

THE GLOBE CIRCLER

JANUARY — 1937



ATTRACTIVE DX LISTENING POST OF MARTIN J. OLTHOFF OF INDEPENDENCE, KANSAS. (See Page 10)

ONE
DIME

INTERNATIONAL DX'ERS ALLIANCE

WORLD DX PROGRAM CALENDAR

DX'ING NEAR THE ROOF OF THE WORLD

TESTS ON THE RME-69

WITH OUR MIDNIGHT MARAUDERS

SHORT-WAVE NOTES AND ACCURATE SHORT-
WAVE LIST

YOUR—1937—RECEIVER



STANDARD FEATURES FOUND IN EVERY RME-69

- * R.F. stage ahead of first detector gives high ratio of signal to noise level.
- * Optional crystal filter for knife-edge selectivity.
- * Maximum sensitivity less than one micro-volt absolute.
- * Built-in coils with wiping silver contacts, continuous band spread from 550 to 32000kC.
- * Tuning dial accurately calibrated in megacycles.
- * Separate trimmer for maximum resonance of R.F. circuits.
- * Carrier level indicator shows R's and DB's.
- * Optional AVC control.
- * All elements carefully treated for tropical use.
- * UNCONDITIONALLY GUARANTEED.



Bulletin 69 for information
on receivers

INTERNATIONAL DX 'ERS ALLIANCE

BLOOMINGTON, ILLINOIS. U. S. A.

WORLD-WIDE BROADCAST CALENDAR

| TIME | E. S. T. | KC/S | KW | LOCATION | CALL |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|---------------------------|-----------|
| Jan. 3 | Sunday 7:30-10am | 1290 | | Mitchelton, Australia | R VK4JN |
| | Send reports to Amateur Station VK4JN, G.G. Augustessen, Sussex Street, Mitchelton, Qsld, Australia. | | | | |
| Jan. 3 | Sunday Noon-12:20pm | 14350 SW | | Den Haag, Holland | J PAOFB |
| | Identification code, which will be a three-letter call in addition to the call letters of the station, must be given in reports, which should be sent to PAOFB, J.H. Adama, Wellsdorperlaan, Den Haag, Holland. | | | | |
| Jan. 5 | Tues. 1-1:30am | 668 | 20 | Jerusalem, Palestine | F/T |
| | Special veri's will be issued and a small gift will also be sent the first dx'er reporting from each country. Send reports to Mr. Brasher, Chief Engineer, Posts and Telegraphs, Radio Jerusalem, Jerusalem, Palestine. This is the first dx broadcast ever put on from the "Holy Land". | | | | |
| Jan. 10 | Sunday 7:30-10am | 1290 | | Mitchelton, Australia | R VK4JN |
| Jan. 15 | Friday 1-1:30am | 668 | 20 | Jerusalem, Palestine | F/T |
| Jan. 21 | Thurs. 5-6am | 1160 | .175 | Cienfuegos, Cuba | R CMHJ |
| | Send reports to Enrique Hidalgo, DX Dept. CMHJ, P.O. Box 112, Cienfuegos, Cuba. | | | | |
| Jan. 24 | Sunday 2-2:20pm | 14350 SW | | Den Haag, Holland | PAOFB |
| Jan. 27 | Wed. 3-4am | 1400 | .25 | Hilo, Hawaii | NNRC KHBC |
| Jan. 31 | Sunday 2-5am | 930 | .1 | Prescott, Ontario, Canada | CFLC |
| Feb. 1 | Monday 12:01-1am | 9750 SW | | Havana, Cuba | M COCQ |
| | An interesting and unusual program arranged under auspices of the "International Church of the Air". Send reports to Rev. Arthur W. Pain, P.O. Box 1373, Havana, Cuba. | | | | |
| Feb. 7 | Sunday 4-5pm | 15300 SW | | La Paz, Bolivia | S CP7 |
| | Send reports to G. Lopez Videla, Mgr., Compania Radio Boliviana, Casilla 637, La Paz, Bolivia. | | | | |
| Feb. 24 | Wed. 3-4am | 1400 | .25 | Hilo, Hawaii | NNRC KHBC |
| Feb. 28 | Sunday 2-5am | 930 | .1 | Prescott, Ontario, Canada | CFLC |
| Mar. 11 | Thurs. 5:30-7am | 1440 | .1 | Ipswich, Qsld, Australia | R 4IP |
| | Send reports to IDA member, Royston Marcus, 4IP, Ipswich Broadcasting Company, Brisbane St., Ipswich, Qsld, Australia. | | | | |
| Weekly | Tues. 5:35-6pm | 9530 SW | | Schenectady, New York | D W2XAF |
| Weekly | Sat. 12:01am | 6140 SW | | Pittsburgh, Pa. | L W8XK |
| Weekly | Sun. 1:15-1:30am | 640 | 50 | Los Angeles, Calif. | F KFI |
| MEMBERS WHO | (R) R. Myers | (J) J. Maguire | (F/T) Frost & Tomlinson | | |
| ARRANGED | (M) Morrison | (S) R. Swenson | (D) Eugene Darlington | | |
| PROGRAMS | (L) Ed Lips | (F) Frank Andrews. | | | |

NEW I.D.A. MEMBERS

H. E. Oppenheimer, New York City, N.Y.
 G. R. Schneider, Cleveland Hgts, Ohio.
 Willis K. Jones, Oxford, Ohio.
 Rev. Arthur Pain, Havana, CUBA.
 A. Touchard, Casablanca, MOROCCO.
 Henri Bisset, Berteaux-a-Bezons, FRANCE.
 Jean Thomas, Marseilles, FRANCE.
 M. Nishi, Thursday Island, AUSTRALIA.
 A. W. Johnson, Brooklyn, New York.
 Earl W. Godfrey, Hope, Rhode Island.
 Pierre Guerin, Vaison-la-Romaine, FRANCE.
 J. W. Grainger, Regina, Sask, CANADA.
 Irwin J. Goldner, Preble, Indiana.
 J. G. McConomy, Philadelphia, Pa.
 Miss Frances Senneck, Paris, FRANCE.
 Edgar J. Poh, Ridgewood, Wueens, N.Y.
 Carlos Irizarry, Brooklyn, New York.
 Max Horlick, Youngstown, Ohio.
 George C. Graham, New York City, N.Y.
 L. Devitte, Calgary, Alberta, CANADA.

Ellis J. Bird, Kalamezoo, Michigan.
 Henry Engelbrecht, Brooklyn, N.Y.
 Richard F. Hofsaes, Brooklyn, N.Y.
 Irving Cohen, New York City, N.Y.
 Frank Vrba, Chicago Heights, Ill.
 F. E. Hall, D. M. D., Winchendon, Mass.
 Royston Marcus, 4IP, Ipswich, Qsld, AUSTRALIA.
 George Halpin, Lansing, Michigan.
 Edw. G. Sundberg, Chicago, Illinois.
 R. G. Parry, Edinburgh, SCOTLAND.
 R. Merlehan, Dublin, IRISH FREE STATE
 G. A. Lee, Attleborough, Norfolk, ENGLAND.
 Frank Cassar, St. Julian, MALTA.
 L. D. Brewer, Phoenix, Arizona.
 F. W. Smock, Klemme, Iowa.
 R. A. Bryant, West Somerville, Mass.
 Sam. J. Cashio, Jr., Meringouin, La.
 J. Haskell, Jr., Saugus, Mass.
 Leland L. Yost, Asheville, N. Carolina
 W. I. Goldy, River Forest, Illinois.
 Juan Cloquell Storer, Santurce, P.R.
 Louis Bruno, Brooklyn, New York.

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International

Published Monthly Excepting July

**Dx'ers Alliance**CHARLES A. MORRISON
EDITOR

VOLUME V

BLOOMINGTON, ILLINOIS, U. S. A.

NO. 1.

EDITORIAL

We are grateful to these members for contributing to the mimeograph fund: Messrs. Henderson, Shultus, Debicki, Goodeve, Crombie, Peters, Eristow, Mitchell, Herz, Campbell, Kure, Wyborski, Brauner, Hock, Kunsman, Bolton Ambrosius, Nicolassy, Hughes, Eck, Patton, Dengler, Morrow, DeMyer, Magee, S. Savage, Michaelson and Beta Chapter

Enclosed with your Globe Circler you will find a STOP PRESS NEWS SHEET- a brand new IDA service, at no extra charge, which brings the GC right up-to-date to the time of mailing. **IMPORTANT** last minute items, enclosed in envelope, marked **STOP PRESS**, accepted up to noon of next to last day of each month.

ANOTHER NEW IDA SERVICE- a bulletin devoted entirely to S.W. reception of foreign amateurs, will be edited monthly. Each issue will be sent only to those interested enough in this field to contribute at least **ONE** item of interest for that particular month. To get the first issue, write us at once, enclosing your own little item or items, for publication in the 2nd issue.

These extra services involve time and expense. Their continuance depends upon **EACH** member getting behind our world membership drive. **REMEMBER**- we expect **EACH** member to enroll at least two members in the IDA before June 1, 1937, to pay his own renewal promptly, to send us notes and tips and above all, to talk IDA whenever and to whomever possible.. Sample GC's and information on the IDA, gladly mailed at once to any prospects you write to us about.. -Charles Morrison

I.D.A. CHAPTERS

AUTO CITY (Detroit), held first meeting Nov. 21, at home of W. Wallace. Clint Bolton was elected Chapter Chairman, and L. Ambrosius, Sec. John DeMyer, IDA District Director, from Lansing, was guest of honor. A group photo was taken.

BETA (New York), meeting of Dec. 12, at home of Edw. Goss, 912 Pros-

pect Place, Brooklyn, well attended. Two new members were enrolled.. Murray Bultekent was elected Chapt Sec.. local dues of 25¢ each were collected.. a recommendation was made that IDA HQ have club pins made.. members promised to go after more advertising contracts for the GC.. Beta is proud of the fact that every member has contributed to the mimeograph fund.

CALGARY FOOTHILLS (Calgary), held another window display of veri's at the Wilson Electric Store. Other displays will be held in Jan. & Feb. The coming program over CFCN and VEQA to be put on by the Chapter was discussed. Art MacLean will be Master of Ceremonies. Prizes for best reports will be given. "We are fortunate to have as a member, L. De Vitte, graduated from RCA School of Radio, Toronto. We hope members will entrust their servicing to Mr. De Vitte". Wilf Woods is adding up a big score in the IDA S.W. Contest.

GLOBE RADIO DX'ERS (Australia)- is busy compiling data for the special Australasian Issue of the GC for February.. The GRDA hopes to arrange some good-will broadcasts from prominent Australian stations for the IDA.

JEWEL OF MEDITERRANEAN (Malta)- 4th General Meeting held on Oct. 19 with Mr. V. A. Trapani, in the chair. .. The problem of non-verifying stations was discussed.. A formal chapter charter was ordered.. The world dx contests were discussed, as was the coming 1938 Golden Gate DX Convention. It is hoped a representative may attend.. A list of stations logged and reported to by Chapter members, was compiled and forwarded to IDA Headquarters.

G.C. Sholin, assures us that the Golden Gate Chapter, of San Francisco, will soon be inaugurated.

RADEX MYSTERY CONTEST

2nd Annual DX Mystery Contest, with 23-tube Scott, as first prize, will take place on mornings of Feb 20, 21 and 22. Send 25¢ entrance fee to Radex Press, Conneaut, Ohio.

APPOINTMENTS

ASST. DIRECTOR- 2nd Dist. (Calif, NM Nevada, Ariz.): G.C. Sholin, 55 Lapidge St., San Francisco, Calif.

FOREIGN REPRESENTATIVE

P.R.: J.C. Storer, Primavera St, San-turce, Puerto Rico.

