 6 to 10:30 P.M. (Rodriguez-Cuba)

COX 4 on 6390 kcs. Operated by the Cuban Army, with 5 kw, broadcasts daily from 2 to 3 P.M. (Rodriguez-Cuba)

COCY on 9230 kcs. Operated by Autran & Carbo with 2 kw., G. No 509 Vevado, Habana, Cuba. They broadcast daily from 5 to 8:30 P.M. and relay CMCY, QRA Cuerpo de Cultura del Ejercito Constitucional, Ciudad Militar, Marianao, Cuba. (Rodriguez-Cuba)

CMY on 8415 kcs. is a new station heard between 4 and 5 P.M. daily. Address is Observatorio del Calegio de Montserrat, Cienfuegos, Cuba. (Williams-N.J.)

COCQ on 6360 kcs. a new frequency COHI heard on 4275 kcs. (Bendes-Pa.)

COBQ (relaying CMBQ) will be the new call of COGF. The new slogan will be "Radioteatro Ideas Pazos" (Ramirez-Cuba)

Denmark

On account of lack of coal in Denmark the transmissions have to finish at 5 p. m. whereas they formerly lasted until 7 p. m. or 7:30 p. m. "Dansmarks Kortwellesender," the Danish shortwave station, relays, but not regularly, the Danish program until 5 p. .m. on about 40 meters. (Jansen-Netherlands).

Ecuador

HJCT on 9630 kcs. (new) National Radio heard on inauguration program 8 P.M. February 1st. (Burnham-Mass.)

HCIJB on 12460 kcs. was heard testing a new 10000 watt transmitter in the afternoon with a strong signal. (Caldwell-Mass.)

Egypt

Station with good signal heard almost daily on about 38 mtrs. from 1:30 A.M. to 3:30 A.M. Signs off with Egyption National Anthem, so the Nationality is evidently Egyption. All speech is apparently Egyptian or Arabian as I can recognize what seems to be a station announcement, sounds like "HoonaKahera". At 1:30 A.M. there is the striking of a clock, only the prelude, no strokes indicating the hour .Programs consist of news, plays and Eastern music. (Jansen-Netherlands)

SUX on 7867 kcs. heard with Arabic program with a good signal. (Caldwell-Mass.)

Finland

OFE heard at 10:30 A.M. with a woman announcer and good signal. (Hathaway-Ill.)

Lahti on 16.85 mtrs., 19.75 mtrs., 25.47 mtrs., and 31.58 meters, and Helsinki on 49.02 mtrs., the Finish shortwave stations are still on during the war activities but occasionally close down during an air raid. (Jansen-Netherlands)

France

"Paris Mondial" has been shifting schedules and frequencies often since the war. We present herewith a few

scattered reports on when and where they were heard. On 11843 kcs. from 11:30 a.m. to 12:30 p.m. . . . On 9520 kcs., 11718 kcs., 11885 kcs. from 6 pm. to 12:30 a.m. . . . Heard signing off at 7:45 p.m. on 9520 kcs. . . . on 11843 kcs. news in English has been heard at noon . . . (Harris-Mass., Webb-Teas, Hankins-Pa., Shanks-Tenn., Horlick-Ohio, and Jewell-Calif.)

French Indo China

"RAdio Saigon" on 11780 kcs. is heard with R8-9 signal between 8-9:30 a.m. They have a lady announcer and use two chimes preceding "Ice Radio Saigon" and one chime after the announcement. This usually comes at 8:15 a.m. Concert music is featured. (Shanks-Tenn.)

French Morocco

CNP on 8795 kcs. is located in Casablanca and is being heard between 3:15 and 4 p.m. daily (Williams-N.J.)

Germany

DJ stations have a new signal which sounds like a church bell. It tolls four times and is followed by four c.w. notes. (Kempton-Mass.)

DJB on 15220 kcs. has news in English from 9:15 a.m. to 9:25 a.m. (Bendes-Pa.)

DJD on 11770 kcs. and DJC on 6020 kcs. have news in English at 2 p.m. They verify by card for an IRC. Bendes-Pa.)

DJE on 17760 kcs. has news in German from 8-8:15 a.m. (Harris- Mass.)

A mystery station believed by the British to be in Dusseldorf transmits in French and English. They announce in French as "La Voix de la Paix" (The Voice of Peace) and transmits daily on 7210, 6270, and 6040 kcs., simultaneously. Programs consist of speches against the French Government and gramophone records between text of the program. Station urges the necessity of peace for France stressing the force of the adversary, so this is idiction as to the operators. They pretend to be located in France. Signs off with "La Marseillaise" the French anthem and

PAoCS and his rig. He was formerly a trick bicycle rider and racer, and won innumerable medals and prizes throughout Europe for his prowess. He now is a teacher in Menauldum, Netheralnds.

shouting "Vive La France". Transmits at 12:30 P.M., 1:30 P.M., 2:30 P.M., 3:30 P.M., 4:30 P.M., with each broadcast lasting 20 minutes. (Jansen-Netherlands)

DXG on 6190 kcs. repeating the news in Spanish off DXX at 10 A.M. in synchronization with DJP. (Jansen-Netherlands.)

DXQ on 6170 kcs. on daily with news in English from 2:55 P.M. to 3:05 P.M. and news in French from 3:05 P.M. to 3:15 P.M., In synchronization with Podebrad on 4987 kcs. one of the Praha transmitters. (Jansen-Netherlands.)

DJA give news in Spanish at 3:20 P.M. (Jansen-Netherlands)

Great Britain

GSV on 17810 kcs. now broadcasts a program in English from 10:30 to 11:30 A.M. The news is given at 11:15 and at 11:30 the news is read in Afrikaans. (Bendes-Pa.)

GSP broadcast the news at 7 P.M. along with GSO (Bendes-Pa.)

GSD on 11520 kcs. heard from noon to 3:30 P.M. and 3:52 to 6 P.M. as well as at night 6:22 to 9:20 P.M. and 9:40 P.M. to 12:30 P.M. (Horlick-Ohio, Jewell*Calif.)

GSF on 11860 kcs. heard from 6:30 A.M. to 9 A.M. and from 1 to 3:30 P.M. (Horlick-Ohio)

GSJ on 21530 kcs. is heard from 9:15 to 11:30 a.m. . . GSI on from 11:52 a.m. to 3:30 .m. and returns again at 6 p.m. . . GSC comes on at 6:22 p.m. until 9:20 p.m. . . . GSB also comes on the air at 6:22 p.m. and is on to 9:20 p.m. (Horlick-Ohio)

Guatamala

TGWA on 9685 kcs. is heard with marimba music from 11-11:30 p.m. nightly (Jewell-Calif.) On 19 meter band TGWA is heard with marimba music from 12:45-1:30 p.m. (Woolacott-N.Y.)

TGWB on 6480 kcs. broadcasts simultaneously with TGWC on 2320 kcs., TGW on 1520 kcs., TGWB is the best heard in this section although only 1 kw. as compared to TGWA's 10 kw. (Jewell-Calif.)

TGWC on 2320 kcs. is heard every night at 11 p.m. (Podall-Vt.)

Honduras

HRN on 5875 kcs. at Tegucigalpa sent me their card in short time and signed by Paul John. The card is light grey with red call letters. Relayed by broadcast station on 1250 kcs., their schedule is 7 a.m. to 11 p.m. For those wishing a card—do not send an IRC as they do not accept them, but enclose one dime in an envelope. (Jewell-Calif.)

Hungary

HAD-3 on 11860 kcs. is one of the new Budapest stations and is broadcasting from 5-6:20 p.m. daily (Sullivan-Mass., and Coyle-Pa.)

HAS-3 on 15370 kcs. is heard Sundays from 9-10 a.m. with a good signal.

HAT-4 on 9125 kcs. has been heard daily from 7-8 p.m. and from 6 p.m. on Saturday. Music box chimes are heard five minutes previous to broadcasting. National Anthem is played at sign off. (Jewell-Calif.)
the new Budapest transmitters for

HAT-5 on 9650 kcs. is another of South American transmissions. They broadcast from 5:35-7 p.m. (Sullivan-Mass., Coyle-Pa.)

Iceland

The transmission of the Rykjavik shortwave transmitter has been suspended indefinitely due to present tion on 208 kcs. continues on regular world conditions. The longwave staschedule. (Jansen-Netherlands)

India

VUD-2 on 9590 kcs. has been heard from 7 a.m. to 7:45 a.m. WBOS blocks the announcement at 7 and 7:30 a.m., but the English news comes in good. "Here in India" is mentioned often in news items. (Kempton-Mass.)

VUM-2 on 11870 kcs. gives news in English at 7:30 a.m., (along with VUM-2 on 4920 kcs., VUD-2 on 9590 kcs., VUD-2 on 4960 kcs., VUB-2 on 4880 kcs., and VUC-2 on 4840 kcs. (Shanks-Tenn.)

There is an All India Radio Station on the 25 meter band on the air every morning at 6 A.M. with an R6 signal at beginning and increases to an R7 signal at 6:30 A.M. I would like very much to know where it is located. (Long-Ga.) (Must be VUM-2 on 11-870 kcs.—RL)

Ireland

Athlone shortwave station on 9595 kcs. daily relays the medium wave station at Athlone "Radio Eireann' from 6:30 A.M. to 8 A.M. The station comes in here (Netherlands) with a good signal, but frequently sings off at about 8:45 A.M. The only full station identification is made when they come on at 6:30 A.M. On Sundays the shortwave station apparently oprates from 6 to 9. (Jansen-Netherlands)

The Irish shortwave station is heard until 5 P.M. -Lady and man an nouncers. (Shanks-Tenn.)

Athlone on 17840 kcs. from 7:30 to 8:30 A.M. and 9 to 10 A.M. (Dawson-Ont.)

Italy

12RO 3 Rome on 9630 kcs. announces program for Australia and New Zealand 1 A.M. to 2:30 A.M. (Wells-Ont.)

IRF Rome, Italy was heard 7:10 calling WQO in New York with an R8 signal. Also WET in New York was heard lately contacting HBT in Geneva, Switzerland ,their signal was with an R6-7 signal. RPQ is located R7 and PRQ also was heard along in Rio de Janeiro, Brazil. (Long-Ga.)

2RO4 on 11810 kcs. Sign off at 1:35 P.M. on Friday and announce schedule for balance of day. (Hankins-Pa.)

2RO6 on 15300 kcs. News in English at 10:45 A.M. and they give station announcements in English at 11 A.M. then continues transmitting in Italian. (Hankins-Pa.)

12RO-3, and 12RO-6 were heard in parallel broadcasting the American Hour at 8 p.m. (Bendes-Pa.)

Unidentified station in Rome on 15-230 kcs. seems to come on the air wit hthe other 2RO stations at 10 a.m. (Webb-Teas)

Japan

JVL on 11660 kcs. heard R7 at 8 a.m. on a Saturday. (Shanks-Tenn.)

JZJ on 11800 kcs. is on from 7:30-8:30 p.m. A program consisting of American fox-trots heard from 9-9:30 a.m. (Hathaway - Ill., Shanks - Tenn., Jewell-Calif.)

JZK on 15160 kcs. is now sending veries. A card was received along with monthly broadcast report for North America. (Forrest-Okla.)

Java

PLP on 1100 kcs. is heard with good signals up to 7:30 p.m. when it fades.

PMN on 10260 kcs. is also heard in parallel, but with much weaker signal. Address for both stations: N.I R.O.M., Batavia, Java, Netherlands Indies. Verification is a beautiful picture folder. (Jewell-Calif.)

Mexico

XETA on 9555 kcs. is on the air from Monterrey nightly from 5 p.m. to midnight. (Williams-N.J., Webb-Texas)

XEWW on 9500 kcs. is heard with R9 signals nightly up to 11:30 p.m. (Jewell-Calif.)

Mozambique

CR7BE on 9640 kcs. at Lourenzo Marques is especially used to send programs to Angola, Portugal, and Europe and is heard beautifully with daily transmissions from 2-4 p.m. Announcements are in Portuguese and English. CR 7BE has a woman announcer and uses chimes for stand by signal. (Jansen-Netherlands)

CR7BE on 9640 kcs. is heard on Saturdays at 2 P. M. comes in as good as any European station with an R9 plus signal no interference as 2RO is not on. (Hathaway-Ill., Kempton-Mass., Caldwell-Mass., and Hoadley-Ont.)
CR7BD on 1966 kcs. and 15255 kcs., CR7BH on 2560 kcs. and 11718 kcs.,

CR7AA on 6035 kcs. and 6137 kcs., CR7BE on 3110 and 9645 kcs., and CR7AB on 8592 kcs. and 3490 kcs., CR 7BG on 1962 and 15285 kcs. are the stations in Lourenco Marques. Transmitter is at Matola and has 10 kw. Stations are intended for World wide coverage. Reports are requested. (Butcher-Port. E. Africa)

Netheralnds

PCJ—Persons desiring to tune this station should try 9590 kcs. on Tuesday between 9:20 P.M. and 9:40 P.M. before and after this GSC on 9580 kcs. causes too much interference along with DXB. (Bonifield-N.J.)

Newfoundland

VONF in St. John Newfoundland was heard Thursday night on the 49 meter band with a good signal about and R6-7 with a news program at 6:15 and advertisements and music. The announcer announced VONF and VONG, with VONE relaying VONG. (Long-Ga.)

Norway

Official schedules of stations; LKJ-2 on 6130 kcs. has no schedule indicated as does LLG on 9610 kcs. LKQ on 11735 kcs. is on from 2 to 2:10 A.M. and from 5:15 to 8:50 A.M. LKV on 15170 kcs. is on from 11 A.M. to 1:30 P.M. and LLH on 9645 kcs. from 1:30 P.M. to 4 P.M. (Jansen-Netherlands)

Philipine Islands

KZRH on 9.630 kcs. at Manila is heard with good signals from 7 A.M. on. There slogan is the "Voice of the Philippines". (Kempton-Mass.)

KZIB on 9500 kcs. at Manila verified with a nice long letter stating that thus far I was the only one in Alabama that who had correctly reported the station. KZIB is an American owned station and is located atop the Crystal Arcade Building and owned by I. Beck, Inc., P. O. Box 440, Manila. (Jewell-Calif.)

Portugal

CSW-7 now broadcasts an English program form 3 to 3:30 P.M. on Saturday afternoons. CSW-7 is on 9740 kcs. instead of 9735 kcs. as listed in RADEX. They asked for reports and suggestions. (Jewell-Calif., and Bendes-Pa.)

Salvador

YSD on 7890 kcs. signing off at 10:45 P.M. February 8th with marimba music. (Wells-Ont., Jewell-Calif.)

Spain

EAQ in Madrid, Spain on 9860 kcs. Schedules are; Sunday 5 P. M. to 9 P.M. daily 5 P.M. to 7:30 P.M. and Saturdays from 1 to 3 P.M. There is a new transmission for Africa ending at 2 P.M. Exact schedule is not known. EAQ does not identify as Radio Nacional but rather as Radio Espana. (Long - Ga., Kastner - Texas, Jansen-Netherlands, Dolbow-Mo., and Horlick-Ohio)

EA2BH of Jaca on 7177 kcs., according to date received, is on daily from 10:30 to 11:15 A.M. (Jansen-Netherlands)

Sweden

Would appreciate accurate information on SBP and SBT concerning their "suposed to be" daily schedule at 1 P.M. Have listened for them sevral times and have heard stations in parallel on those frequencies, but have never ben able to get English announcements for positive identification. Also they are not heard everyday but have heard them on Tuesday sand Fridays only. (Hankins-Pa.)

The Swedish shortwave stations are transmitting, since some time back, every evening from 8 to 9 over SBU on 9535 kcs. and SBP on 11705 kcs. News in English at sign on soon after 8. (Jewell-Calif., Magnuson-R.I.)

Switzerland

HBQ on 6675 kcs. heard February 2nd relaying Belgrade to New York. thru WQO Little Neck, New Jersey. Also on irregular mornings at 7:45 HBH and HBJ Geneva contacts WEB, New York, operating on about 14750 kcs. for the same type of program. (Wells-Ont., Webb-Texas, and Gerran-N.Y.)

Tahiti

FO8AA on 7090 kcs. at Papeete verified just recently after a wait of 17 months! Card is white with large red call leters and blue print. Printed in French, the card is signed by Alf Poroi, President. (Jewell-Calif.)

Turkey

TAP on 9465 kcs. in Ankara is heard in the afternoon from 2:30-4:30 p.m. with a very good signal. Both man and woman announcers are used. Reports were requested to be sent to the Turkish Broadcasting Corporation. (Long - Ga., and Shanks-Tenn.)

Uruguay

CXA-6 on 9625 kcs. at Montevideo, heard between 8:30 and 9 p.m. Spanish announcements only and symphony music featured. (Burnham-Mass., Webb-Texas)

U. S. A.

WCBX o n11830 is on daily from 1-6 p.m. with news in English at 1:30 p.m. (Horlick-Ohio)

WGEA on 15330 kcs. announces they are on from 8 a.m. to 6 p.m. for Europe. (Hathaway-Ill.)

WLWO on 6060 kcs. is on daily from 8 a.m. to 7 p.m. (Horlick-Ohio)

WPIT on 11870 kcs. signs off at 10 p.m. and goes on at 10:03 p.m. on 6140 kcs. (Horlick-Ohio)

WRUL on 6040 kcs. in Boston was heard testing January 21 with TGIX from 2:30-3:05 a.m. They dedicated "South of The Border" to Mr. Spatari and the boys at TGIX. WRUL verifies with a white car dand blue lettering. (Wells-Ont., Catalano-Ill.)

U. S. S. R.

RAN on 9600 kcs. at Moscow heard with news and talks in English from 7 p.m. daily. (Jewell-Calif.)

RKI on 15080 kcs. is heard with English program from 7-8 p.m., but RM has interfered greatly with this broadcast lately. (Jewell-Calif.)

RV-96 on 15182 kcs. was heard with a speach in English about an Italian statesman from 8:8:30 p.m. A lady announced the program. Songs in Russian followed. (Bendes-Pa.)

Venezuela

YV3RX on 4990 kcs. at Barquisimeto, Venezuela heard from 6:30-9:30 p.m. daily and signs off with "Beer Barrel Polka" (Laudansky-Mass.)

YV1RU on 4810 kcs. (ex YV7RMO), P. O. Box 100, Maracaibo is known as "Radiodifusora Maraibo". Sr. Luis Mantellini is no longer with the station .Sr. Feria Rincon is now the proprietor, owner and veri singer Senor Rincon seems very pleasant and writes that he will be glad to receive new reports in the futuer. (Dissinger-Kans.)

Yugoslavia

"Radio Belgrade" on 9505 kcs. is heard with a good signal from 4-5:30 p.m. (Shanks-Tenn.., and Butcher-Portuguese W. Africa)

RADEX REPORTERS

R7, Pa. 1: A. M. Hankins, Latrobe, Penna.
R49: Davis Hill, Washington, D. C.
R152: Matty Williams, Newark, N. J.
R451: Chet Roman, Chicago, Ill.
R638 Vt. 5: Edward H. Draper, West Burke, Vt.
R771: Jack Hathaway, Danville, Ill.
R800: Myron Ksenich, Lorain, Ohio.
R803: Chas. Gerran, Jamestown, N. Y.
R834: G. R. Jewell, Jr. Los Angeles, Cal.
R849: Kenneth Brown, Hyde Park, Mass.
R946: Bertram Podall, Gilman, Vt.
R1088: Ralph Kastner, New Braunfels, Texas.
R1132: C. R. Bendes, Pitsburgh, Pa.
R1273; Ga. 5: John D. Long, Dalton, Georgia.
R1312: Lester E. Balcome, Malden, Mass.
R1318: Kyle C. Bonifield, Asbury Park, N. J.
R1319: Alton L. Caldwell, Brockton, Mass.
R1342: Henry Bennett, Collingswood, N. J.
R1404: Bee Catalano, Chicago, Ill.
R1412: Helen H. Lind, Lakewood, Ohio.
R1441: L. F. Dalbow, Kansas City, Kansas.
R1470: Stephenson, Oklahoma City, Oklahoma.
R1566: Roy Woollacott, Rochester, N. Y.
R1632: Clarence Burnham, Gloucester, Mass.
R1661: Dawson Hoadley, Ontario, Canada.
C. R. Bendes, Pittsburgh, Pa.
W. H. Brash, Washington, D. C.
Eric Butcher, Beira Portuguese, East Africa.
Charles L. Carroll, Rahway, N. J.
Isaac T .Davis, Elkhart, Texas.
Ray Dissinger, Lawrence, Kansas.
Forest S. Fisher, Battle Creek, Mich.
Artie Fleming, Parkville, Mo.
Ernest R .Forrest, Oklahoma City, Oklahoma.
Gil Harris, North Adams, Mass.
Joseph H. Horlick, Youngstown, Ohio.
Anton Jenson, Boskoop, Netherlands.
Rudolph D. Juet, Madison, Ind.
A. L. Kempton, Harding, Mass.
Edward Loudansky, Dorchester, Mass.
Gustave A. Magnuson, Providence, R. I.
P. P. Malley, Pitsburgh, Pa.
Charles Meyers, Chicago, Ill.
Alfred Mozzi, Menden, Conn.
Carlos Ramirez G, Havana, Cuba.
F. P. Rogers, Jamestown, N. Y.
John H. Sanders, Williamsport, Pa.
Joseph Schwartz, Bronx, N. Y.
John A. Shanks, Russellville, Tenn.
T. J. Soto, Chicago, Ill.

(Continued on page 53)

The Monthly Frequency Checks

FOR the purpose of checking the frequencies of small stations which cannot be heard satisfactorily on their regular daily transmissions, the Federal Communications Commission requires monthly monitoring broadcasts from a selected group of stations. Following is the latest available. All time is am., Eastern Standard.

Second Monday

2:55-3:10	1310	WBRK Pittsfield, Mass.
3:00-3:15	1370	WABY Albany, N. Y.
3:05-3:20	1420	WMAS Springfield, Mass.
3:10-3:25	1200	WCAX Burlington, Vt.
3:15-3:30	1370	WRDO Augusta, Maine
3:20-3:35	1420	WAGM Presque Isle, Me.
3:25-3:40	1210	WHAI Greenfield, Mass.
3:30-3:45	1390	WQDM St. Albans, Vt.
3:35-3:50	1310	WMFF Plattsburg, N. Y.
3:45-4:00	1220	WCAD Canton, N. Y.
3:45-4:00	1500	KVWC Vernon, Texas
3:50-4:05	1310	WLNH Laconia, N. H.
3:55-4:10	1200	WIBX Utica, N. Y.
4:00-4:15	1500	WWRL Woodside, N. Y.
4:00-4:15	1370	KVRS Rock Springs, Wyo.
4:05-4:20	1310	WMBO Auburn, N. Y.
4:10-4:25	1210	WBRB Red Bank, N. J.
4:10-4:25	1420	KDNT Denton, Texas
4:15-4:30	1500	KPAB Laredo, Texas
4:20-4:35	1310	KVOX, Moorhead, Minn.
4:25-4:40	1210	KFPW Fort Smith, Ark.
4:30-4:45	1370	WMIN St. Paul, Minn.
4:35-4:50	1420	KNET Palestine, Texas
4:40-4:55	1200	WBBZ Ponca City, Okla.
4:45-5:00	1370	KFGQ Boone, Iowa
4:50-5:05	1420	KRBC Abilene, Texas
4:55-5:10	1200	KGHI Little Rock, Ark.
5:00-5:15	1370	KTEM Temple, Texas
5:05-5:20	1390	KABR Aberdeen, S. D.
5:10-5:25	1200	KGEK Sterling, Colo.
5:15-5:30	1370	KFJZ Fort Worth, Tex.
5:20-5:35	1420	WMBH Joplin, Mo.
5:25-5:40	1200	WIL St. Louis, Mo.
5:30-5:45	1370	WOC Davenport, Iowa.
5:35-5:50	1420	KABC San Antonio, Tex.
5:40-5:55	1200	KADA Ada, Oklahoma
5:45-6:00	1370	KLUF Galveston, Texas
5:50-6:05	1190	KTKC Visalia, Calif.
5:55-6:10	1400	KHBC Hilo, Hawaii.
6:00-6:15	1370	KRE Berkeley, Calif.
6:05-6:20	1500	KXO El Centro, Calif.
6:10-6:25	1200	KGW Stockton, Calif.
6:15-6:30	1370	KERN Bakersfield, Calif.
6:20-6:35	1420	KUMA Yuma, Arizona.
6:25-6:40	1200	KVCV Redding, Calif.
6:30-6:45	1280	KLS Oakland, Calif.
6:35-6:50	1040	KYOS Merced, Calif.
6:40-6:55	1200	KSUN Lowell, Arizona.
6:45-7:00	1100	KGDM Stockton, Calif.
6:50-7:05	1450	KIEM Eureka, Calif.

6:55-7:10	1200	KVEC San Luis Obispo
7:00-7:15	1310	KARM Fresno, Calif.
7:05-7:20	1420	KGLU Safford, Arizona

Second Tuesday

2:55-3:10	1210	WRAL Raleigh, N. C.
3:00-3:15	1310	WSJS Winston-Salem, N. C.
3:05-3:20	1420	WMFJ Daytona Beach, Fla.
3:10-3:25	1200	WAIM Anderson, S. C.
3:15-3:30	1370	WMFD Wilmington, N. C.
3:20-3:35	1420	WEED Rocky Mount, N. C.
3:25-3:40	1200	WJNO West Palm Beach, Florida.
3:25-3:40	1210	WJMC Rice Lake, Wis.
3:30-3:45	1500	WRDW Augusta, Georgia.
3:35-3:50	610	WIOD Miami, Florida.
3:35-3:50	940	WICA Ashtabula, Ohio.
3:40-3:55	1200	WAYX Waycross, Ga.
3:40-3:55	1210	WLOK Lima, Ohio.
3:45-4:00	1500	WDNC Durham, N. C.
3:45-4:00	1370	WPAY Portsmouth, Ohio
3:50-4:05	1250	WAIR Winston-Salem, N. C.
3:55-4:10	1310	KWOC Poplar Bluff, Mo.
3:55-4:10	1200	WMFR High Point, N. C.
3:55-4:10	1210	WALR Zanesville, Ohio
4:00-4:15	1500	WHBB Selma, Alabama.
4:00-4:15	550	WKRC Cincinnati, Ohio
4:05-4:20	1420	KFAM St. Cloud, Minn.
4:05-4:20	610	WCLE Cleveland, Ohio.
4:10-4:25	1210	KALB Alexandria, La.
4:10-4:25	1310	WLBC Muncie, Indiana.
4:15-4:30	1370	KELD El Dorado, Ark.
4:15-4:30	1500	WOPI Bristol, Tenn.
4:15-4:30	1200	WWAE Hammond, Indiana
4:20-4:35	1420	WACO Waco, Texas.
4:20-4:35	1410	WBCM Bay City, Mich.
4:25-4:40	1440	KXYZ Houston, Texas.
4:25-4:40	1210	WSIX Nashville, Tenn.
4:25-4:40	1310	WCMI Ashland, Ky.
4:30-4:45	1370	KGKL San Angelo, Tex.
4:30-4:45	1200	WHBY Green Bay, Wis.
4:35-4:50	1420	KCMC Texarkana, Texas
4:35-4:50	1310	KSGN Birmingham, Ala.
4:35-4:50	1390	WHK Cleveland, Ohio.
4:40-4:55	1260	KRGV Weslaco, Texas
4:40-4:55	1210	WCOV Montgomery, Ala.
4:40-4:55	1320	WADC Akron, Ohio.
4:45-5:00	1370	KTOK Oklahoma City, Okla.
4:45-5:00	1200	WJHL Johnson, City, Tenn.
4:45-5:00	1500	WJBK Detroit, Mich.
4:50-5:05	1420	KGFF Shawnee, Okla.
4:55-5:10	1210	KFVS Cape Giradeau, Mo.
5:00-5:15	1370	KMAC San Antonio, Texas
5:05-5:20	1310	KAND Corsicana, Tex.

5:10-5:25	1210	KLAH Carlsbad, N. Mexico
5:15-5:30	1370	KIUP Durango, Colo.
5:20-5:35	1310	KOCY Oklahoma City, Okla.
5:25-5:40	1210	KDLR Devils Lake, N. D.
5:30-5:45	1370	KICA Clovis, N. Mexico
5:35-5:50	1320	KGMB Honolulu, Hawaii
5:40-5:55	1200	KBTM Jonesboro, Ark.
5:45-6:00	1370	KRMC Jamestown, N. D.
6:05-6:20	1420	KORE Eugene, Oregon.
6:10-6:25	1200	KOOS Marshfield, Ore.
6:20-6:35	1500	KPQ Wenatchee, Wash.
6:25-6:40	1200	KFXD Nampa, Idaho
6:30-6:45	1370	KUJ Walla Walla, Wash.
6:35-6:50	1500	KRNR Roseburg, Ore.
6:40-6:55	1200	KVOS Bellingham, Wash.
6:45-7:00	1370	KEEN Seattle, Wash.
6:55-7:10	780	KWLK Longview, Wash.
7:00-7:15	1370	KRKO Everett, Wash.
7:05-7:20	1420	KLBM La Grande, Ore.
7:10-7:25	1200	KAST Astoria, Ore.

Second Wednesday

2:55-3:10	1200	WEST Easton, Pennsylvania
3:00-3:15	1310	WTEL Philadelphia, Pa.
3:05-3:20	1500	WNBF Binghamton, N. Y.
3:10-3:25	1200	WLVA Lynchburg, Va.
3:15-3:30	1310	WSAJ Grove City, Pa.
3:20-3:35	1500	WWSW Pittsburgh, Pa.
3:25-3:40	1210	WBAX Wilkes-Barre, Pa.
3:30-3:45	1310	WHAT Philadelphia, Pa.
3:35-3:50	1500	WRTD Richmond, Va.
3:40-3:55	1210	WBBL Richmond, Va.
3:45-4:00	1370	WBNY Buffalo, N. Y.
3:45-4:00	1310	KOME Tulsa, Oklahoma.
3:50-4:05	1410	WHIS Bluefield, W. Va.
3:50-4:05	1500	KWEW Hobbs, New Mexico
3:55-4:10	1210	WKOK Sunbury, Pa.
4:00-4:15	1310	WFBG Altoona, Pa.
4:05-4:20	1420	KRIC Beaumont, Texas.
4:05-4:20	880	WQAN Scranton, Pa.
4:05-4:20	1500	WGIL Galesburg, Ill.
4:10-4:25	1200	KWNO Winona, Minn.
4:10-4:25	1400	WHDL Olean, N. Y.
4:15-4:30	1330	KRIS Corpus Christi, Tex.
4:15-4:30	1310	WEBR Buffalo, N. Y.
4:15-4:30	1370	WIBM Jackson, Mich.
4:20-4:35	1500	KBST Big Spring, Texas
4:20-4:35	1420	WPAR Parkersburg W. Va.
4:25-4:40	1430	KSO Des Moines, Iowa
4:25-4:40	1250	WKST New Castle, Pa.
4:25-4:40	1200	WCLO Janesville, Wis.
4:30-4:45	1310	KROC Rochester, Minn.
4:30-4:45	780	WPIC Sharon, Pa.
4:30-4:45	1370	WEOA Evansville, Ind.
4:35-4:50	1500	KDAL Duluth, Minn.

4:35-4:50	1210	WJLS Beckley, W. Va.
4:35-4:50	1420	WELL Battle Creek, Mich.
4:40-4:55	1120	WTAW College Sta, Tex.
4:40-4:55	1200	WHBC Canton, Ohio.
4:45-5:00	1310	KRMD Shreveport, La.
4:45-5:00	1370	WSAU Wausau, Wis.
4:50-5:05	1500	KNEL Brady, Texas
4:50-5:05	1420	WLAP Lexington, Ky.
4:55-5:10	560	KFDM Beaumont, Texas.
4:55-5:10	1200	WFAM South Bend, Ind.
5:00-5:15	1310	KPDN Pampa, Texas.
5:00-5:15	1370	WHLS Port Huron, Mich.
5:05-5:20	1500	KPLT Paris, Texas
5:05-5:20	1420	WCBS Springfield, Ill.
5:10-5:25	570	KGKO Fort Worth, Texas
5:15-5:30	1310	KFPL Dublin, Texas.
5:15-5:30	1370	WDWS Champaign, Ill.
5:15-5:30	1500	KAWM Gallup, N. Mexico
5:20-5:35	1420	WPAD Paducah, Ky.
5:25-5:40	1210	KGLO Mason City, Iowa
5:25-5:40	1200	WJBC Bloomington, Ill.
5:30-5:45	1310	KRRV Sherman, Texas
5:30-5:45	1370	WGL Fort Wayne, Ind.
5:35-5:50	1500	KGKY Scottsbluff, Neb.
5:40-5:55	1210	WIBU Poynette, Wis.
5:45-6:00	1310	KRBA Lufkin, Texas.

Second Thursday

3:00-3:15	1500	WKAT Miami Beach, Fla.
3:05-3:20	1200	WJRD Tuscaloosa, Ala.
3:10-3:25	1210	WSOC Charlotte, N. C.
3:15-3:30	1310	WAML Laurel Miss.
3:20-3:35	1370	WPRA Mayaguez, P. R.
3:25-3:40	1210	WPAX Thomasville, Ga.
3:30-3:45	560	WQAM Miami, Florida.
3:35-3:50	1420	WPRP Ponce, P. R.
3:40-3:55	1200	WFTC Kinston, N. C.
3:45-4:00	1240	WKAQ San Juan, P. R.
3:50-4:05	1440	WBIG Greensboro, N. C.
3:50-4:05	1500	WDAN Danville, Ill.
3:55-4:10	1210	WFOY St. Augustine, Fla.
4:00-4:15	1370	WAGF Dothan, Ala.
4:05-4:20	1500	KPLC Lake Charles, La.
4:05-4:20	1310	WFDF Flint, Mich.
4:10-4:25	1210	WGRM Grenada, Miss.
4:10-4:25	1340	WSPD Toledo, Ohio.
4:15-4:30	1370	WMFO Decatur, Ala.
4:15-4:30	1200	WCPO Cincinnati, Ohio
4:20-4:35	1500	WKEU Griffin, Ga.
4:20-4:35	1420	KFIZ Fond du Lac, Wis.
4:25-4:40	1210	WGCM Gulfport, Miss.
4:25-4:40	630	WGBF Evansville, Ind.
4:30-4:45	1310	KFYO Lubbock, Texas
4:30-4:45	1370	WFOR Hattiesburg, Miss.

4:30-4:45	940	WAVE Louisville, Ky.
4:35-4:50	1410	KFJM Grand Forks, N. D.
4:35-4:50	1430	WMPS Memphis, Tenn.
4:35-4:50	1500	WTMV East St. Louis, Ill.
4:40-4:55	1240	KGCU Mandan, N. Dak.
4:40-4:55	1200	WBHP Huntsville, Ala.
4:40-4:55	1380	KQV Pittsburgh, Pa.
4:45-5:00	1310	KWOS Jefferson City, Mo.
4:45-5:00	880	WCOC Meridian, Miss.
4:45-5:00	1370	WGRC New Albany, Ind.
4:50-5:05	1500	KOTN Pine Bluff, Ark.
4:55-5:10	760	WEW St. Louis, Mo.
4:55-5:10	1420	WJMS Ironwood, Mich.
5:00-5:15	1320	KGHF Pueblo, Colo.
5:00-5:15	1370	WHDF Calumet, Mich.
5:05-5:20	1500	KGFI Brownsville, Texas
5:05-5:20	1310	WTRC Elkhart, Indiana
5:10-5:25	1210	KHBG Okmulgee, Okla.
5:15-5:30	1370	KONO San Antonio, Tex.
5:20-5:35	1500	KGKB Tyler, Texas.
5:25-5:40	1210	KASA Elk City, Okla.
5:30-5:45	1370	KFRO Longview, Texas
5:35-5:50	1500	KNOW Austin, Texas
5:40-5:55	1210	WMFG Hibbing, Minn.
5:45-6:00	1420	KRLH Midland, Texas.
5:50-6:05	1310	KCRJ Jerome, Arizona
5:55-6:10	1210	KIUL Garden City, Kan.
5:55-6:10	1260	KVOA Tucson. Arizona
6:00-6:15	1200	KVNU Logan, Utah.
6:05-6:20	1310	KHUB Watsonville, Calif.
6:10-6:25	1420	KSAN San Francisco, Calif.
6:15-6:30	1370	KGAR Tucson, Arizona.
6:20-6:35	1310	KSRO Santa Rosa, Calif.
6:25-6:40	740	KTRB Modesto, Calif.
6:30-6:45	1070	KJBS San Francisco, Calif.
6:35-6:50	1310	KSUB Cedar City, Utah
6:40-6:55	1210	KDON Monterey, Calif.
6:45-7:00	750	KGU Honolulu, T. H.
6:50-7:05	1260	KHSL Chico, Calif.
6:55-7:10	1210	KROY Sacramento, Calif.

Second Friday

3:00-3:15	1370	WSVS Buffalo, N. Y.
3:05-3:20	1310	WJAC Johnstown, Pa.
3:10-3:25	1210	WJTN Jamestown, N. Y.
3:15-3:30	1370	WBLK Clarksburg, W. Va.
3:20-3:35	1420	WLEU Erie, Pa.
3:25-3:40	1280	WCAP Asbury Park, N. J.
3:25-3:40	1210	WSAY Rochester, N. Y.
3:30-3:45	550	WDEV Waterbury, Vt.
3:30-3:45	1310	WGH Newport News, Va.
3:35-3:50	1500	WCNW Brooklyn, N. Y.
3:35-3:50	1420	WMBS Uniontown, Pa.
3:40-3:55	1210	WFAS White Plains, N. Y.

