

# THE GLOBE CIRCLER

MAY - JUNE  
1943

COMPLETE GUIDE-BOOK FOR SHORT-WAVE LISTENERS



IDA MEMBER ALEX KINGHORN, A STAFF ENGLISH ANNOUNCER OF COK, HAVANA, CUBA

- \*NOTES ABOUT THE WORLD'S SHORTWAVE BROADCAST STATIONS
- \*WORLD LIST OF SHORT-WAVE BROADCAST STATIONS BY FREQUENCY, WITH COMPLETE OPERATING SCHEDULES.

INTERNATIONAL DX'ERS ALLIANCE

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# The GLOBE CIRCLER

PUBLISHED MONTHLY

CHARLES A. MORRISON  
EDITORINTERNATIONAL DX'ERS ALLIANCE  
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MAY-JUNE 1943

NUMBER 112

The Mid-Summer edition of the GLOBE CIRCLER will be mailed on or about July 1.

## INTERNATIONAL DX'ERS ALLIANCE CLUB NOTES

### NEW MEMBERS

L.E. McNamara, Los Angeles, Calif... Newton McLeod, Dixfield, Maine... Ellert Stangeland, Juanita, N.D. .... Lt. A.L. Tippett, Radio Intelligence Platoon, Camp Vandorn, Miss... L.T. Neidow Jr., Chicago, Ill... J.M. Heisey, W. Philadelphia, Penna... John L. Gould, New York Times, New York City... James Varnum, Kirkwood, Mo... Arthur Carfagni Jr., San Francisco, Calif... S.C. Atkinson, Regina, Sask., Canada... Norman Badler, Los Angeles, Calif. ... J. Van Horne, Univ. of Ill., Urbana, Ill.

**RENEWALS:** W.R. Pierce Jr... Perry Ferrell... Thomas Hale... H. Harrow... J.T. Campus... Stanley Savage... Rbt. Acton... George J. Hiss... Royal Danish Legation... Edw. H. DeBaecke... David Levin... Robt. White... Chas. Sutton. ... L.D. Towns... Art. R. Willis... Francis Hartle... L.M. Clark... John H. May... Ferrill Moreland... David Thomas ... J.E. Souviney... Ralph Gozen... Eddie Sloan... Gustav Magnuson... Grady Ferguson... Hank Bennett... J.F. Hoak. ... Arthur Long... August Balbi... Martin Garvey... W.A. Heflin... James Forrest... Hal Newell... Ashley Walcott... Nick J. Hock... (Contributions)- W.A. Heflin... G. Magnuson... L.D. Towns... Chas Sutton... Stanley Savage... J.T. Campus.

**NEW REGIONAL MONITOR:** Gilbert L. Harris, North Adams, Massachusetts.

### WANTED OR FOR SALE

**FOR SALE--** DB-20 preselector in A-1 condition--\$30.00, by Tom Becker, 802 So. LeRoy St., Fenton, Mich... **WANTED--** An A-1 communications receiver, preferably an HRO. Write to A. Hankins, 1006 Ligonier St., Latrobe, Penna., giving full details and price wanted... **WANTED--** A good Frequency Standard, or Frequency Monitor, by Walter Madigan, 552 West 183rd Street, New York City, N.Y... **WANTED--** Stamp collectors in the U.S. who would like to trade U.S. stamps for used Canadian stamps. Art. R. Willis, 103 Stanley Street, St. Thomas, Ont., Canada... **WANTED--** An Eveready "Mini-Max" battery for a small "camera-size" portable radio, by Pvt. E. T. Cook, Co. A, 52nd Bn., Camp Wolters, Texas

**IDA IN THE ARMED FORCES--** Edgar Cook (formerly Los Angeles), is now in an infantry communications division at Camp Wolters, Tex... "Training is stiff, and I am down to 125 lbs. but feeling fine," says Pvt. L. Herz, at Ft. Bragg, N.C... Reported as "Missing", and believed to be a pris. of war, Lt. Chas. D.E. Blow, Radio Section of R.A.F., 63TL, stationed at the



Eric. W. Watson, back in Christchurch, N.Z., following a severe illness in Great Britain.

Seletar Radio Station, Singapore, when that Airdrome fell to the Japanese. Home address is 87 High St., Stevenage, Herts, England... H. Johnson, Los Angeles, in the Naval Reserve, and awaiting call... Robt. Skyten, is now going to Air Force Advance Radio School, Madison, Wisc. Bob is from E. Brookfield, Mass... N. Pagenhardt, Hickory, N.C. after a brief period in the army is now home again with an M.D. ... E. Roberts (Indianapolis) is now at the Army Air Base, Casper, Wyo... Perry Ferrell, ex-UHF editor for IDA, is now "somewhere in India"... Billy Lyerly (Ft. Worth), now S/2 recently underwent an appendectomy at the Naval Training Base at San Diego, Calif... R. White (Savannah, Georgia), is now in the Signal Corps Reserve at Atlanta, Ga... R.C. Dutcher, Ballston Spa, N.Y. has been inducted... A.E. Martin, St. Helens, Lancs, England, of the Royal British Navy, recently spent a few weeks in the U.S.A... Steve Mann, V-12 Reserve, Dartmouth, Univ., became engaged to Miss Ellen Banta of N.Y.C. during the month of March.

# SHORT WAVE NOTES

EDITOR-IN-CHIEF--CHARLES A. MORRISON

ASSOCIATE EDITORS: J. Wilson, A. Balbi, G. Ferguson, Rudolph Juett, Thos. Jones

**PRESS DEADLINE FOR JULY-AUGUST GLOBE CIRCLER: JUNE 9. THE JULY-AUGUST GLOBE CIRCLER will be mailed on, or about July 1.**

Shortwave information is vitally important. We need notes. Please submit items as follows: Use one side page only.... Double space lines...Group items by continents...Be sure to state time used. We are most interested in items pertaining to: NEW stations; changes in freq. or schedule; times for news in English, or other languages; times of peak reception for the weaker stations or those of timely interest; detailed authentic information concerning station schedules, power addresses etc. It is imperative that any important items reach me by fastest mail.

The merit of an item may be judged by the number of stars (ranging from 1 to 4) with which it is marked. In crediting items the general geographical location of that member- if in N.A.- is shown as: E-Eastern; C-Central; W-Western. If foreign, the country, or an abbreviation of that country is given.