INTERNATIONAL DX CONTESTS

Last call for entrants in the International S. W. and B. C. Con- tests! Your entry fee of 50¢ must be mailed not later than January, 15, 1927, to Contests Director, Jas. Dickenscn, P.O. Box 95, Regina, Sask, Canada. Upon receipt of your fee you will be forwarded entry card, number, handicap rating and com- plete contest rules. Awards that will include an RME-69, a Halli- crafters Sky Buddy, RCA aerial kit, and many others, should warrant numerous entrants. AS AN IDA MEM- BER, IT IS YOUR DUTY TO SUPPORT THESE CONTESTS.

DIST. MEMBERSHIP CONTEST STANDINGS

| | |
|-------------------------------|----|
| Dist-6 (East Central States) | 10 |
| Dist-4 (W. Central States) | 7 |
| Dist-7 (North East US-Canada) | 5 |
| Dist-2 (Pacific South West) | 4 |
| Dist-5 (Dixie States) | 2 |
| Dist-42 (Gt. Britain) | 2 |
| Dist-1 (North West US-Canada) | 1 |

IDA STAMP GUILD

Latest enrollments are: Mr. L.R. Fritsch, Communications Dept., T-4 Station, via HOMS, Syria; Godfrey E. Wignall, 6 Thompson St, North Perth, West Australia; R.A. Bryant, Bureau Issues Assoc., Box 64, West Somer- ville, Mass. Using the names of those members of the ISG mentioned in the last four issues of the GC, kindly submit your nominations for Director and Sec. for the ISG. Send in any notes or information pos- sible for inclusion in our first issue of ISG News, which we hope to edit in near future. Any inform- ation or correspondence relative to the ISG, should be sent in a sep arate envelope only, and plainly marked IDA STAMP GUILD.

-W8OXY-

QRA-George R. Schneider, 1625 Lee Rd, Cleveland Heights, Ohio. RIG is 53 crystal oscillator and doubler, 6L6 doubler-buffer and a Taylor T55 in the final. Running about 150 w in final at present.. CW freqs. 14284, 7142 and 7232. Will be on 7005 and 14010kc soon.. Have been QSO with 10 countries, 43 states, and all Canadian districts. Be glad for sked. with IDA hems.

RECEPTION PAR EXCELLENCE

By his excellent dx reception, during one of the poorest BCB win- ters on record, Evan Roberts, of Dan vers, Mass., has undoubtedly placed himself in a most enviable posi- tion. . . "TA's quite spotty, but extremely good at times. Nov. 27, from mid-3am EST, logged 51 Euro- peans. On Nov. 28, from 2:15 to 5pm, I logged 51. Sixteen logged before 2:30pm. Sat, Dec. 12, 53 stations were tuned in." . . "Reception of SA's most extraordinary at times. On Dec 1, from 6 to 10pm EST, 58 Spanish and Portuguese stations were heard and of these, 20 were on split fre- quencies and the balance riding in right over domestic stations. The Brazilian on 980kc, is PRE^R, Radio Nacional, Rio de Janeiro. YV6RV is being heard on 1350kc and a Costs Rican on 625kc. HJ3ABH on 1005kc is sometimes strong between 6 and 9pm. . . . "I have logged 18 new TP's this season and hope to receive enough Aussie veri's to bring my total up to 40. Only new N.Z. sta- tions logged are LYA and 2Z0. Have a recent veri' from KHBC". . . "New Europeans heard this season, which have been reported to are: Brussels 1, Marseilles, Toulouse PTT, Poznan, Linz, Radio Toulouse, Nurnberg, Saar- brucken, Gleiwitz, Bologne, Monte Ceneri, Kosice, Naples, Radio Cite, Torun, Brussels 2, Juan-les-Pins, Dresden, Magyarovar, Montpellier PTT Konigsberg, Radio Lyons, Lille de France, Miskolc, Eiffel Tower, Pecs, and several others." . . "The follow ing have been heard on other than listed frequencies: VGX (701kc), at 7am and 12:30pm EST, daily; TIGPH (625), 7-10pm; VOWR (690 to 705), on Sun 5-6:30pm and irreg; TGW (1211) Sun AM; EQN (603), Sat. 8 to 9:10pm- sign-off with "Marseilles": HHK on 915kc, Fri. 8 to 9:25pm; VOCN (1006) 1:45-3am, Dec. 13; CKIC (1005), heard 5-6pm irreg; CHCK (1315) heard 5-6pm daily; CHGS (1445 to 1455), hrd 5-6pm daily." . . "On Short-Waves the only stations listed in the GC for December, not heard well enough here to log, were CQN and F31CD. I have never heard either of these. With the new 23 tube Scott, five antennas, antenna tuners, etc, I don't miss very many stations." . . I would be glad for help in identi fying: A new German on 1429kc, that is Q5/R^R, here at 1am; a Flemish speaking station on 1465 at 2am; a Belgium station, speaking French, on 1485kc, at 2am; What new Slavonic speaking station on 1276kc, near 12:30am, but not Juan-les-Pins?."

BROADCAST STATION NEWS

ARGENTINA LR1, Buenos Aires (1070kc), now operating from 6am-10:30pm EST; Spanish news reports at 6am and 9:30pm EST... A.B. Dougall, owner of LR5, "Radio Excelsior", is building a new station, LR8, "Radio Rosario", at Rosario, which will operate on 840kc (Dougall)

AUSTRALIA 2RG, Murrumbidgee (Griffiths), NSW (1470kc), 50w, now on the air... 2LM, Lismore, NSW, 500w, now on 890kc... 4IP, Ipswich, Qsld (1440kc), increased power to 100w... 6AM, Northam, W.A. (780kc), now has power of 2000 watts... VKEQY, Paddington, Sydney, NSW (1290kc), transmits a special dx program on the last Sunday of each month. Power is 25 watts (NZDXRA NZDXC, Reichardt, Myers)

CUBA CMJW, "La Voz de la Nacion", P.O. Box 322, Camaguey, inaugurated Nov. 15; Frequency 1340kc; Schedule- 8am to 10pm EST (GCDC)

MALAYA A new broadcast station (details unknown) will soon be opened in Singapore (Stensfield)

N. Z. The new 60kW xmtr. of 2YA (570kc), Wellington, is reported to be completed and should be testing soon... 1ZB, Auckland (1090kc), has commenced advertising, increased its hours of operation to 82 per week and will probably increase power to 1kW... 4ZP, Invercargill (620kc, is frequently on the air until after 7am EST, with dance relays (McCormick

POLAND In line with the power increases of the other stations, Warsaw II (1384kc), will be increased to 8000 watts (Stensfield)

U.S.A. New Stations: KRMC, Jamestown, N. D., 1310kc, 100w; Santa Rosa, Calif., 1310kc, 100w; Santa Rosa, Calif., 1310kc, 250w-day; KAWN, Gallup, New Mexico, 1500kc, 100w; Great Bend, Kansas, 1370kc, 100w; Prescott, Ariz., 1500kc, 100/250w; El Paso, Texas, 1500kc, 100w. New Frequencies: KLS, Oakland, Calif., 250w, to 1280kc. New Power Ratings: KFOK, Long Beach, Calif., 1250kc, 1kw night, 5kw day; WHAZ, Troy, N. Y., to 1kw; KSO, Des Moines, Iowa, 1430kc, to 1/2kw night, 2 1/2kw day; KDB, Santa Barbara, Calif., 1500kc, to 250w-day; KRBC, Abilene, Texas, 1420kc, to 250w day; WMBO, Auburn, Ala., 1310kc, to 250w day; WCAX, Burlington, Vt., 1200kc, to 250w day; KDYL, Salt Lake City, Utah, 1290kc, to 1kw night, 5kw day. Calls Changed: WQXR (formerly W2XR), New York, N. Y., 1550kc, 1kw; KPMC (formerly W6XAI), Bakersfield, Calif., 1550kc, 1kw; KXBY (formerly W9XBY), Kansas City, Mo., 1530kc, 1kw.

DEPARTMENT FOR OUR ORIGINAL MIDNIGHT MARAUDERS
(Broadcast Band Tips)

SPECIAL TEST TRANSMISSIONS

At the request of the Union Internationale de Radio Diffusion in Berne, Switzerland, and with the collaboration of the United States Bureau of Standards in Washington D.C. the following test transmissions will be radiated during the month of January: Time is E.S.T.

MONDAYS 7-8pm, 9-10pm and 11pm to lam: WABC, New York, New York 860kc (50kw).

TUESDAYS 1-2:15am: Rennes, France (1040kc); 2:15-3:30am: LR1, Buenos Aires (1070kc).

WEDNESDAYS and FRIDAYS same as Monday.

THURSDAYS 1-2:15am: Rennes, France (1040kc); 2:15-3:30am: LR1, Buenos Aires (1070kc); 1:30-3am: Northern Ireland Regional, Belfast, Ireland (977kc), 100kw.

SATURDAYS Same as Tuesday.

OWNER WANTED

We have a FB verification here from Tallinn, Estonia, that belongs to some IDA member. If it is yours, write us, giving date of reception reported.

NEW SCHEDULES FOR RADIO-LUXEMBOURG

The English Commercial broadcasts from Radio-Luxembourg (232 kc), are now sponsored by Messrs. Wireless Publicity, Ltd., Electra House, London W.C.2, England, and are radiated: Mon. to Sat- 3:15-5:30 am, 10:15am-12:15pm and 1:15-2:30 pm; Fri. and Sat. only- 6-8pm; Sundays- 3:15am to 7pm. (E. Peters)

ENGLISH SCHEDULES

FECAMP, France, 1113kc, 10kw: EST. Sundays: 3-6:30am, 9am-2:30pm, 5pm-8pm; Weekdays: 3-6am, 9am-1pm, 7-8pm (Fri and Sat. 7-9pm).

Juan-les-Pins, France, 1276kc, 27kw Sundays: Noon-1pm, 5:30-6:30pm.

CRICKET MATCHES

Accounts of the Australian Test Matches, played in Australia, will be relayed by the NATIONAL BBC STATIONS and RADIO NORMANDIE, at 3:30am EST, on Jan. 1, 2, 3, 4, 29, 30, 31 and Feb. 1, 26, 27, 28 and March 1.

CMCY, Havana, Cuba (1030kc), will soon have a power of 8,000 watts, which will make it the most powerful station in Cuba. CMCY operates from 10am to midnight EST, daily.

DEPARTMENT FOR OUR ORIGINAL MIDNIGHT MARAUDERS
(Broadcast Band Tips)

BROADCAST BAND RECEPTION IN NORTH AMERICA

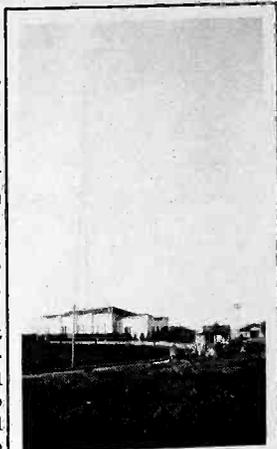
BCB dx has been very poor here of late. A few Europeans are coming thru in the early am. The new Brazilian on 980kC, identified as PRE8, "Radio Nacional," Rio de Janeiro, is easily the best Brazilian (W. Birch, Mass).. SA reception not nearly so easy as last season. TP reception so far a complete washout (R. Lewis, Ohio).. Torun, Poland, comes in quite well some mornings. The Europeans are beginning to come in again, and I expect them to reach a peak shortly (W. Reichardt, Mass).. LRI was heard recently signing off at 3:30am EST (Gozen).. Dlx'ing hasn't been so good thus far. TP's not very strong and a lot of QRM from all nite stations (Diedrich).. Belfast, Ireland (977), heard Nov. 19, 1:30-2:30am EST (Zimmerman, Penna).. Radio Nacional, PRE8, Rio de Janeiro, Brazil (980kC), heard early in the evenings. South Americans are quite active, LR3, LR5 and CX30 (1130kC), being best heard LW stations Moscow and Radio-Paris are being hrd, at 1 and 3am resp. European reception is picking up a little, but still very poor. Toulouse (913), and Toulouse PTT, are best in early evenings. West Regional is loud at its sign-off at 7pm EST. Rennes, France (1040), is the best of the early am stations.