3:40-3:55	1350	WMBG Richmond, Va.
3:45-4:00	1430	WOKO Albany, N. Y.
3:45-4:00	1310	WRAW Reading, Penn.
3:50-4:05	1500	WSYB Rutland, Vt.
3:50-4:05	1370	WDAS Philadelphia, Pa.
3:55-4:10	1210	KWJB Globe, Arizona.
3:55-4:10	1290	WNBZ Saranac Lake, N. Y.
3:55-4:10	570	WSYR Syracuse, N. Y.
4:00-4:15	1310	WBRE Wilkes-Barre, Pa.
4:05-4:20	1500	WNLC New London, Conn.
4:05-4:20	1370	WBTM Danville, Va.
4:10-4:25	1210	WGBB Freeport, N. Y.
4:10-4:25	1430	WHEC Rochester, N. Y.
4:15-4:30	1200	WTHT Hartford, Conn.
4:15-4:30	1420	WAZL Hazleton, Pa.
4:20-4:35	1500	WMBQ Brooklyn, N. Y.
4:20-4:35	1370	WRAK Williamsport, Pa.
4:25-4:40	1220	WGNY Newburg, N. Y.
4:25-4:40	1310	WBOW Terre Haute, Ind.
4:30-4:45	1200	WJBL Decatur, Ill.
4:35-4:50	1420	KATE Albert Lea, Minn.
4:35-4:50	1500	WKBB Dubuque, Iowa.
4:35-4:50	1370	WBTH Williamson, W. Va.
4:40-4:55	890	KARK Little Rock, Ark.
4:40-4:55	1210	WJIM Lansing, Mich.
4:45-5:00	1370	WHLB Virginia, Minn.
4:45-5:00	1310	WEXL Royal Oak, Mich.
4:50-5:05	1500	WOMI Owensboro, Ky.
4:55-5:10	1200	KFJB Marshalltown, Ia.
5:00-5:15	1230	KGGM Albuquerque, N. M.
5:00-5:15	1310	WBEO Marquette, Mich.
5:05-5:20	1420	KGIW Alamosa, Colo.
5:05-5:20	1500	WKBV Richmond, Ind.
5:10-5:25	1200	KGDE Fergus Falls, Minn.
5:15-5:30	1370	KGFL Roswell, N. Mexico
5:15-5:30	1310	WEMP Milwaukee, Wis.
5:20-5:35	1420	KEUB Price, Utah.
5:25-5:40	1200	WCAT Rapid City, S. D.
5:35-5:40	1210	WEBQ Harrisburg Ill.
5:30-5:45	1370	KWYO Sheridan, Wyoming
5:35-5:50	1420	KIDW Lamar, Colo.
5:40-5:55	1200	KFXJ Grand Junction, Colo.
5:45-6:00	1230	KGBX Springfield, Mo.
5:50-6:05	1310	KVSF Santa Fe, N. Mexico
5:55-6:10	1370	KOKO La Junta, Colo.

Second Saturday

3:30-3:45	1420	WGNC Gastonia, N. C.
3:30-3:45	1200	WTOL Toledo, Ohio.
3:35-3:50	1500	WKBZ Muskegon, Mich.
3:40-3:55	1210	WJW Akron, Ohio.
3:45-4:00	1420	WNOE New Orleans La.
3:45-4:00	1430	WBNS Columbus Ohio.
3:50-4:05	1200	WOLS Florence S. C.

3:50-4:05	1450	WGAR Cleveland Ohio.
3:55-4:10	1500	KSAM Huntsville Tex.
3:55-4:10	1310	WLAK Lakeland, Fla.
3:55-4:10	1210	WCOL Columbus, Ohio.
4:00-4:15	1360	WQBC Vicksburg, Miss.
4:00-4:15	1070	WCAZ Carthage, Ill.
4:05-4:20	1120	WJBO Baton Rouge, La.
4:05-4:20	1380	WING Dayton, Ohio.
4:10-4:25	1500	KUTA Salt Lake City, Utah.
4:10-4:25	1310	WTAL Tallahassee, Fla.
4:10-4:25	1210	WOMT Manitowoc, Wis.
4:15-4:30	1370	KIUN Pecos, Texas.
4:15-4:30	1290	WNEL San Juan, P. R.
4:15-4:30	570	WOSU Columbus, Ohio.
4:20-4:35	1420	WMSD Muscle Shoals City, Ala.
4:20-4:35	1020	WDZ Tuscola, Ill.
4:25:4:40	1500	KYSM Mankato, Minn.
4:25-4:40	1310	WGTM Wilson, N. C.
4:25-4:40	1210	WHBU Anderson, Ind.
4:30-4:45	1450	KCMO Kansas City, Mo.
4:30-4:45	1200	WJBW New Orleans, La.
4:30-4:45	570	WKBN Youngstown, Ohio.
4:35-4:50	1010	WNAD Norman, Okla.
4:35-4:50	1420	WGCP Albany, Georgia.
4:35-4:50	1240	WXYZ Detroit, Mich.
4:40-4:55	1500	KOVC Valley City, N. D.
4:40-4:55	1310	WTJS Jackson, Tenn.
4:40-4:55	1210	WTAX Sprinfield, Ill.
4:45-5:00	1290	KLCN Blytheville, Ark.
4:45-5:00	1370	WMBR Jacksonville, Fla.
4:45-5:00	1200	WMPC Lapeer, Mich.
5:50-5:05	1270	KGCA Decorah, Iowa.
4:50-5:05	1420	WSLI Jackson, Miss.
4:50-5:05	1050	WEAU Eau Claire, Wis.
4:55-5:10	1210	KOCA Kilgore, Texas.
4:55-5:10	1310	KVOL Lafayette, La.
5:00-5:15	1500	KBIX Muskogee, Okla.
5:05-5:20	1260	KPAC Port Arthur, Tex.
5:05-5:20	1370	WHBQ Memphis, Tenn.
5:10-5:25	1210	KANS Wichita, Kansas
5:10-5:25	1310	WROL Knoxville, Tenn.
5:15-5:30	1290	KTRH Houston ,Texas
5:15-5:30	1200	KMLB Monroe, La.
5:20-5:35	1360	KLPM Minot, N. Dak.
5:20-5:35	1420	WHMA Anniston, Ala.
5:25-5:40	1210	KVSO Ardmore, Okla.
5:25-5:40	1500	WSTP Salisbury, N. C.
5:30-5:45	1270	KWLC Decorah, Iowa
5:35-5:50	1310	KTSM El Paso, Texas
5:40-5:55	1210	KWTN Watertown, S. Dak.
5:45-6:00	760	WLB Minneapolis, Minn.
5:50-6:05	1370	KOHB Rapid City, S. Dak.

5:55-6:10	1210	KPFA Helena, Mont.
6:00-6:15	1250	KIT Yakima, Wash.
6:05-6:20	900	KGBU Ketchikan, Alaska
6:10-6:25	1210	KFJI Klamath Falls, Ore.
6:15-6:30	1310	KGEZ Kalispell, Mont.
6:25-6:40	1210	KGY Olympia, Wash.
6:30-6:45	1310	KXRO Aberdeen, Wash.
6:35-6:50	1450	KGCX Wolf Point, Mont.
6:40-6:55	1120	KFIO Spokane, Wash.
6:45-7:00	1430	KINY Juneau, Alaska
6:50-7:05	780	KFQD Anchorage, Alaska
6:55-7:10	1390	KRLC Lewiston, Idaho

DXer's Appointment Calendar

The time shown in this Calendar is EST. For CST, subtract 1 hour; for MST, subtract 2 hours; for PST, subtract 3 hours; for GMT, add 5 hours.

Clubs: Newark News Radio Club (NNRC); Universal Radio DX Club (URDXC); National Radio Club (NRC); International DXers Alliance (IDA); DXers International Exchanges Club (DXIEC); World DX Alliance (WDXA).

Regular DX Programs

First day of month, 4-4:30 am, WPAY, 1370 kcs., Portsmouth, Ohio.

Last day of month, 3-5 am, KWSC, 1220 kcs., Pullman, Wash.

Every Saturday, 2-3 am, WMBI, Chicago, Ill., 1080 kcs.

Every Saturday, 2:30-2:45 am, KLS, 1280 kcs., Oakland, Calif.

Every Saturday, 10:15-10:30 am, WEEU, 830 kcs., Reading, Pa.

Every Saturday at 10 pm, YN3DG, 13900 kcs., Leon, Nicaragua. (Spatari—10c for series).

Every Saturday, 4:15-4:45 pm, W2XJI, 26300 kcs., Newark, N. J. (NNRC tips).

Every Saturday, 10 pm, YN3DG, 13900 kcs., Leon, Nicaragua. (Spatari program).

Every Sunday, 2-2:30 am, TG1 on 1310 and TG2 on 6190 kcs., Guatemala City, Guat.

Every Sunday, 3-5 am, CKLN, Nelson, B. C., 1420 kcs.

Every Sunday, 10:15-10:45 am, CFCO, 630 kcs., Chatham, Ont.

Every Sunday, 3-5 am, XEAC, 980 kcs., Tijuana, B. Cfa.

Every Sunday, 12:30-1 am, TGQA on 6400 and TGQ on 1450 kcs., Quezaltenango, Guatemala. (Spatari program, all reports verified free).

First Sunday, at 1 am, YN3DG, 13900 kcs., Leon, Nicaragua. (Spatari program).

First and Third Sunday, 2-4 am, WJBO, 1120 kcs., Baton Rouge, La.

Every Tuesday, 11:45 am-noon, W9XA, 26450 kcs., Kansas City, Mo.

Every Wednesday, 12:30 am, KOY, 1390 kcs., Phoenix, Ariz.

First and Third Wednesday, 1:45-2 pm, WTAR, 780 kcs., Norfolk, Va.

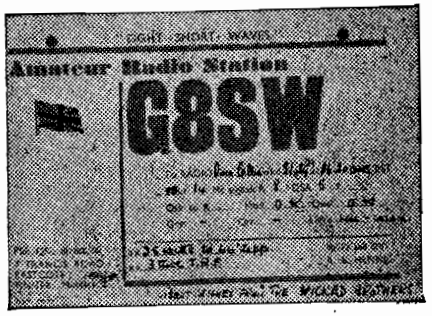
Every Thursday, 2:45-3 am, KSL, 1130 kcs., Salt Lake City, Utah. (Spatari announcements).

1st to 7th, midnight to 6 am, KPAB, 1500 kcs., Laredo, Tex. (Mexico Tourist Program; Mexican souvenirs sent to reporters).

8th to 14th, midnight to 2 am, KPAB, 1500 kcs., Laredo, Tex. (Mexico Tourist Program; Mexican souvenirs sent to reporters).

15th to 31st, midnight to 6 am, KPAB, 1500 kcs., Laredo, Tex. (Mexico Tourist Program; Mexico souvenirs sent to reporters).

Second Friday, 12:30-1 am, WJAG, 1060 kcs., Norfolk, Nebr.



The QSL card of "The Wicked Brothers," Bob and Frank Hennig, of Middlesex, England.

The SHORTWAVE STATIONS

● The shortwave list, arranged by frequencies in kilocycles, gives the schedules of the shortwave broadcasting stations. When requesting verifications from radio stations, return postage should always be sent. Return postage to foreign countries can be sent in the form of an International Reply Coupon, available at any post office at 9c each. Unused postage stamps from many foreign countries, which can be sent instead of Reply Coupons, are available from the Return Postage Bureau, 85 Francisco Ave., Rutherford, N. J.

Time is Eastern Standard.
Subtract 1 hour for Central, 2 hours for Mountain and 3 hours for Pacific.

2320 TGWC Guatemala City, Guat. 1 kw. See TGWA. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Other days 7:45-9 am; 12:45-3:45 pm; 7:30 pm-12:15 am.

2340 HOA Panama City, Panama. "Ron Dalley." Salvador Graziani, Box 1121. (6-10 pm).

2437 HRN Tegucigalpa, Honduras. 500 w. Noon-1:30 pm; 7-10:30 pm. "La Voz de Honduras."

3400 YV5RW Caracas, Venez. 'Radio Turmerito," Cesar Banuls.

3450 YV6RC Barcelona, Venez. Gobierno Edo Anzoategui.

3480 YV3RF Acarigua, Venez. "La Voz del Llano," Pausides Sigala.

3480 2ZB Wellington, New Zealand. 200 w. At 7 am.

3488 XZZ Rangoon, Burma. 50 w. W. J. Byrnes, Burma Independent Wireless Sub-Division, Strand Road. (Sun, 8:30-10:30 pm; Daily 5:30-9 am; 8:20-10:30 pm).

3490 CR7AB Lourenco Marques, Mozambique. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight to 1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm. Radio Club de Mocambique, Box 594.

3500 YV5RV La Guaira, Venez. "Emisora Vargas," Gonzalo Veloz Mancera.

4002 CT2AJ Ponta Delgada, Azores. Wed, Sat, 5-7 pm.

4107 HCJB2 Quito, Ecuador. 1 kw. 7-8:15 am; 11:30 am-2:30 pm; 2:45-10:15 pm. "Broadcasting Provincial," Clarence W. Jones, Casilla 691.

4273 RVI5 Khabarovsk, U.S.S.R. 20 kw. 4-10 am. Miss Rowena Meyer, Radio Committee.

4300 4ZB Dunedin, New Zealand. 30 w. At 6 am.

4770 YV1RT Maracaibo, Venez. "La Voz de la Fe," Pedro A. Bermudez V.

4780 YV1RO Trujillo, Venez. "Radio Trujillo," Pedro J. Torres.

4785 HJ1ABB Barranquilla, Colombia. 600 w. Relays HJ1ABA, "La Voz de Barranquilla," Apartado 715. Interval signal, 3 chimes.

4790 YV5RY Caracas, Venez. "La Voz de la Esfera," Edmundo Suegart.

4795 HJ3CAF Bogota, Colombia. 750 w. La Voz de Bogota.

HJ6FAI Ibague, Colombia. 501 w. "Ecos del Combeima."

4800 YV1RV Maracaibo, Venez. "Ecos del Zulia," Luis Garcia.

4805 HJ6FAB Manizales, Colombia. 501 w. "Radio Manizales."

4810 YV1RU Maracaibo, Venez. "Radiodifusora Maracaibo," Luis Mantellini H.

4815 HJ2BAB Cucuta, Colombia. 600 w. Relays HJ2BAC, "La Voz de Cucuta."

4820 YV3RN Barquisimeto, Venez. "Radio Barquisimeto," Amilcar Segura.

4825 HJ5EAD Cali, Colombia. 720 w. "La Voz del Valle."

4830 YV5RH Caracas, Venez. Relays YV5RG, "Ondas Populares," Gonzalo Veloz Mancera, Aptdo. 1931.

4835 HJ1ABE Cartagena, Colombia. 525 w. Relays HJ1ABF, "La Voz de los Labs. Fuentes," Apartado 31.

4840 VUC2 Calcutta, India. 10 kw. 7:30 am-1 pm. All-India Radio.

YV4RX Maracay, Venez. "Radio Maracay," Luis Croquer.

4845 HJ3CAD Bogota, Colombia. 720 w. "Nueva Granada."

4850 YV1RZ Trujillo, Venez. "Radio Valera," L. Febres Jelambi.

4860 YV1RL Maracaibo, Venez. 300 w. Relays YV1RK "Radio Popular," sign off "National Emblem March." Jose A. Higuera, Apartado 247. (6-11 pm).

4865 HJ2BAJ Santa Marta, Colombia. 751 w. 10:30 am-2 pm; 5-11 pm. "La Voz de Santa Marta."

4870 YV2RN San Cristobal, Venez. "La Voz del Tachira," Jesus Diaz Gonzalez.

4875 HJ6FAH Armenia, Colombia. 600 w. 9 am-2 pm; 6-11:30 pm. "La Voz de Armenia."

4878 ZTD Durban, Union of S. Africa. See "Johannesburg." (11:45 pm-12:50 am).

4880 VUB2 Bombay, India. 10 kw. 8 am-1 pm. All-India Radio.

YV6RU Ciudad Bolivar, Venez. "Ecos del Orinoco," E. Torres Valencia.

4885 HJ4DAP Medellin, Colombia. 501 w. Relays HJ4DAQ. 9 am-2 pm; 7 pm-midnight. "Emisora Claridad."

4890 YV1RX Maracaibo, Venez. "Ondas del Lago," Nicolas Vale Quintero.

4895 HJ3CAH Bogota, Colombia. 720 w. "La Voz de la Victor." Relays HJ3CAI. Almacenes Victor, Aptdo 565.

4900 YV6RT Ciudad Bolivar, Venez. "Radio Bolivar," Miranda & Behrens.

4910 YV1RY Coro, Venez. "Radio Coro," Roger Leyba.

4920 VUM2 Madras, India. 10 kw. 7:30 am-1 pm. All-India Radio.

YV5RU Caracas, Venez. "Estudios Universo," Mario Garcia Arocha.

4930 YV4RP Valencia, Venez. "Radio Valencia," Luis Croquer.

4940 YV5RO Caracas, Venez. "La Voz de Venez." Marquis y Linares.

4950 YV4RO Valencia, Venez. "La Voz de Carabobo," Herman Degwitz.

4960 VUD2 Delhi, India. 10 kw. 7:30 am-1 pm. All-India Radio.

YV5RS Caracas, Venez. "Radio Libertador," Victor M. Soto.

4975 YV1RJ Coro, Venez. "Radio Falcon," J. A. Mendoza.

4980 YV5RT Caracas, Venez. "Gobierno Nacional."

4990 YV3RX Barquisimeto, Venez. "La Voz de Lara," Arturo Ramos Maggi.

5000 YV5RK Caracas, Venez. Gobierno Nacional.

5010 YV5RM Caracas, Venez. "Radiodifusora Venez." Degwitz y Sibletz.

5020 YV4RQ Puerto Cabello, Venez. "Radio Pto. Cabello," Rafael A. Segura.

5040 YV5RN Caracas, Venez. Radio Caracas," Almacen Americano.

5146 PMY Bandoeng, Java, N. E. I. 1 kw. Sat, 8 pm-3:30 am. Sun, 5:30 am-noon. Other days, 5:30 am-noon; 7 pm-3 am.

5300 ZIK3 Belize, Brit. Honduras. (8:30-8:50 pm).

5713 TGS Guatemala City, Guat. 200 w. Wed, Thur, Sat, 6-9 pm. Radiotransmisora de la Casa Presidencial."

5824 TIGPH San Jose, Costa Rica. 1 kw. "Alma Tica," Gonzalo Pinto H., Aptdo. 800. (7 pm-midn't).

5875 HRN Tegucigalpa, Honduras. 500 w. "La Voz de Honduras," Mr. Paul John. Interval, notes from national anthem, and signs off with "Goodnight Waltz." 8 pm-midnight.

5880 ZEA Salisbury, Southern Rhodesia. 325 w. Gen'l. P. O., Station Sec'y., Box 792. Sun, 3-5 am.

5940 PJC1 Willemstad, Curacao. 150 w. "Radio Curom," Curacaosche Radio Vereeniging, Emmastad, Curacao. 7:45-9:35 pm.

5945 TG2X Guatemala City, Guat. 200 w. "Policia Nacional." Tue, Wed, Fri, 11 am-1 pm. Sat, 11 am-3 pm.

5975 CS2WD Lisbon, Portugal. 250 w. Radio Renascenca, Rua do Capelo 5-2 esq.

OAX4P Huancayo, Peru. 250 w. "Radio Andina Junin," J. Alberto Maduana, Cuzco 25.

5980 VONG St. John's, Newfoundland. Newfoundland Brdcstg. Corp. Relays VONF. 8:30 am-12:30 pm; 4:30-9:30 pm.

5984 HJ4DAG Quibdo, Colombia. 150 w. "La Voz del Choco.

5995 VUD2 Delhi, India. 10 kw. All-India Radio. 7:30 am-12:30 pm.

6000 CXA2 Montevideo, Uruguay. 5 kw. Cia. de Radio Publicidad Continental, J. C. Gomez 1431. 10 am-10 pm.

HH2S Port-au-Prince, Haiti. Societe Haitienne de Radiodiffusion, Box 103. (7-10 pm).

RV59 Moscow, U.S.S.R. 7-9:15 pm.

XEBT Mexico City, D. F. 500 w. Interval signal, cuckoo calls, and sign off with "Liebestraume." El Buen Tono, S. A., Apartado 79-44. 11 am-1 am.

6005 CFCX Montreal, P. Q. 75 w. Relays CFCF. Canadian Marconi Co., Ltd., Box 1690. Sun, 10 am-11:15 pm. Weekdays 7:45 am-1 am.

HP5K Colon, Panama. 200 w. Relays HOK, 'La Voz de La Victor, Apartado 33. Noon-2 pm; 6 am-midnight.

6007 XYZ Rangoon, Burma. 1500 w. Burma Independent Wireless Sub-Division, W. J. Byrnes, Strand Road. Sun, 8:30-10:30 pm; Daily 5:30-9 am; 8:20-10:30 pm).

ZRH Pretoria, Union of So. Africa. 5 kw. See "Johannesburg." Sat, 9:30 am-4:45 pm; Sun, 8:40 am-noon; 12:15-3:15 pm; Other days, 9:30 am-3:30 pm; 11:45 pm-12:50 am.

6010 CJCX Sydney, N. S. 1 kw. Relays CJCB. Eastern Broadcasters, Ltd., Radio Bldg. Sun, noon-1:30 pm; Weekdays 9 am-2:30 pm.

PRA8 Recife, Brazil. 5 kw. "A Vox do Norte," Radio Club do Brasil, Avenida Cruz Cabuga 394. Time signals at Noon and 7 pm Brazil Time. Sign off with national anthem. 9 am-noon; 1-3 pm; 4-9 pm.

6015 HI3U Santiago de los Caballeros, D. R. 100 w. "La Voz del Comercio," Fernando Bertran, Apartado 23. Sign off "Mario la O" on organ and national anthem. 7:15-9 am; noon-2 pm; 4:45-8 pm.

XEWI Mexico City, D. F. 400 w. Institucion Muncial de la V. I., Mina 56.

6020 DJC Berlin, Germany. 50 kw. See "Berlin." 11:30 am-4:25 pm.

XEUW Veracruz, Ver. C. 20 w. "El Eco de Sotavento desde Veracruz," Av. Independencia 98. Veries for 3c USA stamp. 8 am-midnight.

6025 HI1J San Pedro de Macoris, D. R. 100 w. Fausto M. Donastorg, Aptdo 204. (8-11 pm).

6030 CFVP Calgary, Alta. 100 w. Voice of the Prairies, Ltd., Toronto General Trusts Bldg. (Thur, 9 am-1 am; Sun, noon-midn't.)

HP5B Panama City, Panama. 100 w. Estacion Radiodifusora Miramar de la Radio Panama, Apartado 910. 5-10 pm.

6035 TI7RVM Las Juntas, C. Rica. 500 w. "La Voz del Guanacasto," Ruben Venegas M.

6040 KZIB Manila, Philippines. I. Beck Inc., Box 440. (4-10 am; 6 pm-12:30 am).

WSLA Boston, Mass. 20 kw. See WSLA.

WDJM Miami, Fla. 5 kw. 10 pm-1 am. Relays WIOD. Ruth Richardson, Isle of Dreams Broadcasting Corp.

YDA Tandjong Priok, N.E.I. 10 kw. NIROM. Sign off, "End of a Perfect Day."

6042 HJ1ABG Barranquilla, Colombia. 600 w. Relays HJ1ABH. "Emisora Atlantico," Aptdo. 445.

6044 ZP14 Villarrica, Paraguay. 1 kw. "Radio Cultura."

6045 XETW Tampico, Tams. 100 w. Relays XEFW, Flores y Martinez, Francisco I, Madero 204 Ote. Sun, 10 am-4 pm. Weekdays, 10 am-10 pm.

6053 VK9MI M. V. "Kanimbla." 50 w. Sign off "God Save the King." McIlwraith & McEacharn, Ltd., Melbourne, Australia. (7:15 am).

6054 HJ6FAB Pereira, Colombia. 501 w. "La Voz de Pereira."

6055 .... Bern, Switzerland. 25 kw. See eBrn."

6060 VQ7LO Nairobi, Kenya. Cable & Wireless. Ltd., Box 777. 11 am-2:30 pm.

WCAB Philadelphia, Pa. 10 kw. See "WCAB." (Sun, 6:30-11 pm; Tu, F, 6:30-11 pm; Wed, 6:30-8:30 pm).

WLWO Cincinnati, Ohio. 10 kw. See "WLWO".

6065 SBO Stockholm, Sweden. 500 w. 5:15-5 pm. Telegrafverket Tjanstebrev 5.

6070 CFRX Toronto, Ont. 1 kw. Sun, 10:30 am-midnight. Weekdays 7:30 am-midnight. Relays CFRB. Rogers Radio Broadcasting Co., 622 Fleet St.

6079 DJM Berlin, Germany. 50 kw. See Berlin."

6080 CKFX Vancouver, B. C. 10 w. Relays CKFC Standard Brdcstg. Sys., 1504 Sun Bldg. 2 pm-midnight.

HP5F Colon, Panama.

XEQQ Mexico City, D. F.

6082 OAX4Z Lima, Peru. 10 kw. Radio Nacional." Relays OAX4A, Av. Petit Thouars 447.

6090 ZNS Nassau, Bahamas. Superintendent of Telegraphs, Box 48 (No postage required for veries).

6097½ ZRJ Johannesburg, Union of So. Africa. 200 w. See "Johannesburg." Sat, midnight to 12:50 am; 3:15-7 am; 8:30-11:30 am; Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 8:40-11:30 am; Other days, 3:15-7 am; 9 am-1:30 pm; 11:45 pm-12:50 am.

ZRK Capetown, Union of So. Africa. 5 kw. See "Johannesburg." Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 9 am-11:45 am; noon-3:20 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-4 pm; 11:45 pm-12:50 am.

6100 KZRH Manila, Philippines. "Radio Heacock," Escolta. (5-11 pm).

W9XF Chicago, Ill. 10 kw. Relays NBC-WENR. Audience Mail Dept., NBC, Inc., Merchandise Mart. Sat, 1:05-2 am; 4-5:30 pm; Sun, 1-5:45 pm; Other days, 1:05-2 am; 4-5:45 pm.

YUA Belgrade, Yugoslavia. 1 kw. 12:45 am-5:30 pm. "Radio Beograd," Bureau Central de Presse, Poste Emetteur a Ondes Courtes. Announce in Serbian, Italian, English, German. Turkish, Hungarian, Albanian, and Greek. (12:45 am-5:05 pm).

6105 HI3C La Romana, D. R. 30 w. A. Herrero Hernandez.

6110 GSL London, Gt. Britain. "L for Liberty." See "London."

XEGW Mexico City, D. F. 250 w. Jose G. Garza Fox, San Juan de Letran 81.

6116 .... Saigon, Fr. Indo-China. "Radio Saigon." (6 am).

6120 WCBX New York, N. Y. 10 kw. See "WCBX." (Midnight-2 am).

6122 HI8T San Cristobal, D. R. 30 w. Raul Henriquez.

FK8AA Noumea, New Caledonia. Relays FJP. Announces, "Ici Noumea," and signs off with Marseillaise. 44 rue de l'Alma. Tues, Sat, 2:30-3:30 am.

HJ3CAX Bogota, Colombia. 750 w. Relays HJ3CAZ, La Voz de Colombia, Aptdo 772. (Heard on 6012 kcs). (Sun, Noon-1:30 pm; 6-11 pm; Other days 10:30 am-2 pm; 5:30-11:30 pm.)

TGWB Guatemala City, Guat. 1 kw. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Weekdays, 7:45-9 am; 12:45-3:45 pm; 7:30 pm-12:15 pm. See TGWA.

6130 CHNX Halifax, N. S. 500 w. Sat, 8 am-11:30 pm; Sun, noon-11:15 pm; other days, 7 am-11:15 pm. Maritime Broadcasting Co., Lord Nelson Hotel

COCD Havana, Cuba. 250 w. Relays CMCD. "La Voz del Aire," S. A., Sr. J. Benitez, Aptdo. 2294.

LKJ Oslo, Norway, 5 kw. See "Oslo."

6132 VP3BG Georgetown, British Guiana. Brit. Guiana United Brdcstg. Co., Box 11. (10:30 am-11:30 am; 4-8 pm).

XEXA Mexico City, D. F. 100 w. Depto. de Publicidad y Propaganda, Sr. Jose Rivera.

6137 OR7AA Lourenco Marques, Port. East Africa. Radio Club de Mocambique, Caixo Postal 594. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm.

6140 KZRF Manila, Philippines. "Radio Filipinas," Insular Life Bldg. (5:30-11 pm).

13 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (11 am-noon).

6145 HJ4DAE Medellin, Colombia. 700 w. "La Voz de la Antioquia."

6147½ ZRD Durban, Union of So. Africa. 200 w. See "Johannesburg." Sat, 3:30-7:30 am; 9-11:15 am; Sun, 5:30-7 am; 9-11:16 am; Weekdays, 11:45 pm-12:50 am.

6150 CJRO Winnipeg, Man. 2 kw. James Richardson & Sons, Ltd., 157 Royal Alexandra Hotel.

TIEMC San Jose, C. Rica. 250 w. "Radio El Mundo," Rafael Hine Ch.

6165 TILS San Jose, Costa Rica. 2 kw. "Para Ti," Luis Saenz Mata, Aptdo. 3.

.... Bern, Switzerland. 25 kw. See "Bern."

6170 HI4V San Francisco de Macoris, D. R. 100 w. Luis R. Betances R.

6174 XEXA Mexico City, D. F. Relays XEXM, Departamento Autonomo de Prensa Publicidad (DAPP). Sign off, "March of the Toys." 8:30 am-midnight.

6185 HI1A Santiago de los Gaballeros, D. R. 75 w. "La Voz del Yaque," Rafael Western. (Weekdays, 8-10 pm).

6190 HVJ Vatican City. 15 kw. Mon, Thur, Sat, 2-3:30 pm; Tues, Fri, 2-3 pm; Wed, 2-2:30 pm; 3-3:30 pm. See HVJ.

KGEI San Francisco, Calif. 20 kw. See "KGEI."

TG2 Guatemala City, Guat. 200 w. "Radio Morse," Director General of Electrical Communications. (Sat, 7:30-9 am; 6 pm-1 am; Sun, 7:30-11 am; 3-8 pm; Other days, 7:30-9 am; 6-11 pm).

WGEO Schenectady, N. Y. 40 kw. See "WGEA."

.... Athlone, Ireland.

6200 COKG Santiago de Cuba. 1200 w. Relays CMKG. "Ask For Bacardi." Sres. Grau y Caminero, Aptdo. 137. Daily exc. Sat, 9 am-11 pm.

XEXS Mexico City, D. F. 100 w. Departamento de Salubridad Publica.

ZGE Kuala Lampur, F.M.S. Institute of Medical Research. Sun, Tue, Fri, 6:40-8:40 am.

.... Saigon, Fr Indo-China. "Radio Boy-Landry," Etablissements Boy-Landry. 5:30-9 am.

6235 HRD2 La Ceiba, Honduras. 250 w. 8-11 pm. "La Voz de Atlantida."

6243 HI1N Trujillo, D. R. 700 w. Weekdys, noon-2:30 pm; 5:45-10 pm. Sign off national anthem. Relays HIN. J. M. Bonetti Burgos.

6280 HI1G Trujillo, D. R. 200 w. Relays HIG. Andres Cordero Puello.

6282 COHB Sancti-Spiritus, Cuba 150 w. Relays CMHB, V. E. Wiess y O. Ramirez, Calle Independencia 33. 9-11 pm.

6295 OAX4G Lima, Peru. 400 w. Relays OAX4B, "Radio Grellaud." Roberto Grellaud y Cia., Sen Abencay 915-23 (7-9:30 pm).

6312 ZP14 Villarica, Paraguay, 1 kw. "Radio Cultura."

6316 HI1Z Trujillo, D. R. 100 w. Relays HIZ. Frank Hatton.

6330 COCW Havana, Cuba. 7 am-midnight. Relays CMW. "La Voz de las Antillas," Apartado 130.

6335 OAX1A Chiclayo, Peru. 200 w. "La Voz de Chiclayo." Elias Aguirre 171, Casilla 9. Sign off, "Good Night Waltz." (Sat, 10 pm-midnight; Other days, 8-11 pm).

6340 HI1X Trujillo, D. R. 900 w. Relays HIX. J. R. Saladin. (Tues, Fri, 8-10 pm).

6351 HRP1 San Pedro Sula, Honduras. 100 w. 12:30 pm-12:30 am. "El Eco de Honduras."

6355 IAC Rome, Italy. See "Rome." (3-3:35 pm).

6380 ZIZ Basseterre, St. Kitts. (Reported on 6384). Daily 4-5 pm; Wed, 7-7:30 pm.

6383 HI9B Santiago, D. R. 200 w. Jacinto L. Sanchez, Aptdo. 95.

6420 HI1S Santiago de los Caballeros, D. R. 200 w. "La Voz de La Hispaniola." Generoso Sarnelli. (6-11 pm).

TGQA Quezaltenango, Guat. 200 w. Relays TGQ, "La Voz de Quezaltenango," Director General of Electrical Communications. (Sat, 10 pm-1 am; Sun, 1-3 pm; Other days, 9-11 pm).

6425 W2XGB Hicksville, N. Y. 10 kw. Press Wireless, Inc.

6480 HI1L Santiago, D. R. 100 w. "Emisora Nacional," Maria J. Tavarez, Calle Pres. Trujillo 97. (6:30-8 am; 5:30-7 pm; 8-9:45 pm).

6480 TGWB Guatemala City, Guat. 1 kw. (Reported on 6495). See TGWA.

6500 HIL Trujillo, D. R. 60 w. J. C. Teixido, Aptdo. 623.

6550 TIRCC San Jose, C. Rica. 500 w. Accion Catolica, Prbo. Carlos Borge, Aptdo. 1064.

6565 HI5P Puerto Plata, D. R. 30 w. J. M. Modesto.

6590 COCU Havana, Cuba. Jorge Garcia Serra, Estrada aPlma 25, Vibora. (Sun, 6:55 am-midnight; Weekdays, 6:55 am-1

6600 HI6P Trujillo, D. R. 100 w. Emilio Garden, Jr.

6622 PRADO Rio Bamba, Ecuador. Fabrica de Tejidos de "El Prado," Aptdo. 98. (Thur, 9-11 pm).

6630 HIT Trujillo, D. R. 100 w. "La Voz de La RCA-Victor," F. A. Sanabia, Aptdo. 1105. Interval, bells; sign off, na-

tional anthem. (Sun, 10:45 pm-12:45 am; Weekdays, 5:45-8:45 pm).

6638 HC2RL Guayaquil, Ecuador. 200 w. "Quinta Piedad," Dr. Roberto Levi, Casilla 759. Interval, "Hello, America," sign off, national anthem. (Sun, 5:30-7:30 pm; Tues, 9-11 pm).

6660 HI6Y Trujillo, D. R. 30 w. Alfonso Cuervo.

6675 HBQ Geneva, Switzerland. "Radio Nations." (Sun, 1:45-2:45 pm).

6690 VK8SK Broken Hill, Australia. At 2:30 am. Australian Aerial Medical Service.

6700 TIEP San Jose, C. Rica. 1 kw. "La Voz del Tropico." Eduardo Pinto H., Aptdo. 257. (4-11 pm).

6710 PMH Bandoeng, Java, N.E.I. 1500 w.

6780 HIH San Pedro de Macoris, D. R. 250 w. "La Voz de Higuamo," Domingo Dominguez.

6800 PZH Paramaribo, Surinam.

6960 2ZB Wellington, New Zealand. 200 w.

7000 to 7300 Amateurs.

7006 FETI Valladolid, Spain. 7:30 am-5:30 pm.

7010 XPSA Kweiyang, China. 10 kw. (Reported on 6970 and 7140). (5:30-10:55 am).

7088 PI1J Dortrecht, Netherlands. 50 w. Technical College. (Sat, 10 am-12:50 pm).

7090 FO8AA Papeete, Tahiti. Radio Club Oceanien. (Tues, Fri, 11 pm-midnight).

7100 EA9BJ Spanish Morocco.

7177 CR6AA Lobito, Angola. (Wed, Sat, 2:45-4:30 pm).

7200 EA8AE Las Palmas, Canaries. (Reported on 7150).

7220 12RO11 Rome. Italy. 100 kw. See "2RO."

7222 YV9AB In Venezuela on Gulana-Brazil Border. Expedicion Tecnico de Mineria y Geologia, Ministerio de Fomento, Caracas.

7260 FET8 Spanish Morocco. (5-7 pm).

7270 EA8AS Teneriff, Canaries. Relays EAJ43. (Wed, 4-5 pm).

7300 VIG Port Moresby Papula. Relays 4 pm. A call sign, not time.

7310 .... Madrid, Spain. "Radio Nacional."

7380 XECR Mexico City, D. F. 20 kw. Secretaria de Relaciones Exteriores. (Sun, 6-8 pm).

7435 FG8AH Pointe-a-Pitre, Guadeloupe. "Radio Guadeloupe," Box 125. (6-7:30 pm).

7500 EAJ43 Santa Cruz de Teneriffe, Canaries. Relays "Radio National of Burgos. (8-9 am).

7510 JVP Tokyo, Japan. 50 kw. See "Tokyo" at end of list.

7797 HBP Geneva, Switzerland. "Radio Nations." (Sat, 5:30-6:30 pm).

7894 YSD San Salvador. Relays YSS, "Alma Cuscatleca." Director General de Telegrafos, Telefonos, y Radio Nacionales.

8650 HJ4DAU Medellin, Colombia. 250 w. Universidad Antioquia.

8664 COJK Camaguey, Cuba. 1 kw. 11:30 am-12:30 pm; 8-10 pm. (Reported on 8660 and 8680). Relays CMJK, "Radio Zenith," Jones Castillon y Cie., Finlay #3.

8700 COCO Havana, Cuba. 1 kw. Relays CMCK, Luis Casas Romero, Aptdo 98.

8820 HCJB Quito, Ecuador. 1 kw. "La Voz de los Andes," Clarence

8830 COCQ Havana, Cuba. 1 kw. Relays CMQ, "De La RCA-Victor," Calle 25 No. 225. (Reported on 8850).

9030 COBZ Havana, Cuba. 250 w. Relays CMBZ, "Radio Salas," Aptdo. 866. Opens, nightingales and canaries; interval, 4 chimes; closes, national anthem. (6:45 am-1 am).

9100 COBX Havana, Cuba. Relays CMBX. Alberto Alvarez, San Miguel 194.

9125 HAT4 Budapest, Hungary. 20 kw. Sun, Wed, 7-8 pm; Sat, 6-7 pm. Radiolabor, Kiserleti Allomasa, Gyali-ut 22, Budapest IX.

9125 HC2CW Guayaquil, Ecuador. "Ondas del Pacifico," Aptdo 1166.

9163 HC1GQ Quito, Ecuador. "Radiodifusora Nariz del Diablo." Sign off, "Blue Danube Waltz." Guayaquil & Quito R. R. Co., Aptdo. 159. (8:30-11 pm).

9234 .... Bucuresti, Romania. 2 kw. "Radio Experimental.' Societatea Romana de Radiodifuziune, Str. Gral. Berthelot 60.

9290 HI2G Trujillo, D. R. 200 w. Relays HIG. Andres Cordero Puello.

9295 XTC Shanghai, China. (8-9 am).

9350 HS8PJ Bangkok, Thailand (formerly "Siam"). Post and Telegraph Dept.

.... Fort de France, Martinique. "Radio Fort de France."

9363 COBC Havana, Cuba. Relays CMBC, "El Progreso Cubano," Aptdo 132. (6:55 am-midnight). (Reported on 10000).

9400 .... Saigon, Fr. Indo-China. 10 w. "Radio Michel-Robert," (Weekdays, 7-8:30 am).

9415 PJC2 Willemstad, Curacao. "Radio Curom," Emmastad.

9415 PLV Bandoeng, Java, N.E.I. 80 kw. Governments Radio-Dienst.

9437 COCH Havana, Cuba. 5 kw. Cadena Azul de Radio, Prado 63. (Sun, 8 am-10 pm; other days, 8 am-midnight).

9465 TAP Ankara, Turkey. 20 kw. 11:30 am-5 pm. See "Ankara."

9500 KZIB Manila, P. I. I Beck, Inc., (4-10 am; 6 pm-12:30 am).

9500 OFD Lahti, Finland. 1 kw. See "Lahti." (Weekdays, 5-6:30 am; 10 am-5 pm.)

9500 PRF5 Rio de Janeiro, D. F., Brazil. 12 kw. "A Vox do Brasil." Cia. Radio Internacional do Brasil, Marapicu, D. F. (4:45-5:45 pm).