**Pvt. Leo Herz,  
Ft. Bragg, N.C.**

## SHORTWAVE NOTES

- E.W.T. NORTH AND CENTRAL AMERICA E.W.T.**
- ALASKA** WXH (9.92), heard working WVD, Seattle, at 4:45 p.m. K7XBS (17.48), Fair banks, relays programs to KEM/KUN, Saturdays 6:30-7pm irreg. WXLO (11.55), heard calling WVD, Seattle, after 7pm (Allen, Schultz-W, Stephenson-C\*\*)
- B.R.T. HONDURAS** ZIK2 (10.6), after long absence, is now heard 9-9:20pm irreg. with news in English. Also believed on 3:10-3:30pm (Baxter-E\*)
- CANADA** The new CBC Shortwave Station will not be on the air until late this winter or next spring (CBC)...CGP (7.335), Prince Rupert, heard with CBC news at 8:45pm (Fern-W)...CBRX (6.16) & CKFX (6.08), Vancouver, operate 9:30am-2:30am (Stoneman-W)...CFVP (6.03) operates 8:30am-2am (Fern-W)...After a 2 years absence, CJRX (11.72), Winnipeg, is back on the air and relays CJRC, 1-5:30pm; CJRO (6.15), relays CJRC, 7-10pm (to 12 mid. irreg.); Eng. news at 1:30, 5:15, 7, 7:30, 9pm (\*Schultz, Balbi, Picard, Fern, E. Allen-W, Anderson, Harris, Prendergast, Wilson, Cobb, Becker, Juett, Pagenhardt, Jones, Ferguson, Madigan, Gozen, Newell, Baxter, Young-E.
- C.R.** TI2RS (7.45), "Radioemisora Athenea," Heard recently Sun. 7:30-10pm.
- CUBA** CMZL, "Voice of Democracy", is now on 7.19 (Jones, Sutton-E, Van Auken, Stephenson-C)...COKG operates on 8.955-65 to 6:30pm; on 8.99, 7:15-11:30pm app. (Radiomania)...COK's studios are in the huge Sports Palace, Havana; the transmitter is on "Principe Heights." COK broadcasts Eng. news at 12 Noon, 3:30, 6, 9pm; has feature, "The Voice of Liberty" at 7pm (COK)...NEW: COX (9.64), Ministry of Education, Havana, inaugurated Mar. 20, relays CMZ, approx. 12:50pm-12 mid. (\*Jones, Juett, Becker, Newell, Ferguson-E, Balbi-W)
- CURACAO** PJCL is heard on 5.936 only at present; 7.23 not heard (Gozen, Jones)
- D.R.** NEW: HI?? (5.85), Santiago, operates 7:40pm-12 mid. (\*Jones-E)...HIL now seems to be on 6.055 (Jones-E)...HILJ (6.026) signs-off at 8:25pm (Gozen-E)...HIG is now on 9.10 (Jones, Baxter-Juett-E)...HIGH (6.115) has not been heard for some time (Jones-E)...HI9B is on 6.38 (Baxter-E)
- EL SALVADOR** YSR is now on 6.26 (Jones-E) (Jones-E)
- HAITI** HHBM (9.658) is jumping to 9.668; HH3W (10.13) is jumping to 9.625
- MEXICO** XEFT (9.543) is jumping to 9.518 (Jones-E)...XERQ (9.615), heard Sun. coming on air at 8:55am; relayed BBC news at 9am (Juett-E)...XETW is on 6.045.. XEXA is on 6.175 (Gozen-E)
- PANAMA** HP5G (11.78) has first Eng. news at 9:30am; broadcasts "You Can't Do Business with Hitler," Sundays at 9:45pm (Juett-E)...HP5K (6.005), Colon, has Eng. news at 11pm (Johnson, Picard-W)
- U.S.A.** Associated Broadcasters, Inc., San Francisco, Calif. have been granted a construction permit for a new 50 KW station to operate on 6.06, 7.23, 9.57, 11.87, 15.29 and 17.76 (FCC)...The following U.S. stations and frequencies are currently in use: KES2 8.93; KES3 10.62; KGEI 7.25, 11.79, 15.13; KRCA 9.49; KWID 7.23, 9.57, 15.29; KWU 15.355; KWV 10.84; KWY 7.565; WBOS 6.14, 11.87, 15.21; WCBX 9.49, 9.65, 15.27; WCDA 6.06, 11.83; WCRC 6.17, 11.83, 17.83; WCW 15.85; WDJ 7.565;

WDL 9.75; WDO 14.47; WGEA 6.19, 7.00, 11.8475, 15.33; W GEO 9.53, 9.65, 15.33; WKRD 7.82, 9.8975, 12.9675; WKRX 7.82, 9.8975, 15.19; WLWO 6.08, 9.59, 11.71, 15.25, 17.80; WNBI 9.67, 15.15; WOO4 8.66; WRCA 11.893, 17.78; WRUL 7.805, 11.79, 15.35; WRUW 6.04, 9.70, 15.35, 17.75; WRX 9.905. Current operating schedules shown in the list (OWI, COIAA, NBC, CBS, KGET; Wilson, Baxter, Ferguson, Harris, Pagenhardt, Sutton, Heisey, Newell, Neidow, Allen, Cobb-E, Roemer, Van Auken, Stephenson-C, Picard, Stoneman, Fern-W)

### SOUTH AMERICA

ARGENTINA An unidentified Argentine or Uruguay station on 11.95, operating in the network with CXA14 (11.84), CXA8 (6.053), and LRY (9.64), is heard 4-11:05pm. (Ferguson, Jones, Baxter-E, Balbi-W)...LSN2 (9.89) is heard 7:45-8:15am (Jones-E)

BRAZIL PRE9 (6.105) has not been in use for some time (Jones-E)...PRAB (6.015), "Radio Pernambuco", now operates 5-10pm (Jones-E)...PRL8 (11.715), is now broadcasting to Latin America, 4:45-9:55pm; to N.A. daily ex. Sun, 10-11pm. The 9.50 frequency is not in use at present (Wilson, Baxter, Katelus-E, Balbi, Stoneman-W)...PSE (14.935) is off the air (Jones-E)...PSH (10.22), PSL (7.935), PSF (14.69), heard calling CP4C & CP7F, La Paz, at 9:20pm (Young-E)...PSH (10.22) now operates 6:30-8:15, 8:15-8:48pm (ex. Sun); Eng. news at 8:30pm (\*Jones, Ferguson, Sutton, Heisey-E)

COLOMBIA HJCF (6.24) opens its evening program at 7:30pm (Allen-E)...HJFB's (6.105) Sunday sked is 6:30-10:15pm (Jones-E)

CHILE CEC (10.67) seems to be off the air (Jones-E)...An unidentified Santiago station on 11.85 is heard 6pm-12 mid. Uses 3-note chime before announcements (\*Jones-E)...CELL70 (11.70) is still heard 8-11pm; qrm'ed by CBFY (Juett)

ECUADOR HCJB signs-off at 3:45pm afternoons; often heard evenings to 11pm; has a program for Spain, Sun. at 4pm (Heisey, Young-E, Picard-W)...HCLBS (9.355), "Radio Teatro Bolivar, Voz de la Victoria", Quito, P.O. Box 696, relays HCLBD, from 8pm or earlier to 11:30pm (\*\*Newell, Baxter, Jones, RL-E)...HC2ET (9.19), often has Eng. lessons at 8pm (Jones-E)...An unidentified Ecuador station on 7.345 is being heard to 12 mid. (Jones-E)

PARAGUAY ZPA5 (11.95), Encarnacion, relays "Radio Belgrano", nightly to about 11:05pm. This may be the station in the network with CXA14, CXA8 & LRY mentioned under Argentina. (Ferguson, Harris, Sutton-E, Balbi-W)

PERU OAX4H is now on 6.33 (Jones-E)... "Radio America" or "Radio Nacional de Peru", powerful new Lima station, now on the air, is operating simultaneously on 5.935 and 9.295, approx. 5pm-1am. On April 1, it joined CBS' Network of the Americas (\*\*Jones-E, CBS)...OAX5C is back on 9.54 (Jones, Juett-E)

URUGUAY The unidentified station on 11.95 (LR??, CX?? or ZPA5), relays "Radio Belgrano", with CXA14 (11.84), CXA8 (6.053), LRY (9.64), 7:30-9am, 4:30-11:05pm. (Baxter, Ferguson, Jones-E)

### AFRICA

ALGERIA "Radio France" (12.12), now broadcasts in French, 2-4, 7-9am, 1-5:30, 5:45-6:15pm (Juett, Ferguson, Harris-E). "Radio France" (8.96), broadcasts in foreign languages approx. 1:30-2, 4-4:45, 5-5:30pm (Jones-E)...AFHQ (Allied Force Headquarters, sends press and programs to networks, 8-9:45am on 15.98-16.035 mcs (8am to NYC, 8:15am to London, 8:30am Press to NYC, 9:25am Press to London); also 6:25-7:45pm on 8.955-8.965mcs. (Jones, Roberts, Sutton, Baxter, Becker, Cobb, Heisey, Ferguson-E, Neidow, CAM-C)

ANGOLA CR6RA (9.47) is now heard 3:30-4:30pm; Sun. 11:30am-1pm (Jones-E\*)