In general, European reception is poor.. KHBC Hilo, Hawaii (1400), continues to be heard near 2-3 am. KGU heard occasionally. JOGK (770) and JOJK (810) are the best Japanese. The YA's, 1YA (650), 2YA (570), 3YA (720) and 4YA (790), represent the best Trans-Pacific reception and seem to reach a peak near 4:30-5:30am EST. Watch for the initial tests of the giant new 60kW-2YA shortly.

GT. BRITAIN REPORTS

November was terrible for N. A. reception, the sole good morning being Nov. 26. The only decent catch being WINS. PRC6 reported on the 27th. Stations heard so far this season are: WEEI, WEAF, WOR (best): WJZ, WGY, LR5, WABC, LR6, LR3, LR4, WBZ, WHN, PRC6, WTIC, WTAM, WBT, LRI (best SA), WPG, WHAM, WCAU, WINS, LS2, WNAC, WDRG, WNEW, WAAB (R. Coales, Southsea, England).. Only SA's were heard until 4th week of month. NA's were at a peak, evening of 27th, but not heard afterwards. Sunspots large enough to be seen with naked eye were reported in papers on 28th. Stations heard before midnight GMT during November were: LRI-3, PRE3, WNEL, WCAU, WPG, WNAC, WOR, WBZ, WBT, WABC, WEEI and WHN. Stations heard Nov. 22 and Nov. 29, between 1-3am GMT were: (R4) LRI; (R6) LR3-4-5-6-8 LS2-5-8, PRE3-8, PRF3-4, LR2, LS9; (R5) WNEL, WKAQ, PRA6, LT8; (R4) WIOD, VONF, WNEL, PRA3-6, PRBO, LR9-10, LS4, LTI and CPL (R. Stensfield, Woking, England)

Have you heard HIT (1050kC), Trujillo City, D. R.? Has power of 50w.



RADIO STATION PRF3
S. PAULO, BRAZIL

PRF3, P. O. Box 252, S. Paulo, Brazil, transmits on 960kC, with 7½kW power. The Xmtr is a Western Electric and the aerial a quarter-wave Blaw Knox vertical.

PRF3 will dedicate a DX program to the NRC/NNRC, January 4, 2-3am EST. XEAW will stand by (W. Birch)

RECEPTION IN N. Z. BELOW NORMAL

DX has been quiet here, with the only reports being to KERN, KGER, KGFI, WTMV, WDON, WKBB, WAAB, KECA, XEAW 2GZ and 6WB. Received veri' from VPB, Ceylon. My first Indian station and was I pleased! (Niven-Dunedin, NZ).. DX conditions have been far from the usual standard, due to the dry winter and exceptionally stormy Spring. Latest veris are: XELO, KFAC, KOA, JOBK1, VK2CY-2KV-3RI-3WE-3SB-3FL and 4LD (L. C. McCormick, Invercargill, N. Z.)

LATEST VERI'S REPORTED

H. Diedrich, Moline, Ill: 7MT, 4TO, 1YA, 2HD, 4BH, 3DB, 4QG, 4LO, 2SM, KGU, 2UW, 2CO and 2GZ.. W. Reichardt, Reading, Mass: 4AK, 2WL, 2AY (50w), and Toulouse-Muret.. R. Lewis, Toledo, Ohio: KHBC.. C. Burnham, Gloucester, Mass: NN, IIRO, EAJ1, Bordeaux, RN, PP, YVIRC, TGW, LR1, LR3, LR5, LS2, LS4, PRB9 and 4AK.. John DeMyer, Lansing, Mich; KHBC.. Clermont Zimmerman, Sunbury, Penna, CNR, Brussels 2, LR1, LR4, BRNO, CB138, 4YA TIPG, LR3, WPRP, Leipzig.. Edw. Goss, Brooklyn, NY: KHBC.. Tomlinson, N. Y: ANTIBES, EAJ15, Lille, Belfast, KHBC &



ELABORATE LISTENING POST OF C.L. EGGENWEILER, OF LOS ANGELES. (Note Super-Pro and RME-69)



FINE DX CORNER OF CHARLIE MILLER, LOUISVILLE, KY.

WITH OUR MEMBERS

(Correspondence Corner)

Thad. L. Grabek, 1921 Welch Ave., Niagara Falls, New York, wishes to exchange letters, QSL cards, and photos of dx corners with members in Java, P.I. India, South America, Africa or Europe.

V.V. Dafter, 25 Bernard St., Claremont, W. Australia, and wife, would like pen-pals in the U.S.A.

Lyle Nelson, Yamhill, Oregon, wishes to exchange SWL cards with members in any countries. Also would like to get hold of a good straight long-wave circuit for say 6 to 10 tubes.

L.R. Fritsch, Communications Dept., T-4 Station, via Homs, Syria, would like to correspond in either French or English, with members anywhere.



DX'ER R. STANSFIELD, OF WOKING, ENGLAND

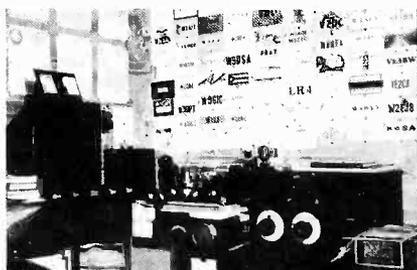
My good dx results are probably due to my location atop a hill, and no man-made static. Latest veri's are JOHK and WBNS (Stansfield, England). W. Jones, of Miami Univ, Oxford, Ohio, now touring Chile and Bolivia, is acting as IDA good-will ambassador. Sorry we never gave OM R. Coales, of Southport, England, credit for winning the 1935 British IDA S.W. Contest. He had a total of 95 veri's. Our sympathy to Jim Spalding of Louisville, Ky., in the recent loss of his mother, and to R. Tomlinson, of Port Chester, N.Y., in the prolonged illness of his little girl. J.C. Livingstone, is now in the Govt. School at Empangeni, Zululand, So. Africa. Has to use a DC receiver. G.E. Wignall is now working on the fortifications on Rottnest Island, 12 miles west of Port Fremantle, West Australia.



G. WRIGHT, MANCHESTER, ENGLAND



IRV. GOODEVE (Junior and Senior), OF KALAMAZOO, MICH. AND A FEW OF HIS QSLs



THE EXCELLENT DX CORNER OF BILL WARNER, EXETER, ENGLAND



DX'ING NEAR THE ROOF OF THE WORLD
T. E. Plewman, Canadian Mission Press, Chengtu,
Szechwan, West China

T. E. Plewman, claims the unique distinction of compiling, editing and printing the only 'newspaper' composed entirely of news from the air. Each night he tunes in news sessions from Daventry, Zeesen, Pontoise, Rome and other world stations, carefully notes important world events, which the next day are set up in type by hand, printed on a hand press and distributed to the less than one hundred English families in this city, with an oriental population of some 400,000. This tiny four page English newspaper scoops the latest newspapers from London by about seven weeks.

In the photo to the left, Mr. Plewman can be seen seated at his desk, before his two PHILCOS, taking the news from the air. To the right, Mr. Plewman, Mrs. Plewman, daughter Gladys and son Howard are pictured. In the center photo, we have a rare photo showing the Chinese government National troops in a recent skirmish with the Red army. The latter army being entrenched on the opposite mountain. Between the two mountains the international road winds into Tibet. Mountains in the vicinity are 15,000 to 20,000 feet high. Farther in, they reach 25,000 feet. Hundreds of mutilated bodies floated down this river to Chengtu plain.

Chengtu lies 1000 miles up the Yangtze river from Shanghai, a journey of three weeks duration. Goods going up the river is levied with illegal taxes by the war lords in power. For example, it requires about \$100.00 pirate tax to get a radio up the river. Mr. Plewman enjoys dx'ing, and has made some excellent catches including ZELJR, which was verified. Some of his latest loggings include: LU9FA, LU6KE, VU2DY, SM5SX, ZS6AJ, W2IXY (Our Dorothy L. Hall's xmtr.), VK2MY, VK2CE, G6JQ, G2DV, G6AG, G6GF, VK4II, VK2HX, VK2TC, VK4LO, VK2CF, VK2VB and VK2DK. Most frequent ly heard U.S. hams are W9DJW (veri), W7BUH, W6LJY, W9RUK, W8JK, W3EOZ, W1QM, W3APO and others. A number of small European stations have been verified on the broadcast band. LRU came in every night during the Spring.

THE GOLDEN GATE WORLD DX CONVENTION George C. Sholin, Director

The International DX Convention to be held in San Francisco in '39 in connection with the Golden Gate International Exposition, is receiving the support of the S.F. Chamber of Commerce, Californians Inc, S.F. Convention & Tourist Bureau, Golden Gate Bridge & Highway District, State of California Dept. of Public Works, etc. The New Zealand DX Club has promised its hearty support of the project.

Although sponsored by the IDA, the Convention is being planned for the benefit of all dx'ers and the hearty co-operation of ALL DX-Clubs, Periodicals and radio manu-

facturers is cordially invited.

The Convention will include contests, talks, banquets, prizes and recreation. Visits to Dixon and Bolinas, as well as all local stations will be arranged. Special demonstrations will be given of all the latest radio and television equipment. Special DX Listening posts will be set-up.

The greatest attraction for visitors will be the Golden Gate International Exposition, a mighty \$40,000,000 World's Fair, marking completion of the world's two largest bridges. Make plans now to join us in S.F. in JULY-1939.

THE RME-69 COMMUNICATIONS RECEIVER IS PUT THROUGH ITS PAGES

Martir J.Olthoff, Independence, Kansas

Mr.Olthoff's DX den is in a specially constructed celotex room in the attic. He uses a G. E. double-doublet antenna, which is 12' above the roof of the house. The ground is a 12' pipe driven into moist ground.

The letters R M E have come to symbolize to me, RADIO MARINER'S EXPLORER, for that is just what it does in searching the great sea of ether for stations unheard on ordinary receivers.

Before I had finished reading the booklet about the RME-69, which I had received, after hearing about it in the Globe Circler, I knew this set was going to be my radio navigator, for it combined those features I considered most important to the dx'er, or mariner, namely, a dependable crystal, a carrier level indicator, a beat oscillator and beat-pitch control. I have never regretted my buy.

The set has bandspread over its entire range, even on the broadcast band, for example, at the usually crowded low frequency end of the BC band, the entire 180° of the bandspread dial represents only 21 kilocycles—an immense spread. I have tuned in YNLF, Managua, Nicaragua (1275kc), while WASH-WOOD was broadcasting on 1275kc, with NO inter-channel QRM. On the short-waves, without the slightest inter-channel QRM, I hear W8XX on 6.14mc, HJ4ABU on 6.147mc, CJRO on 6.15mc, and YV3RC on 6.155mc. On CW, I have tuned in IED, Italy, on 12.020 and IED, Italy, on 12.017mc, without any traces of interference. These are only common examples of the remarkable selectivity that is possible through the CRYSTAL effect of the receiver.

For the purpose of comparing the signal strength of various stations, the "R" meter, which is very accurately calibrated in "R" units from 1 to 9 and in decibels from 0 to 72 is invaluable.

In receiving fone stations, the continuous tone control gives any tone desired. The audio frequency range of the receiver is from 70 to 8000 cycles per second.

The dials turn smooth as silk. The slightest spin and the needle moves completely across the dial. The wavy-like contour of the dials permits delicate tuning with the

tips of the fingers. By turning the band-spread dial even a fraction of a mark, the frequency is changed correspondingly—real precision tuning.

The frequency resonator permits maximum peaking of signal impulses at any frequency. Signals that would otherwise be lost in the mud can be raised to almost unbelievable levels by this device.

The receiver is very quiet in its operation, hardly the slightest trace of hum can be heard with the volume control at minimum.

There is no better receiver on the market for the CW listener, for with the CW beat oscillator and the CW beat-pitch control, a signal almost lost in the mud can be brought in for 100% copying.