XEWW Mexico City, D. F. 10 kw. 8:55 am-midnight. "La Voz de la America Latina desde Mexico." Aptdo. 2516. Relays XEW. Cadena Radiodifusora Mexicana.

XGOY Lungtso, China.

9503 XEXA Mexico City, D. F. 100 w. (until 1 am).

9510 CXA8 Colonia, Uruguay. 2500 w. Relays LR3. "Real de San Carlos." (6 am-10 pm).

9510 GSB London, Gt. Britain. 20 kw. "B for Broadcasting." See "London." (1:30-3:50 am; 6:20-9:15 pm; 9:40-11:30 pm).

HS8PJ Bangkok, Thailand (formerly "Siam"). Opening and interval signals, 3 ascending chimes. Post and Telegraph Dept., Col. Phra Aram.

VK3ME Melbourne, Australia. 5 kw. Weekdays, 4-7 am. Amalgamated Wireless, (A/sia), Ltd., 167 King St.

9520 OZF Copenhagen, Denmark. 6 kw. 2-6 pm; 10-11 pm. Statsradiofonicn, Heibergsgade 7.

XEDQ Guadalajara, Jal. 100 w. "Hablando a los Continentes desde Guadalajara." Relays XED, Aptdo. 197. Interval, 4 chimes; sign off, "Jarabe Tapatio."

9523 ZRG Pretoria, Union of So. Africa, 5 kw. See "Johannesburg." (Sat, 5-7 am; 9:30 am-4:45 pm; 11:45 pm-12:50 am; Sun, 5:30-7 am; 8:30 am-noon; 12:15-3:15 pm; Other days, 5-7 am; 9:30 am-3:30 pm; 11:45 pm-12:50 am).

9524 .... Luxembourg. "Radio Luxembourg." (11 am-1 pm).

9525 ZBW3 Hong Kong. 2500 w. Hong Kong Broadcasting Committee, Box 200.

9530 KGEI San Francisco, Calif. 20 kw. See 'KGEI." (3-9 am).

9530 LKC Oslo, Norway. 5 kw. See "Oslo."

VUC2 Calcutta, India. 10 kw. 2:30-4:30 am. All-India Radio.

WGEO Schenectady, N. Y. 40 kw. See WGEA."

9535 JZI Tokyo, Japan. 20 kw. See "Tokyo." (4:40-5:30 pm).

.... Bern, Switzerland. 25 kw. See "Bern."

9536 VPD2 Suva, Fiji. 2 kw. Amalgamated Wireless, (A/sia), Ltd. (5:30-7 am).

9540 DJN Berlin, Germany. 50 kw. (12:05-2:30 am; 4:50-10:50 pm). See "Berlin" at end of list.

9544 HH2S Port-au-Prince, Haiti. Societe Haitienne de Radiodiffusion, Boite Postal 103.

9550 HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-5:30 am. See HVJ.

TPB11 Paris, France. 25 kw 11:15 pm-6 pm. See "Paris" at end of list.

VUB2 Bombay, India. 10 kw. 12:30-4 am; 5-7:30 am; 10-11 pm. All India Radio.

WGEA Schenectady, N. Y. 25 kw. See "WGEA."

9560 DJA Berlin, Germany. 50 kw. See "Berlin." (6:30-10:30 pm).

9562 OAX4T Lima, Peru. 10 kw. "Radio Nacional." Relays OAX4A. (Reported on 9560). Peruvian Gov't., Av. Petit Thouars 447. (7-8 am; 11:30 am-1:30 pm).

9570 KZRM Manila, Philippines. 5 kw. "Radio Manila," Far Eastern Brdcstg. Co., Insular Life Bldg. (4-10:30 am; 4:30-7 pm; 11 pm-12:30 am).

9570 WBOS Springfield, Mass. 10 kw. Relays NBC-WBZ-WBZA. Westinghouse Electric & Mfg. Co.

WPIT Pittsburgh, Pa. 40 kw. See "WPIT."

9580 GSC London, Gt. Britain. 20 kw. "C for Corporation." See "London." (1:30-4 pm.; 4:20-6 pm; 6:25-9:20 pm; 9:40-11:30 pm).

VLR Melbourne, Vic., Australia. 2000 w. 3:15-9:45 am. See VLR.

9585 KZEH Manila, Philippines. Box 119.

9590 HP5J Panama City, Panama. 1 kw. (Reported on 9610). 6:30-11 pm. "La Voz de Panama." Apartado 867.

PCJ Huizen, Netherlands. 60 kw. See "Hilversum." (Sun, 1:40-3 pm; 7:15-9:50 pm; Tu, 1:45-3:30 pm; 7-10:15 pm; W, 7:15-8:40 pm; F, 8-9 pm).

VK2ME Sydney, Australia. 20 kw, Sun, 1-3 am; 5-11 am. Signature, laughing notes of kookaburra. Amalgamated Wireless, (A/sia), Ltd., 47 York St. (Sun, midn't-2 am; 4:30-8:30 am; 11:30 am-1:30 pm).

VK6ME Perth, Australia. 5 kw. Weekdays, 6-8 am. Amalgamated Wireless, (A/sia), Ltd.

VUD2 Delhi, India. 10 kw. 2-4:15 am; 8 am-1 pm; 10 pm-midnight. All-India Radio.

VUD3 Delhi, India. 5 kw. 8 am-1 pm. All-India Radio.

9590 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (M, Th, Sat, 6:30 pm-2 am; Wed, 9 pm-2 am).

WLWO Cincinnati, Ohio. 10 kw. See "WLWO."

9595 HBL Geneva, Switzerland. 20 kw. "Radio Nations."

9600 CB960 Santiago de Chile. (6 pm).

9600 XEYU Mexico City, D. F. (9-11 pm).

9606 ZRL Capetown, Union of So. Africa, 5 kw. See "Johannesburg." (Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 9-11:45 am; noon-3 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-pm; 11:45 pm-12:50 pm).

9615 TIPG San Jose, C. Rica. 2 kw. "La Voz de la Victor," Claudia Martinez. (Reported on 9610). (7 am-11:30 pb; English hour Wed, Sat, 9-10 pm).

9616 HJ1ABP Cartagena, Colombia. 608 w. 4:30-10:30 pm. "Radio Cartagena," Aptado 37.

9620 HAD Budapest, Hungary. (6-9 pm).

9630 HJ7GAD Bucaramanga, Colombia. 650 w. Relays HJ7GAE. "Radio Bucaramanga."

9630 I2RO3 Rome, Italy. 100 kw. See "Rome." (12:07-12:56 pm; 1:01-2:55 pm; 5:30-9 pm).

9645 HH3W Port-au-Prince, Haiti. 30 w. 1-2 and 7-8 pm. C. Ricardo Widmaier, Box A-117.

9645 JLT2 Tokyo, Japan. See "Tokyo." (8-8:30 pm).

9650 IABA Addis Ababa, Ethiopia. 1 kw. E. I. A. A. (Sun, 3:30-3:55 am).

9650 WCBX New York, N. Y. 10 kw. See "WCBX." (10:30-11:30 pm).

9660 CR6AA Lobito, Angola.

HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-5:30 am. See HVJ.

9670 I2RO9 Rome, Italy. 100 kw. See "Rome." (12:40-5:30 pm; 6-6:30 pm).

675 DJX Berlin, Germany. 10:35 am-4:25 pm. See "Berlin" at end of list.

9685 TGWA Guatemala City, Guat. 10 kw. See "TGWA." (Sun, 7 pm-midnight; Weekdays, 7:30 pm-12:15 am).

9690 HMF Baghdad, Iraq. Casr-El-Lahoor Brdcstg. Station. (3 pm).

9692 TI4NRH Heredia, Costa Rica. 750 w. Sun, 7-8 am; Tu, Th, Sat, 9-10 pm. Amando Cespedes Marin, Apartado 40.

9700 "Radio Martinique," Fort de France, Martinique 1500 w. 1:15-2:45 pm; 6-10 pm. Sign off with Marseillaise. Poste Seri. Boite 136.

9730 CB970 Valparaiso, Chie. (Reported on 9710). 6:30-11 pm.

9735 CSW7 Lisbon, Portugal. (8 pm).

9755 ZRO Durban, Union of So. Africa. 200 w. See "Johannesburg." (Sat, 3:30-7:30 am; 9-11:15 am; 11:20 am-4 pm; Sun, 5:30-7 am; 9-11:15 am; 11:20 am-3:20 pm; Other days, 3:30-7:30 am; 9-11:15 am; 11:20 am-3:45 pm).

9835 IRF Rome, Italy. 20 kw. See "Rome." (5:20-5:40 am; noon-12:25 pm; 12:40-1 pm; 1:50-2:30 pm; 6-9 pm).

9860 EAQ Madrid, Spain.

9925 JDY Dairen, Kwantung. 10 kw. 7-8 am. Manchuria Telephone and Telegraph Co.

9985 COCM Havana, Cuba. 1 kw. Relays CMCM, "Trans Radio Columbia," 23 No. 1113, Vedado.

10220 PSH Rio de Janeiro, Brazil. 12 kw. Relays PRF4; signs off with Brazilian National Hymn. Cia. Radio Internacional do Brasil, Caixa Postal 709. (Weekdays, 6-7 pm; M, 8-8:30 pm; F, 7-7:30 pm).

10330 ORK Brussels, Belgium. 11 kw. 1:30-3 pm.

10660 JVN Tokyo, Japan.

10740 JVM Tokyo, Japan.

11402 HBO Geneva, Switzerland. "Radio Nations." Sun, 7-7:45 pm.

11660 JVL Tokyo, Japan.

11673 IQY Rome, Italy. See "Rome." (5:20-5:40 am; 12:07-12:56 pm; 1:50-2:30 pm).

11700 HP5A Panama City. 300 w. Sun, 9 am-1 pm; 6-10 pm. Weekdays, 11:45 am-1 pm; 6-10 pm. "Radio Teatro Estrella de Panama." Sign off with "Anvil Chorus." Radio Teatro, Aptdo. 954.

11705 JLG3 Tokyo, Japan. See "Tokyo." (8-8:30 pm).

11705 SBP Stockholm, Sweden. 500 w. Sun, 1:15-4:15 pm; Wed, Sat, 8-9 pm; Daily 1-4:15 pm. Telegrafverket Tjanstebrev 5.

11718 CR7BH Lourenco Marques, Port. E. Agrica. 200 w. Radio Club de Mocambique, Caixa 594. (Sun, 5-7 am; 10 am-12 pm; Weekdays, midn't-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm).

11718 TPB6 Paris, France. 7-9:15 pm. See "Paris."

TPA4 Paris, France. 7-9:15 pm; 9:30 pm-midnight. See "Paris."

11720 CJRX Winnipeg, Man. 2 kw. James Richardson & Sons, 157 Royal Alexandra Hotel.

11721 ZP14 illarrica, Paraguay. "Radio Cultura." (7:07-9:07 pm).

11730 PHI Huizen Netherlands. 23.6 kw. See Hilversum.

WSLA Boston, Mass. 20 kw. See "WSLA."

11730 WSLR Boston, Mass. 20 kw. See "WSLA."

11735 LKQ Oslo, Norway. 5 kw. See "Oslo." (11 am-2 pm).

11740 HVJ Vatican City. 15 kw. Tues, 8:30-9 am. See HVJ.

11750 GSD London, Gt. Britain. 20 kw. "D For Daventry." See "London." (1:30-3:50 am; 12:35-4 pm; 4:20-6 pm; 6:20-9:15 pm; 9:40-11:30 pm).

11753 COCX Havana, Cuba. Relays CMX, "Casa Lavin," Box 32. Sun, 6-9 pm; weekdays, 8 am-midnight).

11760 TGWA Guatemala City, Guat. 10 kw. Sun, 12:45-5:15 pm; Weekdays, 12:45-1:45 pm. See TGWA.

11770 DJD Berlin, Germany. 50 kw. 11:30 am-4:30 pm; 4:50-10:50 pm. See "Berlin."

11770 MTCY Hsingking, Manchukuo. Strasbourg." (10-11:30 pm).

11776 ... "Radio Luxembourg." Cie. Luxembourgoise de Radiodiffusion, (1 hour daily, same hour for three days then advanced an hour for next 3-day period).

11780 HP5G Panama City, Pan. 750 w. "Ron Dalley." Opens, closes, with Prelude from "Traviata." Salvador Graziani, Box 1121. (6-10 pm).

11780 .... Saigon, Fr. Indo-China. "Radio Saigon." (6 am).

11790 WSLA Boston, Mass. 20 kw. See "WSLA."

11800 JZJ Tokyo, Japan. 50 kw. See "Tokyo." (7-9:30 am; 2:30-4 pm).

11801 DJZ Vienna, Germany. 50 kw. See "Berlin." (4:50-10:50 pm).

11810 I2RO4 Rome, Italy. 100 kw. See "Rome." (4:30-4:55 am; 5-7:25 am; 7:30-8:45 am; 10 am-3 pm; 6-9 pm).

11820 GSN London, Gt. Britain.

11830 WCBX New York, N. Y. 10 kw. See "WCBX." (Sun, 3-6 pm; Daily exc. Sun, 4-6 pm; Daily 6:30-10 pm).

11840 KZRM Manila, Philippines. Erlanger & Gallinger, Inc., David St.

11840 OLR4A Prague, Bohemia. 35 kw. "Radio Podebrady." (M, Tu, W, Th, F, 8-10:30 am; Sun, 7:15-9:55 pm).

11850 HAD Budapest, Hungary. (2-6 pm).

11870 VUM2 Madras, India 10 kw. 4-4:30 am. All-India Radio.

11870 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (2-11 pm).

11870 ... Strasbourg, France. "Radio

11880 VLR3 Melbourne, Australia. 1-3 am. See VLR.

11885 TPA3 Paris, France. 25 kw. 2-5 am; 11:15 am-6 pm. See "Paris."

TPB7 Paris, France. 25 kw. 9:30 pm-midnight. See "Paris."

11900 I2RO13 Rome, Italy. 100 kw. See 2RO.

11900 XGOY Chungking, China. Central Brdcstg. Station. (5:30-10:30 am; 11-11:30 am; 4-6:30 pm).

11900 XMHA Shanghai, China. 445 Racecourse Road. (Reported on 11840 and 11857). (6 am).

11900 .... Hanoi, Fr. Indo-China. "Radio Hanoi II." 20 rue de la Pepiniere. (Sat, 8:30-10:30 pm; Sun, 12:01-9:30 am; Other days, 12:01-2:30 am; 6-9:30 am).

11930 PPH Rio de Janeiro, Brazil. (5:30 am).

11960 HI2X Trujillo, D. R. 900 w. Relays HIX. J. R. Saladin, Gobierno Dominicano. (Sun, 7:40-10:40 am).

12230 COCE Havana, Cuba. "La Voz del Transporte," Prado 18. (8 am-midn't.)

12235 TFJ Reykjavik, Iceland. 7500 w. Sun, 1:45-2:30 pm Icelandic State Broadcasting Service, Box 547.

12460 HCJB Quito, Ecuador. (Reported on 12450). Clarence W. Jones, Casilla 691. (Daily exc. Mon, 10-11 pm).

13900 YN3DG Leon, Nicaragua. (Verifies for 10c). (Sat, Sun, 10 pm).

14125 YV9AB In Venezuela on Guiana-Brazil Border. Expedicion de la Gran Sabana, Ministerio de Fomento, Caracas.

14795 IQA Rome, Italy. See "Rome." (4:30-4:55 am).

14935 PSE Rio de Janeiro, Brazil. W, 4-4:10 pm; Th, Sat, 3-3:30 pm).

15110 DJL Berlin, Germany. 50 kw. 12:05-2 am; 8-9 am; 10:35 am-4:25 pm. See "Berlin."

15120 HVJ Vatican City. 15 kw. Tues, 10:30-11 am; Sun, 1-1:30 pm. See HVJ.

15130 TPB11 Paris, France. 25 kw. 2-5 am. See "Paris."

WSLA Boston, Mass. 20 kw. See "WSLA."

15130 WSLR Boston, Mass. 20 kw. See "WSLA."

15140 GSF London, Gt. Britain. 15 kw. "F For Fortune." See "London." (5:45-8:50 am; 9 am-noon; 4:20-6 pm; 6:20-9:15 pm).

15160 JZK Tokyo, Japan. 50 kw. See "Tokyo." (Midnight-1:30 am; 7-9:30 am; 2:30-4 pm).

VUD3 Delhi, India. 5 kw. 2-4:15 am; 10 pm-midnight. All-India Radio.

XEWW Mexico City, D. F. 10 kw. "La Voz de la America Latina desde Mexico," Aptdo. 2516.

15170 LKV Oslo, Norway. 5 kw. See Oslo.

15170 TGWA Guatemala City, Guat. 10 kw. See "TGWA." (Sun, 12:01-1 am; 10:30 am-5:15 pm; Weekdays, 7:45-9 am; 12:45-3:45 pm).

15180 GSO London, Gt. Britain. "O For Ocean." See "London." (4:20-6 pm; 6:25-9:20 pm).

15195 TAQ Ankara, Turkey. 20 kw. Turkish Brdcstg. System. Daily 5:30-7 am.

15200 DJB Berlin, Germany. 8 kw. See "Berlin." (5-11 am; 4:50-10:50 pm; Sun, 11:10 am-12:25 pm).

15210 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (9 am-2 pm).

15220 PCJ2 Hilversum, Netherlands. 60 kw. See "Hilversum." (Sun, 7:40-9:05 am; M, Th, 7:40-9 am; Tu, 1-2:30 am; W, 9:30-11:30 am; Tu, W, F, Sat, 7:40-8:45 am).

15240 CR7BD Lourenco Marques, Mozambique. Radio Club de Mocambique, Box 594. (Sun, 5-7 am; 10 am-2 pm; Other days, midn't-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm).

15243 TPA2 Paris, France. 25 kw. 6-11 am. See "Paris."

15260 GSI London, Gt. Britain. "I For Island." See "London." (1:30 am-3:50 am; 12:25-4 pm).

15270 WCAB Philadelphia, Pa. 10 kw. See WCAB. (Sun, 3-6 pm; Mon thru Fri, 4-6 pm).

15270 WCBX New York, N. Y. 10 kw. See "WCBX." (Sun, 1-2:30 pm; Other days, 1-3:30 pm).

15280 DJQ Berlin, Germany. 50 kw. Daily, 12:05-11 am; 4:50-10:50 pm. See "Berlin."

15280 HI3X Trujillo, D. R. 900 w. (Reported on 17400). Relays HIX. Secretaria de Comunicaciones y Obras Publicas. (Tu, F, 8:10-10:10 pm; Sun, 7:40-9:40 pm).

LRU Buenos Aires, Argentina. 5 kw. 8 am-1 am. "Radio El Mundo," Calle Maipu 555.

15300 I2RO6 Rome, Italy. 100 kw. See "Rome." (4:10-4:55 am; 10 am-12:06 pm; 1:40-2:30 pm; 3-5:30 pm; 7:30-9 pm).

15300 LYZ4 Kaunas, Lithuania. (Reported on 15130). (Sun, 1 pm).

15310 GSP London, Gt. Britain. "P For Progress." See "London." (12:17-1:15 pm; 1:15-4 pm; 4:20-6 pm).

15330 KGEI San Francisco, Calif. 20 kw. See "KGEI." (1-4 am; 5-8 am; 12:30-8 pm).

15340 DJR Berlin, Germany. 50 kw. See "Berlin." (4:55-10:50 pm).

15410 .... Bucuresti, Romania. 50 kw. "Radio Bucuresti." (9-10:15 pm).

17760 DJE Berlin, Germany. 50 kw. See "Berlin." (12:05-5:50 am; 6-7:45 am; 8-11 am; 11:10 am-12:25 pm; 4:55-9 pm).

17770 PHI2 Huizen, Netherlands. 23.6 kw. See "Hilversum." (Sun, 6:40-10:05 am; M, Th, 7:40-9 am; Tu, W, F, Sat, 7:40-8:45 am).

17785 JZL Tokyo, Japan. See "Tokyo." (4:30-:530 pm; 8-8:30 pm).

17790 GSG London, Gt. Britain. 5:45-8:50 am; 9 am-noon; 12:20-4 pm. See "London."

17800 TGWA Guatemala City, Guat. 10 kw. See "TGWA."

17810 GSV London, Gt. Britain. 5:45-8:50 am; 12:20-4 pm. See "London."

17840 HVJ Vatican City. 15 kw. See HVJ.

21470 GSH London, Gt. Britain. 5:45-8:50 am; 9 am-noon. See "London."

21520 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (Noon-6 pm).

21530 GSJ London, Gt. Britain. 5:45-8:50 am. See "London."

21540 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (5:30-9 am).

21565 DJJ Berlin, Germany. 6-7:50 am. See "Berlin."

21570 WCBX New York, N. Y. 10 kw. See "WCBX." (8 am-12:30 pm).

21680 HAD Budapest, Hungary. (11 am-2 pm).

Addresses

Ankara—Radio Ankara." Ann: Turkish, Eng, Fr, Ger. Sign off, National anthem. Turkish Brdcstg. System, Correspondence Dept.

Berlin—These transmitters are located at Zeesen, near Berlin. Interval signal is the tune, repeated several times, "Ever Be True and Honest," and sign off theme, two national anthems, "Horst Wessel Lied" and "Deutschlandlied". Address is Reichs-Rundfunk G. m. b. H., Haus des Rundfunk, Masurenallee, Berlin-Charlottenberg 9.

Hilversum—Transmitters at Huizen. PCJ is "The Happy Station." Announcements in Dutch, German, French, English, Spanish, Portuguese. Sign off with National Anthem. N. V. Philips' Radio, Eindhoven.

Johannesburg—All programs originate in J/B. Announce "Johannesburg Calling." English and Afrikaans. Open with bugle call. South African Broadcasting Corp., Box 4559, Johannesburg.

London—Transmitters are at Daventry. Interval signals are Bow Bells; Greenwich time signal on even hours; and, irregularly, Big Ben, preceded by Westminster Chimes, strikes the hours. Sign off with "God Save The King." British Broadcasting Corp., London W1.

Oslo—Norsk Rikskringkasting, Shortingsgaten 28, Oslo, Norway.

Paris—Transmitters at Essarts-le-Roi. Announce as "ParisMondial," (Paris Embracing The World), and sign off with "La Marseillaise." Minister of Posts, Telegraphs and Telephones, 98 bis Blvd. Haussmann.

Rome—"Radio Roma-Napoli." Transmitter at Prato-Smeraldo. Interval signal, chirping of bird. Announcements usually by a lady. Sign off with 2 anthems, "Giovinezza" and "Marcia Reale." Ente Italiano per le Audizioni Radiofoniche, Via Montello 5.

Tokyo—Transmitters are at Nazaki. Sign off with national anthem, "Kimagayo." Nippon Hoso Kyokai, 2-Chome, Uchisaiwaicho, Kojimachi-ku.

HVJ—Announcements in Dutch, Italian, Polish, English, German, French, Spanish, Russian. A clock or metronome ticks seconds during 5 minutes preceding broadcasts. Bells of St. Peters strike hour. Open and close with Laudetur Jesus Christus." Pontifica Accademia Della Scienze, Roma-Castina Pio IV.

KGEI—Transmitter at Treasure Island. General Elec. Co., 235 Montgomery St., San Francisco, Calif.

TGWA—Radiodifusora National, "La Voz de Guatemala." Relay TGW. Return postage is not necessary for verifications.

VLR—Transmitter at Lyndhurst. Australian Broadcasting Commission (Victorian Division), P. O. Box 1686, GPO, Melbourne, Vic., Australia.

WCAI—Trans. at Newton Square. Relays GBS-WCAU. WCAU Brdcstg. Co., 1622 Chestnut St., Philadelphia, Pa.

WCBI—"The Voice of Labor." Transmitter, York Township. Relays NBC-WCFL. Sign off in English, French, German, Norwegian, Polish, Russian and Spanish. Chicago Federation of Labor, 666 Lake Shore Drive, Chicago, Ill.

WCBX—Transmitter at Wayne Twp., N. J. Relays CBS-WABC. Sign off, "Star Spangled Baner." Columbia Broadcasting Sys., 485 Madison Ave., New York City.

WGEA—Transmitter at South Schenectady. Relays NBC-WGY. Programs commence with discharge of man-made lightening. General Elec. Co., 1 River Road.

WLWO—Transmitter at Mason. Relays NBC-WLW. Crosley Corp., 1320 Arlington St., Cincinnati, Ohio.

WNBI—Transmitter at Bound Brook, N. J. Relays NBC-WJZ. Sign off with "Star Spangled Banner." NBC, Inc., 30 Rockefeller Plaza, New York, N. Y.

WPIT—Transmitter at Saxonburg. Relays NBC-KDKA. Westinghouse Electric & Mfg. Co., Grant Bldg., Pittsburgh, Pa.

WSLA—"Dedicated to Enlightment." World Wide Broadcasting Corp., Educational Director, University Club, Boston. Mass.

A San Francisco DXer, George Tonison, tuning his new Hallicrafters receiver. George is one of the most active DX reporters on the west coast.

SHORTWAVES

(Continued from page 35)

Martin W. Sullivan, Lynn, Mass.
H. L. Tomkinson, Mt. Holly, N. J.
Murray Vaughan, St. Matins, N. B.
Pat Webb, San Antonio, Texas
Bill Wells, Ontario, Canada
John H. Wheeler, Mystic, Conn.

G. R. Jewell, Jr., formerly of Alabama but now of San Diego, Calif. He says so many of his pen pals have asked to see his picture that he has to have it printed in Radex to satisfy them all. Has been interested in radio since the crystal days.

XERB heard testing around 8 A.M. but have been unable to hear them at night even after KMOX signs off. They stated they were located at "The beautiful Rosarito Beach Hotel". (Pat Webb. San Antonio, Texas and Farnk Susoreny, R1421, E. Chicago, Ind.)

CMCM's card is a beauty. It shows a waterfront view of Havana and an inset photo of Cuba's capital building. (Allen G. Verrill, Brockton, Mass.)

CMCY sends a post card view of a tobacco plantation. CMBZ beard on both 940 and 1010 kcs. (C. R. Bendes, Pitsburgh, Pa.)

CMBZ is now 5000 watts on 1010 kcs. . . . CMBQ is on 1150 kcs. (Wm. Cunningham, Hollywood, Calif.)

CMAB with 200 watts has been reinstalled in Pinar del Rio. It belongs to Martine Rodriguez and uses 1240 kcs. . . . CMBG will increase from 200-1500 watts . . . CMAN is a 1000 watt transmitter owned by Compania Radio Havana and is testing. (Carlos Ramirez G., Havana, Cuba.)

CMBH on 1600 kcs. with 5 kw. sign off at 11 p.m. and are owned by A. Alvarez, San Miguel 570. Verify promptly. (Franis T. Coradetti, R884, Narbeth, Pa.)

The WORLD'S Radio Stations

(Continued From March-April Issue)

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

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

8600	HC1EC	B	....	Quito, Ecuador.
	PHF4	C	....	Panama City, Panama
8620	WVD	T	....	Seattle, Wash. Alaskan Telephone Co., 517 Federal Office Bldg.
8630	CMA5	C	1000	Havana, Cuba. Cuba Transatlantic Radio Corp., Obispo y Aguiar
	VJI	SEM	....	Cloncurry, Qsld., Australia. Australian Airways Medical Service.
	VOWQ	FA	....	Northwest River, Labrador. Newfoundland Skyways, Ltd.
8650	HJ4DAU	B	250	Medellin, Colombia.
8653	W8XUK	GE	10	Portable. W. Va. University Dept. of Physics.
	W8XUL	GE	10	Portable. Same as above.
8655	KDKC	..	....	Los Angeles, Calif. James Wallington, CBS, Columbia Sq.
	KHRH	RB	100	NC-1990⁴. Howard R. Hughes, NYC.
	KSFM	RB	....	New York City. NBC, Inc.
	K6XAK	GE	1500	Kaena Point, Oahu, T. H. Globe Wireless, Ltd
	WCBN	RB	....	New York City. CBS, Inc.
	WNBM	RB	....	New York City. NBC, Inc.
	W2XYR	GE	125	Wilmington, N. Y. Whiteface Mountain Meterological Observatory.
	W4XID	E1	50	W. Palm Beach, Fla. Gray Radio Co.
	W6XQW	GE	1000	Palo Alto, Calif. Stanford University
	W6XXT	GE	5000	Portable. Press Wireless, Ltd.
	W7XBA	E	15	Portable. Northern Radio Co.
	W7XEY	E1	60	Seattle, Wash. Radio Labs., Inc.
	W7XEZ	E1	60	Seattle, Wash. Radio Labs., Inc.
	W9XEI	GE	400	Lake Bluff, Ill. Thorne Donnelly
	W10XDA	E1	100	"Effie M. Morrissey." Donald Elias Clark, New York City.
	W10XJJ	GE	25	Portable. Harvey Radio Labs., Inc.
8663	COJK	B	1000	Camaguey, Cuba
8680	GBC	T	....	Rugby, Gt. Britain
8690	VK8US	SEM	....	Alice Springs, Australia. Australian Airways Medical Service.
	VWZ	T	10000	Kirkee, Poona India. Indian Radio &Cable Communications Co., Poona 6.
8700	COCO	B	1000	Havana, Cuba
8710	KBB	C	....	Manila, Philippines.
8720	CFU	C	....	Annable, B. C., Canada. Consolidated Mining & Smelting Co.
	CZ5Y	C	....	Anyox, B. C. Same as CFU
8730	GCI	C	....	Rugby, Gt. Britain
8740	WXV	T	....	Fairbanks, Alaska
8750	VK8UB	SEM	....	Kalgoorlie, W. A., Australia. Austrailan Airways Medical Service.
8770	ICEJ	S	....	S. S. "Rex." Italian Lines, 1 State St., NYC.
8790	WWMA	G	....	Detroit, Mich. U. S. Immigration Border Patrol.
	WWMB	G	....	Buffalo, N. Y. Same as WWMA
	WWMD	G	....	Derby Line, Vt. Same as WWMA
8798	HKV	..	....	Bogota, Colombia
8810	IBLI	S	....	S. S. "Conte di Savoia." Italian Lines 1 State St., NYC.
8820	HCJB	B	1000	Quito, Ecuador.
	WOGK	S	100	Yacht "Mako." Thorne Donnelley.
8830	COCQ	B	1000	Havana, Cuba
	VK8SI	SEM	....	Wyndham, Australia. Australian Airways Medical Service.
8840	ZMBJ	S	....	T. S. S. "Awatea." Union Steam Ship Co. of New Zealand, Ltd.
8850	VQB4	C	....	Sandakan, British North Borneo
8960	TPZ	T	....	Alger, Algiers. Directeur du Service de la Telegraphie sans fil, 5 rue Froidevaux, Paris.
9010	KEJ	C	....	Bolinas, Calif. R. C. A. Communications Inc.
9020	GCS	T	15000	Rugby, Gt. Britain.

9030	COBZ	B	250	Havana, Cuba
9038	VWY	T	....	Kirkee, Poona, India.
9040	TYA2	T	10000	Pontoise, France. Service de la TSF, 5 rue Froidveaux, Paris XIV
9045	VWY	C	....	Kirkee, Poona, India.
9050	NPO	Time	....	Cavite, Philippines.
9080	XTK	...	....	Hankow, China
9100	COBX	B	....	Havana, Cuba.
9120	CPQ5	C	....	LaPaz, Bolivia
	YCP	...	....	Bandoeng, Java, N.E.I.
9125	HAT4	B	20000	Budapest, Hungary
	HC2W	B	....	Guayaquil, Ecuador
9130	CY2Q	C	....	Atlin, B. C., Canada. B. C. Provincial Police.
	CZC	P	....	Bralorne, B. C. Same as CY2Q
	CZ7A	C	....	Alert Bay, B. C. Same as CY2Q
9135	KRTA	E	125	Snow Cruiser, Little America. Byrd Antarctic Expedition
	KRTC	E	125	East Base, Little America. Same as KRTA
	KRTK	E	125	West Base, Little America. Same as KRTA
	W2XGB	GE	10000	Hicksville, N. Y. Press Wireless, Inc.
	W1OXJF	E	....	Yacht "Mako." Thorne Donnelley.
9160	CZ4B	T	....	Armstrong, Ont. Ontario Dept. of Lands and Forests.
	CZ5C	T	....	Basswood, Ont. Ontario Dept. of Lands and Forests.
9163	HC1GQ	B	....	Quito, Ecuador
916	YVR	T	....	Maracay, Venezuela
9180	ZSR	T	....	Klipheuvel, Union of So. Africa. Overseas Communications of So. Africa, Ltd., Box 962, Capetown.
9234	...	B	2000	Bucuresti, Romania.
9250	Naa	Time	....	Arlington, Va.
9280	GCB	C	15000	Rugby, Gt. Britain
	XGU	..	....	Shanghai, China
9290	HI2G	B	200	Trujillo, D. R.
9295	XTC	B	....	Shanghai, China
9300	KNGU	B	50	Managua, Nicaragua
9310	KGJW	A	....	Brownsville, Texas. Pan-American Airways
9330	OAX4J	..	....	Lima, Peru
9350	HS8PJ	B	....	Bangkok, Thailand.
	XTR	C	....	Canton, China. Chinese Government Radio Administration
	....	B	....	Fort de France, Martinique
9355	WNQ	..	....	Hialeah, Fla.
9363	COBC	B	....	Havana, Cuba
9400	....	B	10	Saigon, French Indo-China
9415	PJC2	B	....	Willemstad, Curacao
	PLV	C	80000	Bandoeng, Java, N.E.I.
9425	NAA	Time	....	Arlington, Va.
9437	COCH	B	5000	Havana, Cuba
9445	HC2RA	B	....	Guayaquil, Ecuador
9448	WES	C	....	Rocky Point, N. Y.
9460	ICK	..	2000	Tripoli
	WKJ	C	....	New Brunswick, N. J. R.C.A. Communications
9465	TAP	B	20000	Ankara, Turkey
9470	PJC1	B	150	Willemstad, Curacao
	WET	C	....	Rocky oPint, N. Y.
9475	EAH	B	....	Madrid, Spain
9480	KES	C	....	Bolinas, Calif. RCA Communications
9490	OAX5C	B	....	Ica, Peru
	XTV	B	....	Canton, China ..
9500	CLX	..	250	Havana, Cuba. Observatorie Nacional, Casa Blanca
	KZIB	B	....	Manila, Philippines
	OFD	B	1000	Lahti, Finland
	PRF5	8	12000	Rio de Janeiro, Brazil
	XEWW	B	10000	Mexico City, D. F.
	XGOY	..	....	Lungtso, China
	XGW	..	....	Shanghai, China
9503	XEXA	B	100	Mexico City, D. F.
	....	B	....	Tananarive, Madagascar
9504	OLR3B	B	35000	Prague, Bohemia
9505	JLG2	T	....	Nazaki, Japan. Nippon Hoso Kyokai, Shibaku, Tokyo
9510	CXA8	B	2500	Colonia, Uruguay
	GSB	B	20000	London, Gt. Britain
	HS8PJ	B	....	Bangkok, Thailand
	VK3ME	B	5000	Melbourne, Vic., Australia
	....	B	....	Hanoi, rFench Indo-China
9520	OAX4J	B	500	Lima, Peru

	OZF	B	6000	Copenhagen, Denmark
	TPB13	B	25000	Paris, France
	XEDQ	B	100	Guadalajara, Jal. Mexico
	YSH	B	....	San Salvador, El Salvador
9523	LYZ2	B	....	Kaunas, Lithuania
	ZRG	B	5000	Pretoria, Union of So. Africa
9524	....	B	....	Luxembourg
9525	JLU2	T	....	Nazaki, Japan. Nippon Hoso Kyokai, Shiba-ku, Tokyo
	ZBW3	B	2500	Hong Kong
9530	KGEI	B	20000	San Francisco, Calif.
	VUC2	B	10000	Oslo, Norway
	WGEO	B	40000	Calcutta, India
	LKC	B	5000	Schenectady, N. Y.
	ZHP	B	400	Singapore, Straits Settlements
9535	JZI	B	20000	Nazaki, Japan
	....	B	25000	Bern, Switzerland
9536	VPD2	B	2000	Suva, Fiji
9540	DJN	B	50000	Berlin, Germany
9544	HH2S	B	....	Port-au-Prince, Haiti
9550	HVJ	B	15000	Vatican City
	TPB12	B	25000	Paris, France
	VUBA2	B	10000	Bombay, India
	WGEA	B	25000	Schenectady, N. Y.
	XEFT	B	12	Veracrus, Ver. C., Mexico
9560	DJA	B	50000	Berlin, Germany
	YDB	B	1000	Sourabaya, Java, N.E.I.
9562	OAX4T	B	10000	Lima, Peru
9570	KZRM	B	5000	Manila, Philippines
	TPB11	B	25000	Paris, France
	WBOS	B	10000	Springfield, Mass.
	WPIT	B	40000	Pittsburgh, Pa.
9580	GSC	B	2000	London, Gt. Britain
	VLR	B	2000	Melbourne, Vic., Australia
9585	KZEH	B	....	Manila, Philippines
	TPB10	B	25000	Paris, France
9590	HP5J	B	1000	Panama City, Panama
	PCJ	B	60000	Hilversum, Netherlands
	VK2ME	B	20000	Sydney, NSW, Australia
	VK6ME	B	5000	Perth, W.A., Australia
	VUD2	B	10000	Delhi, India
	VUD3	B	5000	Delhi, India
	WCAB	B	10000	Philadelphia, Pa.
	WLWO	B	10000	Cincinnati, Ohio
9595	....	..	....	Athlone, Ireland
	HBL	B	20000	Geneva, Switzerland
	RAN	B	....	Moscow, U.S.S.R.
9600	CB960	B	....	Santiago, Chile
	GRY	B	....	London, Gt. Britain
	XEYU	B	....	Mexico City, D. F., Mexico
9605	JLP	T	....	Nazaki, Japan
9606	ZRL	B	5000	Capetown, Union of So. Africa
9610	YDB	B	1000	Sourabaya, Java, N.E.I.
9615	TIPG	B	2000	San Jose, Costa Rica
9616	HJ1ABP	B	608	Cartagena, Colombia
9620	HAD	B	....	Budapest, Hungary
9630	HJ7GAD	B	650	Bucaramanga, Colombia
	12RO3	B	100000	Rome, Italy
9636	JFO	B	....	Itabushi, Taiwan
9645	HH3W	B	30	Port-au-Prince, Hait
	JLT2	B	....	Tokyo, Japan
9650	IABA	B	1000	Addis Ababa, Ethiopia
	WCBX	B	10000	New York City
9655	JLS	T	....	Nazaki, Japan
9660	CR6AA	..	....	Lobito, Angola
	HVJ	B	15000	Vatican City
	LRX	B	5000	Buenos Aires, Argentina
	967012RO9	B	100000	Rome, Italy
	W3XAL	B	35000	New York City
9675	DJX	B	....	Berlin, Germany
	JVW2	T	....	Nazaki, Japan
9685	TGWA	B	10000	Guatemala City, Guatemala
9690	GRX	B	....	London, Gt. Britain
	HMF	B	....	Baghdad, Iraq
	LRA	B	5000	Buenos Aires, Argentina
	ZHP	B	....	Singapore, Straits Settlements
9692	TI4NRH	B	750	Heredia, Costa Rica
9700	COCA	B	....	Havana, Cuba
	....	B	1500	Fort de France, Martinique

9730	CB970	B	....	Valparaiso, Chile
9735	CSW7	B	....	Lisbon, Portugal
9750	WDL	C	20000	Ocean Gate, N. J. American Telephone & Telegraph Co.
	WOF	C	....	Lawrenceville, N. J.
9755	ZRO	B	200	Durban, Union of So. Africa
9790	CPP5	C	....	Viacha, Bolivia
	CPX4	C	....	Yacuiba, Bolivia
9835	IRF	B-E	20000	Rome, Italy
9850	VEW	C	....	Calgary, Alta. Dominion Government
9860	EAQ	B	....	Madrid, Spain
9870	WON	C	....	Lawrenceville, N. J.
9890	LSN2	T	....	Buenos Aires, Argentina
9925	JDY	B	10000	Dairen, Kwang Tung
9940	WCT	T	400	San Juan, Puerto Rico. Radio Corp. of P. R.
9950	COCU	B	....	Havana, Cuba
	GCU	T	15000	Rugby, Gt. Britain
995	COCM	B	1000	Havana, Cuba
9990	KAZ	T	40000	Manila, Philippines. Radio Corp. of the Philippines
10000	WWV	G	1000	Beltsville, Md. National Bureau of Standards, Washington, D. C.
10042	DZB	T	....	Berlin, Germany
10055	SUV	T	10000	Cairo, Egypt
	ZFB	T	1500	Hamilton, Bermuda
				Macau, Portuguese China
10065	CQN	T	....	Shinkio, Manchukuo. Manchukuo Telegraph &
	TDE	T	....	Telephone Co., Ltd.
				La Lima, Honduras. Tela R. R. Co.
10070	HRI2	C	400	Tiflis, U.S.S.R.
10080	RIR	..	....	Shinkio, Manchukuo. Manchukuo Telegraph &
10105	TDB	T	20000	Telephone Co., Ltd.
				Jesselton, British North Borneo
10110	VQA5	C	....	Leopoldville, Belgian Congo.
10135	OPM	T	....	Sandakan, British North Borneo
10200	VQB5	..	....	Rio de Janeiro, Brazil
10220	PSH	B	12000	Antofagasta, Chile. Cia. de Telefonos de Chile
10230	CED	T	....	Buenos Aires, Argentina. Cia. Internacional de
10250	LSK3	T	5000	Radio, S. A., Defensa 143
				Bandoeng, Java, N.E.I.
10260	PMN	B	1500	Abrolhos, Brazil
	PWH	C	....	Berlin Germany
10290	DZC	B	....	Buenos Aires, Argentina. Cia. Internacional de
10300	LSL2	T	....	Radio, Defensa 143
				Rio de Janeiro, Brazil
10310	PPM	T	....	Brussels, Belgium
10330	ORK	T	11000	St. George, Bermuda. Imperial and Interna-
10335	ZFD	T	1500	tional Communications, Ltd.
10350	LSX	T	20000	Buenos Aires, Argentina. Cia. Radio-telegrafica Argentina, San Martin 329
10370	EAJ43	B	23000	Santa Cruz de Tenerife, Canaries
10400	KEZ	C	....	Bolinas, Calif.
10420	XGW	B	....	Shanghai, China
10430	TYE3	T	....	Pontoise, France
10465	WAT	C	1600	Hialeah, Fla. Tropical Radio Telegraph Co.
10480	KNR	C	....	Clearwater, Calif. Mackay Radio & Tele- graph Co.
10535	JIB	B	6000	Taihoku Taiwan
	KGJW	A	....	Brownsville, Texas. aPn-American Airways
10600	ZIK2	B	....	Belize, British Honduras
10610	WEA	T	40000	Rocky Point, N. Y.
10660	JVN	T	10000	Nazaki, Japan
10670	CEC	T	4000	Santiago, Chile. Cia. Internacional de Radio, Casilla 16-D
10740	JVM	T	20000	Nazaki, Japan
10770	GCP	T	15000	Rugby, Gt. Britain
10840	KWV	C	20000	Dixon, Calif.
10855	KGTY	FA	....	Butte, Mont. Aeronautical Radio, Inc.
	WAJE	FA	300	Birmingham, Ala. Same as KGTY
	WAQY	FA	300	Charleston, S. C. Same as KGTY
10890	CMA5	..	....	Havana, Cuba
10900	VEW	C	....	Calgary, Alta. Dominion Government
10960	....	B	....	Tananarive, Madagascar
10965	KNCV	FA	400	Miles Center, Mont. Aeronautical Radio, Inc.
10990	ZLT	T	....	Wellington, New Zealand
11000	PLP	B	1500	Bandoeng, Java, N.E.I.
	ZLT4	T	....	Wellington, New Zealand. Jost & Telegraph Dept.
11040	KHCIY	A	100	NC-18997. American Export Airlines.