BEL. CONGO "Radio Congo Belge" is heard: 2-2:15pm on 11.72, 6.28; 2:15-3:45pm on 11.72, 6.28, 17.775. "Radio National Belge" is heard approx: 1-1:30, 2:30-2:45, 3:15-3:30, 4:30-4:45pm on 18.265; 2:15-3pm on 9.555; 3:15-3:30, 4:30-4:45pm on 11.67 (Wilson, Becker, Ferguson, Jones, Sutton, Young, Baxter, Allen-E, Picard, Balbi-)

CANARIAS EAJ43 has been heard several times recently on 7.26 where it was qrm'ed by JVV (7.257) from 6:00 to 6:30pm. EAJ43 ordinarily works on a frequency of 7.275, 6-7pm (Jones-E)

EGYPT Egypt is now on Summer Time. The Cairo broadcasts are now approx. 6:30-6:45am over SUZ (13.829); 9-9:15am, 11am-1:15pm over SUX (7.867); 3-5pm, over SUX (7.867), and SU? (7.50) (\*\*Jones-E)...Veri' for SUV from the Marconi Wireless Telegraph Co. of Egypt received in 9 months. Went through British, Egyptian and American censorship (\*Young-E)

GOLD COAST From Mar. 21-24 incl. only, Radio Accra, conducted tests on 15.428, daily 3:45-4, 7:15-7:30am, 2:15-2:30pm. The latter period was heard with great signal strength (\*Becker, Jones, Ferguson, Baxter, Harris, Ferguson-E, CAM-C)..... According to a letter from Accra, ZOY (6.002), still operates 6:30-7:15am, 12:15-3:15pm. Broadcasts in Twi, Hansa, Fanti, as well as English, are featured (Becker)

KENYA VQ7LO (10.73), is now heard 9:15-10am regularly, 10:15-11am irreg. The 2-3pm period has apparently been dropped. Recordings are heard irreg. 9:15-9:45am



During this period English announcements and identifications are heard (read by a man with a British accent). The rest of the program is in native languages. The program concludes with the playing of "God Save the King". (Jones-E)

MADAGASCAR "Radio Tananarive" (varies 9.695-9.700), is being heard weakly 8:30-9:30am (irreg.), and 10:30am-12 Noon (regularly). The transmission opens with "God Save the King". (\*\*Jones-E)

MIDDLE CONGO "Radio Club" ( 9.300 & 9.98), is heard daily 2-3:20, 5-5:30pm; relays French news from FZI (11.97) at 3:00 & 5:00pm. Recordings are broadcast 2-3pm. The announcer is a woman; a man reads the news. The freq. of 12.27 is not in use at present (\*\*Becker, Baxter, Jones-E, Harris-E)

MOROCCO Rabat now broadcasts about as follows: 2:30-2:50am on 9.082; 7-9am on 13.965 or (12.83); 11-11:30am on 11.94; 2-6:45pm on 9.082 and/or (8.035)... Program pickups for American networks are sometimes made over 11.94 (\*Allen, Jones, Baxter, Ferguson, Sutton, Harris, Becker-E, Burton-Eng.)

MOZAMBIQUE CR7BE (9.843) now operates 2:25-5pm. News in English is broadcast at 4:50pm (\*Ferguson, Becker, Jones-E)

RHODESIA According to a letter from Accra, Rhodesian stations are operating about as follows: ZEA (6.00), Salisbury, 1:30-2pm (French & Portuguese); ZPQ (5.26), 11:30am-12:30pm; VQ2CM (7.265), Luanshaya, 1-1:30pm (\*Becker-E)

SENEGAL Radio Dakar is heard currently as follows: 8:15am-8:50am on 15.345, and 8.220; 3:15-5:15pm (Sun/Mon/Tues) & 3:15-5:45pm (Sat/Wed/Thurs/Fri), on 15.345 & 8.220. The 5-5:45pm period is in Arabic (\*\*Jones, Juett, Mann, Sutton, Harris, Ferguson, Baxter, Gozen, Heisey-E, Balbi-W, Burton-Eng.)

SO. AFRICA So. Africa having returned to Standard Time all SABC schedules are now one hour later, for example, the 11:45pm period now begins at 12:45am and can be heard to sign-off at 2:30am over ZRK (6.097), ZRD (5.945), ZRH (6.007), and ZR? (5.882). ZRL (9.628, 9.62 or 9.608), is now heard weekdays to 11:45am. ZRG (9.523) is heard to 11:30am and ZRO (9.755) weakly to 10am (\*\*Baxter, Juett, Sutton, Jones, Ferguson-E, Balbi, Allen-W)

#### EUROPE

CLANDESTINE Azad Moslem Radio operates 9:30-9:45am on 15.22; Voice of Free India operates 10-11:55am on 15.22, 9:00-11:05pm on 9.59; National Congress Radio operates 12:15-12:55pm on 15.22, 11:15pm-11:55pm on 9.59 (Wilson, Gozen, Jones, Baxter, Harris, Becker-E, Hefflin-C, Allen-W)... Radio Himalaya (15.435) is being heard again irreg. 10-10:30am (Jones-E)... German Workers Station is being heard 12:50-12:58, 1:50-1:58 etc. hourly through 4:50-4:58pm on 9.49, then 5:50-5:50 etc. through 10:50-10:58pm on 6.22 (Jones, Harris, Roberts-E)... Sudetendeutscher Freieitsender, anti-Nazi, heard on 11.935, 10:35-10:55am irreg. (Baxter-E)... Radio Metropole's schedule is now one hour earlier as follows: 4-7, 9-11am on 11.925, 12 Noon-1pm on 9.48, 2-6pm on 6.1 (Jones-E)... Radio Denmark (9.705) is now being heard 2:15-2:30pm very irreg. (Jones, Sutton-E)... Croatian Freedom Station (11.37) is now heard 2:30-2:40pm (Jones-E)... German Catholic Station is being heard on a new freq. of 6.095, 6:15-6:28pm, 9.64 & 9.966 are apparently not in use at present (Jones-E)... Gustav Siegfried Eins now operates on 6.19 & 9.482 only (Becker, Harris, Newell, Jones-E)... Hungarian Nations Radio (11.635), is heard Sun. (sometimes Sat/Mon also), 7:15-7:30, 9:15-9:30, 11:15-11:30am, 12:15-12:30, 1:15-1:30pm (Gozen, Jones-E)... Radio Patrie (9.72) is now heard 2-2:30pm (Jones)... A Yugoslav undercover (11.79) operates daily 3-3:25, 7-7:25pm; mostly music (Baxter, Jones-E)... A new Belgrade station on 7.42 is heard approx. 4-8pm irreg. (Jones-E)... A new Dutch freedom station on 6.275 is heard irreg., 5:15-5:30pm in Dutch (Jones-E)... A new Slovak undercover station on 9.59, or 9.62, is heard 1-1:30pm (Jones-E)... An unknown station on 11.96 is heard daily to sign-off with an unknown anthem at 1:50pm. A woman talks in French & English (Baxter-E)

AZORES Ponta Delgada has reverted to Summer Time; broadcasts currently 3-4pm on 7.02; 5-7pm on 4.02 (Becker, Jones-E)