The receiver has the following knobs and control levers on its panel: (A) Line switch and tone control; (B) Crystal filter switch with three positions, off, series and parallel; (C) CW beat pitch control; (D) Resonator (E) Crystal selectivity; (F) Manual Gain; (G) Band switch (six bands); (H) Automatic volume control and sending and receiving control monitor; (I) CW beat oscillator. Besides it has the R meter, the main tuning dial, the bandspread dial and a head-phone jack, which automatically cuts off the loudspeaker when fones are plugged in.

Since October 15 (to Dec. 6), I have logged a total of 611 stations. These include broadcast and relay, police, aircraft, commercial and amateur, although under amateur no USA amateurs below 5mc or North American amateurs above 5mc, have been included in the totals. No frequency range has been covered more than once and I have not even gotten over the entire spectrum as yet.

Even if you are not interested in a new receiver, I believe you would be well repaid to read the free booklet describing the RME-69 in every detail. It will give you an idea of the best receiving equipment that can be purchased, in my estimation. For those who are interested in quality of performance and precision workmanship as first, and price consideration as a secondary matter, you will be well repaid to investigate the RME-69.

IT SHOULD BE BORNE IN MIND AN RME 69 WILL BE AWARDED IN OUR CONTESTS

Short-Wave News

EST

EST

| | | | |
|--------------|-------------|-----------------------|-------|
| Jan. 3, Sun. | N'n-12:20pm | 14.35mc, Holland. | PAOFB |
| 24, Sun. | 2-2:20pm | 14.35mc, Holland. | PAOFB |
| Feb. 1, Mon. | 12:01-1am | 9.75mc, Havana, Cuba | -COCQ |
| Feb. 7, Sun. | 4-5pm | 15.30mc, La Paz, Bol. | CP7 |



STUDIO No 1, PRAGUE

The five stations to be logged in this month's BIG FIVE MYSTERY DX CONTEST will each be marked with an asterisk in the short-wave list (Between freq. and wave-length columns). For rules on the Big Five Contest, consult the December G.C.

EXCLUSIVE IDA SERVICE- a bulletin devoted entirely to S.W. reception of foreign amateurs, is to be edited monthly. Each issue will be sent ONLY to those interested enough in this field to contribute at least ONE item of interest for each issue. To get the first issue, write us at once enclosing your own item, or items, for publication. Be sure and give freq. call, day and hour, amateur was heard and any other information possible. Edward Schmeichel, famous dx'er and ham of 2939 S. Loomis Street, Chicago, Illinois, will be one of the editors of this important new IDA monthly bulletin.

KINDLY report any important bit of S.W. news AT ONCE. Regular monthly S.W. reports should be in this office by the 17th, but individual Stop Press items will be accepted up to noon of the next to last day of the month for our NEW STOP PRESS SHEET. Such an item, or items, should be sent by separate postal, or in separate envelope marked STOP PRESS. Regular reports should be written on one side of page only, lines doubled spaced, items divided into continents and time used stated. Items in order of relative importance are: new stations; frequency or schedule changes; identifying signals and correct addresses; commercial schedule tips; unusual receptions and station photos. Number of stars denotes importance of item. Four stars is highest rating. How many four-star (****) items can you contribute?

Items submitted by R.B. Oxrieder, director of IDA FREQUENCY CHECKING BUREAU will be identified by the initials RBO.

(E.S.T.)

NORTH AMERICA-CENTRAL AMERICA

(Megacycles used)

- ALASKA Amateur K7PQ-28.45, 350w, heard at 6pm. Owner-Richard J. Fox, Box 301, Ketchikan. (**Schmeichel)
- ANTIGUA Amateur (unlicensed)-VP2DA-14.065, 30w, heard 4:30-5pm. Owner-Theo. Derick, St. Marys St., St. Johns. (**Hock, Frost)
- BARBADOS Amateur VP6YB-14.05, heard at 7am. (*Sholin)
- CANADA New station CFRX-6.07, to relay CFRB, will start soon (RN) .. Sunday sked of CRCX-6.09, is now 3 to 11:30pm (Graham).. VE9CS-6.07, is owned by Standard Broadcasting System, 1001 Stock Exchange Building Vancouver. Power is 2 watts. (*Graham)
- COSTA RICA NEW-TIMS?, 5.905mc, Puntarenas, heard in evenings and signs off at 11pm in English. (**RBO).. TIRWS-7.55, Puntarenas, heard Sundays, 5-6pm (*Radio News).. TIEF, San Jose, broadcasting at present, near 6.687mc (*RBO)
- CUBA CLX-6.995 to 7mc, apparently under the supervision of the National Observatory at Havana, tests 9-10pm (no music), and works hams near 7am (*Johnson, Grahm, RBOO).. COHB is new call for CO9WR, Sancti Spiritus. (*RBO).. New-CLA5, reported on 14.65 and 15.2mc, Estacion del Gobierno, Havana, heard at 6:15 and 7:30pm (*Gozen, E.Roberts).. CMA5-15.505, Cuba Transatlantic Radio Corp., Havana, heard testing at 8pm. (Gozen).. Unidentified station on 6.645, announcing or mentioning Santiago de Cuba, heard irregularly in evenings (*RBO)
- D.R. HI1S-6.42, "La Voz de la Hispaniola," Puerto Plata, is increasing power to 200w (Graham).. HI2D-6.9, is best heard Saturdays, near 7pm (Gozen).. HI3C-6.73, heard broadcasting at 11pm (Sholin).. HI4V-6.475, now announcing location as San Francisco de Macoris (*RBO).. H1RA-now on 6.479. QRA- "La Pa-Doc En El Aire," P.O. Box 1312, Trujillo, (*RBO, Gozen).. H1RQ, Trujillo, apparently not on air at present, but occasionally leases time over HI4D (*RBO).. HI9B, Santiago, now on 5.824mc.

GREENLAND The amateur reported by many as NX2Z, was bootlegging this call and transmitting from an unknown location, since the real NX2Z, Ole Winstedt, actually travelled 1185 miles by dog sled between Sept. '35 and May, 1936, therefore was not using his xmtr. The false operator's name was Jerry Reed. Further information may be had by writing Winstedt, Radiostationen NX2Z, Kalundborg, Denmark (**Bink)

HAITI NEW-HH2R, unstable in frequency, near 9.49mc. Speaks French and modulation is terrible (**RBO).. HH3W-Port-au-Prince, now on 9.615. (**RBO).. HH3NW-6.346, off air. May be only temporarily. (**RBO)

LABRADOR NEW-VQWV, Northwest River, Labrador, owned by Newfoundland Skyways, Ltd, works CZ5K-M, of Dominion Skyways, Ltd., Quebec, near 6:45pm on 4.858mc (**Campbell) heard on 4.760mc, rag chewing near 8pm (**X.DX); VQWQ-8.63mc, also used irregularly in early evenings (*Peters)

MEXICO Unidentified Mexican on 15.4mc, heard 10 or 11am, badly cut up by inverted speech commercial, has 4 musical notes on chime at intervals (*Criswell).. NEW-XECU, 6.115, Guadalejara, heard 8 to 11pm (**Balbi, RBO).. NEW-XECW-6.045mc, Mexico, D.F., being heard 9pm to 1am. Announces in Spanish and English (**RBO, Balbi).. XEFT, Veracruz, back on 6.12mc. Will not use 9.505mc channel (*Nelson)

NICARAGUA E.H. Andreas, of YNOP, sends following information on stations of Nicaragua: YNOP-5.75R, "Radiodifusora Bayer," Managua, 1kW, works from 8:30 to 11pm or later; YNLF-9.65 (actually 9.662), "La Voz de Nicaragua," Managua, 250w, works weekdays 1-2pm and 7 to 10pm. RBO believes YNLF also uses additional freq. of 7.563mc occasionally; YNLGG-6.6 (actually 6.533), "La Voz de los Lagos," Managua, 100w, works weekdays from 1-2:30pm and 8 to 10pm; YNGU-9.3, "Alma Nica," Managua, 30w, works weekdays from 1 to 2:55pm and 6 to 8pm (Graham says 6 to 7pm and Sundays 1-2pm on 4.185mc); YNLG, ex YNVA-8.5 (actually 8.55), "Ruben Dario" Managua, 250w, works weekdays 1:30-2:30pm and 6 to 10pm. International Reply Coupons are not accepted in Nicaragua. Send USA 3¢ stamp.. YN2LT-7.2R (actually 7.315), "La Voz del Mombacho," Nicaragua, testing new xmtr and requesting reports (**Deibe, RBO)

U.S.A. A direct telephone circuit to Paris from the USA was opened Dec. 1. Xmtrs. are at Lawrenceville, N.J. and Pontoise, France, respect., while the receiving stations are at Netcong, N.J. and Noiseau, France.. Farnsworth Television, Inc., has been granted permission to erect a 1kW visual station, to operate on 60-86 and 42-56mc, at Springfield, Penna.. Clyde Criswell, Mission Ranch, Phoenix, Ariz., now has remarkable veri' from U.S. Treasury Dept. 731 Custom House, NYC, for their apex xmtr. which works on approximately 5 meters. This xmtr tests daily near 1pm and requests reports.. Exact time given from Arlington, Va., at 1, 2, 3, 4, 8 and 10am; 2, 4, 6, 7 and 10pm, except Sundays. Freq. used is 9.25mc. At noon 3 freqs. used are: 8.15, 12.225 and 16.3mc; at midnight 4.39mc. is used (**Graham).. WNC/WNK, Hialeah, have added El Centro, Santa Marta, Cartagena, and Medellin, Colombia, and Port-au-Prince, Haiti, as primary points of contact. New public coastal station with freqs. 2.514 and 4.2875mc, power 400w, will be erected at Hialeah (FCC).. Sked of WLXAL, Boston, is: 6.04mc, Mon/Tues/Fri 7-9pm, Sun. 5-7pm; 11.79mc, Mon to Fri, 5-6:30pm, Sat, 4-6pm, Sun 9:30-11pm and 6-10:15am irreg; 15.25, Sun 11-noon irreg.. Latin programs beamed on S.A. over W3XAL (6.1), daily ex. Sundays, at 8pm, inaugurated by NBC on Dec. 1 (NBC).. New Apex stations granted licenses: W3XFJ, Lynchburg, Va, 40w; W9XPN, Tuscola, Ill, and the Press Publishing Co., of Sheboygan, Wis., all to use freqs. 31.1, 34.6, 37.6 and 40.6 mc.. Apex W6XKG-31.6, Los Angeles, transmitting DX TIPS Mon/Wed/Fri at 2 to 2:30pm (*California Broadcaster)

SOUTH AMERICA

ARGENTINA LRX-9.66, Buenos Aires, now on from 6 to 10:30pm, daily.. LSX-10.35, Buenos Aires, broadcasts Mon/Fri 5-6pm; was on daily (some times in conjunction with LSD-8.83), at 11pm, during duration of Pan-American Peace Conference. (*Gozen, Sholin, Hutchinson, Stark, Sundberg) ... LSN-14.53, Buenos Aires, heard irreg. at 4:40pm, during Conference (*Messer).. LSN2-9.89, Buenos Aires, asking for reports to be addressed to the station heard daily during Conference from 8-9:10 pm; announcement and news in English. (*Messer, E. Roberts, Frost).. Station with call, LUA, Buenos Aires, heard on approx. 9.41mc, near 9pm (*E. Roberts)

BRAZIL PPQ-11.67, PPM-10.31 and PSH-10.22, all of Rio de Janeiro heard irregularly throughout Pan-American Conference, relay programs to New York (Hutchinson, Sholin)

B. GUIANA VP3MR, Georgetown (drifts badly), now on 5.985mc (*RBO).
CHILE CEC-10.67 and CED-10:23, now phoning each other near 9:30 pm (*C. Miller).. New-CB954-9.54, Santiago, heard at 8:30pm, with poor signal, due to interference from DJN (**Hock).