11060	KRTA	E	125	Snow Cruiser, Little America. Byrd Antarctic Expedition
	KRTC	E	125	East Base, Little America. Same as KRTA
	KRTK	E	125	West Base, Little America. Same as KRTA
11180	PWH	..	....	Abrolhos, Brazil
11370	WMI	..	....	Lorain, Ohio. Lorain County Radio Corp.
11390	WYK	..	....	Montgomery, Ala.
11402	HBO	B	20000	Geneva, Switzerland
11410	XTB	C	....	Shanghai, China
11470	XTS	C	....	Swatow, China
11500	PMK	..	....	Bandoeng, Java, N.E.I.
11510	WMEC	C	....	St. John, Ind. Mackay Radio and Telegraph Co., Inc.
11540	XGR	T	....	Shanghai, China
11560	CMA5	B	1000	Havana, Cuba
11595	VRR4	T	....	Stony Hill, Jamaica
11660	JVL	T	....	Nazaki, Japan
11670	IGY	B	....	Rome, Italy
	PPQ	B	....	Rio de Janeiro, Brazil
11673	IQY	B	....	Rome, Italy
11680	KIO	C	....	Kahuku, Hawaii
11690	XTJ	B	....	Hankow, China
11700	CB1170	B	1000	Santiago de Chile
	HP5A	B	300	Panama City, Panama
11705	JLG3	B	....	Tokyo, Japan
	SBP	B	500	Stockholm, Sweden
11710	....	B	....	Saigon, French Indo-China
	XEWB	B	15	Guadalajara, aJl., Mexico
	YSM	..	....	San Salvador, El Salvador
11718	CR7BH	B	200	Lourenco Marques, Portuguese East Africa
	TPA4	B	....	Paris, France
11720	CJRX	B	2000	Winnipeg, Man., Canada
	TPB9	B	25000	Paris,F rance
11721	ZP14	B	....	Villarrica, Paraguay
11725	YVW3	B	....	Nazaki, Japan
11730	PHI	B	23600	Hilversum, Netherlands
	WSLA	B	20000	Boston, Mass.
	WSLR	B	20000	Boston, Mass.
1735	LKQ	B	5000	Oslo, Norway
11740	HP5L	B	350	David, Panama
	HVJ	B	15000	Vatican City
	....	B	....	Athlone, Ireland
11750	GSD	B	20000	London, Gt. Britain
11753	COCX	B	....	Havana, Cuba
11760	I2RO15	B	....	Rome, Italy
	TGWA	B	10000	Guatemala City, Guatemala
	XETA	B	1000	Monterrey, N. L., Mexico
11770	DJD	B	50000	Berlin, Germany
	WTCY	B	....	Hsingking, Manchukuo
11776	....	B	....	Luxembourg
11780	HH2X	B	....	Port-au-Prince, Haiti
	HP5G	B	750	Pana City, Panama
	OFE	B	....	Lahti, Finland
	....	B	....	Saigon, French Indo-China
11790	WSLA	B	20000	Boston, Mass.
11795	DJO	B	....	Berlin, Germany
11796	OAX5A	B	100	Ica, Peru
11800	COGF	B	1000	Matanzas, Cuba
	JZJ	B	50000	Tokyo, Japan
11801	DJZ	B	50000	Vienna, Germany
11810	I2RO4	B	100000	Rome, Italy
	XGOK	B	....	Canton, China
11820	GSN	B	....	London, Gt. Britain
	XEBR	B	150	Hermosillo, Son., Mexico
11830	WCBX	B	10000	New York City
11840	KZRM	B	....	Manila, Philippines
11845	TPB8	B	25000	Paris, France
11850	HAD	B	....	Budapest, Hungary
11855	DJP	B	50000	Berlin, Germany
11860	GSE	B	20000	London, Gt. Britain
	YDB	B	1000	Sourabaya, Java, N.E.I.
11870	VUM2	B	10000	Madras, India
	WLWO	B	10000	Cincinnati, Ohio
	WPIT	B	40000	Pittsburgh, Pa.
	....	B	....	Strasbourg, France
11880	VLR3	B	2000	Melbourne, Vic., Australia
	XEUZ	B	100	Mexico City, D. F., Mexico
	XEXA	B	100	Mexico City, D. F., Mexico
11885	TPB7	B	25000	Paris, France

11895	HP5I	B	....	Aguadulce, Panama
11900	CD1190	B	....	Valdivia, Chile
	I2RO13	B	100000	Rome, Italy
	LYZ3	B	....	Kaunas, Lithuania
	TPA3	B	....	Paris, France
	XEWI	B	400	Mexico City, D. F., Mexico
	XGOY	B	....	Chungking, China
	XMHA	B	....	Shanghai, China
	....	B	....	Hanoi, French Indo-China
11905	HRM2	C	400	Tela, Honduras. Tela Railroad Co.
11910	KIKL	FA	....	Los Angeles, Calif. Aeronautical Radio, Inc.
	WGLP	FA	150	Portable. Same asKIKL
	WMEP	FA	....	Suffield, Ohio. Same as KIKL
	WMEW	FA	....	Portable. Same as KIKL
	WQEP	FA	....	Portable. Same as KIKL
	WQEQ	FA	....	Portable. Same as KIKL
11920	TI2XD	B	....	San Jose, Costa Rica
11930	PPH	B	....	Rio de Janeiro, Brazil
11955	IUC	B	....	Addis Ababa, Italian East Africa
11960	HI2X	B	900	Trujillo, Dominican Republic
	KBRN	FA	3000	Brownsville, Texas. Aeronautical Radio, Inc.
	WAHY	FA	1000	Memphis, Tenn. Same as KBRN
	WOET	FA	1000	Charlotte, N. C. Same as KBRN
	WSJM	FA	400	Tampa, Fla. Same as KBRN
11965	CB1180	B	....	"Radio Nacional y Cultural," Chile
	HRA2	C	400	Puerto Castilla, Honduras. Tela R. R. Co.
11970	CPP7	C	....	Viacha, Bolivia
12000	RNE	B	20000	Moscow, U.S.S.R.
12120	TPZ	B	....	Alger, Algeria. L' Enfenieur en Chef des P.T.T., 137 rue de Constantine, Alger.
12150	GBS	T	15000	Rugby, Gt. Britain
12195	K7XFU	..	....	Juneau, Alaska. Alaska Aeronautics and Communications Commission
12230	COCF	B	....	Havana, Cuba
12235	TFJ	B	7500	Reykjavik, Iceland
12290	GBU	T	....	Rugby, Gt. Britain
12320	VOAC	FA	....	Grand Falls, Newfoundland. Nfld. Airport, Squadron Leader H. A. L. Pattison.
12330	WAQI	FA	....	Port Washington, N. Y. Pan-American Airways, Inc.
12420	KHCIY	A	100	NC-18997. American Export Airlines
12460	HCJB	B	....	Quito, Ecuador
12508	PPR	C	....	Rio de Janeiro, Brazil
12630	NAA	Time	....	Arlington, Va.
12675	....	B	....	Guayaquil, Ecuador
12680	....	..	....	Duala, French Cameroons
12682	W2XGB	GE	10000	Hicksville, N. Y. Press Wireless, Inc.
12765	VP2LO	B	500	St. Kitts, British West Indies
12830	CNR	C	12000	Rabat, Morocco. Direction de l'Office des PTT.
12840	WOO	T	20000	Ocean Gate, N. J. American Teleph. & Teleg. Co., 32 Sixth Ave., NYC.
12862	KRTA	E	125	Snow Cruiser, Little America. Byrd Antarctic Expedition.
	KRTC	E	125	East Base, Little America. Same as KRTA
	KRTK	E	125	West Base, Little America. Same as KRTA
1262½	KHRH	RB	100	NC-19904. Howard R. Hughes, NYC.
	KSFM	RB	....	New York City. NBC Inc.
	K6XAK	GE	1500	Kaena Point, Hawaii. Globe Wireless, Ltd.
	WCBN	RB	....	New York City. CBS, Inc.
	WNBM	RB	....	New York City. CBS, Inc.
	W2XAA	..	....	Portable. Bell Telephone Labs.
	W4XID	El	50	W. Palm Beach, Fla. Gray Radio Co.
	W4XIJ	FA	1000	Coral Gables, Fla. Pan-American Airways
	W6XQW	GE	1000	Palo Alto, Calif. Standard University
	W6XXT	GE	5000	Portable. Press Wireless, tLd.
	W7XBA	E	15	Portable. Northern Radio Co.
	W7XEY	El	60	Seattle, Wash. Radio Labs., Inc.
	W7XEZ	El	60	Seattle, Wash. Radio Labs., Inc.
	W8XUK	GE	10	Portable. W. Va. Univ. Dept. of Physics.
	W8XUL	GE	10	Portable. W. Va. Univ. Dept. of Physics.
	W9XDH	GE	1000	Elgin, Ill. Press Wireless, Inc.
	W9XEI	GE	400	Lake Bluff, Ill. Thorne Donnelley
	W10XJF	E	....	Yacht "Mako." Thorne Donnelley
	W10XJJ	GE	25	Portable. Harvey Radio Labs., Inc.
12870	VVS	B	1500	Mingaladon, Burma
12885	NPG	Time	....	San Francisco, Calif.
12980	WFB	C	800	New Orleans, La. Tropical Radio Teleg. Co.
12998	TYC1	C	....	Ste. Assise, France
13000	CR6AA	B	....	Lobito, Angola

13060	HRE3	C	400	Tegucigalpa, Honduras. Tropical Radio Telegraph Co.
	HRI3	C	400	La Lima, Honduras. Tela R. R. Co.
13075	VPD	B	....	Suva, Fiji
13200	CFU	C	....	Annable, B. C. Consoliadted Mining & Smelting Co.
13260	VVN	..	750	Fort Madras, India
	ZMBJ	B	....	T.S.S. "Awatea." Union Steam Ship Co. of New Zealand, Ltd.
13337	YVQ	T	....	Maracay, Venezuela
13380	IDU	T	....	Asmara, Eritrea.
13410	HHS	T	....	Port-au-Prince, Haiti
	WCT	T	400	San Juan, Puerto Rico. Radio Corp. ofP. R.
13530	TDH	T	....	Shinkio, Manchukuo
13585	GBP	T	....	Rugby, Gt. Britain
13660	HRU5	C	400	Puerto Castilla, Honduras. Tela R. R. Co.
13690	KKZ	..	....	Bolinas, Calif.
13705	WQAD	C	1000	Creston, Ind. R.C.A. Communications.
13745	CGA2	T	....	Drummondville, P. Q.
13760	TYE2	T	20000	Pontoise, France. Societe Francaise Radio-Electrique, 79 Blvd. Haussmann, Paris.
13780	KKW	..	....	Bolinas, Calif.
13810	HRM	C	400	Tela, Honduras. Tela R. R. Co.
13815	SDE	..	....	Varberg, Sweden
13820	SUZ	T	....	Cairo, Egypt
13880	VJZ	T	....	Raboul, New Guinea
13900	WQP	T	....	Rock Point, N. Y.
	YN3DG	B	....	Leon, Nicaragua
13950	LSB	C	....	Buenos Aires, Argentina
13980	TDC	T	....	Shinkio, Manchukuo. Man. Telegraph & Telephone Co., Ltd.
13990	CLX	G	250	Havana, Cuba. Observatorio Nacional, Casa Blanca
	GBA2	T	....	Rugby, Gt. Britain
13995	CLA5	G	200	Havana, Cuba. Direccion de Radio, Secretaria de Communicaciones, Oficios 40
14000 to 1440	Amateurs			
14050	EA9AH	B	500	Tetuan, Spanish Morocco
14122	YV9AB	..	....	In Venezuela on Guiana-Brazil Border Expedicion Tecnico de Mineria y Geologia, Ministerio de Fomento, Caracas
14125	YV9AB	..	....	Same as above.
14150	KC4USA	..	500	West Base, Little America. Byrd Antarctic Expedition
	KC4USA	..	500	East Base, Little America. Same as KC4USA
	KC4USC	..	500	Snow Cruiser, Little America. Same as KC4USA
14164	PI1J	B	50	Dortrecht,Netherlands
14420	HC1JB	B	....	Quito, Ecuador
14440	GBW	T	15000	Rugby, Gt. Britain.
14460	DZH	T	....	Berlin, Germany
14470	WDO	T	20000	Ocean Gate, N. J.
	WMF	T	....	Lawrenceville, N. J.
14480	YNA	T	....	Managua, Nicaragua
14485	HJA3	T	....	Bogota, Colombia
	HPF	T	....	Panama City, Panama
	HRF	T	400	Tegucigalpa, Honduras. Tropical Radio & Telegraph Co.
	YSJ	T	....	San Salvador, E. S. Telegrafos, Telefonos y Radio Nacionales
14500	LSM2	T	....	Buenos Aires, Argentina. Cia. Internacional de Radio, Defensa 143
14530	LSN1	T	....	Buenos Aires, Argentina. Cia. Internacional de Radio, Defensa 143.
14535	HBJ	B	....	Geneva, Switzerland
14545	TGF	T	....	Guatemala City, Guatemala
	TIU	T	....	Cartago, Costa Rica. Cia. Radiografica Internacional de C. R.
14590	WMN	T	80000	Lawrenceville, N. J.
14595	PVA3	C	....	Alcobaca, Brazil
14635	GBL	T	....	Rugby Gt. Britain
14640	JVH	T	20000	Nabaki, Japan
14695	KNR	C	....	Clearwater, Calif. Mackay Radio and Telegraph Co.
14736	IQH	..	....	Rome, Italy, Italo Radio
14795	IQA	B	....	Rome, Italy
14797½	W2XYR	GE	125	Wilmington, N. Y. Whiteface Mountain Meterological Observatory

14800	WQV	..	....	Rocky Point, N. Y.
14845	OCJ2	T	....	Lima, Peru
14900	LZA	B	1500	Sofia, Bulgaria
14910	JVG	T	....	Nazaki, Japan
14930	HJB	T	....	Bogota, Colombia
14935	PSE	B	....	Janeiro, Brazil
14940	HIR	T	....	Trujillo, Dominican Republic.
	HJA3	T	....	Barranquilla, Colombia
14950	CPP8	C	....	Viacha, Bolivia
	CPX3	C	....	Yacuiba, Bolivia
14960	YSL	C	....	San Salvador E. S. Telegrafos, Telefonos y Radio Nacionales
1490	KAY	C	....	Manila, Philippines
15000	WWV	G	....	Beltsville, Md.
15040	RKI	B	....	Moscow, U.S.S.R.
	WYG	FA	....	Kelly Field, Texas
15055	WNC	T	400	Hialeah, Fla.
15080	RKI	B	....	Moscow, U.S.S.R.
15100	I2RO12	B	100000	Rome, Italy
15105	JLG4	T	....	Nazaki, Japan
15110	DJL	B	50000	Berlin, Germany
15115	JLR2	T	....	Nazaki, Japan
15120	HVJ	B	15000	Vatican City
	....	B	....	Athlone, Ireland
15130	TPB6	B	25000	Paris, France
	WSLA	B	20000	Boston, Mass.
	WSLR	B	20000	Boston, Mass.
15135	JLU3	T	....	Nazaki, Japan
15140	GSF	B	15000	London, Gt. Britain
15150	YDC	T	3000	Bandoeng, Java, N.E.I.
15155	SM5SX	B	500	Stockholm, Sweden
15160	JZK	B	50000	Delhi, India
	VUD3	B	5000	Mexico City, D. F., Mexico
	XEWW	B	10000	Montevideo, Uruguay
15170	CXA14	B	....	Oslo, Norway
	LKV	B	5000	Guatemala City, Guatemala
	TGWA	B	10000	London, Gt. Britain
15190	OIE	B	....	Moscow U.S.S.R.
15180	GSO	B	....	Lahti, Finland
15200	DJB	B	8000	Ankara, Turkey
	RW96	B	100000	Berlin, Germany
15195	TAQ	B	20000	Lungtso, China
	XGOX	B	....	Pittsburgh, Pa.
15210	WPIT	B	40000	Hilversum, Netherlands
15220	PCJ2	B	60000	Nazaki, Japan
15225	JLT3	T	....	Nazaki, Japan
15235	JVW4	T	....	Lourenco Marques, Mozambique
15240	CR7BD	B	....	Paris, France
	TPB5	B	25000	Paris, France
15250	WSLA	B	20000	Boston, Mass.
15260	GSI	B	....	London, Gt. Britain
15270	WCAB	B	10000	Philadelphia, Pa.
	WCBZ	B	10000	New York City

(To be continued in the next issue)

Explanation of the Third Column Symbols:

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

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

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

Applications to the FCC

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

KDON, Monterey, CP 500(1), 1440 kcs.
KEEN, Seattle, CP 1370 kcs. to 1420 kcs.
KFBB, Great Falls, mod. of lic. for 900 kcs., 5 kw.
KFIO, Spokane, CP 950 kcs., 1 kw. unltd.
KFNF, Shenandoah, mod. of CP to move to Council Bluffs.
KFPW, Ft. Smith, CP 1370 kcs.
KFRU, Columbia, to 1370 kcs., 250 w. unltd.
KFYO, Lubbock, to 1380 kcs., 500(1).
KGDM, Stockton, 1530 kcs., 1 kw. unltd.
KMAC, San Antonio, CP 930 kcs., 1000 w. unltd.
KOVC, Valley City, CP 1340 kcs., 500(1).
KOY, Phoenix, mod. of lic. for 550 kcs.
KRBC, Abilene, CP 940 from 1420; 1 kw.
KRMC, Jamestown, CP 900 kcs., 1 kw.
KRRV, Sherman, CP 880 kcs., 1 kw. unltd.
KSD, St. Louis, CP 630 kcs.
KSEI, Pocatello, CP 600 kcs., 1 kw. unltd.
KTBS, Shreveport, CP 620 kcs., 1000(5) unltd.
KWK, St. Louis, CP 630 kcs.
KXL, Portland, CP 730 kcs., 10 kw. unltd.
KXOK, St. Louis, CP 630 kcs., 1000(5).
KXYZ, Houston, CP 710 kcs; 10 kw.
KYOS, Merced, CP 1390 from 1040; 500(1) unltd.
WAPI, Birmingham, CP 1050 kcs., kw.
WCAD, Canton, CP Watertown, N. Y.
WCOL, Columbus, to 1200 kcs., 250 w. unltd.
WGBF, Evansville, CP 1250 kcs., 1000(5) unltd.
WGRC, New Albany, CP 880 kcs., 250 w. unltd.
WHA, Madison, CP 670 kcs. 50 kw. unltd. (facilities of WMAQ).
WIBC, Indianapolis, mod. lic. 1130 from 1050; 1 kw.
WJJD, Chicago, CP 1040 from 1130; 10000(25) unltd.
WKAQ, San Juan, CP 620 kcs. 5 kw.
WLAP, Lexington, CP 1270 kcs. 1 kw. unltd.
WMBC, Detroit, CP 600 kcs.
WREN, Lawrence, CP Kansas City.
WROL, Knoxville, CP 620 kcs. 500(1).
WSBT, South Bend, CP 930 kcs. 500 w. unltd.
WSFA, Montgomery, CP 1410 kcs. 1 kw. unltd.
WSPR, Springfield, CP 1240 from 1140; 500 w unltd.
WTJS, Jackson, CP 1380 from 1310; 1 kw.; mod. licfl 250 unltd.
WWVA, Wheeling, CP 1140 from 1160; 50 kw.

Applications for New Stations

Albemarle, N. C., Albemarle Brdcstg. Station, 1370 kcs. 100 w. days.
Arlington, Va., Arlington Brdcstg. Corp., 1420 kcs 250 unltd.
Asheville, N. C., Publix-Bamford Theaters, Inc., 1430 kcs. 1 kw. unltd.
Atlantic City, N. J., Atl. City Brdcstg. Co., 1100 kcs. 5 kw. sharing with WBIL.
Atlantic City, N. J., Neptune Brdcstg. Corp., 1420 kcs. 100(.25).
Bainbridge, Ga., Post Search Light Co., 1500 kcs., 100(.25).
Bellingham, Wash., Bell Brdcstg. Co., Inc., 1200 kcs. 100(.25).
Birmingham, Ala., B. News Co., 590 kcs. 1 kw. unltd.
Boston, Mass., Mayflower Brdcstg. Corp., 1410 kcs. 500(1).
Bridgeport, Conn., Chas. Greenblatt, 1190 kcs. 250 w. ltd.
Bridgeport, Conn., Harold Thomas, 1420 kcs. 250 unltd.
Brownwood, Tex., Brown County Brdcstg. Co., 990 kcs. 1 kw. days.
Burlington, Iowa, Burlington Brdcstg. Co.
Burlington, N. C., Burlington Brdcstg. Co., 1420 kcs., 100 D.
Burlington, N. C., Central Carolina Brdcstg. Co., 1420 kcs., 250 unltd. kcs. 100 w. unltd.
Cedar Rapids, Iowa, The Gazette Co., 1420
Cheyenne, Wyo., Western Brdcstg. Co., 1210 kcs. 100(.25).
Cleveland, Ohio, Cuyahoga Valley Brdcstg. Co., 1500 kcs. 100 w. days.
Clinton, Iowa, Clinton Brdcstg. Corp.
Columbus, Miss., Birney Imes, 1370 kcs. 100(.25) unltd.
Ely, Nev. Eastern Nev. Brdcstg. Co., 1500 kcs. 100 days.
Everett, Wash., Cascade Brdcstg. Co., 1420 kcs. 100(.25) unltd.
Ft. Myers, Fla., Palm Radio Co., 1210 kcs., 250 unltd.
Greenville, Tex., Hunt Brdcstg. Assn., 940 kcs., 1 kw D.
Hannibal, Mo., Courier Post Pub. Co.
High Point, N. C., High Point Brdcstg. Co., 1120 kcs., 250 unltd.
Jacksonville, Ill., Stephenson, Edge & Korsmeyer, 1370 kcs., 250 unltd.
Kosciusko, Miss., P. K. Ewing, 1500 kcs., 100(.25). unltd.
Las Vegas, Nev., Las Vegas Brdcstg. Co., 1420 kcs. 100(.25).
Las Vegas, Nev., Nev. Brdcstg. Co., 1370 kcs. 100(.25) unltd.
Lookout Mt., Ga., Lookout Mt. Corp., of Ga., 1370 kcs., 100(.25).
Louisville, Ky., Gateway Brdcstg. Co., 880 kcs. 500 unltd.
Miles City, Mont., E. E. Krebsbach 1310 kcs., 100(.25).
Miles City, Mont., Star Printing Co., 1310 kcs., 250 unltd.
Norfolk, Va., Colonial Brdcstg. Corp., 1370 kcs. 100(.26).
North Sacramento, Calif., Grant Union High School District, 1530 kcs., 1 kw.
Pawtucket, R. I., Pawtucket Brdcstg. Co., 1390 kcs. 1 kw. unltd.
Pontiac, Mich., King-Trendle Brdcstg. Corp., 1440 kcs. 250 unltd.
Riverside, Calif., Brdcstg. Corp. of America, 1390 kcs. 1 kw.
Riverside, Calif., Richard T. Sampson, 1390 kcs. 250 days.
Rochester, N. Y., Edward J. Doyle, 1270 kcs. 500 days.
Salina, N. Y., Sentinel Brdcstg. Corp., 620 kcs. 1 kw. unltd.
Sandusky, Mich., Thumb Brdcstg. Co., 880 kcs. 1 kw. days.
San Diego, Calif., Jack Hazard, 1450 kcs., 500 w. unltd.
San Juan, P. R., Enrique Abarca Sanfeliz, 580 kcs. 1 kw. unltd.

San Juan, P. R., United Theaters, Inc., 580 kcs. 1 kw. unltd.
Santa Monica, Calif., A. E. Austin, 1160 kcs. 100(.25).
Shelby, N. C., Jos. A. Lattimore, 1370 kcs. 100(.25) unltd.
Springfield, Ohio, Radio Voice of Springfield, 1310 kcs. 100 unltd.
Springfield, Ohio, S. Radio Corp., 1310 kcs. 100 unltd.
Springfield, Ohio, S. Radio Service, 780 kcs. 250 days.
Steubenville, Ohio, Valley Brdcstg. Co., 930 kcs., 1 kw D.
Tacoma, Wash., Tacoma Brdcstg. Co., 1420 kcs. 100(.25).
Tacoma, Wash., Michael J. Mingo, 1400 kcs. 250 unltd.
Traverse City, Mich., Northern Brdcstg. Co., 570 kcs. 500 days.
Valdosta, Ga., John F. Arrington, Jr., 1230 kcs. 250 unltd.
Watertown, N. Y., Black River Valley Brdcstg. Co.
Watertown, N. Y., Watertown Brdcstg. Corp.
Watertown, S. Dak., Midland Brdcstg. Co., 1210 kcs., 100(.25). kcs. 250 days.
Wisconsin Rapids, Wis., Wm. F. Huffman, 1310 kcs., 100(.25).
Worcester, Mass., Winfield A. Schuster, 1200 kcs. 100 unltd.
Worcester, Mass., C. T. Sherer Co., Inc., 1200 kcs. 100(.25).

Stations Using Special Frequencies

Call	City	Assigned	Using
KTHS	Hot Springs	1040	1060
KWKH	Shreveport	850	1100
WTIC	Hartford	1060	1040

The Month's Changes in Station Data

New

1200	.....	Logan, W. Va.
1200	.....	Orlando, Fla.
1200	.....	Phoenix, Ariz.
1200	.....	Roanoke Rapids, N. C.
1300	.....	Minneapolis, Minn.
1310	.....	Washington, D. C.
1370	.....	Kingsport, Tenn.
1370	.....	Opelika, Ala.
1370	.....	Scranton, Pa.
1420	.....	Marysville, Calif.
1420	.....	Valdosta, Ga.
1500	.....	Erie, Pa.

Reinstated

1530	.....	Akron, Ohio

Frequency

1200	WBOW	Terre Haute Ind., from 1310
1220	KPAC	Port Arthur, Tex., from 1260
1370	KFVS	Cape Girardeau Mo., from 1210

Power

590	WEEI	Boston, 5000 from 1000(5)
630	WPRO	Providence, 1000(5) from (500(1)
710	KMPC	Beverly Hills, 1000(5) from 500
940	WICA	Ashtabula, 500 from 250
1120	WJBO	Baton Rouge, 1000 from 500
1200	KVCV	Redding, 250 from 100
1200	KVNU	Logan, 250 from 100
1200	WBOW	Terre Haute, 250 from 100(.25)
1200	WJRD	Tuscaloosa, 100(.25) from 250 D.
1200	WTOL	Toledo, 250 from 100
1210	KANS	Wichita, 250 from 100
1210	KHBG	Okmulgee, 250 from 100
1260	KHSL	Chico, 500(1) from 250
1310	KWOC	Poplar Bluff, 250 from 100
1310	WGTM	Wilson, 250 from 100
1370	KVFD	Fort Dodge, 250 from 100(.25)
1370	KVGB	Great Bend, 250 from 100
1420	WMFJ	Daytona Beach, 250 from 100
1500	KROD	El Paso, 250 from 100
1500	KUTA	Salt Lake City, 250 from 100

Call Letters

1370	WORD	Spartanburg S. C., from WHTR

Location

1200	WHBY	Appleton Wis., from Green Bay

Network

550	WGR	Buffalo, new MBS
710	KMPC	Beverly Hills, new CBS
1200	WCAX	Burlington, new CBS
1210	WSAY	Rochester, new MBS
1210	WTMA	Charleston, new NBC
1310	WSAV	Savannah, new NBC
1370	WATL	Atlanta, new MBS

Delete

1120	KTBC	Austin, Teas
1310	KAND	Corsicana, Texas
1310	KRBA	Lufkin, Texas
1420	KNET	Palestine, Texas
1500	KGKB	Tyler, Texas
1500	KSAM	Huntsville, Texas

Permit to Change Power

550	WSVA	Harrisonburg to 1000
560	KLZ	Denver to 5000
590	WKZO	Kalamazoo to250(1)
610	KFRC	San Francisco, to 5000
610	WIP	Philadelphia, to 5000
630	WMAL	Washington, to 5000
740	WHEB	Portsmouth, to 1000
760	KXA	Seattle, to 1000
770	KFAB	Lincoln, to 50,000
850	WKAR	E. Lansing, to 5000
880	WRNL	Richmond to 1000
880	WSUI	Iowa City, to 1000(5)
890	KFNF	Shenandoah, to 1000(5)
900	KGBU	Ketchikan, to 1000
940	KOIN	Portland, to 5000
950	KMBC	Kansas City, to 5000
950	WRC	Washington, to 5000
990	XEK	Mexico City, to 500
1120	KRSC	Seattle, to 1000
1200	KADA	Ada ,to 250
1200	WJBW	New Orleans, to 250
1200	WSKB	McComb, to 250
1210	KFPW	Fort Smith, to 250
1210	WCOL	Columbus, to 250
1210	WHIZ	Zanesvile, to 250
1210	WJEJ	Hagerstown to 250
1220	WCAE	Pittsburgh, to 5000
1220	WDAE	Tampa, to 5000
1300	WFBC	Greenvile, to 5000
1310	KRRV	Sherman, to 1000
1310	KTSM	El Paso, to 500
1310	WNBH	New Bedford to 250
1320	KGMB	Honolulu, to 5000
1320	WADC	Akron to 5000
1320	WSMB	New Orleans, to 5000
1330	KGB	San Diego, to 5000
1330	KSCJ	Sioux City ,to 5000
1330	WDRC	Hartford to 5000
1330	WSAI	Cincinnati, to 5000
1330	WTAQ	Green Bay, to 5000
1340	WSPD	Toledo, to 5000
1350	KWK	St. Louis, to 5000
1350	WMBG	Richmond, to 1000(5)
1370	KERN	Bakersfield, to 1000
1370	KFRO	Longview, to 1000
1370	WMSL	Decatur, to 250
1370	WPRA	Mayaguez, to 1000(2.5)

NORTH AMERICAN BROADCASTING STATIONS BY FREQUENCIES WITH VERTIFICATION SIGNERS

KEY TO SYMBOLS

As Shown in the Index by Frequencies

Frequencies are given in kilocycles per second, and wavelengths in meters. Night power is shown in watts in third column and daytime power is shown in parentheses in kilowatts. Thus: (.25) indicates 250 watts. Exact frequencies, when not multiples of ten are shown in the second column.

Second Column Symbols

A—Status in doubt.
B—National "Blue" Network.
C—Columbia Network.
D—Daytime only.
E—Minor Network.
F—Canadian Network.
G—Specified Hours.
H—Assigned another frequency—using this one under Special Authorization.
J—Assigned lower power but using this power under Special Authorization.
K—Licensed for facsimile.
L—Limited time.
M—Mutual Network.
N—National "Red" and "Blue" Networks.
P—Has Construction Permit only.
Q—Station not in use.
R—National "Red" Network.
S—Synchronized.
X—Has Permit to change power.
Y—Has Permit to change location.
Z—Has Permit to change frequency.
a-b-c—Small letters show stations using same transmitter.
1-2-3—Figures denote stations sharing time.
?—Reported but not officially confirmed.
....—No information.
a—verifies for return postage.
b—Verifies only occasionally.
d—Verifies for government postal card.
e—Verifies free.
f—Verifies for 10 cents.
g—Card for postage; veri stamp for 10c.
z—No information available.

540 kcs. (552.2 m.)

CBK	F	50000	a	Watrous, Sask.	....

550 kcs. (545.1 m.)

CFNB	F	1000	a	Fredericton, N. B.	....
CMW	...	2500	a	Havana, Cuba	....
KFUO	2	500(1)	a	St. Louis, Mo.	Herman Hohenstein Mgr.
KFYR	N	1000(5)	a	Bismarck, N. Dak.	W. R. Griffin, DX Ann'cr.
KOAC	...	1000	a	Corvallis, Ore.	Luke L. Roberts, Mgr.
KSD	2R	1000(5)	a	St. Louis, Mo.	Geo. Burbach, Mgr.
KTSA	C	1000(5)	a	San Antonio, Texas	G. W. Johnson, Mgr.
WDEV	D	1000	a	Waterbury, Vt.	Melvin Stickles, Ch. Eng.
WGR	CM	1000(5)	a	Buffalo, N. Y.	I. R. Lounsberry, Gen. Mgr.
WKRC		1000(5)	a	Cincinnati, Ohio	Vera Tyson
WSVA	DX	500	a	Harrisonburg, Va.	Wendell Siler Prog. Dir.

560 kcs. (535.4 m.)

KFDM	N	1000	a	Beaumont, Texas	Bernice Anderson, Sec'y.
KLZ	CX	1000(5)	a	Denver, Colo.	G. W. Meyer, Mgr.
KSFO	C	1000(5)	a	San Francisco, Calif.	Philip G. Lasky, Mgr.
KWTO	D	5000	a	Springfield, Mo.	Rlaph D. Foster, Mgr.
WFIL	BM	1000	a	Philadelphia, Pa.	Roger W. Clipp, Gen. Mgr.
WIND	C	1000(5)	a	Gary, Ind.	Kenneth Shirk, Ch. Eng.
WIS	N	1000(5)	a	Columbia, S. C.	Floyd Rodgers, Prog. Dir.
WQAM	C	1000	a	Miami, Fla.	Norman MacKay, Prog. Dir.

570 kcs. (526 m.)