ENGLAND Numerous changes have been made in BBC Overseas and European Services... Most of these will be found in the station list- Ed... The new schedule of the North American Service follows: To N.A.: 5:15pm-12:45am over GSC (9.58); 5:15-10:45pm over GRG (11.68); 7:30pm-12:45am over GSL (6.11); 7:15-7:30, 10:45pm-12 Mid. over GRT (7.15); 10:45pm-12:45am over GRX (9.69); to C.A.: 5:30pm 12:45am over GRH (9.83); 5:30-7:15pm over GSD (11.75); 7:30pm-12:45am over GRN (6.195); 10:45pm-12:45am over GRM (7.12); to S.A.: 5:15pm-12:45am over GRG (11.68); 9:45pm-12 mid. over GRS (7.06)... The Troops Program is now broadcast: 11:45am-2:30pm over GSF (15.14); 2:15-5:00pm over GSB (9.51); 2:00-6:45pm over GRS (7.06); 12:30-2:00pm over GSE (11.86); 4-5pm over GSE (11.86); 5:15-6:45pm over GRY (9.60)... GRS is now on 7.06; GRR is back on 6.08; GRG is on 11.682.... GSU (7.26) and G?? (11.78) are new BBC frequencies now in use (Wilson, Jones, Juett, Baxter, Allen, Heisey, Gozen, Madigan-E, Van Auken-C, Balbi, Picard-W)

- FINLAND Lahti stations OIX4 (15.19), OIX3 (11.785), OIX2 (9.495) operate as follows: 6:15-6:45, 9:15-9:50am to NA, 1-2, 3:30-7:05, 8:25-9:10 & 11:05-11:50pm to NA; Eng. news at 9:15am, 1:30, 6:15, 8:15, 11:05pm (\*\*Jones, Juett, Ferguson, Harris-E)... OIX1 (6.12), Helsinki, heard twice recently near 5:45pm (\*\*Jones-E)
- FRANCE Toulouse (7.28) is now heard 1:20-3:55, 5:45-6pm (Jones-E)
- GERMANY A number of changes have been made in Berlin's transmissions. These will be found in the list.-Ed... In the Berlin program to N.A., names of American flyers captured by the Germans are read daily at 7:14pm; names of, and messages from, American soldiers in German prison camps are read by O.K. at 9:03, 11:05pm, 12:05, 1:05am. On Saturdays at 10:30pm, in a program called "Calling Back Home", letters from American prisoners are read (\*\*Cobb, Becker, Baxter, Juett, Allen-E, Balbi-W)... The 12:30pm English news broadcast over DJD (11.77) is not heard anymore (Gozen, Wilson-E)... DJD (11.77) now broadcasts to Asia from 1:00 a.m. on (Balbi-W)... DXE (21.72) broadcasts to Africa, 7-8:15am... DJL (15.11) broadcasts Eng. news to England now 8:30am only. DXT (15.23) carries the N.A. Service from 7 to 9:15am (Wilson)... DXZ (9.57) now broadcasts 1:30-3pm; DXU9 (9.59) now broadcasts 3-8:30pm (Jones-E). Other corrections by (Ferguson, Juett, Wilson, Baxter, Becker, Gozen, Allen-E)
- HUNGARY The Budapest to Europe program is now broadcast 12 Noon-6pm on 9.125; Eng. news at 4:25pm (Jones, Baxter, Ferguson, Allen, Becker-E)
- ICELAND Reykjavik's program for the Blue Network may be heard Tuesdays, at approx. 7:20pm over TFJ (12.235) (Cobb, Ferguson-E)
- ITALY 2R022 varies in freq., 11.94-11.95; 2R03 varies in freq., 9.625-9.640; 2R018 varies in freq., 9.78-9.80 (Baxter, Jones-E)... Rome now broadcasts to E.NA: 7:45pm-12 mid. over 2R03 (9.63), 2R04 (11.81), 2R022 (11.95); to W.NA: 12:30-1:30 am over 2R03 (9.63), 2R04 (11.81), 2R06 (15.30); Eng. news at 8:30, 9:30, 10:30, 11:30 pm, 1:00am (\*Newell, Juett, Allen, Becker, Wilson, Baxter, Pagenhardt-E, Neidow-C, Balbi-W)... IRV2 (7.575) and I-- (9.555) are now heard 3:30-4:30pm (Jones, Wilson)... Other English news-casts from Rome may be heard daily: 3:15am on 15.047-11.81; 3:20am on 15.300-9.630; 8:25am on 2R024 (15.465), 2R017 (19.59); 9am on 17.82-11.95-7.22; 10:20am on 15.465-11.810; 12:20pm on 15.465-11.810; 3pm on 7.22-6.22; 3:30pm on 15.300-11.810-9.630; 4:10pm on 11.810-9.630; 5pm on 15.300-9.79-11.810-7.22-6.29-6.22 (Wilson, Jones, Gozen-E, Picard-W)
- NORWAY Norway has gone on Summer Time, thus LKJ (9.54) is now being heard 2:30-6:30pm (Jones-E)
- PORTUGAL All Portuguese schedules have been moved ahead an hour, thus: Lisbon to Portugal (now on 5.86), 3:30-7pm; 7-9am on 11.72 (was on 12.27 for a while); 1-5:30, 5:45-7:45 pver CSW6 (11.04); 8-9pm to NA over CSW7 (9.74). CS2WD (6.155) now operates 3:30-6pm (\*Jones, Gozen, Baxter, Harris, Ferguson, Allen, Juett, Newell-E, Sutton-E, Balbi-W)
- ✗ ROUMANIA "Radio Bucharest" (9.255) now operates 3:45-5:00pm; Eng. news at 4:55 pm (Jones-E)
- ✗ SLOVAKIA "Radio Bratislava" (9.503) is back on the air and being heard 6:50 to 7:45pm. Has 9-note piano tuning signal 6:50-7pm; Slovak anthem at 7pm, followed by the news in English read by a woman. News in Slovak is given at 7:05 & 7:30 pm. Signs-off with Slovak anthem (\*\*Becker, Baxter, Jones-E)
- SPAIN Oviedo (7.135) is heard irreg. 3-5:30pm (Jones-E)
- SWEDEN SBT (15.155) and SBP (11.705) seem to have an early morning program ending at 8am (Allen-E)... SBO (6.065) has been heard several times recently operating to approx. 5:30pm (Jones-E\*)
- SWITZERLAND Bern's present schedule is about as follows: 1:40-8am over HER3 (6.165); 8:15-8:45am over HER5 (11.865); 2-5:45pm over HER3 (6.165) & HER5 (11.72); 7:45-9:15pm over HER4 (9.54) & HER5 (11.72); 9:30-11pm ex. Sat. to N.A. over HER4 (9.54) & HER3 (6.165); Tues/Sat, 2:45-4:15am to Australia, over HER5 (11.865); Sat. 12:30-2pm to So. Africa on 11.96 (\*\*Juett, Jones, Becker, Sutton, Allen, Gozen, Katalus, Ferguson)
- U.S.S.R. Soviet frequencies heard lately and times heard follow (EWT):  
Kuibyshev (14.300), heard Sat. to 11:30am sign-off... Moscow (12.165) broadcasts to the Orient 7-7:25am... Moscow (12.06) still heard at 11:30am... Moscow (11.95) heard in Eng. at 2:40pm... Moscow? (11.66) heard to 10am... Moscow (10.445) heard at 9:10pm... Moscow (9.86), heard 9-9:30pm or later... Komsomolsk's (9.545) early transmission concludes at 6:55am... Kuibyshev (8.05) heard at 8am... Moscow (7.56) is heard opening at 5:30pm; Eng. news at 6pm... Soviet (7.45), heard 8-8:30am with Moscow (7.177)... Moscow (7.36), heard 4:30-7:30, 8-8:20pm... Moscow (7.30) has Eng. news at 5 & 6pm... Moscow (7.21 & 7.177), operate 5:50-7:30pm... Moscow (6.24) is heard 5:50pm on... Soviet (6.075) closes at 5:30am (Jones, Baxter, Gozen, Harris, Juett, Allen-E, Van Auken-C, Fern, Walcott-W)
- ✗ VATICAN CITY HVJ also operates Sun. 12-12:30pm on 15.095, 8:30-9:15pm on 11.74 mcs.