COLOMBIA Address of HKV-8.795, Bogota, is Ministerio de Guero, Bogota. (*Johnson).. HJLABB, after being off the air for some time, returned to 6.115mc, on Nov. 24. Broadcasts irregularly on the 31 meter band (*RBO) .. Address for HJLABJ-6.025, is Estacion Radiodifusora HJLABJ, "La Voz de Santa Marta," Santa Marta (CSWRC).. HJLABP-9.616, Cartagena, has an early morning broadcast, commencing at 7:20am (*Murphy).. Sked of HJ3-ABX-6.122, "La Voz de Colombia," Bogota, is daily 10:30am-2pm and 5:30-11:30pm, Sundays 6-11pm (*Graham).. HJLABH, Armenia, now on 9.52mc (unstable in freq.), announces in English before signing off between 9:30 and 9:45pm. "Indian Love Call," used as sign-off theme (*Nelson, RBO).

D. GUIANA PZH-6.996, Paramaribo, signs off with Dutch National Anthem at 9:40pm (*Chas. Miller)

ECUADOR Amateur HCEDC-14.068, heard between 5 and 8pm (*Hock)
URUGUAY NEW-Government Station CX44-6.125, relays CX6 (650Kc), "Estacion Oficial," Montevideo, from 8am to noon and 2 to 10pm (***CSWRC)

VENEZUELA YVIRG, now on 6.37, Valera, announces sked as 11am to 1:30pm but the station is heard irregularly in the evenings also. (*RBO, Graham); station is owned by J.L. Febres Jelambi and the xmtr. is located at "La Purisma." (CSWRC).. Sked of YV2RC-5.8, "Radio Caracas," Caracas, week days, 10:15am to 9:45pm, Saturdays to 10:15pm, Sun-8:30am to 9:30pm.. YV5RP-6.27, "La Voz de la Philco," P.O. Box 508, Caracas, transmits from 6:30 to 9:30pm. Often tests and calls Maracaibo and Meracay between 11 pm and midnight. Announces in English and Spanish (*RBO, Frost, Will, Murphy).. YV6RV-6.52, "La Voz de Carabobo," Valencia, operates from 10:30 to 1:30pm and 4:30 to 9:30pm (*E. Roberts).. YV7RM0, Maracaibo, has moved to 6.075mc (*RBO).. YV1ORSC, San Cristobal, is drifting between 5.71 and 5.72mc (*RBO).. YV1LRB, Bolivar, Venezuela, on 6.545mc, being heard from 8 to 10pm (Balbi).. YV15HV-5.917, "Radio Valencia," built by Laboratories Franco-Venezuelano of Maracay, and heard testing in this city late at night, will soon be moved to Valencia (*RBO)

EUROPE

AUSTRIA OER2, Ravag, Vienna, now on 11.8 (also heard on 11.78), operates, Mon to Fri 10am-5pm and Sat 10am to 5:30pm (***Peters, E. Radio).

BELGIUM A new 40Kw xmtr. will soon replace ORK's 9Kw xmtr.

CZECHO-SLOVAKIA Prague, now operating on 11.84mc, or 6.03mc, transmits in the mornings irregularly, the European program daily from 2:25 to 4:30pm, and to America on Mon/Thur, 7 to 9pm. The interval signal is a sort of Roman trumpet. The present omni-directional aeriels will soon be replaced with directional beams and regular transmissions will be inaugurated early in the new year. (**Ansell, Hutchinson, Fritsch, Campbell, Peters, Graham, Messer, RBO, X. DX and OLR)

ENGLAND GBP-10.77, Rugby, works VLK, mornings at 3:45am (*E. Roberts) .. See short-wave list for latest Daventry schedules.

GERMANY DAF-17.265, Norden, often phones near 1pm (*C. Miller).. DGH-10.44, Neuen, contacts Cairo irregularly near 3:30am (*Gozen).. DIP-14.41, occasionally broadcasts the Spanish program to C.A. from 5-5:45 pm, simultaneously with DZC (*Messer).. The call letters of a German speaking station on 7.09mc were understood to be DZA (*RBO)

ICELAND Present sked of TFJ-12.235, Reykjavik, Sundays 1:40 to 2:10pm (*Graham).. Commercial frequencies are: TFN-17.89; TFM 15.74; TFL 13.965; TFJ 12.235, and TFK 9.06 (*Earl Roberts)

ITALY IAC, Coltano, 17.75mc, heard phoning at 11am (*Hock)

NORWAY Station on 9.53, believed to have been LKJ1, logged on Sunday morning 4-5:30am. At 5am, several gongs were sounded, followed by a half-hour church service. Announcements were weak and in a language similar to German. Towards 5:30am QRM from ZBW3 became bad (*E. Roberts)

POLAND New sked of SPW-13.635, reported to be Mon/Wed/Fri-12 noon to 1pm (*Sholin). Can anyone verify this new schedule?

PORTUGAL CSW-9.94, Lisbon, conducted very successful 2 1/2-hour test transmission from 7am, Nov. 30, to 7am Dec. 1. CSW is on regularly at 3pm, and sometimes as early as 1:30pm (*X. DX, Sholin, Weatherly, Ambrosius, Gozen).. CT1AA, Lisbon, has been jumping about, being on 9.77mc for several days and now operating on 9.693 (*RBO, X. DX)

SPAIN EAQ-9.86, Madrid, operating almost daily from 3 to 5pm, in

addition to its regular evening schedule (*X.DX).. "Radio Regedi," on 7.2mc, gives news in Spanish from 3:30-4am. Lady announcer. Transmission opens and closes with a march (**Gozen).. ECP2, Barcelona, operating on 7.18mc, heard contacting amateurs near 2:30am (*Gozen).. Spanish mystery station on 9.51mc, badly QRM'ing GSB, heard in contact with MacKay Radio Co., on Sunday, Dec. 13, at 3:30-4pm (*Whitehouse)

SWEDEN Sked of SM5SX-11.705, Stockholm is daily 1:15-2:45am, 6:25 to 7am and 11am to 5pm ex. Sat. and Sun; Sat/Sun 7am to 5pm and 9am to 5pm, respect; Wednesdays 5-6pm for North America. (*Egyptian Radio)

SWITZERLAND-Starting Saturday, January 9, and each Saturday thereafter the Schweizerische Rundspruch-Gesellschaft, 30 Neunegasse of Berne, will transmit a foreign program for Swiss nationals abroad, over HBL-9.595, and HBP-7.797, from 7 to 8:40pm, with one aerial beamed on N.A. and one on S.A., depending upon weather conditions (**Kure)

TURKEY A station giving its call as TEE in CW and believed to be located in Turkey, seems to have a regular schedule with Cairo, Egypt, at 3:30am-the station operates on about 10.11mc (**E.Roberts)

U.S.S.R. Latest Moscow skeds: RNE-12, Moscow, Sun/Wed 6-7am, Sun 10-11am; RNE (RV59) -6, Moscow, Sun, Mon, Wed, Fri 4-5pm; RAN-9.6, Moscow, daily 7 to 8, and sometimes as late as 9:15pm. These are all English transmissions (*Inna Marr).. Soviet phone stations heard between mid-night and 6am intermittently on: 7.5, 7.63, 7.76, 8.65, 9.6, 10.07, 10.17, 10.46, 11.76, 11.96, 12.00, 12.06, 12.37, 12.88, 13.38, 13.45, 14.57, 14.67, 14.78, 14.95, 15, 15.04, 15.25, 15.48, 15.97, 16.43mc. The identities of most of these are unknown (**Evan Roberts, Mass.)

VATICAN A new 50kW xmtr. is to be built, for regular programs CITY directed to Australia, Japan, South America, etc. (Mercieca)

YUGOSLAVIA YTC-6.1, Belgrade, starts transmissions at 1am, with the news, followed by a concert; at 1:20am, the days program features are announced, followed by more music up to 2:30am, when the news is given in Serbo-Croatian; at 2:45am the news is given in French, and the station closes down at 3am. Sundays at 4am, church services are given. The regular day's program starts at 6:15am and continues to 9:15am. The last transmission is from noon to 5:15pm. The identification signal is the first two bars of Tchiakowski's "March of the Slavs" (**Ed Goss, Gozen, Reichardt, Coales, YTC); YTC heterodynes WQXF from 1 to 2am.

AFRICA

ANGOLA CR6AA-9.66, Lobito, heard 4:20 to 5:01pm (E.Roberts, Mass)

BEL. CONGO OPM-10.11, Leopoldville, contacts ORK at 2am (**Gozen).. OPL-20.01, Leopoldville, phones at 1 to 1:45pm irregularly (*E.Roberts)

CANARIAS EAJH 3-10.37, Tenerife, Canarias, plays two German, two Italian and one Portuguese anthems nightly between 7:05 and 7:10pm (*X.DX)

ERITREA IDU-13.38, Asmara, phones IAC, Coltano, Italy, mornings and occasionally tests with musical selections (*Johnson)

ETHIOPIA IUG-15.45, Addis Abeba, phones IAC, Coltano, Italy, daily except Sundays from 9 to 10am (**Evan Roberts, C. Miller).. IBS, San Paolo, Italy (actually near 14.48mc), phones Addis Abeba, at 6:45am and 7:45am. (**J. Miller, Johnson)

FRENCH FZER-9.75, Djibuti, heard phoning Paris at 2:37am on Dec. 4. SOMALILAND (**Schmeichel).. Veri', for report sent eight months ago, received from FZER-17.28, Djibuti. The xmtr. has a power of 5kW and regularly works telegraph with TYA2, Paris (**Edw. Goss)

KENYA VQG-19.62, Kenya, works GAD-19.48, at 7:35 to 8:15am (**Irv. Cohen).. For revised sked of VQ7LO-6.083, see list.

SO. AFRICA ZSS-18.89, Klipheuevel, phones GAQ, and GAU, Rugby, in early mornings. Send reports to Overseas Communications of S.A. Ltd., Box 692 -Capetown, Union of S. Africa (*RN); heard at 7:19am (**Joe Miller).. Amateurs heard: ZU6P (Zed-U-Six-F-as in Peter)-14.09, owned by Wm. P. Meyer, 24 Sandown Rd., Johannesburg, heard almost nightly between 10:30 pm and midnight. Bill, the opr. goes to work at 11pm (7am in S. Africa) and then his XYL can be heard at the Mike. Don't mistake her for Nellie at VE4WR (a little higher in freq.). Also heard at 1:20pm, and on 28.1 mc (**Schmeichel, Goodeve, DeMyer, Morrison, Frost, Evan Roberts).. Others heard: ZS6AF-14.06, How, at 11:45pm; ZS4J-14.065; ZU6K (K for Kilo) at 10:55pm, and ZS4J (*Frost, C. Miller, Schmeichel)

S. RHODESIA ZLJR-14.275, owned by J. M. Davidson, Box 870, Salisbury, may be heard on Saturdays at 11pm with strong signals (**Goodeve, E. Roberts)

S. MOROCCO EASAH, "Radio Teutan," Ceuta, heard on 7.7.1 and 7.165mc (RBO)

ASIA-AUSTRALIA

AUSTRALIA Despite rumors, VK6ME, Perth, apparently is NOT on the air as yet.. VK5DI-1.3.995, Adelaide S.W.Club, Adelaide, being heard Sundays, from 12:15 to 3:45am (Graham, Montreal).. VK3ME now on C.5mc (*RBO)

CELEBES YBZ-7.68, Menado, being heard irregularly (*Graham)

CHINA Chinese speaking station heard on 6.875mc, Wed, Dec 9, at 5:40-6:15am. Couldn't identify (Evan Roberts).. Chinese amateurs (20M), on phone are: XURMT, Shanghai; XURHW, Box 685, Shanghai, 35w; XU6AZ, Canton and XURTI (send cards via XURMW), won't disclose address (Plewman-China)

HONG KONG ZBW3-9.525 and ZBWH-15.19, operate simultaneously some days.. Power of xmtr. is 2.6kw.. Sked, Weekdays 11:30pm-1:15am; Mon/Thur. 4-10 am; Tues/WG/Fri 3-10am; Sat. 3-11am; Sun. 9pm-1:30am, and 3-9:30am (W. Radio, Graham, Weatherly, Tune In, Messer, Sholin*)