KGKO	N	1000(5)	a	Fort Worth, Tex.	Harold V. Hough, Mgr.
KMTR	...	1000	a	Los Angeles, Calif.	Kenneth Tinkham, Mgr.
KVI	C	1000(5)	a	Tacoma, Wash.	J. W. Wallace, Ch. Eng.
TI5CV	575	100	z	Alajeula, Costa Rica	Carlos Vidache A.
WKBN	C1	500(1)	a	Youngstown, Ohio	C. L. Lindberg
WMAM	D	250	z	Marinette, Wis.	....
WMCA	...	1000	a	New York, N. Y.	F. Hapton
WNAX	C	1000(5)	a	Yankton, S. Dak.	Clifton Todd, Ch. Eng
WOSU	G1	1000	a	Columbus, Ohio	A. Hammerschmidt, Ch. Eng.
WSYR	Ba	1000	a	Syracuse, N. Y.	Armand G. Belle Isle Chi. Eng.
WSYU	Qa	1000	a	Syracuse, N. Y.	Armand G. Belle Isle Chi. Eng.
WWNC	C	1000	a	Asheville, N. C.	G. B. Hoskins Ch. Eng.
....	P	1000	z	Santa Clara, Cuba	....

580 kcs. (516.9 m.)

CFPR	...	50	a	Prince Rupert, B. C.	Felix E. Batt
CHRC	...	100	a	Quebec, P. Q.	....
CKCL	F	100	a	Toronto, Ont.	....
CKPR	F	1000	a	Fort William, Ont.	....

CKUA	F	500	b	Edmonton, Alta.	....
KMJ	EKN	1000	a	Fresno, Calif.	I. E. Dickinson, Ch. Eng.
KSAC	2	500(1)	a	Manhattan, Kans.	L. L. Longsdorf Prog Dir.
WCHS	C	500(5)	a	Charleston, W. Va.	Odes Robinson, Ch. Eng.
WDBO	C	1000(5)	a	Orlando, Fla.	James E. Yarbrough Ch. Eng.
WIBW	C2	1000(5)	a	Topeka, Kans.	Ren Ludy, Gen. Mgr.
WILL	D	5000	a	Urbana, Ill.	A. James Ebel, Ch. Eng.
WTAG	R	1000	a	Worcester, Mass.	Lillian Murphy, Prog Dir.
XEMU	...	250	z	Piedras Negras, Coah.	....

590 kcs. (508.2 m.)

CMCY	...	15000	a	Havana, Cuba	A. Valdes, Gen. Mgr.
KHQ	ER	5000	a	Spokane, Wash.	Harvey Wixson, Mgr.
WEEI	C	5000	a	Boston, Mass.	Margaret Grady
WKZO	BDX	1000	a	Kalamazoo, Mich.	John Fetzer, Gen. Mgr.
WOW	R	5000	a	Omaha, Nebr.	Wm. Kotera, Ch. Eng.

600 kcs. (499.7 m.)

CFCF	BF	500	a	Montreal, P. Q.	Kenneth Paul, Ch. Eng.
CFQC	F	1000	a	Saskatoon, Sask.	A. A. Murphy, Gen. Mgr.
CJOR	...	500	a	Vancouver, B. C.	D. E. Laws, Mgr.
FQN	609	250	a	St. Pierre, Miquelon	G. Salomon
KFSD	B	1000	a	San Diego, Calif.	Leah McMahon, Prog. Dir.
TIGPH	605	1000	a	San Jose, Costa Rica	Gonzalo Pinto H.
WCAO	C	500(1)	a	Baltimore, Md.	M. W. Lewis
WICC	BM	500(1)	f	Bridgeport, Conn.	aGro Ray, Ch. Eng.
WMT	BM	1000(5)	a	Cedar Rapids, Iowa	C. F. Quentin, Ch. Eng.
WREC	C	1000(5)	a	Memphis, Tenn.	S. D. Wooten Jr., Ch. Eng.

610 kcs. (491.5 m.)

CHNC	F	1000	a	New Carlisle, P. Q.	Dr. Charles Houde, owner
KFAR	...	1000	z	Fairbanks, Alaska	A. E. Lathrop, owner
KFRC	MX	1000(5)	b	San Francisco, Calif.	Ward Ingrim, Mgr.
WCLE	DM	500	a	Cleveland, Ohio	E. L. Gove, Tech. Sup.
WDAF	R	5000	a	Kansas City, Mo.	J. A. Flaherty, Ch. Eng.
WIOD	Na	1000	a	Miami, Fla.	Ruth Richardson
WIP	X	1000	a	Philadelphia, Pa.	James Allen Prog. Dir.
WMBF	Qa	1000	a	Miami, Fla.	RADEX GAL 1

620 kcs. (483.6 m.)

KGW	R	1000(5)	a	Portland, Ore.	H. C. Singleton, Ch. Eng.
KTAR	N	1000	a	Phoenix, Ariz.	Richard Lewis, Mgr.
KWFT	C	250(1)	z	Wichita Falls, Tex.	D. A. Kahn, Mgr.
TIPG	625	5000	b	San Jose Costa Rica	Claudia Hartinos
WFLA	Na	1000(5)	a	Tampa, Fla.	W. Walter Tison, Mgr.
WHJB	D	250	a	Greensburg, Pa.	Walter McCoy, Ch. Eng.
WLBZ	MN	500(1)	a	Bangor, Maine	Lucille Weeks
WSUN	Na	1000(5)	a	St. Petersburg, Fla.	Louis Link, Ch. Eng.
WTMJ	N	1000(5)	a	Milwaukee, Wis.	Don Abert, Mgr.

630 kcs. (475.9 m.)

CFCO	F	100	a	Chatham, Ont.	John Beardall
CFCY	F	1000	a	Charlottetown, P. E. I.	John Q. Adams, Ch. Eng.
CJRC	F	1000	a	Winnipeg, Man.	G. A. Titus, Mgr.
CKOV	F	1000	a	Kelona, B. C.	James Browne, Ch. Eng.
CMCD	...	15000	a	Havana, Cuba	J. Benitez, Mgr.
KFRU	1	500(1)	a	Columbia, Mo.	Robert Haigh, Ch. Eng.
KGFX	D	200	a	Pierre, S. Dak.	Robt. Dye, Ch. Eng.
KVOD	B	1000	a	Denver, Colo.	T. C. Ekrem, Mgr.
WGBF	N1	500(1)	a	Evansville, Ind.	Pat Roper, Prog Dir.
WMAL	BX	250(.5)	a	Washington, D. C.	A. E. Johnson, Ch. Eng.
WPRO	C	1000(5)	a	Providence, R. I.	Margaret O'Rourke
XEZ	...	2000	a	Merida, Yuc.	Jorge Palomeque

640 kcs. (468.5 m.)

HOK	...	...	z	Colon, Panama	....
KFI	R	50000	f	Los Angeles, Calif.	Dorothy Roe
VONF	...	12500	a	St. John's, Nfld.	....
WGAN	CL	500	a	Portland, Maine	C. E. Gatchell
WHKC	LM	500	a	Columbus, Ohio	J. E. Anderson, Ch. Eng.
WOI	D	5000	a	Ames, Iowa	W. E. Stewart, Ch. Eng.
XEBX	...	250	z	Sabinas, Cosh.	Benito Garzo O.
YSS	...	500	a	San Salvador, E. S.	....

650 kcs. (461.3 m.)

TIGPH	P	...	z	San Jose, C. R.	Gonzalo Pinto H.
WSM	KN	50000	a	Nashville, Tenn.	Harry Stone, Gen. Mgr.

660 kcs. (454.3 m.)

CMJX	...	200	z	Camaguey, Cuba	Rodolfo Gonzales S.
CMOA	...	200	z	Havana, Cuba	Juan Fernandez D.
KOWH	BD	500	a	Omaha, Nebr.	W. F. Myers, Mgr.
WEAF	R	50000	a	New York, N. Y.	Audience Mail Dept.
XEAO	...	250	a	Mexicali, B. Cfa.	....

670 kcs. (447.5 m.)

WMAQ	R	50000	b	Chicago, Ill.	Audience Mail Dept.
XELO	...	50000	a	Tijuana, B. Cfa.	....
....	P	1000	z	Jovellanos, Cuba	....

680 kcs. (440.9 m.)

CMHW	...	200	f	Santa Clara, Cuba	Guillermo Domenech G.
KFEQ	...	500(2.5)	a	St. Joseph, Mo.	J. Wesley Koch, Ch. Eng.
KPQ	R	50000	a	San Francisco, Calif.	Audience Mail Supervisor
VAS	685	2000	f	Glace Bay, N. S.	....
WLAW	D	1000	a	Lawrence, Mass.	Geo. R. Leckley, Ch. Eng.
WPTF	JN	5000	a	Raleigh, N. C.	Graham Poyner, Prog. Dir.

690 kcs. (434.5 m.)

CFRB	C	10000	a	Toronto, Ont.	H. Sedgwick, Man. Dir.
CJCJ	F	100	a	Calgary, Alta.	R. H. Henderson, Ch. Eng.
CMBC	...	5000	z	Havana, Cuba	O. Fernandez
TIGH	...	1000	b	San Jose, Costa Rica	Gonzalo Garcia
XET	...	5000	a	Monterrey, N. L.	....

700 kcs. (428.3 m.)

VOWR	...	500	b	St. John's, Nfld.	....
WLW	KN	50000	a	Cincinnati, Ohio	Wilfred Guenther, Mgr.
W8XO	Exp	500000	a	Cincinnati, Ohio	Wilfred Guenther, Mgr.

710 kcs. (422.3 m.)

CMGH	...	200	a	Matanzas, Cuba	....
CMKS	...	200	a	Guantanamo, Cuba	....
KIRO	C	1000	a	Seattle, Wash.	H. J. Quilliam, Mgr.
KMPC	C	1000(5)	a	Beverly Hills, Calif.	L. A. Schamblin, Mgr.
WOR	KM	50000	a	Newark, N. J.	J. R. Poppele, Ch. Eng.
....	P	1000	z	Camaguey, Cuba	....

720 kcs. (416.4 m.)

CMK	...	200	a	Havana, Cuba	Fausto Mentiel
TI4NRH	725	750	f	Heredia, Costa Rica	Amando Cespedes Marin
WGN	KM	50000	b	Chicago, Ill.	Quinn A. Ryan, Gen. Mgr.
XEWE	...	20	z	Silao, Gto.	....

730 kcs. (410.7 m.)

CFPL	F	100	a	London, Ont.	L. J. Yorke, Ch. Eng.
CJCA	F	1000	a	Edmonton, Alta.	W. T. Cranston, Mgr.
CKAC	C	5000	a	Montreal, P. Q.	Leonard Spencer, Ch. Eng.
XEPN	AQ	100000	a	Piedras Negras, Coah.	....
XEQ	...	50000	a	Mexico City, D. F.	J. M. Marroqui II
....	P	1000	z	Victoria Tunas, Cuba	....

740 kcs. (405.2 m.)

KMMJ	L	1000	a	Grand Island, Nebr.	Randall Ryan, Mgr.
KTRB	D	250	a	Modesto, Calif.	Don R. Stevens
WHEB	D	250	a	Portsmouth, N. H.	T. R. McTammany, Mgr.
WSB	R	50000	a	Atlanta, Ga.	C. F. Daugherty, Ch. Eng.
XEH	...	250	a	Monterrey, N. L.	Constantino de Ternava
....	P	1000	z	Guantanamo, Cuba	....

750 kcs. (399.8 m.)

CMBL	...	5000	a	Havana, Cuba	Laureano Suarez
KGU	LN	2500	a	Honolulu, Hawaii	Marion A. Mulrony, Mgr.
TINGS	...	375	z	San Jose, Costa Rica	Narcisco Garcia
WJR	C	50000	a	Detroit, Mich.	Geraldine Elliott, Prog. Dir.
XEAA	...	200	a	Mexicali, B. Cfa.	Alberto Gonzalez
XEAM	...	25	z	Matamoros, Tam.	Manuel L. Salinas

760 kcs. (394.5 m.)

KXA	X	250(.5)	a	Seattle, Wash.	Florecen Wallace, Mgr.
WBAL	BHMS	2500	a	Baltimore, Md.	Gerald Cooke, Ch. Eng.
WCAL	D2	5000	a	Northfield, Minn.	Milford Jensen, Ch. Eng.
WEW	D	1000	a	St. Louis, Mo.	Geo. Rueppel, Ch. Eng.
WJZ	BS	50000	a	New York, N. Y.	Audience Mail Dept.
WLB	D2	5000	a	Minneapolis, Minn.	Waldemar Klima, Ch. Eng.

770 kcs. (389.4 m.)

KFAB	CSXZ	10000	a	Lincoln, Nebr.	Mark W. Bullock, Tech. Dir.
TILI	775	450	z	San Jose, C. Rica	Lola Monje Peralta
WBBM	CS	50000	a	Chicago, Ill.	A. Boyes

780 kcs. (384.4 m.)

CHWK	F	100	f	Chilliwack, B. C.	Jack Pilling, Ch. Eng.
CKSO	F	1000	a	Sudbury, Ont.	W. E. Mason
CMQ	N	25000	a	Havana, Cuba	Miguel Gabriel, Adm.
KECA	...	1000(5)	a	Los Angeles, Calif.	Jack Gross, Mgr.
KFDY	D	1000	a	Brookings, S. Dak.	S. W. Jones, Mgr.
KFQD	...	250	b	Anchorage, Alaska	R. E. McDonald, Mgr.
KGHL	N	1000(5)	a	Billings, Mont.	Ed Yocum, Mgr.
KWLK	D	250	a	Longview, Wash.	M. F. Woodling, Mgr.
WEAN	BM	1000(5)	a	Providence, R. I.	Rose M. Powers
WMC	JR	5000	a	Memphis, Tenn.	J. C. Eggleston, Mgr.
WPIC	D	250	a	Sharon, Pa.	John MacDonald, Eng.
WTAR	N	1000(5)	a	Norfolk, Va.	Lee Chadwick, DX Correspondent
XEN	...	1000	a	Mexico City, D. F.	Guillermine de del Conde

790 kcs. (379.5 m.)

KGO	B	7500	a	San Francisco, Calif.	Lloyd E. Yoder, Mgr.
KOAM	DN	1000	a	Pittsburg, Kans.	R. L. Jones, Eng.
WGY	R	50000	a	Schenectady, N. Y.	W. J. Purcell, Ch. Eng.
ZNS	...	1000	d	Nassau, Bahamas	K. P. Brown, Sec'y.

800 kcs. (374.8 m.)

HIX	...	800	a	Trujillo, D. R.	J. R. Saladin
TIXD	...	1000	z	San Jose, Costa R.	Andrea Venegas
WBAP	ENa	50000	a	Fort Worth, Texas	Ellen Flake, Sec'y.
WFAA	ENa	50000	a	Dallas, Texas	Irvin Gross, Mgr.
WTBO	D	250	a	Cumberland, Md.	Geo. R. Lenhert, Ch. Eng.

810 kcs. (370.2 m.)

CMCF	...	5000	a	Havana, Cuba	Oscar Gutierrez
WCCO	C	50000	g	Minneapolis, Minn.	Hugh McCartney, Ch. Eng.
WNYC	D	1000	a	New York, N. Y.	Issac Brimberg, Ch. Eng.
XEBZ	...	100	a	Mexico City, D. F.	....
XEDF	...	100	a	Nuevo Laredo, Tam.	Ruperto Villarreal

820 kcs. (365.6 m.)

WHAS	C	50000	a	Louisville, Ky.	Credo Fitch Harris, Dir.
XEBG	...	1000	z	Tijuana, B. Cfa.	Angel B. Fernandez

830 kcs. (361.2 m.)

CMHI	E	1000	a	Santa Clara, Cuba	....
KOA	R	50000	a	Denver, Colo.	T. E. Stepp
TIEP	...	3000	a	San Jose, C. Rica	Eduardo Pinto H.
WEEU	DR	1000	a	Reading, Pa.	M. Leonard Savage, Eng.
WHDH	L	1000	a	Boston, Mass.	M. Bresnahan
WRUF	L	5000	a	Gainesville, Fla.	Joseph Weil, Ch. Eng.
XERC	...	500	z	Mexico City, D. F.	Carlos Dragome Narro

840 kcs. (356.9 m.)

CBL	F	50000	a	Toronto, Ont.	W. C. Little, Ch. Eng.
VOGY	...	400	a	St. John's, Nfld.	....
XERA	...	250000	a	Villa Acuna, Coah.	Don Howard

850 kcs. (352.7 m.)

CMCM	...	200	a	Havana, Cuba	V. Montes
KIEV	D	250	a	Glendale, Calif.	David H. Cannon
WESG	CD	1000	a	Elmira, N. Y.	True McLean, Ch. Eng.
WKAR	DX	1000	a	E. Lansing, Mich.	Norris Grover, Ch. Eng.
WWL	C	50000	a	New Orleans, La.	J. D. Bloom, Ch. Eng.

860 kcs. (348.6 m.)

CMJA	...	200	a	Camayuey, Cuba	Rafael Valdes
TIEMC	...	250	z	San Jose, C. Rica	Rafael Hine Ch.
WABC	Ca	50000	a	New York, N. Y.	....
WBOQ	QA	50000	a	New York, N. Y.	....
WHB	DM	1000	a	Kansas City, Mo.	M. H. Straight, Mgr.
XEMO	...	5000	a	Tijuana, B. Cfa.	Fernando Federico Ferreira

870 kcs. (344.6 m.)

WENR	Ba	50000	b	Chicago, Ill.	....
WLS	Ba	50000	a	Chicago, Ill.	T. L. Rowe, Ch. Eng.
XEFB	...	200	a	Monterrey, N. L.	Jesus Quintanilla
....	P	1000	z	Ciego de Avila, Cuba	....

880 kcs. (340.7 m.)

CBO	F	1000	a	Ottawa, Ont.	Lillian E. de Olloqui
CFJC	F	1000	a	Kamloops, B. C.	L. Irwine, Ch. Eng.
CMX	...	15000	a	Havana, Cuba	Raoul Karman, Dir.
KFKA	M2	500(1)	a	Greeley, Colo.	H. E. Green, Mgr.
KLX	...	1000	a	Oakland, Calif.	P. D. Allen, Mgr.
KPOF	2	1000	a	Denver, Colo.	Wesley O. Lomlin, Annc'r.
KVAN	D	250	z	Vancouver, Wash.	Paul W. Spargo, Ch. Eng.
TILS	...	500	b	San Jose, C. Rica	Luis Saenz Mata
WCOC	C	1000	a	Meridan, Miss.	John B. Rogers, Ch. Eng.
WGBI	CI	500(1)	f	Scranton, Pa.	K. R. Cooke, Ch. Eng.
WQAN	1	500(1)	a	Scranton, Pa.	....
WRNL	DX	500	a	Richmond, Va.	Walter R. Selden, Ch. Eng.
WSUI	X	500(1)	a	Iowa City, Iowa	Sylvanus Ebert, Ch. Eng.

890 kcs. (336.9 m.)

KARK	N	1000	a	Little Rock, Ark.	Jack Lewis, Prog. Dir.
KFNF	X2	500(1)	a	Shenandoah, Iowa	Wm. MacDonald, Com. Mgr.
KFPY	C	5000	a	Spokane, Wash.	T. W. Symons, Mgr.
KTKC	M	1000	f	Visalia, Calif.	Chas. P. Scott, Mgr.
KUSD	2	500	a	Vermillion, S. Dak.	B. B. Brockett, Mgr.
WBAA	...	500(1)	a	W. Lafayette, Ind.	Ralph R. Townsley, Ch. Eng.
WGST	C	1000(5)	a	Atlanta, Ga.	Ben Akerman, Ch, Eng.
WJAR	R	1000(5)	a	Providence, R. I.	Thomas Prior, Ch. Eng.
WMMN	C	1000(5)	a	Fairmont, W. Va.	J. R. Heck, Ch. Eng.
XEW	...	100000	a	Mexico City, D. F.	....

900 kcs. (333.1 m.)

HIG	...	250	z	Trujillo, D. R.	Andres Cordero Puello
KGBU	X	500	a	Ketchikan, Alaska	James A. Britton, Mgr.
KHJ	M	1000(5)	a	Los Angeles, Calif.	Lewis Allen Weiss, Mgr.
KSEI	N	250(1)	a	Pocatello, Idaho	R. A. Fletcher, Prog. Dir.
TIAFB	...	600	z	San Jose, C. Rica	Mayid Borzuna
WBEN	R	1000(5)	a	Buffalo, N. Y.	Ralph Kingsley, Ch. Eng.
WFMD	D	500	a	Frederick, Md.	John A. Fels, Ch. Eng.
WJAX	N	1000(5)	a	Jacksonville, Fla.	Harry Cole, Mgr.
WKY	N	1000(5)	a	Oklahoma City, Okla.	Earl C. Hull, Ch. Eng.
WLBL	D	5000	a	Stevens Point, Wis.	F. R. Calvert, Mgr.
WTAD	D	1000	a	Quincy, Ill.	Paul E. Miller, Ch. Eng.

910 kcs. (329.6 m.)

CBF	FN	50000	a	Montreal, P. Q.	....
CJAT	F	1000	a	Trail, B. C.	....
CKY	F	15000	a	Winnipeg, Man.	....
CMBO	...	5000	a	Havana, Cuba	....

CMKD	...	1000	a	Santiago de Cuba	Francisco Meneau
XENT	Q	50000	a	Nuevo Laredo, Tam.	T. Yount, Mgr.

920 kcs. (325.9 m.)

CMHT	...	200	z	Trinidad, Cuba	F. E. Soto del Valle
CMZ	...	5000	z	Havana, Cuba	....
KFEL	M	1000	a	Denver, Colo.	Gene O'Fallon, Mgr.
KOMO	R	1000(5)	a	Seattle, Wash.	Lee Barnes, Aud. Mail Dept.
KPRC	ER	1000(5)	a	Houston, Texas	Kery Tips, Mgr.
TIRS	925	200	z	San Jose, C. Rica	Rogelio Sotela B.
WAAF	D	1000	a	Chicago, Ill.	Wm. E. Hutchinson, Mgr.
WORL	D	500	a	Boston, Mass.	....
WPEN	...	1000	a	Philadelphia, Pa.	....
WSPA	D	1000	a	Spartanburg, S. C.	E. S. Long, Ch. Eng.
WWJ	R	1000(5)	a	Detroit, Mich.	Ty Tyson

930 kcs. (322.4 m.)

CFAC	F	1000	a	Calgary, Alta.	....
CFCH	F	100	a	North Bay, Ont.	R. H. Thomson
CFLC	...	100	a	Prescott, Ont.	....
CHNS	F	1000	a	Halifax. N. S.	....
CKPC	...	100	a	Brantford, Ont.	....
CMJF	...	200	z	Camaguey, Cuba	Vincente Salgado
KMA	B	1000(5)	a	Shenandoah, Iowa	J. Rapp, Mgr.
KROW	...	1000	a	Oakland, Calif.	H. P. Drey, Mgr.
WBRC	R	1000(5)	a	Birmingham, Ala.	....
WDBJ	C	1000(5)	a	Roanoke, Va.	....
WELI	...	250(.5)	a	New Haven, Conn.	James T. Milne, Mgr.
XEBH	...	500	a	Hermosillo, Son.	Carlos Balderrama

940 kcs. (319 m.)

CMBZ	...	200	a	Havana, Cuba	Manuel Salas
KOIN	CX	1000(5)	a	Portland, Ore.	B. J. Parrish, Mgr.
TIOS	...	500	z	San Jose, C. Rica	Guillermo Castro S.
WAAT	D	500	a	Jersey City, N. J.	Paul H. LaStayo, Mgr.
WAVE	N	1000	a	Louisville, Ky.	....
WCSH	R	1000(2.5)	a	Portland, Maine	G. Fred Crandon, Ch. Eng.
WDAY	N	1000(5)	a	Fargo, N. Dak.	Julius Hetland, Ch. Eng.
WHA	D	5000	a	Madison, Wis.	....
WICA	DX	250	a	Ashtabula, Ohio	C. A. Rowley
XEFO	...	5000	a	Mexico City, D. F.	....

950 kcs. (315.6 m.)

CBV	F	1000	a	Quebec, P. Q.	....
CJRM	F	1000	a	Regina, Sask.	....
CMKL	...	200	z	Bayamo, Cuba	Alberto Alvarez Ferrera
KFWB	E	5000	a	Los Angeles, Calif.	Harry Maizlish, Mgr.
KMBC	CX	1000(5)	a	Kansas City, Mo.	Arthur B. Church, Mgr.
VOAR	...	25	z	St. John's, Nfld.	....
WHAL	DP	500	z	Saginaw, Mich.	....
WRC	RX	1000(5)	a	Washington, D. C.	Audience Mail Dept.
WTRY	DP	1000	z	Troy, N. Y.	....

960 kcs. (312.3 m.)

CBM	FR	5000	a	Montreal, P. Q.	....
CFRN	F	100	a	Edmonton, Alta.	....
CMKY	...	5000	z	Santiago de Cuba	....
XEAW	...	100000	a	Reynosa, Tam.	H. D. Munal

970 kcs. (309.1 m.)

CMCK	...	5000	z	Havana, Cuba	Luis Casas R.
KJR	B	5000	a	Seattle, Wash.	Audience Mail Dept.
WCFL	N	5000	a	Chicago, Ill.	Maynard Marquardt, Ch. Eng.
WIBG	D	100	a	Glenside, Pa.	....

980 kcs. (306 m.)

KDKA	B	50000	b	Pittsburgh, Pa.	A. E. Nelson Mgr.
XEAC	...	5000	a	Tijuana, B. Cfa.	Jorge I. Revera
XEFE	...	250	z	Nuevo Laredo, Tam.	Rafael T. Carranza

990 kcs. (302.8 m.)

WBZ	BS	50000	a	Boston, Mass.	Dwight Myer, Ch. Eng.
WBZA	BS	1000	a	Springfield, Mass.	H. E. Randol, Mgr.

XEAF	...	750	a	Nogales, Son.	....
XEK	X	100	a	Mexico City, D. F.	Fernando Sada
XES	...	250	a	Tampico, Tam.	Arturo Martinez
....	P	1000	z	Pinar del Rio, Cuba	....

1000 kcs. (299.8 m.)

CMKG	...	10000	z	Santiago de Cuba	....
KFVD	L	1000	a	Los Angeles, Calif.	Frank Burke, Mgr.
TIFA	...	250	z	San Jose, C. Rica	Francisco Ariel
WHO	KR	50000	a	Des Moines, Iowa	Paul A. Loyat, Ch. Eng.
XEBI	...	250	a	Aguascalientes, Ags.	Pedro C. Rivas

1010 kcs. (296.9 m.)

CHML	F	100	a	Hamilton, Ont.	....
CKCD	1	100	a	Vancouver, B. C.	....
CKCK	F	1000	a	Regina, Sask.	....
CKCO	F	100	a	Ottawa, Ont.	Dr. G. H. Geldert
CKIC	...	50	a	Wolfville, N. S.	....
CKWX	F1	100	a	Vancouver, B. C.	....
CMCU	...	200	a	Havana, Cuba	Jorge Garcia Serra
KGGF	M2	1000	a	Coffeyville, Kans.	Hugh J. Powell
KOW	M	1000(5)	a	San Jose, Calif.	C. S. Harper, Mgr.
WHN	...	1000(5)	a	New York, N. Y.	....
WNAD	2	1000	a	Norman, Okla.	T. M. Beaird, Prog. Dir.
WNOX	C	1000(5)	a	Knoxville, Tenn.	Pedro L. Diaz
XEFQ	...	50	a	Cananea, Son.	....
XEU	...	500	a	Veracruz, Ver. C.	Fernando Pazos S.

1020 kcs. (293.9 m.)

CMHO	...	....	z	Sagua la Grande, Cuba	....
CMJK	...	200	a	Camaguey, Cuba	....
KYW	R	10000	b	Philadelphia, Pa.	Leslie W. Joy, Mgr.
WDZ	D	1000	a	Tuscola, Ill.	Mark C. Spies, Ch. Eng.
XEJ	...	1000	a	Juarez, Chih.	Pedro Meneses, Jr.

1030 kcs. (291.1 m.)

CFCN	F	10000	a	Calgary, Alta.	E. Marshall
CJBR	F	1000	a	Rimouski, P. Q.	J. A. Brillant
CKLW	FM	5000	a	Windsor, Ont.	....
CMKW	...	1000	z	Santiago de Cuba	Claudio Alvarez Soriano
TIHO	...	500	z	San Jose, C. Rica	Guillermo Zuniga R.
XEB	...	20000	a	Mexico City, D. F.	....
....	P	1000	z	Santiago de Cuba	....

1040 kcs. (288.3 m.)

KRLD	C	50000	a	Dallas, Texas	John W. Runyon
KWJJ	HL	500	a	Portland, Ore.	Art Morey, Ann'cr.
KYOS	DM	250	a	Merced, Calif.	John W. Crews, Mgr.
VOCM	...	100	z	St. John's, Nfld.	....
WTIC	HR	50000	a	Hartford, Conn.	T. C. McCray
....	P	1000	z	Matanzas, Cuba	....

1050 kcs. (285.5 m.)

CBA	F	50000	a	Sackville, N. B.	....
CMCH	...	....	z	Havana, Cuba	....
HIT	...	50	z	Trujillo, D. R.	A. L. Pichardo
KFBI	LY2	5000	a	Abilene, Kans.	Donald Thornburgh, Mgr.
KNX	C	50000	a	Los Angeles, Calif.	....
WEAU	L2	1000(5)	a	Eau Claire, Wis.	....
WIBC	D	1000	a	Indianapolis, Ind.	....

1060 kcs. (282.8 m.)

KTHS	HN	10000	a	Hot Springs, Ark.	Mary F. Loyd, Sec'y.
VOAC	1065	40	z	St. John's, Nfld.	....
WBAL	BM	10000	a	Baltimore, Md.	Gerald Cooke, Ch. Eng.
WJAG	L	1000	a	Norfolk, Nebr.	Art Thomas, Mgr.

1070 kcs. (280.2 m.)

CMJW	...	200	z	Camaguey, Cuba	M. Caymares Silva
KJBS	L	500	a	San Francisco, Calif.	Miriom Ford, Traffic Dept.
TINBC	P	5000	z	San Jose, C. Rica	Oscar Martinez N.
WCAZ	D	100	a	Carthage, Ill.	....
WTAM	R	50000	a	Cleveland, Ohio	May Draxell

1080 kcs. (277.6 m.)

CMBX	...	200	a	Havana, Cuba	Alberto Alvarez
CMKM	...	200	a	Manzanillo, Cuba	Jesus Armesto
WBT	C	50000	a	Charlotte, N. C.	....
WCBD	LI	5000	a	Chicago, Ill.	....
WMBI	LI	5000	a	Chicago, Ill.	A. P. Frye, Ch. Eng
XEBA	...	20	z	Guzman, Jal.	Javier Velasco
XEBK	...	100	z	Nuevo Laredo, Tam.	J. M. Cortes
XEDP	...	500	a	Mexico City, D. F.	....

1090 kcs. (275.1 m.)

CMHA	...	200	z	Sagua la Grande, Cuba	Abelardo Menocal
HIN	...	100	z	Trujillo, D. R.	J. M. Bonetti
KMOX	C	50000	a	St. Louis, Mo.	G. L. Tevis, Ch. Eng.
XERB	...	50000	a	Tijuana, B. Cfa.	....

1100 kcs. (272.6 m.)

CBR	F	5000	a	Vancouver, B. C.	....
CMHP	...	200	z	Placetas, Cuba	....
KGDM	DM	1000	f	Stockton, Calif.	A. H. Green, Mgr.
KWKH	CH	1000	a	Shreveport, La.	John McCormack, Mgr.
WBIL	1	5000	a	New York, N. Y.	Robert E. Study, Ch. Eng.
WCAR	DP	1000	z	Pontiac, Mich.	....
WOV	P	5000	z	New York, N. Y.	....
WPG	1	5000	a	Atlantic City, N. J.	....

1110 kcs. (270.1 m.)

CMCJ	...	200	a	Havana, Cuba	Rafael Rodriguez
KSOO	LN	5000	a	Sioux Falls, S. Dak.	....
WRVA	CM	50000	a	Richmond, Va.	Les Frake
XECL	...	1000	z	Mexicali, B. Cfa.	Alfonso A. Lacarra

1120 kcs. (267.7 m.)

CBJ	F	100	a	Chicoutimi, P. Q.	
CHLP	F	100	a	Montreal, P. Q.	....
CHSJ	F	100	a	St. John, N. B.	....
CKOC	F	500(1)	a	Hamilton, Ont.	....
CKX	F	1000	a	Brandon, Man.	....
CMGF	...	200	a	Matanzas, Cuba	....
KFIO	D	100	a	Spokane, Wash.	Bernabe de la Torre
KFSG	a	1000(.5)	a	Los Angeles, Calif.	Arthur L. Smith, Mgr.
KRKD	a	1000(.5)	a	Los Angeles, Calif.	Ruth Pritchard
KRSC	EX	250	a	Seattle, Wash.	Dr. Giles N. Knight, Mgr.
KTBC	DG2	1000	z	Austin, Texas	Robt. E. Priebe, Mgr.
WCOP	D	500	a	Boston, Mass.	Whitman Hall
WDEL	R	250(1)	a	Wilmington, Del.	J. E. Mathiot, Ch. Eng.
WISN	C	250(1)	a	Milwaukee, Wis.	D. A. Weller, Ch. Eng.
WJBO	BX	500	a	Baton Rouge, La.	Wilbur Golson, Eng.
WTAW	G2	500	a	College Station, Texas	H. C. Dillingham, Ch. Eng.

1130 kcs. (265.3 m.)

CMJI	...	200	a	Ciego de Avila, Cuba	Gilberto Gesse Lopez
KSL	C	50000	a	Salt Lake City, Utah	E. G. Pack; Earl J. Glade
WJJD	L	20000	a	Chicago, Ill.	J. L. Allabough
WOV	D	1000	a	New York, N. Y.	....
XEJP	...	100	z	Mexico City, D. F.	Salvador Monterrubio R.

1140 kcs. (263 m.)

CMBG	...	200	z	Havana, Cuba	John J. Stowers
KVOO	N	25000	a	Tulsa, Okla.	Wm. B. Way, Mgr.
WAPI	C	5000	a	Birmingham, Ala.	N. McFarland
WSPR	LM	500	a	Springfield, Mass.	Hillis W. Holt

1150 kcs. (260.7 m.)

WHAM	N	50000	a	Rochester, N. Y.	John J. Long, Ch. Eng.
XEBP	...	250	z	Durango, Dgo.	Manuel Cano M.
XEC	...	100	a	Tijuana, B. Cfa.	Luis F. Encisco
XEDW	...	300	a	Minatitlan, Ver. C.	Hector Silva Canto
XEL	...	250	z	Mexico City, D. F.	....
XEXH	...	400	z	Oaxaca, Oax.	....
....	P	1000	z	Holguin, Cuba	....

1160 kcs. (258.5 m.)

CMHJ	...	200	a	Cienfuegos, Cuba	Richardo Ugalde
KEX	B	5000	a	Portland, Oreg.	H. C. Singleton, Ch. Eng.
WOWO	B1	10000	a	Fort Wayne, Ind.	....
WWVA	C1	5000	a	Wheeling, W. Va.	E. A. Hadden, Eng.
XEAS	...	100	a	Saltillo, Coah.	Manuel R. Rodriguez
XED	...	2500	a	Guadalajara, Jal.	....
XEFM	...	....	z	Leon, Gto.	....
XEP	...	500	a	Juarez, Chih.	Estaban Perra

1170 kcs. (256.3 m.)

CMBS	...	200	a	Havana, Cuba	Enrique Artalejo
WCAU	C	50000	a	Philadelphia, Pa.	J. G. Leitch
XEXX	...	1000	z	Mexico City, D. F.	....

1180 kcs. (254.1 m.)

KOB	N	10000	a	Albuquerque, N. Mex.	T. M. Pepperday, Mgr.
WDGY	LM	1000(5)	a	Minneapolis, Minn.	Dr. Geo. W. Young
WINS	L	1000	a	New York, N. Y.	....
WMAZ	CL	1000(5)	a	Macon, Ga.	....

1190 kcs. (252 m.)

CMKX	...	200	z	Banes, Cuba	Oscar Vidal Benitez
WOAI	EN	50000	a	San Antonio, Texas	....
WSAZ	L	1000	a	Huntington, W. Va.	Glenn E. Chase, Ch. Eng.

1200 kcs. (249.9 m.)

CFGP	...	100	a	Grande Prairie, Alta.	....
CHAB	F	100(.25)	a	Moose Jaw, Sask.	A. E. Jacobson, Ch. Eng.
CHGB	F	100	z	St. Anne de la Pocatierre. P. Q.	G. Thomas Desjardins
CKNX	...	100	a	Wingham, Ont.	B. Howard Bedford, Asst. Mgr.
CKTB	F	100	a	St. Catharines, Ont.	E .T. Sandell
CKVD	...	100	z	Val d'Or, P. Q.	....
CMCO	...	200	a	Havana, Cuba	Enrique Lasanta
KADA	EMX	100	a	Ada, Okla.	Warren Moore, Prog. Dir.
KAST	...	250	a	Astoria, Ore.	Lawrence King, Ch. Eng.
KBTM		100(.25)	a	Jonesboro, Ark.	Jay P. Beard, Mgr.
KELO	N	250	a	Sioux Falls, S. Dak.	Joseph Henkin, Mgr.
KFJB	...	250	a	Marshalltown, Iowa	Homer Griffith, Mgr.
KFXD	...	250	a	Nampa, Idaho	Edward Hurt, Mgr.
KFXJ	...	250	a	Grand Junction, Colo.	Rex Howell, Mgr.
KGDE	...	100(.25)	b	Fergus Falls, Minn.	Mat E. Wakz, Ch. Eng.
KGEK	...	100	f	Sterling, Colo.	Elmer G. Beehler
KGFJ	...	100	a	Los Angeles, Calif.	Thelma Kirchner, Prog. Dir.
KGHI	...	250	a	Little Rock, Ark.	R. G. Terrill, Mgr.
KHAS	P	250	z	Hastings, Nebr.	....
KHBC	CM	250	a	Hilo, Hawaii	Webley Ewards, Mgr.
KMLB	...	250	a	Monroe, La.	J. C. Liner, Jr., Mgr.
KOOS	M	250	a	Marshfield, Ore.	Roger L. Spaugh, Ch. Eng.
KSUN	E	250	a	Lowell, Ariz.	Carleton W. Morris, Mgr.
KVCV	M	250	a	Redding, Calif.	Harold Smithson, Mgr.
KVEC	M	250	a	San Luis Obispo, Calif.	Earl Travis, Ch. Eng.
KVNU	...	250	z	Logan, Utah	J. M. Reeder, Ch. Eng.
KVOS	M	250	d	Bellingham, Wash.	....
KWBD	DP	100	z	Plainview, Texas	W. B. Dennis
KWG	BE	100	a	Stockton, Calif.	George Ross, Mgr.
KWNO	E	250	a	Winona, Minn.	A. E. Mickel, Mgr.
TIRCC	...	500	z	San Jose, C. Rica	Carlos Borge
WABI	C	250	a	Bangor, Maine	Ralph Wallace, Mgr.
WAIM	C	100	a	Anderson, S. C.	Ennis Bray, Mgr.
WAYX	...	250	a	Waycross, Ga.	Jack Williams
WBAB	P	100(.25)	z	Atlantic City, N. J.	....
WBBZ	M	250	a	Ponca City, Okla.	Don Mitchell, Ch. Eng.
WBHP	...	100	a	Huntsville, Ala.	....
WBOW	N	250	a	Terre Haute, Ind.	....
WCAT	D	100	a	Rapid City, S. Dak.	C. M. Rowe, Prog. Dir.
WCAX	C	250	a	Burlington, Vt.	James Tierney, Ch. Eng.
WCLO	...	250	a	Janesville, Wis.	Charles Brannen, Ch. Eng.
WCPO	...	250	a	Cincinnati, Ohio	Glen A. Davis, Ch. Eng.
WDLP	P	100(.25)	z	Panama City, Fla.	....
WDSM	M	100	z	Superior, Wis.	Fred A. Baxter
WENY	M	250	d	Elmira, N. Y.	....
WEST	...	250	a	Easton, Pa.	J. E. Mathiot, Ch. Eng.
WESX		100	z	Salem, Mass.	....