**AUSTRALIA** N.A. Transmissions from Australia remain the same. Portions of the ABC Home Service have been heard approx. as follows: 4:30-8:00pm over VLR8 (11.76), & V?? (9.66); VLG7 (15.16) (to 6:10pm); 9:45-11:50pm over VLG6 (15.23); 9:45pm-4:15am over VLR3 (11.88); 4:45-9:30am over VLR (9.58), VLG? (7.24); 1:00-10:45am over VLW6 (9.68) (Ferguson, Pagenhardt, Baxter, Becker, Wilson, Jones-E, Van Auken, Allen, Johnson, Fern, Balbi-W)... VLI9 (7.28), replacing VLI4 (7.22), broadcasts 5:30-6am with VLG3 (11.71) (Baxter, Campbell-E, Van Auken-C)

**CELEBES** The Jap controlled station on 7.165, heard 6-9am, 6-8, 11pm-12 mid., with Japanese & Malayan music and features, still has not been definitely placed as to location. It may be at Makassar? (Baxter, Ferguson-E, Van Auken-C, Allen-W)

**CHINA** Chungking's present schedule follows:

6:00-7:00am to Asia on 7.18, 15.19	12:30-1pm to N.A. on 7.18, 9.62
7:00-7:30am to Japan on 7.18, 15.19	2:30-4pm to East Asia on 7.18, 9.62
7:35-10am to So. Seas on 7.18, 9.62	4:00-5:00pm to Europe on 7.18, 9.62
10-11:35am to N.A. on 7.18, 9.62	(Tuesdays), 8-8:45pm to China on 15.19
11:35am-12:30pm to Europe on 7.18, 9.62	(Ong, Walcott, Balbi, Allen-W, Juett-E)

... XGCA (9.625), "Kalgan Central Broadcasting Station", North China, broadcasts daily 7-9am, occasionally qrm'ing XGOY. Program is all Chinese, and mostly music. The announcer is a woman who repeats the call slowly in English. At sign off 9 chimes are heard (\*\*Becker, Baxter, Juett, Pagenhardt-E)... NEW: XGEA (6.18), heard 9:00-10:05am with all-native program. Location unknown (\*\*Balbi-W)... XGOI operates currently on 7.48 & 9.66; 7:15-10am (not 6.11) (\*Balbi, Fern-W)..... The Chinese station on 6.11 is XGOW, Hankow; it operates 5-10:15am, with English news at 7:45am. It may move to 6.34 according to an announcement (\*Walcott, Balbi, Fern-W? Cushen-N.Z.)... XGRS (9.68) operates 6pm-1, 3-10am (Becker, Baxter-E)

**HONG KONG** JZHA (9.483) now operates 7:30-8:30am only (Balbi-W)

**INDIA** India stations have been heard as follows recently:

VUC2 (4.84) heard 9:00-10:00am irr.	VUD6 (11.79 replacing 9.67), heard 7:15-9:50am, 9-10pm (Eng. news 9am, 9:45pm.)
VUB2 (4.88) heard 9:00-10:00am irr.	
VUC2 (7.21) heard 9:30-11:15am.	VUD3 (15.29) heard to 8:15am (Eng. 8am.)
VUD2 (7.295) heard 7:30-11am, 9-10:30pm (Eng. news at 8am & 9:45pm.)	

(Sutton, Baxter, Jones, Becker, -E, Krumlinde, Balbi, Fern-W)

**INDO CHINA** "Radio Saigon" (11.78) now operates 4-11:30am, 6:45-7:20, 9-9:30, 11:45pm-12:15am; English news at 6:30, 7:15, 10, 10:45am (Juett-E, Balbi-W)

**JAPAN** Tokyo now broadcasts to E.NA: 8-9:15am on 9.535 & 15.105; 7-10:45pm on 9.535, 11.800, 15.105 (Eng. news at 7, 8, 9pm; Prisoner reports at 7:20, 9:20pm); to W.NA: 1:30-4am on 11.800, 9.535 (Eng. news at 2, 3am; Prisoner reports at 2:20am); 12:30-2:45pm on 9.535, 9.505 (Eng. news at 12:30, 2pm; Prisoner reports at 12:50pm)... Other changes in Tokyo schedules follow: 4:15-6:15am, Tokyo to Europe, over JLG4 (15.105), JZL (17.785); 9:30am-12 Noon, Tokyo to S.E. Asia, over JZJ (11.8), JLT2 (9.645), JRAK (9.565); 11pm-1am, Tokyo to India, over JZJ (11.8), JLG4 (15.105) (Pagenhardt, Perrin, Becker, Baxter, Jones, Sutton, Ferguson, Juett, Heisey, Cobb, Newell-E, Van Auken-C, Balbi, Picard, Krumlinde, Stoneman-W)

**JAVA** Batavia (18.135), has Eng. news at 7, 8, 9, 10:15am, 6, 10, 11pm; Prisoner of war reports at 7:15am, 10:15pm (Cushen, N.Z.)

**MALAYA** Shonan back on 12.00 is now heard 8-9, 9:30am-12:50pm; Eng. news at 8, 9:30am, 12:15pm; Prisoner messages 12 Noon. Shonan on 7.22 is heard irreg. 7-8am (Jones, Becker, Baxter, Ferguson-E, Van Auken-C, Picard, Johnson, Balbi-W)

**MANCHUKUO** Hsinking (6.035) heard when conditions are very good from as early as 7:30pm to fade-out or sign-off at 8pm (Jones-E)

**NEW CALEDONIA FK8AA** (6.13), Noumea, heard daily 3:30-4:30am; frequently to 6am. (Australia Radio & Hobbies)

**P.I.** KZRH (11.615, 9.64, 6.145), occasionally has baseball game rebroadcasts on Sat. to 8:30am (Jones-E)

**TAIWAN** JIE2 (9.696) is now heard frequently 7:45-10:40am; English news at 9:30am (\*Allen, Balbi, Fern-W, Jones-E)

**THAILAND** HSP5 (11.715) now operates without a break 7-10:30am; English news at 8, 9:15, 9:30am (Allen, Jones, Ferguson, Jones, Becker, Juett, Roberts-E)

**TURKEY** TAQ (15.195) is still being heard irreg. usually from 8:30 to 10:30am. Sometimes program consists of operatic music. TAP (9.465) is operating to approximately 4:30pm on Sundays. (\*\*Jones, Becker, Ferguson, Sutton-E)

**UNIDENTIFIED** A station on 12.06, heard daily to approximately 9:10am; News in English is given at 8:30-8:50am, then music (Baxter-E)... A Station on 11.93 mcs. is heard from 9:40am or earlier to 10am sign-off (Baxter-E)

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Note: In the above section short-wave items are included from 68 different countries. The GLOBE CIRCLER covers the world of short-wave broadcast completely

# SHORT-WAVE BROADCASTING STATIONS

SYMBOLS: N — NEW stations; F — Frequency changes; S — Change in sked; J — Stations persisting in hopping about; V — Varying in frequency; \* — See shortwave notes . . . . IMPORTANT English news periods are indicated in list as NEWS.