INDIA Present sked of VUB-9.565, Bombay, is usually Sun. 1:30-3:30 am; Tues/Thurs/Fri, 11:30am-12:30pm (*Tune In).. Amateurs heard are: VU2JN-14.02; VU7FY-14.3; VU2CQ-14.358/14.28, Bombay. All heard between, 6:45 and 7:45am (**Frost, Messer, Evan Roberts, Schmeichel)

JAVA Remarkable signals from Javeneese Stations, believed to be arriving from East, being recorded almost daily at 6-7pm in Nova Scotia (**E.L.Peters).. PLP-11, Bandoeng, is broadcasting daily ex. Sat. 6-7pm. Setting up exercises are given and clock strikes seven times at 6:40pm.. PMN-10.26, Bandoeng, is also carrying this schedule (**Chas. Miller)

JAPAN The Overseas hour to N.A., Mon/Thur, 4-5pm, recently transmitted over JZJ-11.8m Nazaki, will soon become a daily feature.. JZJ-11.8, may also soon replace JVH-14.6mc, on the daily Overseas hour from midnight to lam.. JVH is heard near 6pm with setting-up exercises and irregularly at 6:45. and 9pm with JOAK relays. The National Anthem, which is used at the close of all Overseas transmissions is "Kimigayo, "and notes of nine gongs from the second four bars of this song also serve as an identification signal (** Yamamoto, Frost, Messer, Criswell); those reporting to the Overseas Section of Nippon Hoso Kyokai, Atagoyama, Shiba, Tokyo, will be sent a beautiful verification card (Yamamoto

PALESTINE Rumors concerning a short-wave xmtr. in Jerusalem have NOT been definitely confirmed as yet (IDA)

P.I. KAY-14.08, Manila, heard calling Japan at 6:50am (*Sholin)
SIAM HSP-17.74, Bangkok, contacts Tokyo. Mon/Thurs, at 5am, and contacts Berlin right afterwards (**Joe Miller).. HS8PJ-0.35, Bangkok, heard Thursdays from as early as 7:30am to 10am; gives English news at 9am.. Although late veri' from Bangkok, gives Monday 8 to 10am sked, as on 15.77mc, it is being widely reported as on 19.02mc, which is evidently correct. (*Fritsch, Criswell, E. Roberts, C. Miller, Graham, Gozen)

TAHITI FORAA-7.1, Papeete, 200w, opens Tues/Fri 11pm transmission sked with clock striking SIX times, followed by playing of "Marseilles. Program is native music and announcements are made in French and Tahitian. Station usually signs at 12:30am, but sometimes is on as late as 12:45am (**Balbi, Sholin, Smalley, Evan Roberts, DeMyer, Nelson)

U.S.S.R. RIO, Baku, is officially transmitting on 10.16mc (*RBO)

SHIP ZMBJ-R.84mc, "The Ears & Voice of the Tasman," S.S. Awatea, owned by Union Line, plying between N. Z. and Australia, power 300-400 watts, may be heard testing and playing music, between 1 and 3:30am, and sometimes as late as 7am (**Hyde, Ambrosius, Smalley, E. Roberts, J. Miller)

(Short-Wave List cont. from Page 19)

| | | | | |
|--------|-------|---------|-----------------------|-----------------------------------------------|
| 51.07 | 5.875 | HRN | Tegucigalpa, Honduras | 6:30-8, 8:30-10pm. |
| F51.24 | 5.855 | HILJ | San Pedro, D.R. | 11:40-1:40p, 6:10-8:40pm. |
| 51.28 | 5.850 | YV5RMO | Maracaibo, Venez. | 10:45-12:40pm, 4:45-9:45pm except Sundays. |
| B51.55 | 5.82 | TIGPH | San Jose, C.R. | N'n-2pm, 7-11pm except Sun. |
| 51.72 | 5.80 | YV2RC | Caracas, Venezuela | 5:15-9:30pm, Sun 3:30-9pm. |
| 51.90 | 5.78 | OAX4D | Lima, Peru | Wed/Sat 9-11:30pm. |
| F52.10 | 5.758 | YNOP | Managua, Nicaragua | 8:30-11pm or later. |
| 52.26 | 5.74 | TGS | Guatemala, Guat. | Sun/Wed/Thurs 6-9pm. |
| 52.30 | 5.735 | HCLPM | Quito, Ecuador | Tuesdays 9-11pm. |
| 52.45 | 5.72 | YV1ORSC | San Cristobal, Venez. | 5:30-9:30pm ex. Sun. |
| N52.45 | 5.72 | | Khabarovsk, U.S.S.R. | 10pm-10am. |
| 52.45 | 5.72 | TI5EH | San Ramon, C.R. | Evenings irregular. |
| 65.22 | 4.60 | HC2ET | Guayaquil, Ecuador | Wed/Sat 8-10pm. |
| 70.20 | 4.273 | RV15 | Khabarevsk, U.S.S.R | 11pm-11am. |

SHORT-WAVE BROADCASTING STATIONS

SYMBOLS: N- New stations; F- Change in frequency; S- Change in sked. C- Change in frequency and sked; U-Exact frequency in doubt; B- Frequency calibrations according to Oxrieder-IDA Frequency Bureau; J- Jumpers- stations persisting in hopping about; V-Variable in frequency

| WAVE METERS | MCS | CALL | STATION | TIME | E.S.P. |
|-------------|--------|-------|-------------------------|------------------------------|-------------|
| 15.77 | 19.02 | HS8PJ | Bangkok, Siam | Monday 7 or 8am to 10am. | |
| 16.86 | 17.79 | GSG | Daventry, England | 6-8:45am | |
| 16.87 | 17.785 | JZL | Nazaki, Japan | | 16M |
| 16.87 | 17.78 | W3XAL | Boundbrook, N.J. | 9am-5pm. | (East Asia) |
| 16.89 | 17.76 | DJE | Zeesen, Germany | 12:05-5:15, 5:55-11am to | |
| 18.72 | 16.03 | KKP | Kahuku, Hawaii | Sundays 8:30-9pm. | |
| N19.48 | 15.40 | | Mystery Mexican | Heard near 10 or 11am. | |
| 19.52 | 15.37 | HAS3 | Budapest, Hungary | Sunday 9-10am. | |
| 19.56 | 15.34 | DJR | Zeesen, Germany | 8-9am to Central America. | |
| 19.57 | 15.33 | W2XAD | Schenectady, N.Y. | 10am-3:45pm, Mon to 4:30pm. | |
| 19.585 | 15.32 | OLR | Prague, Czechoslovakia. | | |
| N19.60 | 15.31 | GSP | Daventry, England | 3-5am, to Australasia. | |
| S19.62 | 15.29 | LRU | Buenos Aires, Arg. | 6am-5:55pm. (12:25pm Sun. | |
| 19.63 | 15.28 | DJQ | Zeesen, Germany | 6-8, 8:15-11am, 11:10am- | |
| 19.64 | 15.27 | W2XE | Wayne, New Jersey | 1-5pm. | |
| 19.66 | 15.26 | GSI | Daventry, England | 12:15-4pm to Africa | 19M |
| F19.67 | 15.25 | W1XAL | Boston, Mass. | Sundays 11am-noon irreg. | |
| 19.68 | 15.243 | TPA2 | Pontoise, France | 2-2:40am, 5:55-11am. | |
| 19.71 | 15.22 | PCJ | Eindhoven, Holland | Sun 7:30-8:30am, Tues 4:30- | |
| | | | | 6am, Wed 8-11am. | |
| 19.72 | 15.21 | W8XK | Pittsburgh, Penna. | 9am-7pm. (Sun 11:10a-12:20 | |
| 19.74 | 15.20 | DJB | Zeesen, Germany | 12:05-5:15, 5:55-11am, - | |
| 19.75 | 15.19 | ZBW4 | Hong Kong, Hong Kong | Mon/Thur 4-10am, Tu/Wd/Fr | |
| | | | | 3-10am, Sa 3-11am, Su 3-9:30 | |
| 19.76 | 15.18 | GSO | Daventry, England | 3-5am to Australasia. | |
| 19.79 | 15.16 | JZK | Nazaki, Japan | Tu/Fr 2-3pm, Mon/Thur 4-5pm | |
| S19.80 | 15.15 | YDC | Bandoeng, Java | 5:30-11am. | |
| S19.82 | 15.14 | GSF | Daventry, England | 9am to noon to India. | |
| 19.84 | 15.12 | HVJ | Vatican City, Italy | 10:30-10:45am. (sun 6-8am. | |
| 19.85 | 15.11 | DJL | Zeesen, Germany | Mid-2am, 11:35-4:30pm, 8-9pm | |
| 20.04 | 14.97 | LZA | Sofia, Bulgaria | Su 12:30-8, 10am-4:30pm, M/W | |
| | | | | F/S 5-7am, Tu/Th 1-3pm. | |
| S20.55 | 14.60 | JVH | Nazaki, Japan | 12-lam; evenings irreg. | |
| 22.00 | 13.635 | SPW | Warsaw, Poland. | Mon/Wed/Fri 12:30-1:30pm. | |
| S24.52 | 12.235 | TFJ | Reykjavik, Iceland. | Sundays 1:40-2:10pm. | |
| S25.00 | 12.00 | RNE | Moscow, U.S.S.R. | Su/Wed 6-7am, Sun 10-11am. | |
| 25.21 | 11.90 | XEM1 | Mexico D.F. | M/T/F 3-4pm, Tu/Th 7:30- | |
| | | | | 8:45pm/T/Th/F 10pm-mid etc | |
| 25.24 | 11.885 | TPA3 | Pontoise, France | 2-4:40, 2:55-5am, 12:15-6pm. | |
| 25.27 | 11.87 | W8XK | Pittsburgh, Penna. | 7-10pm. | |
| 25.32 | 11.85 | DJP | Zeesen, Germany | 11am-4:30pm-exp. to Africa | |
| 25.34 | 11.84 | HT2T | Port-au-Prince, Haiti | 8:30-9:30pm irregular. | |
| F25.34 | 11.84 | OLR | Prague, Czechoslov. | 2:25-4:30pm, Mon/Th 7-9pm. | |
| 25.36 | 11.83 | W2XE | Wayne, New Jersey | 5-10pm. | |
| S25.40 | 11.81 | 2R04 | Rome, Italy. | 6:45am-12:30pm. (1am irreg. | |
| S25.42 | 11.80 | JZJ | Nazaki, Japan | Mon/Thur 4-5pm; daily mid- | |
| F25.42 | 11.80 | OER2 | Vienna, Austria | Mon to Fri 10am-5pm, Satur- | |
| | | | | day 10am-5:30pm. (Sun irreg | |
| S25.43 | 11.79 | W1XAL | Boston, Mass. | Th/F 6-6:30pm, Sat 4-6:30pm | |
| 25.49 | 11.77 | DJD | Zeesen, Germany | 11:35am-4:30pm to Africa. | |
| S25.53 | 11.75 | GSD | Daventry, England | 12:15-5:45, 6-8, 9-11pm., | |
| 25.55 | 11.74 | HP5L | David, Panama | | 25M |
| U25.58 | 11.73 | F31CD | Saigon, Indo-China | Signs-off at 9:30am. | |
| 25.58 | 11.73 | PHI | Huizen, Holland | S/M/Th/Fr/Sa 8:30-10:30am. | |
| 25.60 | 11.72 | CJRX | Winnipeg, Canada | 7-12m, Sa 4p-1a, Su 3-9:30pm | |
| 25.61 | 11.714 | TFJ4 | Pontoise, France | 6:15pm-1am. (Wed 5-6pm. | |
| S25.63 | 11.705 | SH5SX | Stockholm, Sweden | 1:45-2:45am, 6:25-7, 11am-5p | |
| 25.68 | 11.68 | KIO | Kahuku, Hawaii | Wednesdays 8-8:30pm. | |
| F27.24 | 11.435 | COCX | Havana, Cuba | 8am-1am, Sun 8am-1m, 6-9pm. | |
| 27.27 | 11.00 | PLP | Bandoeng, Java. | 5:30-11am, 5:40-6:40pm. | |
| 27.53 | 10.74 | EDX | Las Palmas, Canarias | 9:30-10:15pm irregular. | |