WFAM	4	100	a	South Bend, Ind.	Al Todd; Paul Mangus
WFTC	...	250	a	Kinston, N. C.	Jonas Weiland
WHBC	...	250	a	Canton, Ohio	Kenneth Sliker, Ch. Eng.
WHBY	E	250	a	Appleton, Wis.	W. J. Stangel, Ch. Eng.
WHOP	...	250	a	Hopkinsville, Ky.	....
WIBX	C	250	a	Utica, N. Y.	David Foote ,Ch. Eng.
WIL	...	250	a	St. Louis, Mo.	C. H. Stoup, Ch. Eng.
WJBC		250	a	Bloomington, Ill.	A. M. McGregor
WJBW	X	100	a	New Orleans, La.	Charles C. Carlson
WJHL	...	250	a	Johnson City, Tenn.	O. K. Garland, Ch. Eng.
WJNO	C	250	a	W. Palm Beach, Fla.	Reginald B. Martin
WJRD	E	100(.25)	a	Tuscaloosa, Ala.	James R. Doss, Jr.
WKBO	N	100(.25)	a	Harrisburg, Pa.	Charles Myers, Ch. Eng.
WLVA	...	250	a	Lynchburg, Va.	J. T. Orch, Eng.
WMFR		250	a	High Point, N. C.	E. J. Day, Ch. Eng.
WMOB	D	100	z	Mobile, Ala.	A. B. Quigley
WMPC	G	250	a	Lapeer, Mich.	Hollis F. Hayes, Ch. Eng.
WOLS	N	250	a	Florence, S. C.	O. Lee Stone
WRBL	C	250	a	Columbus, Ga.	Oliver Hely, Ch. Eng.
WSAM	GP	100(.25)	z	Saginaw, Mich.	....
WSKB	X	100	z	McComb, Miss.	....
WSOO	P	100(.25)	z	Saul Ste. Marie, Mich.	....
WTHT	M	100	a	Hartford, Conn.	Richard K. Blackburn
WTOL	...	250	a	Toledo, Ohio	Michael Kent, Mgr.
WWAE	4	100	a	Hammond, Ind.	Robert Myers, Ch. Eng.
....	DP	100	z	Logan, W. Va.	....
....	P	250	z	Orlando, Fla.	....
....	P	100(.25)	z	Phoeniz, Ariz.	....
....	P	250	z	Roanoke Rapids, N. C.	....

1210 kcs. (247.8 m.)

CHLT	...	100	z	Sherbrooke, P. Q.	Marcel Provst, Mgr.
CJCS	...	50	a	Stratford, Ont.	Frank M. Squires
CJOC	F	100	a	Lethbridge, Alta.	H. R. Carson
CKBI	F	100	a	Prince Albert, Sask.	Gerald Prest
CKCH	F	100	a	Hull, P. Q.	....
CKMC	...	50	a	Cobalt, Ont.	R. L. MacAdam
CKNB	F	100	a	Campbellton, N. B.	C. S. Chapman, Mgr.
CMHK	...	200	z	Cruces, Cuba	R. G. Gonzalez
KALB	...	250	a	Alexandria, La.	Virgil Evans, Prog. Dir.
KANS	N	250	a	Wichita, Kans.	Herbert Hollister, Mgr.
KASA	M	100	a	Elk City, Okla.	Lyman Brown, Prog. Dir.
KDLR	...	250	a	Devils Lake, N. Dak.	Merle Bjork, Ch. Annc'r.
KDON	M	100	a	Monterey, Calif.	Howard Walters, Mgr.
KFJI	...	100	a	Klamath Falls, Ore.	Geo. Kincaid, Mgr.
KFOR	EM	100(.25)	a	Lincoln, Nebr.	Don Searle, Mgr.
KFPW	XZ	100	a	Fort Smith, Ark.	Dorothy Gibson, Mgr.
KFXM	M2	100	a	San Bernardino, Calif.	J. C. Lee, Mgr.
KGLO	C	250	z	Mason City, Iowa	F. C. Eighmey, Mgr.
KGY	M	100	a	Olympia, Wash.	W. R. Taft, Mgr.
KHBG	...	250	a	Okmulgee, Okla.	A. F. Schultz, Ch. Eng.
KIUL	...	100	a	Garden City, Kans.	F. D. Conard, Mgr.
KLAH	...	250	a	Carlsbad, N. Mex.	Jack Hawkins, Mgr.
KOCA	...	250	a	Kilgore, Texas	H. A. Degner, Mgr.
KOVO	...	250	a	Provo, Utah	....
KPFA	EN	250	a	Helena, Mont.	E. B. Craney, Mgr.
KPPC	2	100	a	Pasadena, Calif.	David Black, Mgr.
KROY	C	100	a	Sacramento, Calif.	Milton Cooper, Ch. Eng.
KVSO	M	100(.25)	a	Ardmore, Okla.	Paul W. Ross, Ch. Eng.
KWAT	P	250	z	Watertown, S. Dak.	....
KWJB	...	250	a	Globe, Ariz.	Bartley Sims, Mgr.
KXOX	...	250	z	Sweetwater, Tex.	....
KYUM	P	100(.25)	z	Yuma, Ariz.	....
WBAX	AM	100	a	Wilkes-Barre, Pa.	Drury Lenington, Prog. Dir.
WBBL	5	100	a	Richmond, Va.	....
WBRB	3	100	a	Red Bank, N. J.	....
WCOL	NXZ	100	a	Columbus, Ohio	J. E. Lowe, Ch. Eng.
WCOU	M	250	a	Lewiston, Maine	Leslie Hall, Ch. Eng.
WCOV		100	z	Montgomery, Ala.	Al Thompson, Ch. Eng.
WCRW	4	100	a	Chicago, Ill.	Clinton R. White
WEBO	...	250	a	Harrisburg, Ill.	J. R. Tate, Ch. Eng.
WEDC	G4	250	a	Chicago, Ill.	Caleb Frisk, Ch. Eng.
WFAS	3	100	a	White Plains, N. Y.	Selma Seitz, Prog. Dir.
WFOY	...	250	a	St. Augustine, Fla.	Bradley Overton, Ch. Eng.
WFTM	P	250	z	Ft. Myers, Fla.	....
WGBB	3	100	a	Freeport, N. Y.	Harry H. Carman
WGCM	...	100(.25)	a	Gulfport, Miss.	C. H. Dyess, Ch. Eng.
WGRM	Y	250	a	Grenada, Miss.	C. A. Perkins, Ch. Eng.
WHAI	M	250	a	Greenfield, Mass.	James L. Spates, Mgr.

WHBU	...	100(.25)	a	Anderson, Ind.	R. F. Fulwider, Ch. Eng.
WHIZ	NX	100	a	Zanesville, Ohio	Ronald Woodyard, Mgr.
WIBU	...	250	a	Poynette, Wis.	Mary Thiessen
WINN	P	100(.25)	z	Louisville, Ky.	....
WJBY	E	250	a	Gadsden, Ala.	Vernon Story, Ch. Eng.
WJEJ	X	100	a	Hagerstown, Md.	Grover Crilley, Mgr.
WJIM	B	250	z	Lansing, Mich.	Leo Ylha, Ch. Eng.
WJLS	...	250	z	Beckley, W. Va.	Joe L. Smith ,Jr.
WJMC	D	250	z	Rice Lake, Wis.	Walter McGenty
WJTN	B	250	a	Jamestown, N. Y.	....
WJW	...	250	a	Akron, Ohio	Gene LaValle, Prog Dir.
WKOK	...	100	a	Sunbury, Pa.	Paul L. Miller, Eng.
WLOK	...	100	a	Lima, Ohio	S. L. Gladfelter, Ch. Eng.
WMFG	C	250	a	Hibbing, Minn.	Charles Persons, Ch. Eng.
WOCB	P	250	z	Hyannis, Mass.	....
WOMT	...	100	a	Manitowoc, Wis.	Francis M. Kadow
WPAX	...	250	a	Thomasville, Ga.	H. Wimpy
WPID	P5	250	z	Petersburg, Va.	....
WRAL	M	250	z	Raleigh, N. C.	Geo. T. Case, Mgr.
WSAY	M	250	a	Rochester, N. Y.	Thurlow Greene
WSBC	G4	250	a	Chicago, Ill.	Ed Jacker, Ch. Eng.
WSIX	M	250	a	Nashville, Tenn.	James Turner
WSNJ	...	250	a	Bridgeton, N. J.	....
WSOC	MN	100(.25)	a	Charoltte, N. C.	L. L. Caudle, Ch. Eng.
WTAX	...	100	a	Springfield, Ill.	Edward Ring, Ch. Eng.
WTMA	N	250	a	Charleston, S. C.	D. M. Dradham, Ch. Eng.
XEAT	...	250	a	Parral, Chih.	David G. Cervantes
XEE	...	50	a	Durango, Dgo.	Alejandro O. Stevensor
XEFV	...	50	a	Juarez, Chih.	Dario Cordoba
XETH	...	100	a	Puebla, Pue.	Ramon Huerta G.

1220 kcs. (245.8 m.)

KFKU	a	1000(5)	a	Lawrence, Kans.	Harold Ingham, Mgr.
KPAC	...	500	a	Port Arthur, Texas	Joe Walters, Ch. Eng.
KTMS	BE	500	z	Santa Barbara, Calif.	Norman McLaughlin, Mgr.
KTW	2	1000	a	Seattle, Wash.	Dr. M. A. Matthews, Mgr.
KWSC	2	1000(5)	a	Pullman, Wash.	Kenneth Yeend, Mgr.
TIGPH	1225	1000	b	San Jose, C. Rica	Gonzalo Pinto H.
WCAD	D	500	a	Canton, N. Y.	Dr. Ward C. Priest, Ch. Eng.
WCAE	MRX	1000(5)	a	Pittsburgh, Pa.	James Schultz, Ch. Eng.
WDAE	CX	1000(5)	a	Tampa, Fla.	Joseph Smiley, Mgr.
WGNY	D	250	a	Newburgh, N. Y.	....
WREN	aB	1000(5)	a	Lawrence, Kans.	Vern Omer, Ch. Eng.
XEBL	...	500	z	Mazatlan, Sin.	Ignacio L. Saiz
XEDA	...	200	z	Mexico City, D. F.	Pedro Riestra Diaz
XETF	...	12	a	Veracruz, Ver. C.	Jose Rodriguez Lopez

1230 kcs. (243.8 m.)

CMCB	...	200	a	Havana, Cuba	V. Montes, Dir.
CMJE	...	200	z	Camaguey, Cuba	Primo Alfonso Casares
KGBX	N	500	a	Springfield, Mo.	R. D. Foster, Mgr.
KGGM	C	1000	a	Albuquerque, N. Mex.	Mike Hollander, Mgr.
KYA	E	1000(5)	a	San Francisco, Calif.	Frances Pike, Prog. Dir.
WFBM	C	1000(5)	a	Indianapolis, Ind.	....
WNAC	R	1000(5)	a	Boston, Mass.	....
WOL	M	1000	a	Washington, D. C.	Henry V. Seay, Mgr.
XECA	...	250	z	Tampico, Tam.	Nicolas M. Picet
XEG	...	250	z	Monterrey, N. L.	Rodolfo Junco de la Vega
XEHK	...	125	z	Guadalajara, Jal.	....

1240 kcs. (241.8 m.)

CJCB	F	1000	a	Sydney, N. S.	....
CMAB	...	200	z	Pinar del Rio, Cuba	Francisco Martinez
CMHB	...	200	z	Sancti Spiritus, Cuba	Ortelio Ramierz
KFJZ	M	1000	a	Fort Worth, Texas	H. Sutton Ch. Eng.
KGCU	...	250	a	Mandan, N. Dak.	....
KTFI	N	1000	a	Twin Falls, Idaho	John E. Gardner, Mgr.
WHBF	M	1000	a	Rock Island, Ill.	Robert Sinnett, Eng.
WKAQ	C	1000	a	San Juan, Puerto Rico	A. P. Del Valle, Ch. Eng.
WXYZ	B	1000(5)	a	Detroit, Mich.	Lynn Smeby, Ch. Eng.
XEAD	...	500	z	Aguascalientes, Ags.	....
XEBC	...	100	z	Morelia, Micho.	....
XEBU	...	50	z	Chihuahua, Chih.	Feliciano Lopez Islas
XECW	...	250	z	Cordoba, Ver. C.	....
XEDL	...	250	z	Navojoa, Son.	....
XEKL	A	500	b	Leon, Gto.	....
XEKS	...	100	z	Saltillo, Coah.	....
XEME	...	50	z	Merida, Yuc.	P. Villamil Cisero

1250 kcs. (239.9 m.)

CMKC	...	200	a	Santiago, Cuba	Ramon Duran
KFOX	...	1000	a	Long Beach, Calif.	Hal G. Nichols, Mgr.
KIT	FM	1000	a	Yakima, Wash.	James A. Murphy, Mgr.
KXOK	...	1000	z	St. Louis, Mo.	Allen Franklin, Prog. Dir.
WAIR	DM	250	a	Winston-Salem, N. C.	Geo. D. Walker, Mgr.
WDSU	B	1000	a	New Orleans, La.	Fred Fabre, Ch. Eng.
WHBI	2	1000(2.5)	a	Newark, N. J.	Irwin R. Wolfe, Ch. Eng.
WKST	D	1000	a	New Castle, Pa.	Herbert Kirk, Mgr.
WMRO	D	250	z	Aurora, Ill.	Leo S. Burch, Ch. Eng.
WNEW	2	1000(5)	a	New York, N. Y.	Max Weiner, Ch. Eng.
WTCN	B	1000(5)	a	Minneapolis, Minn.	....
XEAI	...	500	z	Mexico City, D. F.	Carmen Gutierrez

1260 kcs. (238 m.)

CMBD	...	200	z	Havana, Cuba	Luiz Perez Garcia
CMJO	...	200	a	Ciego de Avila, Cuba	Bonifacio Ildefonso
KGVO	C	1000(5)	a	Missoula, Mont.	A. J. Mosby, Mgr.
KHSL	M	500(1)	a	Chico, Calif.	Harold Smithson, Mgr.
KOIL	CEM	1000(5)	a	Omaha, Nebr.	Don Searle, Mgr.
KRGV	N	1000	a	Weslaco, Texas	Ken L. Gibson, Mgr.
KUOA	D	5000	a	Siloam Springs, Ark.	C. M. Books, Mgr.
KVOA	EN	1000	a	Tucson, Ariz.	Gil Maynier, Prog. Dir.
WFVA	D	250	z	Fredericksburg, Va.	....
WHIO	C	1000(5)	a	Dayton, Ohio	Ernest Adams, Ch. Eng.
WHLD	DP	1000	z	Niagara Falls, N. Y.	....
WNBX	CMY	1000	a	Springfield, Vt.	Wm. Moore, Ch. Eng.
WTOC	C	1000(5)	a	Savannah, Ga.	Wm. B. Smart, Prog. Dir.

1270 kcs. (236.1 m.)

CMHD	...	200	d	Caibarien, Cuba	Manuel Alvarez M.
KGCA	DQ2	100	a	Decorah, Iowa	Charles Greenley
KOL	M	1000(5)	a	Seattle, Wash.	Elmer Pederson, Mgr.
KVOR	C	1000	a	Colorado Springs, Colo.	Hugh Terry, Mgr.
KWLC	D2	100	a	Decorah, Iowa	Dr. O. J. H. Preuss
WASH	aDN	500	a	Grand Rapids, Mich.	Sandy Mek, Prog. Dir.
WFBR	R	1000(5)	a	Baltimore, Md.	Wm. Q. Ranft, Ch. Eng.
WJDX	R	1000(5)	a	Jackson, Miss.	Percy Root, Ch. Eng.
WOOD	aN	500	a	Grand Rapids, Mich.	Sandy Meek, Prog. Dir.
XESM	...	100	z	Mexico City, D. F.	....
XEXB	A	250	a	Jalapa, Ver. C.	....
XEXE	...	17	z	Texcoco, D. F.	....

1280 kcs. (234.2 m.)

CMKO	...	200	z	Holguin, Cuba	Manuel Angulo Farran
KFBB	C	1000(5)	a	Great Falls, Mont.	Jessie Jacobson, Mgr.
KLS	...	250	a	Oakland, Calif.	S.W. Warner, Mgr.
WCAM	2	500	a	Camden, N. J.	R. L. Horn, Prog. Dir.
WCAP	2	500	a	Asbury Park, N. J.	....
WDOD	C	1000(5)	b	Chattanooga, Tenn.	Frank S. Lane, Mgr.
WIBA	N	1000(5)	a	Madison, Wis.	M. F. Chapin, Ch. Eng.
WORC	C	500	a	Worcester, Mass.	....
WRR	M	500	a	Dallas, Texas	Chas. Jordan, Prog. Dir.
WTNJ	2	500	a	Trenton, N. J.	E. P. Knowles, Ch. Eng.
XEKR	...	100	z	Mexico City, D. F.	....
XEMX	A	100	z	Mexico City, D. F.	Alfonso Avalos

1290 kcs. (232.4 m.)

CMCG	...	200	a	Havana, Cuba	O. Montenegro
KDYL	R	1000(5)	a	Salt Lake City, Utah	S. S. Fox, Mgr.
KLCN	D	100	a	Blytheville, Ark.	C. L. Lintzenich, Mgr.
KTRH	C	1000(5)	a	Houston, Texas	B. F. Orr, Mgr.
WATR	...	250	a	Waterbury, Conn.	....
WEBC	N	1000(5)	a	Duluth, Minn.	Chas. Persons, Ch. Eng.
WJAS	C	1000(5)	a	Pittsburgh, Pa.	Walter McCoy, Ch. Eng.
WJHP	P	250	z	Jacksonville, Fla.	Carlyle Wright, Mgr.
WNBZ	D	100	a	Saranac Lake, N. Y.	....
WNEL	...	1000(2.5)	a	San Juan, Puerto Rico	Juan Piza

1300 kcs. (230.6 m.)

KALE	M	1000	a	Portland, Ore.	Dick Rand, Prog. Dir.
KFAC	...	1000	a	Los Angeles, Calif.	E. Tyler, Log Dept.
KFH	C	1000(5)	a	Wichita, Kans.	Russell L. Lowe, Mgr.
WBBR	2	1000	a	Brooklyn, N. Y.	....

WEVD	2	1000	a	New York, N. Y.	....
WFBC	NX	1000(5)	a	Greenville, S. C.	Frank Blair, Prog. Dir.
WHAZ	2	1000	a	Troy, N. Y.	H. D. Harris, Ch. Eng.
WHBL	...	250(1)	g	Sheboygan, Wis.	Herbert Mayer, Ch. Eng.
....	P	1000	z	Minneapolis, Minn.	....

1310 kcs. (228.9 m.)

CHCK	...	50	a	Charlottetown, P. E. I.	....
CJKL	F	100	a	Kirkland Lake, Ont.	....
CJLS	F	100	a	Yarmouth, N. S.	Laurie L. Smith
CKCV	F	100	a	Quebec, P. Q.	....
CMKE	?	....	z	Manzanillo, Cuba	....
KARM	C	250	a	Fresno, Calif.	Lou Keplinger, Mgr.
KBND	...	250	z	Bend, Ore.	....
KCKN	E	250	a	Kansas City, Kans.	Ralph Nelson, Prog. Dir.
KCRJ	E	250	a	Jerome, Ariz.	Irvin Faulkner, Ch. Op.
KFPL	...	100(.25)	f	Dublin, Texas	C. B. Baxter, Mgr.
KFYO	M	100(.25)	a	Lubbock, Texas	De Witt Landis, Mgr.
KGEZ	...	100	a	Kalispell, Mont.	Donald Treloar
KGFW	...	250	a	Kearney, Nebr.	Clark Standiford, Mgr.
KHUB	...	250	a	Watsonville, Calif.	John Bennett, Mgr.
KMYR	P	100(.25)	a	Denver, Colo.	F. W. Meyer
KOCY	...	250	a	Oklahoma City, Okla.	M. H. Bonebrake, Mgr.
KOME	EM	250	z	Tulsa, Okla.	....
KPDN		100	a	Pampa, Texas	S. L. Patterson, Mgr.
KRMD	...	250	a	Shreveport, La.	G. V. Wilson, Mgr.
KROC	EN	250	a	Rochester, Minn.	F. C. Clarke, Ch. Eng.
KRRV	DMXZ	250	a	Sherman, Texas	Tom Spellman, Ch. Eng.
KSRO	...	250	a	Santa Rosa, Calif.	W. R. Nichols, Ch. Eng.
KSUB	...	100	a	Cedar City, Utah	Wayne Boothe, Annc'r.
KTSM	N2XZ	250	a	El Paso, Texas	Karl O. Wyler, Mgr.
KUIN	...	100	a	Grants Pass, Ore.	....
KVIC	...	100(.25)	a	Victoria, Texas	....
KVOL	...	250	a	Lafayette, La.	Geo. H. Thomas, Mgr.
KVOX	E	250	a	Moorhead, Minn.	M. M. Marget, Mgr.
KVSF	C	100	a	Santa Fe, N. Mex.	....
KWFC	P	100(.25)	z	Hot Springs, Ark.	....
KWOC	...	250	a	Poplar Bluff, Mo.	Randall Jessee, Mgr.
KWOS	...	250	a	Jefferson City, Mo.	R. L. Rose, Mgr.
KXRO	M	250	a	Aberdeen, Wash.	Harry R. Spence, Mgr.
TGI	...	....	d	Guatemala City, Guat.	Col. Eduardo Perez F.
WAML	...	250	a	Laurel, Miss.	R. V. DeGruy, Mgr.
WBRE	N	250	a	Wilkes-Barre, Pa.	Louis G. Baltimore
WBRK	M	250	a	Pittsfield, Mass.	Norman H. Blake, Ch. Eng.
WCLS	L	100	a	Joliet, Ill.	E. Hayes, Ch. Eng.
WCM1	M	250	a	Ashland, Ky.	Paul W. Holton, Eng.
WDAH	2	250	a	El Paso, Texas	....
WDMJ	...	250	a	Marquette, Mich.	....
WEBR	B	250	a	Buffalo, N. Y.	Albert Zink, Mgr.
WEMP	...	250	a	Milwaukee, Wis.	Roy Host, Ch. Eng.
WEXL	...	50	a	Royal Oak, Mich.	Kirk Knight, Prog. Dir.
WFBG	R	100	a	Altoona, Pa.	Roy Thompson, Eng.
WFDF	B	100	a	Flint, Mich.	F. S. Loeb, Mgr.
WFIG	P	100(.25)	z	Sumter, S. C.	J. Samuel Brody
WGAU	...	250	a	Athens, Ga.	A. Lynne Brannen
WGH	K	250	a	Newport News, Va.	Gene Stratton, Prog. Dir.
WGTM	...	250	a	Wilson, N. C.	H. W. Wilson, Eng.
WHAT	4	100	a	Philadelphia, Pa.	Julius Geise, Ch. Eng.
WJPF	P	100(.25)	z	Terrin, Ill.	....
WJPR	...	250	z	Greenville, Miss.	Powell Hunter, Ch. Eng.
WLAK	N	250	z	Lakeland, Fla.	John R. Pepper
WLBC	...	250	a	Muncie, Ind.	Donald A. Burton
WLBJ	P	250	z	Bowling Green, Ky.	....
WLNH	M	250	a	Laconia, N. H.	Kenneth Taylor, Ch. Eng.
WMBO	...	250	a	Auburn, N. Y.	Herbert House, Ch. Eng.
WMFF	B	250	a	Plattsburg, N. Y.	John Nazak, Ch. Eng.
WNBH	MX	100(.25)	a	New Bedford, Mass.	I. Vermilya
WRAW	...	100	a	Reading, Pa.	....
WROL	N	250	a	Knoxville, Tenn.	L. Strunk
WSAJ	...	100	a	Grove City, Pa.	Herbert Harmon, Mgr.
WSAV	N	100	a	Savannah, Ga.	....
WSGN	BE	100(.25)	a	Birmingham, Ala.	....
WSIS	CM	250	a	Winston-Salem, N. C.	....
WSOY	...	100(.25)	a	Decatur, Ill.	....
WTAL	...	100(.25)	a	Tallahassee, Fla.	Richard Kingston, Prog. Dir.
WTEL	4	100	a	Philadelphia, Pa.	....
WTJS	...	250	a	Jackson, Tenn.	B. C. Rummell, Ch. Eng.
WTRC	...	250	a	Elkhart, Ind.	R. R. Baker, Mgr.
XEAG	...	250	z	Cordoba, Ver. C.	Diodoro Zuniga

XEAU	...	250	z	Tijuana, B. Cfa.	....
XEBO	...	25	z	Irapuato, Gto.	Alfonso Martinez
XEFW	...	300	a	Tampico, Tam.	....
XETB	...	500	a	Torreon, Coah.	Aurelio G. Zaragoza
XEX	..	500	a	Monterrey, N. L.	....
....	P	250	z	Washington, D. C.	....

1320 kcs. (227.1 m.)

CMCR	...	200	z	Havanna, Cuba	....
KGHF	B	500	a	Pueblo, Colo.	J. H. McGill, Pub. Dir.
KGM	BCMZX	1000	a	Honolulu, Hawaii	Webley Edwards, Mgr.
KID	...	500(1)	a	Idaho Falls, Idaho	Jack Duckworth, Mgr.
KRNT	C	1000(5)	a	Des Moines, Iowa	Edmund Linehan, Prog. Dir.
WADC	CX	1000(5)	a	Akron, Ohio	Robert Wilson
WORK	N	1000	a	York, Pa.	J. E. Mathiot, Ch. Eng.
WSMB	RX	1000(5)	a	New Orleans, La.	H. G. Nebe, Ch. Eng.

1330 kcs. (225.4 m.)

KGB	MX	1000	a	San Diego, Calif.	David R. Young, Prog. Dir.
KMO	M	1000	a	Tacoma, Wash.	Carl E. Haymond
KRIS	N	500	a	Corpus Christi, Tex.	T. Frank Smith, Mgr.
KSCJ	NX	1000(5)	a	Sioux City, Iowa	C. W. Corkhill, Mgr.
WDRC	CX	1000(5)	g	Hartford, Conn.	Italo Martino, Ch. Eng.
WSAI	MNX	1000(5)	a	Cincinnati, Ohio	Bill Bailey, Pub. Dir.
WTAQ	CX	1000(5)	a	Green Bay, Wis.	....

1340 kcs. (223.7 m.)

KDTH	DP	500	z	Dubuque, Iowa	....
KGIR	EN	5000	a	Butte, Mont.	E. B. Craney, Mgr.
KGNO	...	250(1)	b	Dodge City, Kans.	N. C. Peterson, Mgr.
WCOA	N	500(1)	a	Pensacola, Fla.	....
WFEA	MN	500(1)	a	Manchester, N. H.	....
WFNC	DP	250	z	Fayetteville, N. C.	....
WSPD	RX	1000(5)	a	Toledo, Ohio	....
WPAB	P	1000	z	Ponce, Puerto Rico	....
XEAP	...	50	z	Obregon, Son.	Emilio Manzanilla
XEBJ	...	100	a	Victoria, Tam.	Fernando Elizalde
XEBS	...	200	z	Mexico City, D. F.	Maria Remedios Delgado
XEBW	...	250	a	Chihuahua, Chih.	....
XEDH	...	200	z	Villa Acuna, Coah.	Vincente Hernandez
XEFC	...	100	a	Merida, Yuc.	Julio Molina Font
XELW	...	250	z	Guadalajara, Jal.	....

1350 kcs. (222.1 m.)

CMCA	...	200	a	Havana, Cuba	J. M. Gonzalez, Dir.
KIDO	N	1000(2.5)	a	Boise, Idaho	C. G. Phillips, Mgr.
KWK	BM	1000(5)	a	St. Louis, Mo.	Clarence Cosby, Mgr.
WAWZ	2	1000	a	Zarephath, N. J.	....
WBNX	2	1000	a	New York, N. Y.	....
WMBG	RX	500	a	Richmond, Va.	....

1360 kcs. (220.4 m.)

CMJH	...	200	d	Ciego de Avila, Cuba	Luis Marauri H.
KCRC	EM	250	a	Enid, Okla.	Wm. Butterfield, Annc'r.
KGER	...	1000	a	Long Beach, Calif.	Jay Tapp, Ch. Eng.
KLPM	...	500(1)	a	Minot, N. Dak.	Richard Schmidt, Mgr.
KSLM	M	500(1)	a	Salem, Ore.	Clyde Wiegand, Ch. Eng.
WCSC	C	500(1)	a	Charleston, S. C.	....
WFBL	C	1000(5)	a	Syracuse, N. Y.	....
WGES	2	500(1)	a	Chicago, Ill.	....
WQBC	D	1000	a	Vicksburg, Miss.	....
WSBT	C2	500	a	South Bend, Ind.	....

1370 kcs. (218.8 m.)

CFAR	...	100	a	Flin Flon, Man.	....
CFOS	...	100	z	Owen Sound, Ont.	....
CKCW	F	100	a	Moncton, N. B.	....
CKRN	...	250	z	Rouyn, P. Q.	J. O. Tardif, Mgr.
CMGE	...	200	a	Cardenas, Cuba	Genero Sebater
HIZ	...	75	z	Trujillo, D. R.	Frank Hatton
KEEN	3	100	a	Seattle, Wash.	Arthur Dailey, Mgr.
GELD		250	z	El Dorado, Ark.	F. E. Bolls
KERN	BEXZ	100	a	Bakersfield, Calif.	Robert Stoddard, Mgr.

KFGQ	D	100	a	Boone, Iowa	....
KFRO	DXZ	250	a	Longview, Texas	Harold Johnson, Mgr.
KFVS	...	250	a	Cape Girardeau, Mo.	....
KGFL	4	100	a	Roswell, N. Mex.	E. Whitmore, Mgr.
KGFL		100	a	San Angelo, Texas	Earle Yates, Mgr.
KICA		100	a	Clovis, N. Mex.	Chas. C. Alsup, Mgr.
KIUN	...	100	a	Pecos, Texas	Jack Hawkins, Mgr.
KIUP	...	100	a	Durango, Colo.	Ray Beckner, Mgr.
KLUF	...	250	a	Galveston, Tex.	Lawrence Yates, Mgr.
KMAC	5	250	a	San Antonio, Tex.	Howard Davis, Mgr.
KOBH	...	250	a	Rapid City, S. Dak.	Robert Dean, Mgr.
KOKO	...	100	a	La Junta, Colo.	Leonard Wilson
KONO	5	250	a	San Antonio, Tex.	ugene Roth, Mgr.
KORN	...	100(.25)	a	Fremont, Nebr.	....
KRE	...	250	a	Berkeley, Calif.	Arthur Westlund, Mgr.
KRKO	3	50	a	Everett, Wash.	Lee Mudgett
KRMC	...	250	a	Jamestown, N. Dak.	Frank Gillespie Prog. Dept.
KTEM	M	250	a	Temple, Texas	Burton Bishop, Mgr.
KTOK	EMN	250	a	Oklahoma City, Okla.	Joseph Lee, Mgr.
KTSW	M	250	a	Emporia, Kans.	K. W. Trimble, Gen. Mgr
KTUC	CE	250	a	Tucson, Ariz.	Frank Howe, Mgr.
KUJ	...	100	a	Walla Walla, Wash.	H. E. Studebaker, Mgr.
KVFD	G	250	a	Fort Dodge, Iowa	....
KVGB	...	250	a	Great Bend, Kans.	....
KVRS	...	250	a	Rock Springs, Wyo.	Ken Nielson, Mgr.
KWYO	...	250	a	Sheridan, Wyo.	H. W. Siebert, Mgr.
WABY	BM	100(.25)	a	Albany, N. Y.	Harold Smith, Mgr.
WAGF	D	250	a	Dothan, Ala.	Julian Smith, Mgr.
WATL	M	250	a	Atlanta, Ga.	....
WATW	P	100	a	Asheville, N. C.	....
WBLK	N	250	a	Clarksburg, W. Va.	....
WBNY	2	250	a	Buffalo, N. Y.	Roy Albertson
WBTH	...	250	z	Williamson, W. Va.	....
WBTM	...	100(.25)	a	Danville, Va.	....
WCBM	...	250	a	Baltimore, Md.	....
WCNC		250	z	Elizabeth City, N. C.	Lewis Hiland, Ch. Eng.
WCOS	...	250	a	Columbia, S. C.	....
WDAS	...	250	a	Philadelphia, Pa.	Harold Davis, Prog. Dir.
WDWS	...	250	a	Champaign, Ill.	....
WEOA	C	250	a	Evansville, Ind.	....
WFOR	...	100	a	Hattiesburg, Miss.	....
WFTL		100(.25)	a	Ft. Lauderdale, Fla.	Tom M. Bryan
WGBR		250	a	Goldsboro, N. C.	....
WGL	N	250	a	Fort Wayne, Ind.	....
WGRC	M	250	a	New Albany, Ind.	Jack Gardner, Ch. Eng.
WHBQ	...	100	a	Memphis, Tenn.	....
WHDF	...	250	a	Calumet, Mich.	....
WHKY	P	250	z	Hickory, N. C.	....
WHLB	C	250	a	Virginia, Minn.	Vernon Baumgartner
WHLS	...	250	a	Port Huron, Mich.	Angus Pfaff, Mgr.
WHUB	P	250	z	Cookeville, Tenn.	M. L. Medley
WIBM	B	250	a	Jackson, Mich.	W. H. Dunn, Prog. Dir.
WISE	N	250	z	Asheville, N. C.	Harold H. 8homs
WJAC	R	250	a	Johnstown, Pa.	....
WLLH	S	10-100	a	Lawrence, Mass.	Robert Donahue
WLLH	MS	250	a	Lowell, Mass.	Robert Donahue
WMAN	D"	250	a	Mansfield, Ohio	....
WMBR	C	250	a	Jacksonville, Fla.	H. B. Greene, Ch. Eng.
WMFD	...	100(.25)	a	Wilmington, N. C.	Richard Dunlea
WMGA		250	z	Moultrie, Ga.	Frank R. Pidcock
WMIN	...	250	a	St. Paul, Minn.	....
WMSL	DEX	100	a	Decatur, Ala.	....
WOC	C	250	a	Davenport, Iowa	Allen R. Richter
WORD	P	100(.25)	z	Spartanburg, S. C.	....
WPAY	...	100	a	Portsmouth, Ohio	Maurice L. Myers
WPRA	XX	1000(2.5)	a	Mayaguez, P. R.	....
WRAK	...	250	a	Williamsport, Pa.	....
WRDO	MN	100	a	Augusta, Maine	J. Mitchell
WRJN	...	250	a	Racine, Wis.	....
WSAU	...	250	a	Wausau, Wis.	....
WSLB	P	250	z	Ogdensburg, N. Y.	....
WSVS	D2	50	b	Buffalo, N. Y.	H. C. Bieda
WTSP		250	z	St. Peterburg, Fla.	....
XECZ	...	100	z	San Luis Potosi, S. L. P.	Zeferino Z. Jimenez
XEI	...	125	a	Morelia, Micho.	Carlos Gutierrez
XELZ	...	100	z	Mexico City, D. F.	Maria Gardena de Zetina
....	P	250	z	Kingsport, Tenn.	....
....	P	100(.25)	z	Opelika, Ala.	....
....	P	100(.25)	z	Scranton, Pa.	....

1380 kcs. (217.3 m.)

CMCW	...	200	d	Havana, Cuba	A. Puente
KOH	NXZ	500	a	Reno, Nev.	Merle Snider, Prog. Dir.
KQV	...	10000	b	Pittsburgh, Pa.	J. J. Laux, Mgr.
WALA	CX	500(1)	a	Mobile, Ala.	W. O. Pape, Mgr.
WING	N	250(.5)	a	Dayton, Ohio	....
WKBH	C	1000	a	La Crosse, Wis.	....
WNBC	B	1000	a	New Britain, Conn.	Rogers B. Holt, Ch. Eng.

1390 kcs. (215.7 m.)

CMJC	...	200	z	Camaguey, Cuba	Miguel Guillen Perez
KABR	...	500(1)	a	Aberdeen, S. Dak.	W. L. Dean, Prog. Dir.
KLRA	C	1000(5)	a	Little Rock, Ark.	S. C. Vinsonhaler, Mgr.
KOY	C	1000	g	Phoeniz, Ariz.	E. E. Alden
KRLC	...	250	a	Lewiston, Idaho	Donald H. Wike, Mgr.
WHK	KBM	1000(5)	a	Cleveland, Ohio	E. L. Gove, Tech. Sup.
WQDM	AD	1000	f	St. Albans, Vt.	....
XEM	...	500	z	Chihuahua, Chih.	....

1400 kcs. (214.2 m.)

CMAR	...	200	z	Pinar del Rio, Cuba	....
CMKR	...	200	z	Santiago de Cuba	Jaime Nadal
KLO	B	5000	a	Ogden, Utah	Paul R. Heitmeyer
KTUL	C	5000	a	Tulsa, Okla.	W. C. Gillespie
TGX	...	....	d	Guatemala City, Guat.	....
WARD	2	500	a	Brooklyn, N. Y.	AAron Kronenberg
WBBC	2	500	a	Brooklyn, N. Y.	Bert Child, Prog. Dir.
WHDL	D	250	a	Olean, N. Y.	....
WIRE	MR	5000	a	Indianapolis, Ind.	Earl Lewis, Ch. Eng.
WLTH	2	500	a	New York, N. Y.	....
WVFW	2	500	a	Brooklyn, N. Y.	....
XEA	...	250	z	Campeche, Cam.	....
XEAJ	...	100	z	Navojoa, Son.	....
XEDE	...	100	z	Torreon, Coah.	....
XEDS	...	250	z	Mazatan, Sin.	....

1410 kcs. (212.5 m.)

CKFC	2	50	a	Vancouver, B. C.	....
CKMO	2	100	a	Vancouver, B. C.	....
CMCQ	...	200	a	Havana, Cuba	Andres Martinez
KFJM	...	500(1)	a	Grand Forks, N. Dak.	Dalton Le Masurier, Mgr.
KGNC	N	1000(2.5)	a	Amarillo, Texas	O. L. Taylor, Mgr.
KMED	N	250(1)	b	Medford, Ore.	....
WAAB	EM	1000	a	Boston, Mass.	E. A. Donaher
WBCM	...	500(1)	a	Bay City, Mich.	....
WHIS	...	500(1)	a	Bluefield, W. Va.	Edw. L. Ketts
WROK	M	500(1)	a	Rockford, Ill.	....
WSFA	CE	500(1)	a	Montgomery, Ala.	....