METERS MEGS. CALL STATION LOCATION TIME EASTERN WAR

### 13 METER BAND

13.81N	21.72	DXE	Berlin, Germany	7-8:15am.
13.86S	21.64	GRZ	London, England	6:15-8:15am
13.97	21.47	GSH	London, England	6:30-11:15am to Africa
14.97	20.04	OPL	Leopoldville, Belgian Congo	6:55-8:15am
15.31S	19.59	2R017	Rome, Italy	7:45-9:30am...News 8:25am.
15.37S	19.52	IRW	Rome, Italy	7:30-7:45am. /pm
15.63N	19.20		Leopoldville, Belgian Congo	7:15-7:30am, 12:45-1:30, 2:30-2:45
16.23	18.48	HBH	Bern, Switzerland	Tu/Sat 9:45-11:15am to Orient.
16.54S	18.135		Batavia, Java	5:30-5:50, 7-9:30, 10:15-10:45am, 5:30-7, 10-11:30am-12:15pm
16.59S	18.08	GVO	London, England	11:30am-12:15pm
16.61	18.065	PCV	Kootwijk, Netherlands	9:45am-5:30pm...News 11:30am.
16.64S	18.025	GRQ	London, England	6:45-7:15, 9-10, 10:45-11:15, 11:30am-12:15pm

### 16 METER BAND

16.81	17.85	DXL19	Paris, France	7:00-9:45am to N.A...News 7:30, 9:30am.
16.81	17.845	DJH	Berlin, Germany	3:45-11am...News 5:30am, 8am.
16.82	17.84		Athlone, Ireland	8-9:30am, 1:30-2pm...News- 1:45pm.
80	16.83S	17.83	WCRC	New York, N.Y. 9am-5:15, 5:30-7:15pm
16.84S	17.82	2R08	Rome, Italy	7-7:20, 7:45-8, 9-9:10am...News- 9am.
81	16.84S	17.81	GSV	London, England 1-2:45, 6:45am-2:30pm...News- 2:15, 7, 9, 11am
82	16.85S	17.80	WLWO	Cincinnati, Ohio 9am-12:30pm. /2pm
16.86S	17.79	GSG	London, England	6:45-7, 7:15-8, 11:30am-12:45pm
16.86N	17.785	JZL	Tokyo, Japan	4:15-6:15am...News- 5:05, 6am.
84	16.87S	17.78	WRCA	New York, N.Y. 9am-4:45pm.
16.88S	17.775		Leopoldville, Belgian Congo	6:55-8:15am, 2:15-3:45pm. /7:40a
16.89	17.765		Vichy, France	7:30-8:15am to NA; 9:45-10:30am...News-
85	16.89	17.76	DJE	Berlin, Germany 3:15-7, 7-10:30am.
16.90S	17.75	WRUW	Boston, Mass. 10am-1:15pm	
89	16.93	17.72	LRA5	Buenos Aires, Argentina, Fridays 4:45-5:30pm to NA
90	16.94S	17.715	GRA	London, England 3:10-11:45am. /am
17.20	17.445	HVJ	Vatican City, Mon/Wed/Sat 9-11am, Tu. 9-11:20am, Fri. 9-10	
17.35F	17.295		Brazzaville, Middle Congo	2-3:20, 5-5:30pm, irreg. *

### 19 METER BAND

18.73S	16.025	AFHQ	Algiers, Algeria	8-9:45am approx.
18.93S	15.85	WCW	New York, N.Y. 1-5pm.	
19.05S	15.75		Moscow, U.S.S.R. 7:40-9:30am (7:40-8:50, 9:15-9:30am to NA)	
19.40S	15.465	2R024	Rome, Italy 7:45-9:30, 10am-12:45pm...News 8:25, 10:20am	
19.42S	15.45	GRD	London, England 3:45-5, 6:45-11:30am...News- 3:30, 7, 9, 11am.	
19.44	15.435		Radio Himalaya (Rome) 10-10:30am. /pm; Sun. 9:10a*	
19.47	15.41	PZ5	Paramaribo, Dutch Guiana 7:27-9:28pm ex. Sa/Su; Sa. 5:40-8:40	
10	19.50S	15.385	GRE	London, England 3-5, 5:30-5:45, 8:15-10, 10:15-11am, 11:45am-3pm to NA...News 9am, 2pm. /ex. Sun/Wed.
11	19.53S	15.355	KWU	San Francisco, Calif. 4:30-6:15pm (Su. to 6pm), 7:45-9:30pm
12	19.54S	15.35	WRUW	Boston, Mass. 1:30-4pm.
13	19.54S	15.35	WRUL	Boston, Mass. 8am-1:15pm.
13	19.54S	15.345	FGA	Dakar, Senegal 8:15-9am, 3:15-5:15 or 5:45pm.
13	19.56	15.34	DJR	Berlin, Germany 1am-12 Noon to S. & E. Asia...News 1:30, 3, 8a
14	19.57	15.33	WGEA	Schenectady, N.Y. 5:30-7:45pm
15	19.57S	15.33	WGEO	Schenectady, N.Y. 8:15am-4:15pm
16	19.58	15.32	DXU	Berlin, Germany 9:45-10:30am or later.
17	19.59C	15.315	VLI3	Sydney, Australia 6:15-7:45am.
18	19.60S	15.31	GSP	London, England 3-6:15, 8-8:30, 9-9:30, 9:45-10:45am, 12-2:15p
19	19.60	15.305	HER6	Bern, Switzerland Tues/Sat. 5-7am to Australia.
20	19.61S	15.30	2R08	Rome, Italy 12:30-1:30am to W.NA, 7-7:20, 7:45-8, 9:15-9:45am, 12:50-2:35, 4-6, 6:30-9:15pm...News- /1am, 5:00pm
21	19.62	V15.29	KWID	San Francisco, Calif. 5-9:15pm.
22	19.62	15.29	LKU	Buenos Aires, Argentina 7:15-8:15am.
23	19.62S	15.29	VUD3	Delhi, India 12:30-12:45, 1-1:30, 2:15-2:30, 3:30-4, 5:30-5:45, 6:30-7:30, 8-8:15am...News- 8am.
24	19.63S	15.28	DJQ	Berlin, Germany 2:30am-12 Noon...News 1:30, 3, 5:30, 8, 10am.
25	19.64S	15.27	WCBX	New York, N.Y. 7am-4:45, 5-7:45pm.
26	19.66S	15.26	GSI	London, England 11:30am-5pm...News 2:00, 4:45pm.
27	19.67	15.25	WLWO	Cincinnati, Ohio 12:45-3:30, 5:30-7:00pm.
28	19.69	15.24		Vichy, France 8:30-9:30, 10:45-11:30, 11:45am-1:45pm.
29	19.69	15.235	CR7BD	Lourenco Marques, Mozambique 1-4:30pm (Sun. 11am-3pm)
30	19.70	15.23		Komsomolsk, U.S.S.R. 5:15-5:40, 6:48-7:30, 9:15-9:40, 11:15-11:40pm (Eng.) to NA.
31	19.70	15.23	DXT	Berlin, Germany 7-9:45am to NA...News- 7:30, 9:30am.