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|--------|-------|-----------|-----------------------|------------------------------------------------------------------|
| 28.12 | 10.67 | CEC | Santiago, Chile | 7-7:15pm. |
| 28.14 | 10.66 | JVN | Mazaki, Japan | 4-7:40am and irreg. |
| V28.93 | 10.37 | EAJ43 | Tenerife, Canarias. | 6-8 or 9pm. |
| 28.98 | 10.35 | LSX | Buenos Aires, Argen | Mon/Fri 5-6pm & irreg. |
| 29.04 | 10.33 | ORK | Ruyselede, Belgium | 1:30-3pm. |
| S29.24 | 10.26 | PMN | Bandoeng, Java | 5:30-11am, 5:40 to 6:40pm |
| V30.18 | 9.94 | CSW | Lisbon, Portugal | 3 to 7pm, (on at 1:30pm ir |
| V30.43 | 9.86 | EAQ | Madrid, Spain | 3-5pm irreg, 5:15-10pm. |
| V30.78 | 9.746 | COCQ | Havana, Cuba. | Relays CMQ- 7am-lam. |
| V30.94 | 9.698 | TL4NRH | Heredia, C.R. | 9-10 11:30pm-midnight. |
| J30.95 | 9.693 | CT1AA | Lisbon, Portugal | Tues/Thur/Sat 4-7pm. |
| V31.04 | 9.652 | YNLF | Managua, Nicaragua | 2-3 and 8-11pm. |
| U31.06 | 9.66 | CR6AA | Lobito, Angola | Wed/Sat 3:45-5:30pm. |
| S31.06 | 9.66 | LRX | Buenos Aires, Argen | 6-10:30pm. |
| 31.09 | 9.65 | YDB | Sourabaja, Java | 5:30-11am. |
| B31.11 | 9.645 | HH3W | Port-au-Prince, Haiti | 1-2, 7-8:30pm. |
| U31.12 | 9.64 | CQN | Macao, Macao. | Mon/Fri 7-8:30am. |
| 31.12 | 9.635 | 2R03 | Rome, Italy | M/W/F 12:40-7:30pm, T/Th/S 12:40-7:45pm, Sun 1:20-5:30 |
| V31.20 | 9.618 | HJ1ABP | Cartagena, Colombia | 11am-1pm, 5-11pm, Sun 5-8pm |
| 31.23 | 9.605 | HP5J | Panama City, Panama | 11:45-1:15pm, 7-10pm. (pm |
| S31.25 | 9.60 | RAN | Moscow, U.S.S.R. | 6-8pm; irregularly to 9:15 |
| 31.25 | 9.60 | CB960 | Santiago, Chile | 10:30am-noon, 6-8:30pm. |
| S31.27 | 9.595 | HBL | Geneva, Switzerland | Sat 5:30-6:15, 7-8:40pm. |
| 31.28 | 9.59 | PCJ | Eindhoven, Holland | Sun 2-3pm, 7-8pm; Tues 1:30 3pm; Wednesday 7-10pm. 31M |
| 31.28 | 9.59 | VK2ME | Sydney, Australia | Sun 1-3, 5-11am. |
| 31.28 | 9.59 | W3XAU | Philadelphia, Penna | Noon-8pm, Sun Noon-7pm. |
| 31.32 | 9.58 | GSC | Daventry, England | 4-5:45, 6-8, 9-11pm to NA |
| 31.32 | 9.58 | VK3LR | Melbourne, Austr. | 3:30-8:30am, Sun 3-7:30am. |
| B31.34 | 9.575 | HJ2ABC | Cucuta, Colombia | 6-10pm except Sundays. |
| S31.35 | 9.57 | W1XK | Springfield, Mass. | 6:30-lam, Sun 8am-lam. |
| S31.36 | 9.565 | VUB | Bombay, India | Sun 1:30-3:30am, Tu/Th/Fr 11:30am-12:30pm. (-10:45pm |
| 31.38 | 9.56 | DJA | Zeesen, Germany | 12:05-5:15, 5:55-11am, 4:50 |
| 31.45 | 9.54 | DJW | Zeesen, Germany | 12:05-5:15, 5:55-11am, 4:50 to 10:45pm to S.A. |
| 31.45 | 9.54 | VPD2 | Suva, Fiji's. | 5:30-7am, except Sundays. |
| 31.45 | 9.54 | CB954 | Santiago, Chile. | Reported heard at 8:30pm. |
| S31.46 | 9.535 | JZI | Mazaki, Japan | Tu/Fr 2-3pm, Mon/Th 4-5pm. |
| S31.48 | 9.53 | W2XAF | Schenectady, N.Y. | 4pm-midnight; Mon 3:30-mid |
| 31.48 | 9.53 | LKJ1 | Jeløy, Norway | 6-11pm. |
| 31.50 | 9.525 | ZEW3 | Hong Kong, Hong Kong | -see sked on 15.19mc. |
| J31.51 | 9.52 | HJ1ABH | Armenia, Colombia | 6-9:30pm. (pm, 6-8, 9-11pm. |
| S31.55 | 9.51 | GSB | Daventry, England | 3-5, 6-8:45, 9-Wn, 12:15-5:45 |
| 31.55 | 9.51 | HJU | Buenaventura, Colom | Mon/Wed/Fri N'n-2, 8-11pm |
| 31.58 | 9.50 | HJ1ABE | Cartagena, Colombia | 4-11pm except Sundays. |
| 31.58 | 9.50 | PRF5 | Rio de Janeiro, Brz | 4:45-5:45pm ex. Sundays. |
| F31.58 | 9.50 | VK3ME | Melbourne, Austr. | 4-7am except Sundays. |
| R31.61 | 9.49 | HH2R | Port-au-Prince, Haiti | heard in evenings irreg |
| 31.67 | 9.475 | EAH (NDZ) | Madrid, Spain. | Approx. 4-5pm irreg. |
| 31.73 | 9.45 | TGWA | Guatemala, Guat. | 8-10, 11pm-mid, to 5am Sun. |
| 31.80 | 9.428 | COCH | Havana, Cuba. | 7am-mid, Sun 8-9pm, 11:30am to 1:30pm, 6-9pm. |
| 31.84 | 9.415 | PLV | Bandoeng, Java. | Tu/Th/Sat 10-10:30am irr. |
| S32.09 | 9.35 | HSSPJ | Bangkok, Siam. | Thursdays 7 or 8 to 10am. |
| N32.26 | 9.30 | YKGU | Managua, Nicaragua | 1-2:55, and 6-8pm. |
| 32.88 | 9.125 | HAT4 | Budapest, Hungary. | Sunday 6-7pm. |
| 33.53 | 8.948 | ICJB | Quito, Ecuador | 7-11:30pm except Mondays. |
| 33.94* | 8.84 | ZMBJ | S.S. Awatea | 1-3:30am irreg. |
| 34.11 | 8.795 | HKV | Bogota, Colombia | Mon/Thur 7-7:30pm. |
| 34.26 | 8.75 | ZBW | Hong Kong, Hong Kong | 4-10am irreg. |
| 34.66 | 8.665 | CO9JQ | Camaguey, Cuba | 5:30-6:30pm irregular. |
| V35.09 | 8.55 | YNLG | Managua, Nicaragua | 1:30-2:30, 6-10pm. |
| J36.36 | 8.25 | EC2CW | Guayaquil, Ecuador | 7:30-11pm except Sundays. |
| B37.20 | 7.854 | HC2JSB | Guayaquil, Ecuador | 6-10:30pm except Sundays. |
| S38.47 | 7.797 | HBP | Geneva, Switzerland | Sat 5:30-6:15, 7-8:40pm. |
| 39.74 | 7.55 | F18WS | Puntarenas, C.R. | 5-7, 8:30-10pm, Sun 5-6pm. |

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|---------|-------|----------|--------------------------|---------------------------------------------------------------|
| 39.74 | 7.55 | YNLF | Managua, Nicaragua | Evenings irregularly |
| S39.87 | 7.52 | KKH | Kahuku, Hawaii | Wed 8-8:30am, Tues 12:30-1a |
| 40.00 | 7.50 | YNAN | Managua, Nicaragua | Heard 9-10pm. |
| 40.65 | 7.38 | XECR | Mexico D.F. | Sun 7-8pm. |
| 40.68 | 7.375 | YNLAT | Granada, Nicaragua | 8-10pm irreg. |
| N41.00 | 7.315 | YN2LT | Managua, Nicaragua | Testing in evenings. |
| N41.67 | 7.20 | | Radio Regedi, Spain | Gives news 3:30-4am. (later |
| S42.25 | 7.10 | FO8AA | Papeete, Tahiti | Tues/Fri 11pm to 12 or- |
| 42.80 | 7.01 | E8AB | Tenerife, Canarias | Mon/Wed/Fri 3:15-4:15pm |
| J42.80 | 7.00 | EA9AH | Ceuta, S. Morocco | 4:30-7pm irreg. |
| B42.80 | 7.00 | PZH | Paramaribo, D. Guiana | Mon/Wed/Fri 5:40-9:40pm. |
| V42.89 | 6.995 | CLX | Havana, Cuba. | Tests 9-10pm. |
| S43.48 | 6.90 | HI2D | Trujillo City, D.R. | Heard Saturdays at 7pm. |
| 43.51 | 6.895 | HCETC | Quito, Ecuador | Thursdays 8-10:30pm. |
| S43.99 | 6.82 | XGOX | Nanking, China | 5:30-9:40am |
| V44.09 | 6.805 | HI7P | Trujillo City, D.R. | Evenings irregular. |
| V44.28 | 6.775 | HIH | San Pedro, D.R. | 7:40-9:10pm except Sunday. |
| 44.44 | 6.75 | JVT | Nazaki, Japan | 4-7:40am. |
| 44.51 | 6.74 | HCLTQ | Quito, Ecuador | Sundays 5-7pm. (11pm. |
| S44.58 | 6.73 | HI3C | La Romana, D.R. | 6:10-7:40pm; irreg late as |
| 44.60 | 6.727 | PMH | Bandoeng, Java | 5:30-11am. |
| V44.86 | 6.687 | TIEP | San Jose, Costa Ric | 7-10:30 or 11:30pm ex. Sun |
| B45.22 | 6.635 | HC2RL | Guayaquil, Ecuador | Sun 5:30-7:30pm, Tu 9-11pm |
| 45.25 | 6.630 | HIT | Trujillo City, D.R. | 12:10-1:40pm, 5:40-8:40pm. |
| B45.29 | 6.625 | PRADO | Riobamba, Ecuador | Thursdays 9-11pm. |
| J45.42 | 6.605 | EA9AH | Ceuta, S. Morocco | 4:30-7pm irreg. |
| 45.60 | 6.578 | HCVT | Ambato, Ecuador | Broadcasts irregularly. |
| 45.63 | 6.575 | | Managua, Nicaragua | Evenings irregularly. |
| 45.76 | 6.555 | HI4D | Trujillo City, D.R. | 5:10-8:10pm ex. Sundays. |
| 45.80 | 6.55 | TIRCC | San Jose, C.R. | 7-9:30pm. |
| S45.84 | 6.545 | YV11RB | Bolivar, Venezuela | 8-10pm. |
| T45.92 | 6.533 | YN1GG | Managua, Nicaragua | 1-2:30, 8-10pm. |
| 46.01 | 6.52 | YV6RV | Valencia, Venezuela | 10:30am-1:30pm, 5:30-9:30pm |
| 46.15 | 6.50 | TIOW | Port Limon, C.R. | 10-11:30am, Sunday 2-3pm. |
| F46.15 | 6.50 | HIL | Trujillo City, D.R. | 5:40-7:40pm ex. Sundays. |
| F46.31 | 6.479 | HI8A | Trujillo City, D.R. | 5:40-7:40pm ex. Sundays. |
| 46.34 | 6.475 | HI4V | S.F. de Macoris, DR | 5:10-10pm ex. Sundays. |
| 46.73 | 6.42 | HI1S | Santiago, D.R. | 6:10-8:10pm ex. Sundays. |
| 46.80 | 6.41 | TIPG | San Jose, C.R. | 6-11:30pm. |
| 46.88 | 6.40 | YV9RC | El Valle, Venezuela | 5:30-9:30pm ex. Sundays. |
| J46.95 | 6.39 | YV1RH | Maracaibo, VeneZ. | 6:50-10:45pm. (Sun |
| 47.02 | 6.38 | YV4RC | Caracas, Venezuela | 11am-1pm, 5:30-9:30pm ex. |
| F47.10 | 6.37 | YV1RG | Valera, Venezuela | 5:30-8:30pm. |
| 47.20 | 6.357 | HRP1 | San Pedro Sula, Honduras | 7:45-10pm ex. Sundays. |
| B47.27 | 6.346 | HI3NW | Port-au-Prince, Haiti | Not heard recently. |
| 47.32 | 6.34 | HIX | Trujillo City, D.R. | Tues/Fri 8:10-10:10pm. |
| V47.54 | 6.31 | HIZ | Trujillo City, D.R. | 5:10-7:40pm ex. Sundays. |
| 47.62 | 6.30 | YV12RM | Maracay, Venezuela | 6-10pm except Sundays. |
| 47.76 | 6.282 | COHB | Sancti Spiritus, Cuba | 4-6, 9-11pm ex. Sundays. |
| 47.77 | 6.28 | HIG | Trujillo City, D.R. | 8:10-9:40pm, T/F 6:40-8:10p |
| 47.85 | 6.27 | YV5RP | Caracas, Venezuela | 6:30-9:30pm or later. |
| B47.92 | 6.26 | OAX4G | Lima, Peru. | 7-11pm. |
| V48.05 | 6.243 | HIN | Trujillo City, D.R. | 7:10-9:10pm. |
| 48.11 | 6.235 | HRD | La Ceiba, Honduras | 8-11pm. |
| B48.39 | 6.200 | COKG | Santiago, Cuba. | 8-9am, 11am-2pm, 5-9pm. |
| N48.39 | 6.200 | XEX (X2Z | H Mystery, Mexican | heard irregularly in eve. |
| V48.47 | 6.19 | HILA | Santiago, D.R. | 10:40a-1:40pm, 6:40-9:40pm. |
| V48.59 | 6.174 | XEXA | Mexico D.F. | 8-10am, 3-5, 7-11pm. |
| B48.73 | 6.156 | YV3RC | Caracas, Venezuela | 3:30-10pm. |
| 48.78 | 6.15 | CB615 | Santiago, Chile | 4-7pm. |
| V48.78 | 6.15 | HI5N | Santiago, D.R. | 6-7am, noon-2pm, 6-9:30pm. |
| 48.78 | 6.15 | CJRO | Winnipeg, Canada. | 7-mid, Sa 4pm-1am, Su 3-9:30 |
| S48.81* | 6.147 | ZEB | Bulawayo, S. Rhodesia | Mon 11am-11pm, Tu/T 1:15-3:15 pm, Sun 3-4:30am, F 10-10:45 |
| V48.82 | 6.145 | HJ4ABU | Pereira, Colombia | 7-8pm except Sundays. |
| 48.86 | 6.140 | W8XK | Pittsburgh, Perna. | 10pm-1am. |
| J48.87 | 6.138 | HJ4ABD | Medellin, Colombia | 8-11pm. (Su 5:30-7, 10-12:30 |
| S48.88 | 6.137 | CR7AA | Laurencio, Mozambique | 4:45-6:15am, 12:45-3:15pm; |