1420 kcs. (211.1 m.)

CBY	F	100	a	Toronto, Ont.	
CHLN	...	100	z	Three Rivers, P. Q.	Leon Trepanier, Ch.Eng.
CKCA	F	100(.25)	a	Kenora, Ont.	....
CKLN	F	100	a	Nelson, B. C.	Hume Lethbridge, Mgr.
CMJP	...	200	a	Moron, Cuba	Cesar Canals
KABC	M	250	a	San Antonio, Texas	Chas. Belfi, Prog. Dir.
KATE	E	250	a	Albert Lea, Minn.	Geo. Russell, Prog. Dir.
KBPS	4	100	a	Portland, Ore.	Wm. Allingham, Mgr.
KCMC	M	250	a	Texarkana, Texas	W. T. Casper, Prog. Dir.
KDNT		100	a	Denton, Texas	Jack Wallace, Prog Dir.
KEUB	...	100	a	Price, Utah	Sam G. Weiss
KFAM	EN	250	a	St. Cloud, Minn.	Geo. Bairey, Mgr.
KFIZ	E	100	a	Fond du Lac, Wis.	Lynn B. Fairbanks, Mgr.
KGFF	EM	250	a	Shawnee, Okla.	Ross Porter, Mgr.
KGIW	3	100	a	Alamosa, Colo.	E. L. Allen
KGLU	...	250	a	Safford, Ariz.	....
KIDW	3	100	a	Lamar, Colo.	Sherrill Ellsworth, Mgr.
KLBM	...	250	z	La Grande, Ore.	Paul E. Walden, Ch. Eng.
KORE	M	250	a	Eugene, Ore.	Frank Hill, Mgr.
KRBC	M	250	a	Abilene, Texas	Max Bentley, Mgr.
KRBM	E	250	a	Bozeman, Mont.	....
KRIC	...	250	z	Beaumont, Texas	....
KRLH	...	100	a	Midland, Texas	Thomas Belzel, Mgr.
KSAN	...	250	a	San Francisco, Calif.	S. H. Paterson, Mgr.

KTRI	...	250	f	Sioux City, Iowa	Dietrich Dirks, Mgr.
KVAK		100	a	Atchison, Kans.	....
KWAL	...	100(.25)	a	Wallace, Idaho	....
KWBG	X	100	a	Hutchinson, Kans.	W. B. Greenwald, Mgr.
KXL	4	250	b	Portland, Ore.	T. W. Symons, Jr. Mgr.
WACO	CM	250	b	Waco, Texas	James W. Pate, Mgr.
WAGM	...	100	a	Presque Isle, Maine	R. W. MacIntosh Mgr.
WAOV	P	100	z	Vincennes, Ind.	....
WAPO	NXZ	250	a	Chattanooga, Tenn.	R. G. Patterson, Mgr.
WAZL	...	250	a	Hazleton, Pa.	Edward Beisel, Prog. Dir.
WCBS	...	250	a	Springfield, Ill.	....
WCHV	...	250	a	Charlottesville, Va.	....
WEED	...	250	a	Rocky Mount, N. C.	Wm. Avers Wynne
WELL	B	100	a	Battle Creek, Mich.	....
WFMJ	...	250	a	Youngstown, Ohio	....
WGNC	...	250	z	Gastonia, N. C.	F. C. Todd, Mgr.
WGPC	X	100	a	Albany, Ga.	....
WHFC	...	250	a	Cicero, Ill.	....
WHMA	X	100	a	Anniston, Ala.	Edwin Mullinax
WILM	...	250	a	Wilmington, Del.	....
WJMS	...	250	a	Ironwood, Mich.	....
WKIP	P	250	z	Poughkeepsie, N. Y.	....
WLAP	M	100(.25)	a	Lexington, Ky.	Winston L. Clark, Mgr.
WLEU	B	250	a	Erie, Pa.	....
WLPM	P	100(.25)	z	Suffolk, Va.	....
WMAS	C	250	a	Springfield, Mass.	....
WMBC	...	250	a	Detroit, Mich.	E. H. Clark, Ch. Eng.
WMBH	...	250	a	Joplin, Mo.	....
WMBS	...	250	a	Uniontown, Pa.	Chas. McClane, Eng.
WMFJ	...	250	a	Daytona Beach, Fla.	W. Wright Esch
WMSD	X	100	a	Muscle Shoals City, Ala.	....
WNOE	...	250	a	New Orleans, La.	....
WPAD	...	250	a	Paducah, Ky.	....
WPAR	C	100	a	Parkersburg, W. Va.	....
WPRP	...	250	a	Ponce, Puerto Rico	Julio M. Conesa
WSLI	...	250	a	Jackson, Miss.	G. G. Benson, Ch. Eng.
WSPB		100(.25)	a	Sarasota, Fla.	....
....	P	100(.25)	z	Martinsville, Va.	....
....	P	100	z	Marsville, Calif.	....
....	P	100(.25)	z	Valdosta, Ga.	....

1430 kcs. (209.7 m.)

CJGX	F	1000	a	Yorkton, Sask.	A. L. Garside, Mgr.
CMKZ	...	200	z	Palma Soriano, Cuba	Joaquin Venero Obregon
KGNF	D	1000	a	North Platte, Nebr.	J. B. Eaves, Eng.
KINY		1000	a	Juneau, Alaska	C. B. Arnold, Mgr.
KSO	BM	1000(5)	a	Des Moines, Iowa	Edmund Linehan, Prog. Dir.
WBNS	C	1000(5)	a	Columbus, Ohio	....
WHEC	C	500(1)	a	Rochester, N. Y.	....
WHP	C	1000(5)	a	Harrisburg, Pa.	....
WMPS	B	500(1)	a	Memphis, Tenn.	....
WOKO	CK	500(1)	a	Albany, N. Y.	....
XERH	...	500	z	Mexico City, D. F.	

1440 kcs. (208.2 m.)

CKGB	F	100	a	Timmins, Ont.	R. H. Thomson
CMBY	...	200	a	Havana, Cuba	Donald Hathaway
KDFN	...	500	a	Casper, Wyo.	Pedro Marti, Ch. Eng.
KELA	M	1000	a	Centralia, Wash.	J. Elroy McCaw, Mgr.
KXYZ	BM	1000	a	Houston, Texas	T. Frank Smith, Mgr.
WBIG	C	1000(5)	a	Greensboro, N. C.	....
WCBA	a	500	a	Allentown, Pa.	....
WMBD	C	1000(5)	a	Peoria, Ill.	F. A. Giles, Tech. Dir.
WSAN	aN	500	a	Allentown, Pa.	Geo. G. Snyder Prog. Dir.
XEFI	...	1000	a	Chihuahua, Chih.	Feliciano Lopez Islas

1450 kcs. (206.8 m.)

CFCT	...	500	a	Victoria, B. C.	....
CHGS	F	50	f	Summerside, P. E. I.	R. T. Holman
CMHM	...	200	z	Cienfuegos, Cuba	Jose R. Feminias
HRN	...	500	b	Tegucigalpa, Hond.	....
KCMO	...	1000(5)	a	Kansas City, Mo.	Lee Roberts, Prog. Dir.
KGCX	...	1000	a	Wolf Point, Mont.	Milton J. Severson, Mgr.
KIEM	M	500(1)	a	Eureka, Calif.	Wm. B. Smullin Mgr.
KTBS	NZ	1000	a	Shreveport, La.	John McCormack, Mgr.
TGQ	...	200	a	Quezaltenango, Guat.	....

WAGA	B	500(1)	a	Atlanta, Ga.	
WGAR	C	1000(5)	a	Cleveland, Ohio	Jess Swicegood
WHOM	...	250	a	Jersey City, N. J.	R. M. Pierce, Ch. Eng.
WSAR	M	1000	f	Fall River, Mass.	....
XEF	...	100	a	Juarez, Chih.	Gilberto Gil

1460 kcs. (205.4 m.)

CMKF	...	250	z	Holguin, Cuba	Manuel J. De Gongora
KSTP	RX	10000(25)	z	St. Paul, Minn.	Stanley Hubbard, Mgr.
WJSV	CX	10000	a	Washington, D. C.	Harry R. Crow; Clyde Hunt

1470 kcs. (204 m.)

CMCX	...	200	z	Havana, Cuba	L. Sanchez
HI8Q	1475	100	z	Trujillo, D. R.	Julio A. Garcia
KGA	BM	5000	a	Spokane, Wash.	A. L. Smith, Mgr.
WLAC		5000	a	Nashville, Tenn.	J. T. Ward

1480 kcs. (202.6 m.)

CMHX	...	200	a	Cienfuegos, Cuba	J. Garcia R.
KOMA	C	5000	a	Oklahoma City, Okla.	Haymond Ramsey
WHIP	D	5000	z	Hammond, Ind.	Elmer Herkner
WKBW	CM	5000	a	Buffalo, N. Y.	....

1490 kcs. (201.2 m.)

CMKQ	E	1000	z	Santiago de Cuba	Mario Abril Dumois
KFBK	EKN	10000	a	Sacramento, Calif.	Howard Lane
WCKY	C	50000	a	Cincinnati, Ohio	C. H. Topmiller, Ch. Eng.
XECH	...	250	z	Toluca, Mex.	....
XEDR	...	100	z	Guaymas, Son.	Modeste Ortega

1500 kcs. (199.9 m.)

CJIC	F	100	a	Sault Ste. Marie, Ont.	J. C. Whitby
CMOX	...	200	a	Havana, Cuba	E. Chisholm
KAWM	...	100	a	Gallup, N. Mex.	A. W. Mills
KBIX	EM	100	a	Muskogee, Okla.	J. H. Speck, Mgr.
KBKR	P	100(.25)	z	Baker, Ore.	Louis P. Thornton
KBST	M	100	a	Big Spring, Texas	Mary V. Keneaster, Prog. Dir.
KDAL	C	100(.25)	a	Duluth, Minn.	Gilbert Fawcett, Prog. Dir.
KDB	EM	100(.25)	a	Santa Barbara, Calif.	Earl Pollock, Mgr.
KDRO	...	100(.25)	z	Sedalia, Mo.	....
KFDA	M	100	z	Amarillo, Texas	....
KGFI	...	100(.25)	a	Brownsville, Texas	Fred Hammond, Ch. Eng.
KGKY	...	250	a	Scottsbluff, Nebr.	
KNEL	D	250	a	Brady, Texas	G. L. Burns
KNOW	M	250	a	Austin, Texas	....
KOTN	D	100	a	Pine Bluff, Ark.	B. J. Parrish, Mgr.
KOVC	...	250	a	Valley City, N. Dak.	Mark C. Crandall, Mgr.
KPAB	...	250	a	Laredo, Texas	Mervel M. Valentine
KPLC	...	250	a	Lake Charles, La.	C. R. Porter, Mgr.
KPLT	...	250	a	Paris, Texas	J. Bert Mitchell, Mgr.
KPQ	M	250	a	Wenatchee, Wash.	Cole E. Wylie, Mgr.
KRNR	M	100(.25)	a	Roseburg, Ore.	Justin B. Toles, Mgr.
KROD	P	250	z	El Paso, Texas	Dorrence D. Roderick
KSAL	XZ	100(.25)	z	Salina, Kans.	A. E. Crockett, Mgr.
KTOH	P	100(.25)	z	Lihue, Hawaii	C. J. Fern, Jr.
KUTA	N	250	a	Salt Lake City, Utah	Frank C. Carman, Mgr.
KVOE	M	100	a	Santa Ana, Calif.	Ernest L. Spencer, Mgr.
KVWC	...	250	z	Vernon, Texas	Mrs. C. C. Minyard, Sec'y.
KWEW	...	100	a	Hobbs, N. Mex.	W. E. Whitmore
KXO	M	100	a	El Centro, Calif.	F. M. Bowles, Mgr.
KYCA	P	100(.25)	z	Prescott, Ariz.	....
KYSM	EN	250	a	Mankato, Minn.	H. Kimberly, Ch. Eng.
WCNW	2	100(.25)	a	Brooklyn, N. Y.	Arthur Faske
WDAN	...	250	a	Danville, Ill.	Perry W. Esten, Ch. Eng.
WDNC	C	250	a	Durham, N. C.	....
WGAL	N	250	a	Lancaster, Pa.	....
WGIL		250	a	Galesburg, Ill.	Paul Kalbfleisch, Ass't Eng.
WGKV	N	100	z	Charleston, W. Va.	....
WGTC	DP	250	z	Greenville, N. C.	....
WHBB	...	100	a	Selma, Ala.	....
WJBK	...	250	a	Detroit, Mich.	Winifred Powers
WKAT	...	250	z	Miami Beach, Fla.	Russell Bennet
WKBB	C	250	a	Dubuque, Iowa	L. Carlson, Eng. Dept.

WKBV	...	100(.25)	a	Richmond, Ind.	....
WKBZ	...	250	a	Muskegon, Mich.	....
WKEU	D	100	a	Griffin, Ga.	....
WKNY	DX	100	a	Kingston, N. Y.	....
WMEX	XZ	100..25)	a	Boston, Mass.	....
WMJM	P	100(.25)	z	Cordele, Ga.	....
WMOG	P	100(.25)	z	Brunswick, Ga.	....
WNBF	C	250	a	Binghamton, N. Y.	....
WNLC	M	100	a	New London, Conn.	....
WOLF	P	100	z	Syracuse, N. Y.	....
WOMI	...	250	a	Owensboro, Ky.	....
WOPI	...	250	a	Bristol, Tenn.	....
WRDW	C	250	a	Augusta, Ga.	....
WRGA	...	250	a	Rome, Ga.	....
WRTD	BXZ	100	a	Richmond, Va.	David Bain, Ch. Eng.
WSTP	M	250	a	Salisbury, N. C.	James R. Yost, Ch. Eng.
WSYB	M	250	a	Rutland, Vt.	....
WTMC	...	100	z	Ocala, Fla.	....
WTMV	...	250	a	E. St. Louis, Ill.	F. S. Liggett, Ch. Eng.
WWRL	2	100(.25)	a	Woodside, N. Y.	....
WWSW	...	250	a	Pittsburgh, Pa.	....
XEQK	...	400	z	Mexico City, D. F.	
....	P	100(.25)	z	Erie, Pa.	

1510 kcs. (198.6 m.)

CFRC	F	100	a	Kingston, Ont.	H. H. Stewart, Ch. Eng
CKCR	...	100	a	Waterloo, Ont.	G. Liddle

1520 kcs. (197.3 m.)

TGW	...	5000	e	Guatemala City, Guat.	L. Schlesinger Carrera, Dir.

1530 kcs. (196 m.)

CMC	...	200	z	Havana, Cuba	....
KITE	...	1000	a	Kansas City, Mo.	Pete Houck, Eng.
WBRY	CM	1000	a	Waterbury, Conn.	S. E. Warner, Ch. Eng.
....	P	1000	z	Akron, Ohio	....

1550 kcs. (193.4 m.)

KPMC	M	1000	a	Bakersfield, Calif.	L. A. Schamblin, Mgr.
WQXR	X	1000	a	New York, N. Y.	Russell Valentine, Ch. Eng.

1560 kcs. (112.2 m.)

CMBF	...	5000	z	Havana, Cuba	J P. Malvido, Dir.

1580 kcs. (189.8 m.)

CMRT	...	200	z	Guines, Cuba	Raul Torres Pardal

1600 kcs. (187.4 m.)

CMBH	...	5000	e	Havana, Cuba	Alberto Alvarez Ferrera

KVIC Victoria, had their dedication program on New Year's day, they came in here quite well in the daytime, but QRM on that channel gets them down about 5 P. M. . . . KNOW Austin, has increased power to 250 watts and are heard with a surprising punch (Patt Webb, San Antonio, Teas).

KFYR, in a letter signed Maewin Clough DX announcer, has a very neat stamp, tower, transmiter building and letters in gold on black background, also enclosed folder of staff and information. (Bee Catalano, Chicago, Ill. R 1404).

KWTN on 1210 kcs. Watertown, S. Dak. is deleted, 2nd a new station KWAT in that city is under construction. Will begin operations about Feb. 1st Mr. Brimble is manager. With a 208 ft. vertical tower, they will operate with 250 watts. (Merlin Steen, Decorah, Iowa and Lee Grossman Rochester, N. Y.)

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

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

ALABAMA

Anniston
WHMA 1420
Birmingham
WAPI 1140
WBRC 930
WSGN 1210
Decatur
WMSL 1370
Dothan
WAGF 1370
Gadsden
WJBY 1310
Huntsville
WBHP 1300
Mobile
WALA 1330
WMOB 1300
Montgomery
WCOV 1210
WSFA 1410
Selma
WHBB 1500
Muscle Shoals City
WMSD 1420
Tuscaloosa
WJRD 1300

ALASKA

Anchorage
KFQD 780
Fairbanks
KFAR 610
Juneau
KINY 1430
Ketchikan
KGBU 900

ARIZONA

Globe
KWJB 1210
Jerome
KCRJ 1310
Lowell
KSUN 1200
Phoenix
KOY 1390
KTAR 620
Prescott
KYCA 1500
Safford
KGLU 1420
Tucson
KTUC 1370
KVOA 1360
Yuma
KYUM 1210

ARKANSAS

Blytheville
KLCN 1390
El Dorado
KELD 1370
Fort Smith
KFPW 1210
Hot Springs
KTHS 1060
KWFC 1310
Jonesboro
KBTM 1200
Little Rock
KARK 890
KGHI 1200
KLRA 1390
Pine Bluff
KOTN 1500
Siloam Springs
KUOA 1260

CALIFORNIA

Bakersfield
KERN 1370
KPMC 1550
Berkeley
KRE 1370
Beverly Hills
KMPC 710
Chico
KHSL 1260
El Centro
KXO 1500
Eureka
KIEM 1450
Fresno
KARM 1310
KMJ 580
Glendale
KIEV 850
Long Beach
KFOX 1250
KGER 1360
Los Angeles
KECA 780
KFAC 1500
KFI 640
KFSG 1120
KFVD 1000
KFWB 950
KGFJ 1200
KHJ 900
KMTR 570
KNX 1050
KRKD 1120
Merced
KYOS 1040
Modesto
KTRB 740
Monterey
KDON 1210
Oakland
KLS 1230
KLX 880
KROW 930
Pasadena
KPPC 1210
Redding
KVCV 1200
Sacramento
KFBK 1490
KROY 1210
San Bernardino
KFXM 1210
San Diego
KFSD 600
KGB 1350
San Francisco
KFRC 610
KGO 790
KJBS 1070
KPO 680
KSAN 1470
KSFO 560
KYA 1220
San Jose
KQW 1010
San Luis Obispo
KVEC 1200
Santa Ana
KVOE 1500
Santa Barbara
KDB 1500
KTMS 1220
Santa Rosa
KSRO 1310
Stockton
KGDM 1100
KWG 1200
Visalia
KTKC 890
Watsonville
KHUB 1310

COLORADO

Alamosa
KGIW 1420
Colorado Springs
KVOR 1270
Denver
KFEL 920
KLZ 560
KMYR 1310
KOA 850
KPOF 880
KVOD 630
Durango
KIUP 1370
Grand Junction
KFXJ 1200
Greeley
KFKA 880
La Junta
KOKO 1370
Lamar
KIDW 1420
Pueblo
KGHF 1320
Sterling
KGEK 1200

CONNECTICUT

Bridgeport
WICC 600
Hartford
WDRC 1330
WTIC 1040
WTHT 1300
New Britain
WNBC 1380
New Haven
WELI 930
New London
WNLC 1500
Waterbury
WATR 1290
WBRY 1530

DELAWARE

Wilmington
WDEL 1120
WILM 1420

DISTRICT OF COLUMBIA

Washington
WJSV 1460
WMAL 630
WOL 1250
WRC 950

FLORIDA

Daytona Beach
WMFJ 1420
Ft. Lauderdale
WFTL 1370
Ft. Myers
WFTM 1210
Gainesville
WRUF 850
Jacksonville
WJAX 900
WJHP 1290
WMBR 1370
Lakeland
WLAK 1310
Miami
WIOD 610
WMBF 610
WQAM 560
Miami Beach
WKAT 1500
Ocala
WTMC 1500
Orlando
WDBO 580
Panama City
WDLP 1200
Pensacola
WCOA 1340
St. Augustine
WFOY 1310
St. Petersburg
WSUN 620
WTSP 1370
Sarasota
WSPB 1420
Tallahassee
WTAL 1310
Tampa
WDAE 1220
WFLA 620
WestPalmBeach
WJNO 1200

GEORGIA

Albany
WGPC 1420
Athens
WGAU 1310
Atlanta
WAGA 1450
WATL 1370
WMBI 1050
WGST 890
WSB 740
Augusta
WRDW 1500
Brunswick
WMOG 1500
Columbus
WRBL 1260
Cordele
WMJM 1500
Griffin
WKEU 1500
Macon
WMAC 1130
Moultrie
WMGA 1370
Rome
WBGA 1500
Savannah
WSAV 1310
WTOC 1260
Thomasville
WPAX 1210
Waycross
WAYX 1200

HAWAII

Hilo
KHBC 1200
Honolulu
KGMB 1320
KGU 750
Lihue
KTOH 1500

IDAHO

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

ILLINOIS

Aurora
WMRO 1250
Bloomington
WJBC 1200
Carthage
WCAZ 1070
Champaign
WDWS 1370
Chicago
WAAF 920
WBBM 770
WCBD 1000
WCFL 970
WCRW 1210

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

WEDC 1210
WENR 870
WGES 1360
WGN 720
WJJD 1130
WLS 870
WMAQ 670
WMBI 1080
WSBC 1210
Cicero
WHFC 1420
Danville
WDAN 1500
Decatur
WSOY 1310
East St. Louis
WTMV 1500
Galesburg
WGIL 1500
Harrisburg
WEBQ 1210
Herrin
WJPF 1310
Joliet
WCLS 1310
Peoria
WMBD 1440
Quincy
WTAD 900
Rockford
WROK 1410
Rock Island
WHBF 1240
Springfield
WCBS 1420
WTAX 1210
Tuscola
WDZ 1020
Urbana
WILL 580

INDIANA

Anderson
WHBU 1210
Elkhart
WTRC 1310
Evansville
WEOA 1370
WGBF 380
Fort Wayne
WGL 1370
WOWO 1160
Gary
WIND 560
Hammond
WHIP 1480
WWAE 1200
Indianapolis
WFBM 1230
WIBC 1050
WIRE 1400
Muncie
WLBC 1310
New Albany
WGBC 1370
Richmond
WKBV 1500
South Bend
WFAM 1200
WSBT 1360
Terre Haute
WBOW 1200
Vincennes
WAOV 1420
West Lafayette
WBAA 890

IOWA

Ames
WOI 640
Boone
KFGQ 1370
Cedar Rapids
WMT 600
Davenport
WOC 1370
Decorah
KGCA 1270
KWLC 1270
Des Moines
KRNT 1320
KSO 1430
WHO 1000
Dubuque
KDTH 1340
WKBB 1500
Fort Dodge
KVFD 1370
Iowa City
WSUI 880
Marshalltown
KFJB 1200
Mason City
KGLO 1210
Shenandoah
KFNF 890
KMA 960
Sioux City
KSCJ 1330
KTRI 1420

KANSAS

Abilene
KFBI 1050
Atchison
KVAK 1420
Coffeyville
KGGF 1010
Dodge City
KGNO 1340
Emporia
KTSW 1370
Garden City
KIUL 1210
Great Bend
KVGB 1370
Hutchinson
KWBG 1420
Kansas City
KCKN 1310
Lawrence
KFKU 1220
WREN 1220
Manhattan
KSAC 580
Pittsburg
KOAM 790
Salina
KSAL 1500
Topeka
WIBW 580
Wichita
KANS 1310
KFH 1300

KENTUCKY

Ashland
WCMI 1310
Bowling Green
WBLJ 1210
Hopkinsville
WHOP 1200
Lexington
WLAP 1420
Louisville
WAVE 940
WHAS 820
WINN 1210
Owensboro
WOMI 1500
Paducah
WPAD 1420

LOUISIANA

Alexandria
KALB 1210
Baton Rouge
WJBO 1120
Lafayette
KVOL 1310
Lake Charles
KPLC 1500
Monroe
KMLB 1200
New Orleans
WDSU 1250
WJBW 1200
WNOE 1420
WSMB 1220
WWL 850
Shreveport
KRMD 1310
KTBS 1450
KWKH 1100

MAINE

Augusta
WRDO 1370
Bangor
WABI 1300
WLBZ 620
Lewiston
WCOU 1210
Portland
WCSH 940
WGAN 640
Presque Isle
WAGM 1420

MARYLAND

Baltimore
WBAL 760
WBAL 1060
WCAO 600
WCBM 1370
WFBR 1270
Cumberland
WTBO 800
Frederick
WFMD 900
Hagerstown
WJEJ 1210

MASSACHUSETTS

Boston
WAAB 1410
WBZ 990
WCOP 1120
WEEI 590
WHDH 830
WMEX 1500
WNAC 1230
WORL 920
Fall River
WSAR 1450
Greenfield
WHAI 1210
Hyannis
WOCB 1210
Lawrence
WLAW 680
WLLH 1370
Lowell
WLLH 1370
New Bedford
WNLH 1310
Pittsfield
WBRK 1210
Salem
WESX 1200
Springfield
WBZA 990
WMAS 1420
WSPR 1140
Worcester
WORC 1280
WTAG 580

MICHIGAN

Battle Creek
WELL 1420
Bay City
WBCM 1410
Calumet
WHDF 1370
Detroit
WJBK 1500
WJR 750
WMBC 1420
WWJ 920
WXYZ 1240
East Lansing
WKAR 850
Flint
WFDF 1310
Grand Rapids
WASH 1270
WOOD 1270
Ironwood
WJMS 1420
Jackson
WIBM 1370
Kalamazoo
WKZO 590
Lansing
WJIM 1210
Lapeer
WMPC 1300
Marquette
WDMJ 1310
Muskegon
WKBZ 1500
Pontiac
WCAR 1100
Port Huron
WHLS 1370
Royal Oak
WEXL 1310
Saginaw
WHAL 950
WSAM 1300
Sault Ste. Marie
WSOO 1200

MINNESOTA

Albert Lea
KATE 1420
Duluth
KDAL 1500
WEBC 1290
Fergus Falls
KGDE 1200
Hibbing
WMFG 1210
Mankato
KYSM 1500
Minneapolis
WCCO 810
WDGY 1180
WLB 760
WTCN 1250
Moorhead
KVOX 1310
Northfield
WCAL 760
Rochester
KROC 1310
St. Cloud
KFAM 1420
St. Paul
KSTP 1450
WMIN 1370
Virginia
WHLB 1370
Winona
KWNO 1200

MISSISSIPPI

Greenville
WJPR 1310
Grenada
WGRM 1210
Gulfport
WGCM 1210
Hattiesburg
WFOR 1370
Jackson
WJDX 1370
WSLI 1420
Laurel
WAML 1310
McComb
WSKB 1200
Meridian
WCOC 880
Vicksburg
WQBC 1360

MISSOURI

Cape Girardeau
KFVS 1370
Columbia
KFBU 630
Jefferson City
KWOS 1310
Joplin
WMBH 1420
Kansas City
KCMO 1450
KITE 1520
KMBC 950
WDAF 610
WHB 860
Poplar Bluff
KWOC 1210

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

St. Joseph
KFEQ 680
St. Louis
KFUO 550
KMOX 1090
KSD 550
KWK 1350
KXOK 1250
WEW 760
WIL 1200
Sedalia
KDRO 1500
Springfield
KGBX 1230
KWTO 560

MONTANA

Billings
KGHL 780
Bozeman
KRBM 1420
Butte
KGIR 1340
Great Falls
KFBB 1280
Helena
KPFA 1210
Kalispell
KGEZ 1210
Missoula
KGVO 1280
Wolf Point
KGCX 1450

NEBRASKA

Fremont
KOBN 1370
Grand Island
KMMJ 740
Hastings
KHAS 1200
Kearney
KGFW 1210
Lincoln
KFAB 770
KFOR 1210
Norfolk
WJAG 1060
North Platte
KGNF 1430
Omaha
KOIL 1260
KOWH 660
WOW 590
Scottsbluff
KGKY 1500

NEVADA

Reno
KOH 1380

NEW HAMPSHIRE

Laconia
WLNH 1310
Manchester
WFEA 1340
Portsmouth
WHEB 740

NEW JERSEY

Asbury Park
WCAP 1280
Atlantic City
WBAB 1300
WPG 1100
Bridgeton
WSNJ 1210
Camden
WCAM 1280
Jersey City
WAAT 940
WHOM 1450
Newark
WHBI 1250
WOR 710
Red Bank
WBBB 1210
Trenton
WTNJ 1290
Zarephath
WAWZ 1350

NEW MEXICO

Albuquerque
KGGM 1230
KOB 1180
Carlsbad
KLAH 1210
Clovis
KICA 1370
Gallup
KAWM 1500
Hobbs
KWEW 1500
Roswell
KGFL 1370
Santa Fe
KVSF 1210

NEW YORK

Albany
WABY 1370
WOKO 1430
Auburn
WMBO 1210
Binghamton
WNBF 1500
Brooklyn
WARD 1400
WBBC 1400
WBBR 1300
WCNW 1500
WVFW 1400
Buffalo
WBEN 900
WBNY 1370
WEBR 1210
WGR 550
WKBW 1480
WSVS 1370
Canton
WCAD 1220
Elmira
WENY 1200
WESG 850
Freeport
WGBB 1210
Jamestown
WJTN 1210
Newburgh
WGNY 1220
New York
WABC 860
WBIL 1100
WHNX 1250
WBOQ 860
WEAF 660
WEVD 1300
WHN 1010
WINS 1120
WJZ 760
WLTH 1400
WMCA 570
WNEW 1250
WNYC 810
WOV 1120
WQXR 1550
Niagara Falls
WHLD 1260
Ogdensburg
WSLB 1370
Olean
WHDL 1400
Plattsburg
WMFF 1210
Poughkeepsie
WKIP 1420
Rochester
WHAM 1150
WHEC 1430
WSAY 1210
Saranac Lake
WNBZ 1290
Schenectady
WGY 790
Syracuse
WFBL 1360
WOLF 1500
WSYR 570
WSYU 570
Troy
WHAZ 1300
WTRY 950
Utica
WIBX 1200
Ulster Twp.
WKNY 1500
White Plains
WFAS 1210
Woodside
WWRL 1500

NORTH CAROLINA

Asheville
WISE 1370
WWNC 570
Charlotte
WBT 1080
WBOC 1210
Durham
WDNC 1500
Elizabeth City
WCNC 1370
Fayetteville
WFNC 1340
Gastonia
WGNC 1420
Goldsboro
WGBR 1370
Greensboro
WBIG 1440
Greenville
WCTC 1500
Hickory
WHKY 1370
High Point
WMFR 1300
Kinston
WFTC 1300
Raleigh
WPTF 680
WRAL 1310
Rocky Mount
WEED 1430
Salisbury
WSTP 1500
Wilmington
WMFD 1370
Wilson
WGTM 1310
Winston-Salem
WAIR 1250
WSJS 1310

NORTH DAKOTA

Bismarck
KFYR 550
Devils Lake
KDLR 1210
Fargo
WDAY 940
Grand Forks
KFJM 1410
Jamestown
KRMC 1370
Mandan
KGCU 1240
Minot
KLPM 1360
Valley City
KOVC 1500

OHIO

Akron
WADC 1330
WJW 1210
Ashtabula
WICA 940
Canton
WHBC 1200
Cincinnati
WCKY 1490
WCPO 1300
WKRC 550
WLW 700
WSAI 1330
WSKO 700
Cleveland
WCLE 610
WGAR 1450
WHK 1390
WTAM 1070
Columbus
WBNS 1430
WCOL 1210
WHKC 640
WOSU 570
Dayton
WHIO 1260
WING 1330
Lima
WLOK 1210
Mansfield
WMAN 1370
Portsmouth
WPAY 1370
Toledo
WSPD 1340
WTOL 1200
Youngstown
WFMJ 1420
WKBN 570
Zanesville
WHIZ 1210

OKLAHOMA

Ada
KADA 1290
Ardmore
KVSO 1210
Elk City
KASA 1210
Enid
KCRC 1300
Muskogee
KBIX 1500
Norman
WNAD 1010
Oklahoma City
KOCY 1210
KOMA 1490
KTOK 1370
WKY 900
Okmulgee
KHBG 1210
Ponca City
WBBZ 1300
Shawnee
KGFF 1420
Tulsa
KOME 1210
KTUL 1400
KVOO 1140

OREGON

Astoria
KAST 1300
Baker
KBKR 1500
Bend
KBND 1210
Corvallis
KOAC 550
Eugene
KORE 1420
Grants Pass
KUIN 1210
Klamath Falls
KFJI 1210
La Grande
KLBM 1420
Marshfield
KOOS 1300
Medford
KMED 1410
Portland
KALE 1300
KBPS 1420
KEX 1160
KGW 620
KOIN 940
KWJJ 1040
KXL 1420
Roseburg
KRNR 1500
Salem
KSLM 1360

Pennsylvania

Allentown
WCBA 1440
WSAN 1440
Altoona
WFBG 1210
Easton
WEST 1200

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Erie
WLEU 1420
Glenside
WIBG 970
Greensburg
WHJB 620
Grove City
WSAJ 1310
Harrisburg
WHP 1430
WKBO 1300
Hazelton
WAZL 1420
Johnstown
WJAC 1370
Lancaster
WGAL 1500
New Castle
WKST 1250
Philadelphia
KYW 1020
WCAU 1170
WDAS 1370
WFIL 560
WHAT 1310
WIP 610
WPEN 920
WTEL 1210
Pittsburgh
KDKA 980
KQV 1280
WCAE 1220
WJAS 1290
WWSW 1500
Reading
WEEU 830
WRAW 1310
Scranton
WGBI 880
WQAN 880
Sharon
WFIC 780
Sunbury
WKOK 1210
Uniontown
WMBS 1420
Wilkes-Barre
WBAX 1210
WBRE 1310
Williamsport
WRAK 1270
York
WORK 1320

PUERTO RICO

Mayaguez
WPRA 1370
Ponce
WPAB 1340
WPRP 1430
San Juan
WKAQ 1240
WNEL 1390

RHODE ISLAND

Providence
WEAN 780
WJAR 890
WPRO 630

SOUTH CAROLINA

Anderson
WAIM 1300
Charleston
WCSC 1260
WTMA 1210
Columbia
WCOS 1270
WIS 560
Florence
WOLS 1300
Greenville
WFBC 1300
Spartanburg
WORD 1370
WSPA 920
Sumter
WFIG 1310

SOUTH DAKOTA

Aberdeen
KABR 1290
Brookings
KFDY 750
Pierre
KGFX 630
Rapid City
KOBH 1270
WCAT 1300
Sioux Falls
KELO 1300
KSOO 1110
Vermillion
KUSD 890
Watertown
KWAT 1210
Yankton
WNAX 570

TENNESSEE

Bristol
WOPI 1500
Chattanooga
WAPO 1420
WDOD 1280
Cookeville
WHUB 1370
Jackson
WTJS 1310
Johnson City
WJHL 1300
Knoxville
WNOX 1010
WROL 1210
Memphis
WHBQ 1370
WMC 790
WMPS 1430
WREC 600
Nashville
WLAC 1470
WSIX 1210
WSM 650

TEXAS

Abilene
KRBC 1420
Amarillo
KFDA 1500
KGNC 1410
Austin
KNOW 1500
Beaumont
KFDM 560
KRIC 1420
Big Spring
KBST 1500
Brady
KNEL 1500
Brownsville
KGFI 1500
College Station
WTAW 1150
Corpus Christi
KRIS 1230
Dallas
KRLD 1040
WFAA 800
WBE 1280
Denton
KDNT 1420
Dublin
KFPL 1310
El Paso
KROD 1500
KTSM 1210
WDAH 1210
Fort Worth
KFJZ 1240
KGKO 570
WBAP 800
Galveston
KLUF 1370
Houston
KPRC 920
KTRH 1290
KXYZ 1440
Kilgore
KOCA 1210
Laredo
KPAB 1500
Longview
KFRO 1370
Lubbock
KFYO 1310
Midland
KRLH 1420
Pampa
KPDN 1310
Paris
KPLT 1500
Pecos
KIUN 1370
Plainview
KWBD 1200
Port Arthur
KPAC 1220
San Angelo
KGKL 1370
San Antonio
KABC 1420
KMAC 1370
KONO 1370
KTSA 550
WOAI 1190
Sherman
KRBV 1310
Sweetwater
KXOX 1210
Temple
[illegible] FIELD
Texarkana
KCMC 1420
Vernon
KVWC 1500
Victoria
KVIC 1310
Waco
WACO 1420
Weslaco
KRGV 1260
Wichita Falls
KWFT 620

UTAH

Cedar City
KSUB 1310
Logan
KVNU 1300
Ogden
KLO 1400
Price
KEUB 1420
Provo
KOVO 1210
Salt Lake City
KDYL 1290
KSL 1130
KUTA 1500

VERMONT

Burlington
WCAX 1200
Rutland
WSYB 1500
St. Albans
WQDM 1390
Springfield
WNBX 1260
Waterbury
WDEV 550

VIRGINIA

Charlottesville
WCHV 1420
Danville
WBTM 1370
Fredericksburg
WFVA 1260
Harrisonburg
WSVA 550
Lynchburg
WLVA 1300
Newport News
WGH 1310
Norfolk
WTAR 780
Petersburg
WPID 1210
Richmond
WBBL 1210
WMBG 1350
WRNL 880
WRTD 1500
WRVA 1110
Roanoke
WDBJ 930
Suffolk
WLPM 1420

WASHINGTON

Aberdeen
KXRO 1210
Bellingham
KVOS 1200
Centralia
KELA 1440
Everett
KRKO 1370
Longview
KWLK 750
Olympia
KGY 1210
Pullman
KWSC 1250
Seattle
KEEN 1370
KIRO 710
KJR 970
KOL 1370
KOMO 920
KRSC 1150
KTW 1220
KXA 760
Spokane
KFIO 1150
KFPY 890
KGA 1470
KHQ 590
Tacoma
KMO 1330
KVI 570
Vancouver
KVAN 880
Walla Walla
KUJ 1370
Wenatchee
KPQ 1500
Yakima
KIT 1250

WEST VIRGINIA

Beckley
WJLS 1210
Bluefield
WHIS 1410
Charleston
WCHS 580
WGKV 1500
Clarksburg
WBLK 1370
Fairmont
WMMN 890
Huntington
WSAZ 1190
Parkersburg
WPAR 1420
Wheeling
WWVA 1160
Williamson
WBTH 1370