19.70SV	15.23	VLG6	Melbourne, Australia	10-10:45am; 9:45-11:50pm
35 19.71F	15.22		Azad Moslem Radio	9:30-9:45am; Voice of Free India 10am-12:05pm; National Congress Radio 12:15-8:15am-5:15pm. /12:45pm.
19.72S	15.21	WBOS	Boston, Mass.	8:15am-5:15pm.
26 19.72	15.20	DJB	Berlin, Germany	7-9:45am to NA, 10:30-10:45am, 5:50-8:30pm to NA...News 7:30am, 9:30am, 7, 8pm.
19.74S	15.195	TAQ	Ankara, Turkey	5:30-7, 8:30-10:30am approx. *
19.75S	15.19	OIX4	Lahti, Finland	6:15-6:45, 9:15-9:50am to NA, 1-2, 3:30-7:05, 8:25-9:10, 11:05-11:50pm to NA...News 3-5pm. /9:15am, 8:25, 11:05pm
27 19.75S	15.19	WKRX	New York, N.Y.	Tuesdays 8-8:45pm.
19.75S	15.19	XGOX	Chungking, China	8:15-9:15, 11:30-11:45am, 1:30-2pm.
28 19.76	15.18	GSO	London, England	1:45-2:55pm to NA; Sun. 1:45-6:15pm.
18 19.78	15.17	TGWA	Guatemala, Guatemala	5-9:05pm.
27 19.78	15.165	PRE9	Fortaleza, Ceara, Brazil	4:30-6:45, 7-9:15am...News- 5, 6am.
19.79S	15.16	JZK	Tokyo, Japan	4:30-6:10pm...News 4:45, 5:45pm. *
19.79S	15.16	VLG7	Melbourne, Australia	11am-Noon to NA; 12-2:15pm (to NA on odd days)...News- 11:01am.
30 19.80	15.155	SBT	Stockholm, Sweden	7am-5pm. /2:15, 3:30, 7, 9, 11am, 2:00pm
19.81	15.15	WNBI	New York, N.Y.	1-5, 6:45-11:30, 11:45am-2:30pm...News- 7-9:45am to NA, 10:30-11:15am...News 7:30, 1:15-2:15pm. **
31 19.82S	15.14	GSF	London, England	Paris Mondial, France 11:45am-3pm.
19.83S	15.13	DXL6	Paris, France	Sun. 8-8:20pm; Su, Th. 8:30-8:50, 9-9:20pm; Tu. 11:25am-12:25pm; Th. 12 Noon-1pm.
19.83N	15.13	KGFI	San Francisco, Calif.	6-11:15am. (German Home Service)
19.83S	15.13		Paris Mondial, France	7:30-8:20am to NA, 5:15-5:40, 6:48-7:30, 9:15-9:40, 11:15-11:40pm (Eng.) to NA.
19.84	15.12	HVJ	Vatican City,	7-8:45, 11:20am-5:30pm...News 8, 8:30, 11:30am, 2:15, 4:15pm.
19.84S	15.12	DXH2	Berlin, Germany	8-9:15am to NA, 7-10:45pm to E.NA, 11pm-1am, 4:15-6:15am...News 5:05, 6, 8, 9am, 7, 8, 9pm.
32 19.85	15.11		Komsomolsk, U.S.S.R.	Sun. 12-12:30pm; Thurs/Fri. 10-11am.
33 19.85	15.11	DJL	Berlin, Germany	12:30-1, 2-2:20, 2:40-3, 3:15-3:30, 7-8:50am, 12:10-3pm...News 3:15am.
33 19.86S	15.105	JLG4	Tokyo, Japan	2:15-2:30am.
19.87S	15.095	HVJ	Vatican City,	8:45am-4pm.
19.92S	15.06	2R021	Rome, Italy	12:30-12:45, 2:15-6:30, 7-10:45am. 9-10am.
90	15.00	www		

20.37	14.73	IQA	Rome, Italy	7-9am (or on 12.83 or 11.94) *
20.73S	14.47	WDO	New York, N.Y.	6:15-6:45am.
20.75S	14.46	DZH	Berlin, Germany	7:45am-12:45pm.
20.77F	14.445		Malaga, Spain	7-9am (or on 13.965 or 11.94)
21.48N	13.965	CNR	Rabat, Morocco	6:45-7:30am, 3:15-3:45pm. /10:45pm.
21.69N	13.829	SUZ	Cairo, Egypt	7:45-9:45am, 12:30-3:45, 6-11pm; Sun. 8am-11pm inter. to 12 Noon (Home Service)
22 23.14S	12.967	WKRD	New York, N.Y.	Tuesdays 7:00-7:30pm approx. *
23.38	12.83	CNR	Rabat, Morocco	5:45-6:45, 6:48-7:23, 8-8:50pm to NA (Eng.)
23.61S	12.705	FIA	Douala, Camerouns	12:40-1:45, 2:45-3, 5:30-6, 6:40-6:50, 9-9:15
24 24.11	12.455	HCBJ	Quito, Ecuador	10:30-10:45, 11:15-11:45am, 4-6pm.
24.47	12.26		Moscow, U.S.S.R.	7:30-9:15am.
24.54	12.235	TFJ	Reykjavik, Iceland	Radio France, Algiers, Algeria 2-4, 7-9am, 1-5:30, 5:45-6:15pm.
24.61	12.19		Moscow, U.S.S.R.	12:13-1:30pm
24.66	12.165		Moscow, U.S.S.R.	5am-12 Noon, 6:30-8:30pm
24.73S	12.13	DZE	Berlin, Germany	12-2, 5-8:20am...News 8am.
24.75S	12.12		Radio France, Algiers, Algeria	6:45-7, 8:45-10:45am, 12:15-12:30, 12:45-2:45, 3-3:30, 6:30-10:45pm. /am, 7:30, 10:30pm
24.77	12.115	ZNR	Aden, Arabia	5:30-10am, 7:30-8:15, 10:30-11pm...News-8:30
24.80S	12.095	GRF	London, England	
24.88	12.06	FFZ	Shanghai, China	
24.92	12.04	GRV	London, England	

25 METER BAND

25.00S	12.00		Shonan, Malaya	8-9, 9:30am-12:52pm...News 8, 9:30am, 12:15pm
35 25.04S	11.975	CE1180	Santiago, Chile	7:30-10am, 1:30-?, 9pm-12 mid.
37 25.05	11.97	FZI	Brazzaville, Middle Congo	2-2:20, 9:30-9:45, 3-5:30, 11pm-12 mid. to NA...News- 3:45, 11:45pm.
35 25.08S	11.96		Tiflis, U.S.S.R.	12:45-1:45, 6:30-7:30am.
25.08N	11.96		Bern, Switzerland	Sat. 12:30-2pm to S. Africa.
25 25.10S	11.95	2R022	Rome, Italy	12:30-1, 1:40-2:40, 6:40-9:45, 11:20am-2, 7:45pm-12 mid. to NA...News 9am, 8:30, 9:30, 10:30, 11:30pm. */10:30, 11:30pm.
25.10S	11.95	ZPA5	Encarnacion, Paraguay	4-11:05pm. */10:30, 11:30pm.
25.14N	11.935		Sudetendeutscher Freiheitssender	10:35-10:55am irreg. *
25.16S	11.925		Radio Metropole (Belgrade)	4-7, 9-11am.
25.21	11.90	DXF2	Berlin, Germany	6-11:15am (Home Service)
25 25.21	11.90	CXAL0	Montevideo, Uruguay	7:25-10:10pm.
25 25.22	11.893	WRCA	New York, N.Y.	5-8:45am, 5-11:30pm.
25.23	11.885		Paris Mondial, France	3:15-5:15pm.