| | | | | |
|---------|---------|------------|------------------------|--------------------------------------------------------------|
| 48.93 | 6.132 | VE9HX | Halifax, N.S. Canada | Relays CHNS irregularly |
| 48.93 | * 6.132 | VP3BG | Georgetown, B. Guiana | Sundays 5pm and irreg. |
| 48.94 | 6.13 | ZGE | Kuala Lumpur, FMS | Sun/Tues/Fri 6:40-8:40 am. |
| 48.94 | 6.13 | COCP | Havana, Cuba. | N'n-lam, Sun 10am-4, 8-10pm. |
| 48.98 | 6.125 | CXAL | Montevideo, Uruguay | 8am-noon, 2-10pm. |
| SL49.01 | 6.122 | HJ3ABX | Bogota, Colombia | 10:30a-2:30pm, 5:30-11:30pm |
| 49.01 | 6.122 | OAX4P | Lima, Peru | Noon-lpm, 9-11pm. |
| 49.02 | 6.12 | W2XE | Wayne, New Jersey | 10-11pm. |
| 49.02 | 6.12 | XEFT | Veracruz, Mexico | 7:30pm-midnight. |
| J49.06 | 6.115 | HJ1ABB | Barranquilla, Colom | 6-10pm except Sundays. |
| N49.06 | 6.115 | XECU | Guadalajara, Mexico | 8-11pm. |
| 49.10 | 6.11 | GSL | Daventry, England | Not on air at present |
| 49.11 | 6.109 | VUC | Calcutta, India | Sa 9:35-Su 2:05am, Su 7:05-10:35; daily 1:35am on. |
| 49.11 | 6.108 | HJ4ABB | Manizales, Colombia | 8-10pm ex. Sun, Sat to 11pm. |
| 49.18 | 6.10 | W3XAL | Boundbrook, N.J. | 6-11pm, Sat 6pm-lam. |
| 49.18 | 6.10 | W9XF | Chicago, Illinois | 11pm-2am, (5:15pm. |
| SL49.18 | * 6.10 | YTC | Belgrade, Yugoslavia | 1-3am, 6:15-8:15am, noon-7:30-10:30pm. |
| BL49.20 | 6.097 | HJ4ABE | Medellin, Colombia | 11:45pm-12:30am, 3:30-7am, 9am-4pm, Sat to 4:45pm. (11:30pm. |
| SL49.20 | 6.097 | ZTJ | Johannesburg, S. Afr | |
| 49.22 | 6.095 | JZH | Nazaki, Japan | |
| SL49.26 | 6.09 | CRGX | Bowmanville, Canada | 5:30-11:30pm, Sun 3pm-7-10pm. (5:45-6:15am etc. |
| 49.30 | 6.085 | HJ5ABD | Calli, Colombia | 11:30am-2:30pm, Mon to Fri-5:30-7am, 4-11pm. |
| SL49.32 | 6.083 | VQ7LO | Nairobi, Kenya | 6:40-8:40am ex. Sundays. |
| SL49.34 | 6.08 | W9XAA | Chicago, Illinois | 7-10:30pm. |
| 49.34 | 6.08 | ZHJ | Penang, S.S. | |
| 49.38 | 6.075 | HP5F | Colon, Panama | 5-10pm except Sundays. |
| BL49.38 | 6.075 | YV7RMO | Maracaibo, Venezuela | 6-7:30pm, Sun 1:45pm-lam. |
| N49.42 | 6.07 | VE9CS | Vancouver, B.C. (2w) | Will be on air shortly. |
| N49.42 | 6.07 | CFRX | Toronto, Canada | 7pm-midnight ex. Sundays. |
| BL49.41 | 6.069 | HJ3ABF | Bogota, Colombia | 1-6:30pm, Sun 11am-7pm. |
| 49.50 | 6.06 | OXY | Skamlebaek, Denmark | 8-11pm. (-Thurs 5:40-8:10am |
| 49.50 | 6.06 | W3XAU | Philadelphia, Penna. | Sat 10:40pm-1:10am, Mon/Wd 6:30am-8pm, 11pm-2am, S 8-8p |
| J49.50 | 6.06 | ZHI | Singapore, S.S. | 7pm-midnight. |
| SL49.50 | 6.06 | H8XAL | Cincinnati, Ohio | 6:30-7:45am. |
| BL49.59 | 6.05 | WJ3ABD | Bogota, Colombia | 9pm-lam. |
| 49.59 | 6.05 | | Colombo, Ceylon | 6:30-10pm ex. Sundays. |
| N49.63 | 6.045 | XECW | Mexico D.F. | Sun 5-7pm, Mon/Fri 7-9pm. |
| 49.65 | 6.042 | HJ1ABG | Barranquilla, Colom | 2:30-8:30pm. (be off air. |
| SL49.67 | 6.04 | WLXAL | Boston, Mass. | 8-10pm except Sundays, May 7-11pm except Sundays. |
| 49.67 | 6.04 | PRA8 | Pernambuco, Brazil | 8-10:45pm. |
| SL49.71 | 6.035 | HJ4ABC | Ibague, Colombia | 2:25-4:30pm; Mon/Thur 7-9pm |
| BL49.72 | 6.033 | HJ4ABP | Medellin, Colombia | 10am-midnight. |
| 49.75 | 6.03 | HP5B | Panama City, Panama | 5:30-10:30pm ex. Sundays. |
| N49.75 | * 6.03 | OLR | Prague, Czechoslov. | 10pm-lam. |
| 49.75 | 6.03 | VE9CA | Calgary, Canada | 11:35-4:30pm, 4:50-10:45pm |
| 49.79 | 6.025 | HJ1ABJ | Santa Marta, Colom. | 4:40-9:40pm except Sundays |
| BL49.83 | 6.02 | XEUW | Veracruz, Mexico | 4-11pm, Sunday 4-9pm. |
| 49.83 | 6.02 | DJC | Zeesen, Germany | 7:55am-10pm or later. |
| V49.86 | 6.017 | HI3U | Santiago, D.R. | 6-6:30am. |
| 49.91 | 6.012 | HJ3ABH | Bogota, Colombia | Will be on the air soon. |
| 49.92 | 6.01 | COCO | Havana, Cuba. | Tananarive, Madagascar 10-11am. |
| 49.92 | 6.01 | VK9MI | S.S. Kanimbla | Montreal, Canada 7:45am-lam, Sun 9am-11:15pm |
| 49.92 | 6.01 | CJCX | Sydney, NS, Canada | Panama City, Panama 8:30-10am, 1-2, 7-10pm. |
| SL49.92 | 6.01 | FTU | Tananarive, Madagascar | Mexico D.F. 10am-1:45am. |
| 49.95 | 6.005 | CFCX | Montreal, Canada | 6.00 RNE (RV59) Moscow, U.S.S.R. Sun/Mon/Wed/Fri 4-5pm et |
| 49.95 | 6.005 | HP5K | Panama City, Panama | 6.00 OAX4J Lima, Peru 7-11pm. |
| 49.97 | 6.003 | XEBT | Mexico D.F. | |
| N50.00 | 6.00 | RNE (RV59) | Moscow, U.S.S.R. | |
| 50.00 | 6.00 | OAX4J | Lima, Peru | |
| V50.08 | 5.99 | HJ2ABD | Bucaramanga, Colom. | 6-10pm. |
| J50.13 | 5.985 | VP3MR | Georgetown, B. Guiana | 4:45-8:45pm, Sun 8:45am |
| V50.38 | 5.955 | HJN | Bogota, Colombia | 11am-2pm, 8:30-10:30 ex S. |
| V50.64 | 5.925 | HH2S | Port-au-Prince, Haiti | 7:30-9:30pm ex. Sundays. |
| S50.71 | 5.917 | YV15RV | Valencia, Venezuela | 5pm-midnight. |
| 50.72 | 5.914 | HH2S | Port-au-Prince, Haiti | 7:30-9:30pm ex. Sundays. |
| V50.86 | 5.899 | YV8RB | Barquisimeto, Venez | 5:30-9:30pm es. Sundays. |

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HEINIE JOHNSON, MGR.

January 1, 1937

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Rough Faced One-fourth
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