WISCONSIN

Appleton
WHBY 1300
Ashland
WATA 1370
Eau Claire
WEAU 1050
Fond du Lac
KFIZ 1420
Green Bay
WTAQ 1330

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Janesville
WCLO 1300
LaCrosse
WKBH 1380
Madison
WHA 940
WIBA 1280
Manitowoc
WOMT 1210
Marinette
WMAM 570
Milwaukee
WEMP 1310
WISN 1120
WTMJ 620
Peynette
WIBU 1210
Racine
WRJN 1370
Rice Lake
WJMC 1210
Sheboygan
WHBL 1300
Stevens Point
WLBL 900
Superior
WDSM 1300
Wausau
WSAU 1370

WYOMING

Casper
KDFN 1440
Rock Springs
KVRS 1370
Sheridan
KWYO 1370

BAHAMAS

Nassau
ZNS 790

CANADA ALBERTA

Calgary
CFAC 960
CFCN 1030
CJCJ 690
Edmonton
CFRN 960
CJCA 750
CKUA 580
Grande Prairie
CFGP 1290
Lethbridge
CJOC 1210

BRITISH COLUMBIA

Chilliwack
CHWK 750
Kamloops
CFJC 580
Kelowna
CKOV 630
Nelson
CKLN 1420
Prince Rupert
CFPR 850
Trail
CJAT 910
Vancouver
CBR 1160
CJOR 600
CKCD 1010
CKPC 1410
CKMO 1410
CKWX 1010
Victoria
CFCT 1450

MANITOBA

Brandon
CKX 1120
Flin Flon
CFAR 1370
Winnipeg
CJRC 630
CKY 910

NEW BRUNSWICK

Campbellton
CKNB 1210
Fredericton
CFNB 550
Moncton
CKCW 1370
Sackville
CBA 1050
St. John
CHSJ 1120

NOVA SCOTIA

Glace Bay
VAS 685
Halifax
CHNS 920
Sydney
CJCB 1240
Wolfville
CKIC 1010
Yarmouth
CJLS 1210

ONTARIO

Brantford
CKPC 920
Chatham
CFCO 630
Cobalt
CKMC 1210
Fort William
CKPR 580
Hamilton
CHML 1010
CKOC 1120
Kenora
CKCA 1420
Kingston
CFEC 1510
Kirkland Lake
CJKL 1210
London
CFPL 730
North Bay
CFCH 920
Ottawa
CBO 830
CKCO 1010
Owen Sound
CFOS 1370
Prescott
CFLC 630
St. Catharines
CKTB 1300
Sault Ste. Marie
CJIC 1500
Stratford
CJCS 1210
Sudbury
CKSO 730
Timmins
CKGB 1440
Toronto
CBL 540
CBY 1430
CFRB 690
CKCL 580
Waterloo
CKCR 1510
Windsor
CKLW 1030
Wingham
CKNX 1300

PRINCE EDWARD ISLAND

Charlottetown
CFCY 630
CHCK 1310
Summerside
CHGS 1450

QUEBEC

Chicoutimi
CBJ 1120
Hull
CKCH 1210
Montreal
CBF 910
CBM 940
CFCF 600
CHLP 1130
CKAC 730
New Carlisle
CHNC 610
Quebec
CHRC 580
CKCV 1310
CBV 960
Rimouski
CJBR 1030
Rouyn
CKRN 1370
St. Anne de la Pocatiere
CHGB 1300
Sherbrooke
CHLT 1310
Three Rivers
CHLN 1430
Val d'Or
CKVD 1300

SASKATCHEWAN

Moose Jaw
CHAB 1300
Prince Albert
CKBI 1210
Regina
CJRM 980
CKCK 1010
Saskatoon
CFQC 600
Watrous
CBK 540
Yorkton
CJGX 1430

COSTA RICA

Alajuela
TI5CV 575
San Jose
TIAFB 900
TIEMC 860
TIEP 820
TIFA 1000
TIGH 690
TIGPH 600
TIGPH2 1225
TIHO 1030
TILJ 775
TILS 830
TINBC 1070
TING 750
TIOS 940
TIPG 625
TIRCC 1200
TIRS 920
TIXD 800

CUBA

Banes
CMKX 1190
Bayamo
CMKL 950
Caibarien
CMHD 1370
Camaguey
CMJA 860
CMJC 1290
CMJE 1320
CMJF 920
CMJK 1020
CMJW 1070
CMJX 660
Cardenas
CMGE 1370
Ciego de Avila
CMJH 1260
CMJI 1120
CMJO 1260
Cienfuegos
CMHJ 1160
CMHM 1450
CMHX 1420
Cruces
CMHK 1210
Guantanamo
CMKS 710
Guines
CMBET 1520
Havana
CMBC 600
CMBD 1200
CMBF 1500
CMBG 1140
CMBH 1000
CMBL 750
CMBQ 910
CMBS 1170
CMBX 1050
CMBY 1440
CMBZ 940
CMC 1520
CMCA 1250
CMCB 1220
CMCD 630
CMCF 810
CMCG 1200
CMCH 1000
CMCJ 1110
CMCK 970
CMCL 720
CMCM 850
CMCO 1200
CMCQ 1410
CMCU 1010
CMCB 1320
CMCW 1350
CMCX 1470
CMCY 570
CMK 720
CMOA 600
CMOX 1300
CMQ 780
CMW 550
CMX 830
CMZ 920
Holguin
CMKF 1400
CMKO 1280
Manzanillo
CMKE 1210
CMKM 1000
Matanzas
CMGF 1120
CMGH 710
Moron
CMJP 1420
Palma Soriano
CMKE 1420
Pinar del Rio
CMAB 1240
CMAR 1400
Placetas
CMHP 1100
Sagua la Grande
CMHA 1000
CMHO 1020
Sancti Spiritus
CMHB 1240
Santa Clara
CMHI 820
CMHW 960
Santiago
CMKC 1250
CMKD 910
CMKG 1000
CMKQ 1490
CMKE 1400
CMKW 1030
CMKY 960
Trinidad
CMHT 620

DOMINICAN REPUBLIC

Ciudad Trujillo
HIG 900
HIN 1000
HIX 900
HIT 1000
HIZ 1370
HI8Q 1470

EL SALVADOR

San Salvador
YSS 640

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

GUATEMALA

Guatemala City
TGW 1520
TGX 1400
TGI 1210
Quezaltenango
TGQ 1450

HONDURAS

Tegucigalpa
HRN 1450

MEXICO

Aguascalientes

Aguascalientes
XEAD 1240
XEBI 1090

BAJA CALIFORNIA

Mexicali
XEAA 750
XBAO 660
XECL 1110
Tijuana
XEAC 980
XEAU 1310
XEBG 820
XEC 1150
XELO 670
XEMO 860
XERB 1090

CAMPECHE

Campeche
XEA 1400

CHIHUAHUA

Chihuahua
XEBU 1240
XEBW 1340
XEFI 1440
XEM 1390
Juarez
XEF 1450
XEFV 1210
XEJ 1020
XEP 1160
Parral
XEAT 1210

COAHUILA

Piedras Negras
XEMU 580
XEPN 730
Sabinas
XEBX 640
Saltillo
XEAS 1160
XEKS 1340
Torreon
XEDE 1400
XETB 1310
Villa Acuna
XEDH 1340
XERA 840

DISTRITO FEDERAL

Mexico City
XEAI 1250
XEB 1030
XEBS 1340
XEBZ 810
XEDA 1220
XEDP 1080
XEFO 940
XEJP 1130
XEK 990
XEKR 1280
XEL 1150
XELZ 1370
XEN 730
XEQ 730
XEQK 1500
XERC 830
XERH 1430
XESM 1270
XEW 890
XEXX 1170

DURANGO

Durango
XEBP 1150
XEE 1310

GUANAJUATO

Irapuato
XEBO 1310
Leon
XEFM 1160
XEKL 1240
Silao
XEWE 720

JALISCO

Guadalajara
XED 1100
XEHK 1230
XELW 1340
Guzman
XEBA 1080

MEXICO

Toxcoco
XEXE 1270
Toluca
XECH 1490

MICHOACAN

Morelia
XEBC 1240
XEI 1370

NUEVO LEON

Monterrey
XEFB 870
XEG 1230
XEH 740
XET 690
XEX 1310

OAXACA

Oaxaca
XEXH 1150

PUEBLA

Puebla
XETH 1210

SAN LUIS POTOSI

San Luis Potosi
XECZ 1270

SINALOA

Mazatlan
XEBL 1230
XEDS 1400

SONORA

Cananea
XEFQ 1010
Guaymas
XEDR 1490
Hermosillo
XEBH 820
Navojoa
XEAJ 1400
XEDL 1240
Nogales
XEAF 990
Obregon
XEAP 1340

TAMAULIPAS

Matamoros
XEAM 750
Nuevo Laredo
XEBK 1030
XEDF 810
XEFE 960
XENT 910
Reynosa
XEAW 960
Tampico
XECA 1230
XEFW 1310
XES 990
Victoria
XEBJ 1340

VERACRUZ

Cordoba
XEAG 1310
XECW 1240
Jalapa
XEXB 1270
Minatitlan
XEDW 1150
Veracruz
XETF 1230
XEU 1010

YUCATAN

Merida
XEFC 1340
XEME 1340
XEZ 620

MIQUELON

St. Pierre
FQN 609

NEWFOUNDLAND

St. John's
VOAC 1065
VOAR 950
VOCM 1040
VOGY 940
VONF 640
VOWR 700

PANAMA

Colon
HOK 640

KSAL Salina, Kansas is now on 1120, using 1000 watts daytime and 500 watts nights . . . Addresses of stations. KVAK 622½ Commercial St., Atchinson, Kansas. . . . KVEC Mountain View and Hill Sts. San Luis Obispo, Calif. . . . KVFD, Warden Building, Fort Dodge, Iowa. . . . Following stations do verify; WHOP, KGLO, WJLS, KOME, WFIG, KVFD, KSAD. (Dick Douglas, St. Joseph, Mo.)

W's in the East: WBNX is now using 5000 watts . . . WAWZ in their veri state that they've been heard in New Zealand with their watts. . . By the way what happened to the Transcontinental B. C. system? . . . (Joseph Schwartz, Bronx, N. Y.)

WKNY in Kingston is now on the air and can be heard here. It uses 100 watts power and on 1500 kcs. (Charles Garrison, Tioga Ctr, N. Y.)

KDKA and WWSW are now using their new transmitter towers. KDKA's is 516 ft. while WWSW's is 350 ft. high. . . . WMGA heard several mornings testing new transmiter. . . . WHBU sends a brown ever-sharp pencil with the call letters stamped on it for 25. They verify card. . . . WTMJ verify with a picture of their antenna system with insets of transmitter equipment. (C. R. Bendes, Pittsburgh, Pa. R1132)

WBEO's new call is WDMJ. The call letters mean "Daily Morning Journal" (Frank Susoreny, E. Chicago, Ind, R1421)

NORTH AMERICAN B. C. STATION BY CALL LETTERS

For power and network affiliations, see the list of stations by frequencies.

The space under the call letters may be used for logging or checking.

CBA	1050	CHGB	1200	CKCL	580	CMBL	750	CMHJ	1160	CMBG	1140
CBF	910	CHGS	1450	CKCO	1010	CMBQ	910	CMHK	1210	CMBH	1600
CBJ	1120	CHLN	1420	CKCR	1510	CMBS	1170	CMHM	1450	CMKW	1030
CBK	540	CHLP	1120	CKCV	1310	CMBX	1080	CMHO	1020	CMKX	1190
CBL	840	CHLT	1210	CKCW	1370	CMBY	1440	CMHP	1100	CMKY	960
CBM	960	CHML	1010	CKFC	1410	CMBZ	940	CMHT	920	CMKZ	1430
CBO	880	CHNC	610	CKGB	1440	CMC	1530	CMHW	680	CMOA	660
CBR	1100	CHNS	930	CKIC	1010	CMCA	1350	CMHX	1480	CMOX	1500
CBV	950	CHRC	580	CKLN	1420	CMCB	1230	CMJA	860	CMQ	780
CBY	1420	CHSJ	1120	CKLW	1030	CMCD	630	CMJC	1390	CMW	550
CFAC	930	CHWK	780	CKMC	1210	CMCF	810	CMJE	1230	CMX	880
CFAR	1370	CJAT	910	CKMO	1410	CMCG	1290	CMJF	930	CMZ	920
CFCF	600	CJBR	1030	CKNB	1210	CMCJ	1110	CMJH	1360	CM9RT	1580
CFCH	930	CJCA	730	CKNX	1200	CMCH	1050	CMJI	1130	FQN	609
CFCN	1030	CJCB	1240	CKOC	1120	CMCK	970	CMJK	1020	HIG	900
CFCO	630	CJCJ	690	CKOV	630	CMCL	730	CMJO	1260	HIN	1090
CFCT	1450	CJCS	1210	CKPC	930	CMCM	850	CMJP	1420	HIT	1050
CFCY	630	CJGX	1430	CKPR	580	CMCO	1200	CMJW	1070	HIX	800
CFGP	1200	CJIC	1500	CKRN	1370	CMCQ	1410	CMJX	660	HIZ	1370
CFJC	880	CJKL	1310	CKSO	780	CMCR	1320	CMK	720	HI8Q	1470
CFLC	930	CJLS	1310	CKTB	1200	CMCU	1010	CMKC	1250	HOK	640
CFNB	550	CJOC	1210	CKUA	580	CMCW	1380	CMKD	910	HRN	1450
CFOS	1370	CJOR	600	CKVD	1200	CMCX	1470	CMKE	1310	KABC	1420
CFPL	730	CJRC	630	CKWX	1010	CMCY	590	CMKF	1460	KABR	1390
CFPR	580	CJRM	950	CKX	1120	CMGE	1370	CMKG	1000	KADA	1200
CFQC	600	CKAC	730	CKY	910	CMGF	1120	CMKL	950	KALB	1210
CFRB	690	CKBI	1210	CMAB	1240	CMGH	710	CMKM	1080	KALE	1300
CFRC	1510	CKCA	1420	CMAR	1400	CMHA	1090	CMKO	1280	KANS	1210
CFRN	960	CKCD	1010	CMBC	690	CMHB	1240	CMKQ	1490	KARK	890
CHAB	1200	CKCH	1210	CMBD	1260	CMHD	1270	CMKR	1400	KARM	1310
CHCK	1310	CKCK	1010	CMBF	1560	CMHI	830	CMKS	710	KASA	1210

KAST	1200	KFAM	1420	KFVD	1000	KGKO	570	KJR	970	KOIL	1260
KATE	1420	KFAR	610	KFVS	1370	KGKY	1500	KLAH	1210	KOIN	940
KAWM	1500	KFBB	1280	KFWB	950	KGLO	1210	KLBM	1420	KOKO	1370
KBIX	1500	KFBI	1050	KFXD	1200	KGLU	1420	KLCN	1290	KOL	1270
KBKR	1500	KFBK	1490	KFXJ	1200	KGMB	1320	KLO	1400	KOMA	1480
KBND	1310	KFDA	1500	KFXM	1210	KGNC	1410	KLPM	1360	KOME	1310
KBPS	1420	KFDM	560	KFYO	1310	KGNF	1430	KLRA	1390	KOMO	920
KBST	1500	KFDY	780	KFYR	550	KGNO	1340	KLS	1280	KONO	1370
KBTM	1200	KFEL	920	KGA	1470	KGO	790	KLUF	1370	KOOS	1200
KCKN	1310	KFEQ	680	KGB	1330	KGU	750	KLX	880	KORE	1420
KCMC	1420	KFGQ	1370	KGBU	900	KGVO	1260	KLZ	560	KORN	1370
KCMO	1450	KFH	1300	KGBX	1230	KGW	620	KMA	930	KOTN	1500
KCRC	1360	KFI	640	KGCA	1270	KGY	1210	KMAC	1370	KOVC	1500
KCRJ	1310	KFIO	1120	KGCU	1240	KHAS	1200	KMBC	950	KOVO	1210
KDAL	1500	KFIZ	1420	KGCX	1450	KHBC	1200	KMED	1410	KOWH	660
KDB	1500	KFJB	1200	KGDE	1200	KHBG	1210	KMJ	580	KOY	1390
KDFN	1440	KFJI	1210	KGDM	1100	KHJ	900	KMLB	1200	KPAB	1500
KDKA	980	KFJM	1410	KGEK	1200	KHQ	590	KMMJ	740	KPAC	1220
KDLR	1210	KFJZ	1240	KGER	1360	KHSL	1260	KMO	1330	KPDN	1310
KDNT	1420	KFKA	880	KGEZ	1310	KHUB	1310	KMOX	1090	KPFA	1210
KDON	1210	KFKU	1220	KGFF	1420	KICA	1370	KMPC	710	KPFT	1210
KDRO	1500	KFNF	890	KGFI	1500	KID	1320	KMTR	570	KPLC	1500
KDTH	1340	KFOR	1210	KGFJ	1200	KIDO	1350	KMYR	1310	KPLT	1500
KDYL	1290	KFOX	1250	KGFL	1370	KIDW	1420	KNEL	1500	KPMC	1550
KECA	780	KFPL	1310	KGFW	1310	KIEM	1450	KNOW	1500	KPO	680
KEEN	1370	KFPW	1210	KGFX	630	KIEV	850	KNX	1050	KPOF	880
KELA	1440	KFPY	890	KGGF	1010	KINY	1430	KOA	850	KPPC	1210
KELD	1370	KFQD	780	KGGM	1230	KIRO	710	KOAC	550	KPQ	1500
KELO	1200	KFRC	610	KGHF	1320	KIT	1250	KOAM	790	KPRC	920
KERN	1370	KFRO	1370	KGHI	1200	KITE	1530	KOB	1180	KQV	1380
KEUB	1420	KFRU	630	KGHL	780	KIUL	1210	KOBH	1370	KQW	1010
KEX	1160	KFSD	600	KGIR	1340	KIUN	1370	KOCA	1210	KRBC	1420
KFAB	770	KFSG	1120	KGIW	1420	KIUP	1370	KOCY	1310	KRBM	1420
KFAC	1300	KFUO	550	KGKL	1370	KJBS	1070	KOH	1380	KRE	1370

KRGV	1260	KTBS	1450	KVOL	1310	KXRO	1310	VOGY	840	WBAL	1060
KRIC	1420	KTEM	1370	KVOO	1140	KXYZ	1440	VOAC	1065	WBAP	800
KRIS	1330	KTFI	1240	KVOR	1270	KYA	1230	VOAR	950	WBAX	1210
KRKD	1120	KTHS	1060	KVOS	1200	KYCA	1500	VOWR	700	WBBC	1400
KRKO	1370	KTKC	890	KVOX	1310	KYOS	1040	WAAB	1410	WBBL	1210
KRLC	1390	KTMS	1220	KVRS	1370	KYSM	1500	WAAF	920	WBBM	770
KRLD	1040	KTOH	1500	KVSF	1310	KYUM	1210	WAAT	940	WBBR	1300
KRLH	1420	KTOK	1370	KVSO	1210	KYW	1020	WABC	860	WBBZ	1200
KRMC	1370	KTRB	740	KVWC	1500	TGQ	1450	WABI	1200	WBCM	1410
KRMD	1310	KTRH	1290	KWAL	1420	TGW	1520	WABY	1370	WBEN	900
KRNR	1500	KTRI	1420	KWAT	1210	TGX	1400	WACO	1420	WBHP	1200
KRNT	1320	KTSA	550	KWBD	1200	TG1	1310	WADC	1320	WBIG	1440
KROC	1310	KTSM	1310	KWBG	1420	TIAFB	900	WAGA	1450	WBIL	1100
KROD	1500	KTSW	1370	KWEW	1500	TIEMC	860	WAGF	1370	WBLK	1370
KROW	930	KTUC	1370	KWFC	1310	TIEP	830	WAGM	1420	WBNS	1430
KROY	1210	KTUL	1400	KWFT	620	TIFA	1000	WAIM	1200	WBNX	1350
KRRV	1310	KTW	1220	KWG	1200	TIGH	690	WAIR	1250	WBNY	1370
KRSC	1120	KUIN	1310	KWJB	1210	TIGPH	605	WALA	1380	WBOQ	860
KSAC	580	KUJ	1370	KWJJ	1040	TIGPH2	1225	WAML	1310	WBOW	1200
KSAL	1500	KUOA	1260	KWK	1350	TIHO	1030	WAOV	1420	WBRB	1210
KSAN	1420	KUSD	890	KWKH	1100	TILJ	775	WAPI	1140	WBRC	930
KSCJ	1330	KUTA	1500	KWLC	1270	TILS	880	WAPO	1420	WBRE	1310
KSD	550	KVAK	1420	KWLK	780	TINBC	1070	WARD	1400	WBRK	1310
KSEI	900	KVAN	880	KWNO	1200	TING	750	WASH	1270	WBRY	1580
KSFO	560	KVCV	1200	KWOC	1310	TIOS	940	WATL	1370	WBT	1080
KSL	1130	KVEC	1200	KWOS	1310	TIPG	625	WATR	1290	WBTH	1370
KSLM	1360	KVFD	1370	KWSC	1220	TIRCC	1200	WATW	1370	WBTM	1370
KSO	1430	KVGB	1370	KWTO	560	TIRS	920	WAVE	940	WBZ	990
KSOO	1110	KVI	570	KWYO	1370	TIXD	800	WAWZ	1350	WBZA	990
KSRO	1310	KVIC	1310	KXA	760	TI4NRH	725	WAYX	1200	WCAD	1220
KSTP	1460	KVNU	1200	KXL	1420	TI5CV	575	WAZL	1420	WCAE	1220
KSUB	1310	KVOA	1260	KXO	1500	VAS	685	WBAA	890	WCAL	760
KSUN	1200	KVOD	630	KXOK	1250	VOCM	1040	WBAB	1200	WCAM	1280
KTAR	620	KVOE	1500	KXOX	1210	VONF	640	WBAL	760	WCAO	600

WCAP	1280	WDAH	1310	WESG	850	WGBI	880	WHBY	1200	WIL	1200
WCAR	1100	WDAN	1500	WEST	1200	WGBR	1370	WHDF	1370	WILL	580
WCAT	1200	WDAS	1370	WESX	1200	WGCM	1210	WHDH	830	WILM	1420
WCAU	1170	WDAY	940	WEVD	1310	WGES	1360	WHDL	1400	WIND	560
WCAX	1200	WDBJ	930	WEW	760	WGH	1310	WHEB	740	WING	1380
WCAZ	1070	WDBO	580	WEXL	1310	WGIL	1500	WHEC	1430	WINN	1210
WCBA	1440	WDEL	1120	WFAA	800	WGKV	1500	WHFC	1420	WINS	1180
WCBD	1080	WDEV	550	WFAM	1200	WGL	1370	WHIO	1260	WIOD	610
WCBM	1370	WDGY	1180	WFAS	1210	WGN	720	WHIP	1480	WIP	610
WCBS	1420	WDLP	1200	WFBC	1300	WGNC	1420	WHIS	1410	WIRE	1400
WCCO	810	WDMJ	1310	WFBG	1310	WGNY	1220	WHIZ	1210	WIS	560
WCFL	970	WDNC	1500	WFBL	1360	WGPC	1420	WHJB	620	WISE	1370
WCHS	580	WDOD	1280	WFBM	1230	WGR	550	WHK	1390	WISN	1120
WCHV	1420	WDRC	1330	WFBR	1270	WGRC	1370	WHKC	640	WJAC	1370
WCKY	1490	WDSM	1200	WFDF	1310	WGRM	1210	WHKY	1370	WJAG	1060
WCLE	610	WDSU	1250	WFEA	1340	WGST	890	WHLB	1370	WJAR	890
WCLO	1200	WDWS	1370	WFIG	1310	WGTC	1500	WHLD	1260	WJAS	1290
WCLS	1310	WDZ	1020	WFIL	560	WGTM	1310	WHLS	1370	WJAX	900
WCMI	1310	WEAF	660	WFLA	620	WGY	790	WHMA	1420	WJBC	1200
WCNC	1370	WEAN	780	WFMD	900	WHA	940	WHN	1010	WJBK	1500
WCNW	1500	WEAU	1050	WFMJ	1420	WHAL	950	WHO	1000	WJBO	1120
WCOA	1340	WEBC	1290	WFNC	1340	WHAI	1210	WHOM	1450	WJBY	1210
WCOC	880	WEBQ	1210	WFOR	1370	WHAM	1150	WHOP	1200	WJBW	1200
WCOL	1210	WEBR	1310	WFOY	1210	WHAS	820	WHP	1430	WJDX	1270
WCOP	1120	WEDC	1210	WFTC	1200	WHAT	1310	WHUB	1370	WJEJ	1210
WCOS	1370	WEED	1420	WFTL	1370	WHAZ	1300	WIBA	1280	WJHL	1200
WCOU	1210	WEEI	590	WFTM	1210	WHB	860	WIBC	1050	WJHP	1290
WCOV	1210	WEEU	830	WFVA	1260	WHBB	1500	WIBG	970	WJIM	1210
WCPO	1200	WELI	930	WGAL	1500	WHBC	1200	WIBM	1370	WTIC	1040
WCRW	1210	WELL	1420	WGAN	640	WHBF	1240	WIBU	1210	WTJS	1310
WCSC	1360	WEMP	1310	WGAR	1450	WHBI	1250	WIBW	580	WTMA	1210
WCSH	940	WENR	870	WGAU	1310	WHBL	1300	WIBX	1200	WTMC	1500
WDAE	1220	WENY	1200	WGBB	1210	WHBQ	1370	WICA	940	WTMJ	620
WDAF	610	WEOA	1370	WGBF	630	WHBU	1210	WICC	600	WTMV	1500

WJJD	1130	WLAW	680	WMFD	1370	WOI	640	WQDM	1390	WSJS	1310
WJLS	1210	WLB	760	WMFF	1310	WOKO	1430	WQXR	1550	WSKB	1200
WJMC	1210	WLBC	1310	WMFG	1210	WOL	1230	WRAK	1370	WSLB	1370
WJMS	1420	WLBJ	1310	WMFJ	1420	WOLF	1500	WRAL	1210	WSLI	1420
WJNO	1200	WLBL	900	WMFR	1200	WOLS	1200	WRAW	1310	WSM	650
WJPF	1310	WLBZ	620	WMGA	1370	WOMI	1500	WRBL	1200	WSMB	1320
WJPR	1310	WLEU	1420	WMIN	1370	WOMT	1210	WRC	950	WSNJ	1210
WJR	750	WLLH	1370	WMJM	1500	WOCB	1210	WRDO	1370	WSOC	1210
WJRD	1200	WLLH	1370	WMMN	890	WOPI	1500	WRDW	1500	WSOO	1200
WJSV	1460	WLNH	1310	WMOB	1200	WOR	710	WREC	600	WSOY	1310
WJTN	1210	WLOK	1210	WMOG	1500	WORC	1280	WREN	1220	WSPA	920
WJW	1210	WLPM	1420	WMPC	1200	WORD	1370	WRGA	1500	WSPB	1420
WJZ	760	WLS	870	WMPS	1430	WORK	1320	WRJN	1370	WSPD	1340
WKAQ	1240	WLTH	1400	WMRO	1250	WORL	920	WRNL	880	WSPR	1140
WKAR	850	WLVA	1200	WMSD	1420	WOSU	570	WROK	1410	WSTP	1500
WKAT	1500	WLW	700	WMSL	1370	WOV	1130	WRR	1280	WSUI	880
WKBB	1500	WMAL	630	WMT	600	WOW	590	WRTD	1500	WSUN	620
WKBH	1380	WMAM	570	WNAC	1230	WOWO	1160	WRUF	830	WSVA	550
WKBN	570	WMAN	1370	WNAD	1010	WPAB	1340	WRVA	1110	WSVS	1370
WKBO	1200	WMAQ	670	WNAX	570	WPAD	1420	WSAI	1330	WSYB	1500
WKBV	1500	WMAS	1420	WNBC	1380	WPAR	1420	WSAJ	1310	WSYR	570
WKBW	1480	WMAZ	1180	WNBF	1500	WPAX	1210	WSAM	1200	WSYU	570
WKBZ	1500	WMBC	1420	WNBH	1310	WPAY	1370	WSAN	1440	WTAD	900
WKEU	1500	WMBD	1440	WNBX	1260	WPEN	920	WSAR	1450	WTAG	580
WKIP	1420	WMBF	610	WNBZ	1290	WPG	1100	WSAU	1370	WTAL	1310
WKNY	1500	WMBG	1350	WNEL	1290	WPIC	780	WSAV	1310	WTAM	1070
WKOK	1210	WMBH	1420	WNEW	1250	WPID	1210	WSAY	1210	WTAQ	1330
WKRC	550	WMBI	1080	WNLC	1500	WPRA	1370	WSAZ	1190	WTAR	780
WKST	1250	WMBO	1310	WNOE	1420	WPRO	630	WSB	740	WTAW	1120
WKY	900	WMBR	1370	WNOX	1010	WPRP	1420	WSBC	1210	WTAX	1210
WKZO	590	WMBS	1420	WNYC	810	WPTF	680	WSBT	1360	WTBO	800
WLAC	1470	WMC	780	WOAI	1190	WQAM	560	WSFA	1410	WTCN	1250
WLAK	1310	WMCA	570	WOC	1370	WQAN	880	WSGN	1310	WTEL	1310
WLAP	1420	WMEX	1500	WOCB	1210	WQBC	1360	WSIX	1210	WTHT	1200

WTNJ	1280	XEAF	990	XEBO	1310	XEDR	1490	KEK	990	XERB	1090
WTOC	1260	XEAG	1310	XEBP	1150	XEDS	1400	XEKL	1240	XERC	830
WTOL	1200	XEAI	1250	XEBS	1340	XEDW	1150	XEKR	1280	XERH	1430
WTRC	1310	XEAJ	1400	XEBU	1240	XEE	1210	XEKS	1240	XES	990
WTRY	950	XEAM	750	XEBW	1340	XEF	1450	XEL	1150	XESM	1270
WTSP	1370	XEAO	660	XEBX	640	XEFB	870	XELO	670	XET	690
WVFW	1400	XEAP	1340	XEBZ	810	XEFC	1340	XELW	1340	XETB	1310
WWAE	1200	XEAS	1160	XEC	1150	XEFE	980	XELZ	1370	XETH	1210
WWJ	920	XEAT	1210	XECA	1230	XEFI	1440	XEM	1390	XEU	1010
WWL	850	XEAU	1310	XECH	1490	XEFM	1160	XEME	1240	XEW	890
WWNC	570	XEAW	960	XECL	1110	XEFO	940	XEMO	860	XEWE	720
WWRL	1500	XEB	1030	XECW	1240	XEFQ	1010	XEMU	580	XEX	1310
WWSW	1500	XEBA	1080	XECZ	1370	XEFV	1210	XEMX	1280	XEXB	1270
WWVA	1160	XEBC	1240	XED	1160	XEFW	1310	KEN	780	XEXE	1270
WXYZ	1240	XEBG	820	XEDA	1220	XEG	1230	XENT	910	XEXH	1150
W8XO	700	XEBH	930	XEDE	1400	XEH	740	XEP	1160	XEXX	1170
XEA	1400	XEBI	1000	XEDF	810	XEHK	1230	XEPN	730	XEZ	650
XEAA	750	XEBJ	1340	XEDH	1340	XEI	1370	XEQ	730	YSS	640
XEAC	980	XEBK	1090	XEDL	1240	XEJ	1020	XEQK	1500	ZNS	
XEAD	1240	XEBL	1220	XEDP	1080	XEJP	1130	XERA	840		

TIME CONVERTER

The RADEX Map of the World with Time Converting Dial is the most useful accessory any radio fan could have around. Just a twirl of the dial shows the correct time at any location in the world. No calculation is necessary; the dial does all the work. **The price is only** **25c**

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WSKB begins at 7. A. M. WENY on Sunday till 2 A. M. . . . WDSM on Sunday till 2 A. M. . . . WMRO tests on Wednesday from 2 to 2:30. (Art, Parfit, Cleveland, Ohio).

WBT sends an attractive card of Ivory with large blue letters and printing. . . . WCFL is a white card with large green call letters, green border and black print. . . . WHAM is an Ivory card with large blue call letters. . . . WLAC sends a white card with a picture of mail control room and view of studios. . . . WSB sends a verie stamp showing an Owl sitting on a half moon. (Edward Laudansky, Dorchester(Mass.)

WKY on 900 kcs. sends out veries., comes on at 7 A. M. and off at 1 A. M. (Ernest R. Forrest, Oklahoma City, Okla.)

WNBZ on 1290 kcs. was heard poorly on their program dedicted to the Va. Chapter of the Radex club. (James O. Weaver, Elkhart, Ind.)

WELI, WPEN sign off at 12 midnight. WOV, 5 kw, on from 7 A. M. to 12 midnight. (Henry Bennett, Collingswood, N. J. R 1342)

WJTN now use 250 watt power and Hotel Jamestown. (Edward F. Shirley, Jamestown, N. Y. R615)

WSAY Rocehster ,N. Y. became the 118th station in the Mutual Broadcasting Systems network on February 1st.

. . . WRTD Richmond, has changed their frequency from 1500 kcs. to 590 kcs. the power was increased from 250 watts to 1000 watts. (Lee Grossman, Rochester, N. Y.)

Here is some information about New Orleans radio stations; WJBW now has full time, 8 A. M. to 1 A. M. EST. WSMB now has 5,000 watts unlimited, WWL signs on at 6 A. M. and leave sthe air at 1 A. M. EST. and WDSU has the same schedule as WJBW. (William A. Floves, New Orleans, La.)

WTSP heard on 1370 kcs. with a frequency check program, fine signal R 7-9 plus, heard from 3 A. M. EST. until 4:30 A. M. EST. (Allen G. Verrill Brockton, Mass. R968)

WBTH is very glad to hear from listeners and sends form letter, of verification. Radex Dictaphones.

headphones. Heauset ... speaker may be used separately or together.

Adapter with Trimm Featherweight Headphones—

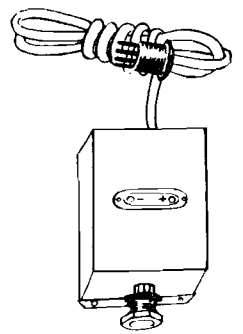
$13.50

Adapter with Trimm Dependable Headphones—

$5.95

Adapter with Acme Deluxe Headphones—

$4.40



As these adapters are made to order, about two weeks should be allowed for delivery.

We pay the postage.

THE RADEX PUBLISHING CO., Emerson, New Jersey

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.

Dialing the Europeans, Nov. '38.

Dialing the Asiatics, Dec. '38.

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

Stations of France and Norway, March '39.

Stations of New Zealand, April '39.

Television is Here, list of Television Stations, the stations of Colombia, China and Venezuela, Midsummer '39.

Stations of Costa Rica and Venezuela, Sept. '39.

The World's Broadcasting Stations, Sept. '39.

These past issues are still available at the regular price of 25c each or five for a dollar.

GET MORE DX WITH HEADPHONES

WE recommend the famous Trimm line of headphones for DX success. They are precision-built, and combine ultra-sensitivity with rugged construction.

The Trimm "Featherweights" weigh but 4¼ ounces complete. 24,000 ohms. $8.50

Trimm "Professional." 4000 ohms. 4.00

Trimm "Dependable." 2000 ohms. 3.25

XEAC	980	XEBK	1080	XEDL	1240	XEJ	1020	XEQK	1500	ZNS	
XEAD	1240	XEBL	1220	XEDP	1080	XEJP	1130	XERA	840		

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PHONE ADAPTERS for QUIET RADIO

Do you listen in late at night while others are sleeping? Does your town require you to turn your radio down at a certain hour? If you are an apartment dweller, or a DXer, or if there is more than one radio in your home, equip your set with headphones and win the gratitude of your family and your neighbors.

We offer two phone adapters which will permit the use of headphones with your radio. They can be used with any radio set, regardless of make, and are fully guaranteed. They are easily installed. When ordering, be sure to give a list of the tubes used in your receiver.

TRIMM

Quiet Radio Attachment

This kit, including adapter and headphones, is made by the makers of the famous "Trimm" headphones. Headset and loudspeaker may be used separately or together.

Adapter with Trimm Featherweight Headphones—

$13.50

Adapter with Trimm Dependable Headphones—

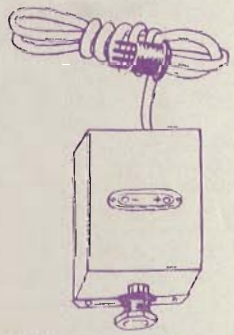
$5.95

Adapter with Acme DeLuxe Headphones—

$4.40

THE PERFECT PHONE ADAPTER

Makes it easy to attach headphones to any radio set. Easily installed, without tools, in just a minute. The loudspeaker can be silenced while 'phones are being used. Ideal for the hard-of-hearing. The price is only $3.95, without headphones.



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Be a RADIO Technician

Learn at Home to Make $30, $40, $50 a Week

Radio is a young, growing field with a future. It offers you many good pay spare time and full time job opportunities. And you don't have to give up your present job, go away from home, or spend a lot of money to become a Radio Technician. I train you right at home in your spare time.

Many Radio Technicians Make $30, $40, $50 a Week

Radio broadcasting stations employ engineers, operators, technicians and pay well for trained men. Radio manufacturers employ testers, inspectors, foremen, servicemen in goodpay jobs with opportunities for advancement. Radio jobbers and dealers employ installation and servicemen. Many Radio Technicians open their own Radio sales and repair businesses and make $30, $40, $50 a week. Others hold their regular job and make $5 to $10 a week fixing Radios in spare time. Automobile, police, aviation, commercial Radio; loudspeaker systems, electronic devices, are newer fields offering good opportunities to qualified men. Television promises to open many good jobs soon.

Many Make $5 to $10 a Week Extra in Spare Time While Learning

The day you enroll I start sending Extra Money Job Sheets which start showing you how to do Radio repair jobs. Throughout your course I send plans and directions that made good spare time money—$200 to $500—for hundreds, while learning. I send you special Radio equipment to conduct experiments and build circuits. This 50-50 method of training—with printed texts and conducting experiments—makes learning at home interesting, fascinating, practical.

I Also Give You a Professional Servicing Instrument

You get the type of instrument successful Radio Technicians use—an All-Wave Set Servicing Instrument. It contains everything necessary to measure A.C. and D.C. voltages and current; to check resistances, adjust and align any set, old or new. It satisfies your needs for professional servicing after you graduate—can help you make extra money fixing sets while learning.

You Are Trained for Television

With N.R.I. you learn Television principles right along with Radio principles—the correct method—since Television receivers combine both sight and sound. You also get more than ten text books devoted entirely to Television.

Mail Coupon for Sample Lesson and Free Book

Act Today. Mail the coupon now for Sample Lesson (Radio Receiver Troubles; Their Cause and Remedy) and 64-page book. They're free. They point out Radio's spare time and full time opportunities and those coming in Television; tell about my course in Radio and Television; show you letters from men I trained, telling what they are doing and earning. Read my Money Back Agreement. Find out what Radio offers YOU! MAIL COUPON in an envelope, or paste on a postcard—NOW!

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