96	25.24S	11.885	DXL7	Paris, France	2-2:30, 3:15-3:30, 4:15-4:30, 4:45-5, 10:30am, 12-2:45, 5:35-10:50pm.
	25.25	11.88	VLR3	Melbourne, Australia	9:45pm-4:15am.
	25.25	11.88	HI3X	Trujillo City, D.R	6:30-10:15pm; Sat. 6:30-9pm, Sun. 8:15-10:30
	25.27	11.87	VLI2	Sydney, Australia	2:55-3:25am to Britain...News- 3am.
725	25.27S	11.87	WBOS	Boston, Mass.	6:15-8am, 5:30pm-12 mid.
	25.28S	11.865	HER5	Bern, Switzerland	8:15-8:45am, 2-5:45pm, 9:45-11pm to NA.
	25.29S	11.86	XMHA	Shanghai, China	5:30-6, 8-9:30am, 8-9:30, 11pm-12:45am.
	25.29	11.86	GSE	London, England	12:30-5pm...News 2, 4:45pm.
96	25.31	11.855	LJP	Berlin, Germany	4:45am-12 Noon, 5:50pm-12:15am.
	25.32N	11.85		Santiago, Chile	6pm-12 mid.
49	25.33	11.847	WGEA	Schenectady, N.Y.	8am-5:15pm.
	25.33	11.845		Vichy, France	3:45-4:30am, 2-2:45pm.
190	25.35S	11.84	DHE4A	Prague, Bohemia	5-6:30, 6:55-9:15pm to NA
	25.35	11.84	CXA14	Colonia, Uruguay	5pm-12 mid.
50	25.35	11.84	VLG4	Melbourne, Australia	6:15-7:45am.
	25.36	11.83	VLW3	Perth, W. Australia	2-6:45am...News- 4am.
	25.36	11.83		Moscow, U.S.S.R.	2-2:15, 6:30-7:30, 8:15-9, 9:15-9:45am.
505	25.36SV	11.83	WCRC	New York, N.Y.	6-8:45am, 7:30pm-12 mid.
	25.36S	11.83	WCDA	New York, N.Y.	9am-6:30pm.
	25.37	11.825	JVZ2	Tokyo, Japan	5:30pm-4:30am.
51	25.38S	11.82	GSN	London, England	5:45-11:45am, 1:45-2pm.
	25.38	11.82	XEBR	Hermosillo, Mexico	9am-1am.
215	25.40S	11.81	2R04	Rome, Italy	12:30-1:30am to W.NA, 2-2:20, 2:40-3, 9:15-9:45, 10am-12:45, 12:50-2:35, 3:30-3:50, 4-4:20, 4:40-6, 6:30-7:30, 7:45pm-12 mid. to NA...News- 1am, 5, 8:30, 9:30, 10:30, 11:30pm. 12:50-3 (Su. 1:30-3pm)
	25.41	11.805	COGF	Matanzas, Cuba	1:30-4am to W.NA, 4:30-6:45, 7-9:15, 9:30am-Noon, 12:30-2:45, 7-10:45pm to E.NA, 11pm-am...News 2, 3, 5, 9am, 12 Noon, 1:50, 7, 8, 9pm.
	25.42S	11.80	JZJ	Tokyo, Japan	1:30-6, 6:15-7:25, 7:30-10:15pm.
345		11.80	JZJ		3-3:25, 7-7:25pm. /News- 9:00am, 9:45
525	25.45S	11.79	WRUL	Boston, Mass.	3:30-3:40, 5:30-5:45, 6:30-9:50am, 9-10pm...
	25.45S	11.79		Jugoslav undercover	6:15-6:45, 9:15-9:50am to NA, 1-2, 3:30-7:00pm, 8:25-9:10, 11:05-11:50pm to NA...News 9:15am, 1:30, 6:15, 8:25, 11:05pm.
	25.45N	11.79	VUD6	Delhi, India	7-9:15am.
	25.46S	11.785	OIX3	Lahti, Finland	9:15-10:30am, 12:45-4, 9:15pm-12 mid.; Sun. 9:15am-1, 9:15pm-Mid...News 9:45, 11:45
	25.47S	11.782	LXG2	Berlin, Germany	4-11:30am, 7-7:20, 11:45pm-12:15am...News-
535	25.47	11.78	HP5G	Panama City, Panama	1:30-3am to NA. /6:30, 10:00, 10:45am.
	25.47S	11.78		Saigon, Indo China	1am-??, 5:50pm-12 mid. to NA...News 7, 8, 9
	25.48	11.775	MTCY	Hsinking, Manchukuo	5-10pm. /10, 11:00
545	25.49S	11.77	DJD	Berlin, Germany	1-3:30, 11:20am-5:30pm...News 1:30, 3, 11:30
	25.50	11.765	ZYB8	Sao Paulo, Brazil	4:30-8pm, 9-9:15am...News -9am.
	25.51	11.76	DXR	Berlin, Germany	1-5, 6:45-9:45, 11:30am-5, 5:30-7:15pm...News
	25.51S	11.76	VLR8	Melbourne, Australia	2:15, 3:30, 7, 9am, 12, 2:00, 4:45, 6:45pm.
555	25.53S	11.75	GSD	London, England	7:30-7:55pm. /4-4:30am (Eng); Tu. 11-11:30am
	25.53	11.75		Moscow, U.S.S.R.	Sun. 8:30-9:15pm; Tu/Th 3-3:30am; Mon/Wd/S
	25.55S	11.74	HVJ	Vatican City,	5:30pm-12 mid., 5-9:30am.
	25.55	11.74		Parao, Palau Group	6am-5pm.
56	25.55S	11.74	DXC2	Berlin, Germany	9am-2:15am.
	25.56	11.737	COCY	Havana, Cuba	5-10:45pm.
565	25.58	11.73	KGEI	San Francisco, Calif.	5:30pm-4:30am.
	25.59	11.725	JVW3	Tokyo, Japan	6:30-10:10pm.
	25.60	11.721	ZPA1	Asuncion, Paraguay	Leopoldville, Bel. Congo 6:55-8:15am, 2-3:45pm.
	25.60S	11.72		Winnipeg, Canada	1-5:30pm.
57	25.60N	11.72	CJRX	Lisbon, Portugal	7-9am to Orient.
	25.60S	11.72		Geneva, Switzerland	2-5:45; 7:45-9:15pm ex. Sat.
	25.60	11.715	HSP5	Bangkok, Thailand	7-10:25am...News- 8, 9:15, 9:35am.
57	25.60S	11.715	PRLB	Rio de Janeiro, Brazil	4:45-9:55, 10-11pm to N.A. ex. Sun.
	25.62	11.71	YSM	San Salvador, El Salvador	2-3pm.
	25.62S	11.71	VLG3	Melbourne, Switzerland	1:10-1:40am to W.NA, 1:55-2:40, 2:55-3:25, 3:50-4:20, 4:25-5:25, 5:30-6am...News- /1:15, 3a
525	25.62S	11.71	WLWO	Cincinnati, Ohio	3:45-5:15pm.
	25.63	11.705	CXA19	Montevideo, Uruguay	7-8am, 6-11 (Sat. to 11:30pm)
	25.63	11.705	SBP	Motala, Sweden	11am-Noon to NA, 12-2:15pm (to NA on even days), 5:20-5:40, 9-10pm to NA...Sun. 2:45-3:15, 4am-5:15, 9-10pm...News 11am, 9pm.
58	25.63V	11.705	CBFY	Montreal, Canada	7:30am-11:30pm (Su. 8am-11:30pm)
585	25.64	11.70	HP5A	Panama City, Panama	9am-1, 9:10pm-1am.
	25.64S	11.70	CEL170	Santiago, Chile	8-11pm.
	25.67S	11.68	XGRS	Shanghai, China	3:00-10:00am, 6:00pm-1:00am...News- 6:45, 8, 9:15am, 6:45pm, 12:45am.

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59.5	25.68S	11.68	GRG	London, England	1-5, 6:45-8am to NA, 10am-1:15, 3:30-5pm to NA, 5:15pm-12:45am... News 2:15, 3:30, 7, 11
59.2	25.71N	11.67		Leopoldville, Belgian Congo	3:15-3:30, /am Noon, 4:45pm /4:30-4:45pm with program of Radio National Belge.*
	25.75S	11.65	XGOK	Canton, China	5:30-9:35am.
	25.80S	11.635		Hungarian Nations Radio	7:15-7:30, 9:15-9:30, 11:15-11:30am,
63.5	25.83	V11.623	COK	Havana, Cuba	12 Noon-12 Mid.; Sun. 1-7p/12:15-12:30pm.
	25.83	11.62	KZRH	Manila, Philippines	6pm-4, 4:30-9am... News 8:30am, 7, 11:30pm.
63	25.86	11.60		Rumanian Freedom Station	1:45-1:55, 4:15-4:25pm.

	26.16	11.47		Voice of Free India	10am-12:05pm... News 11:30am. *
	26.29S	11.37		Croatian Freedom Station	2:30-2:43pm.
	27.17S	11.04	CSW6	Lisbon, Portugal	1-5:30, 5:45-7:45pm.
	27.68	10.84	KWV	San Francisco, Calif.	2-4:30am.
	27.96S	10.73	VQ7LO	Nairobi, Kenya	Approx. 9:15-10, 10:15-11am. *
10	28.25	10.62	KES3	Bolinas, Calif.	1-6am.
	28.30	10.60	ZIK2	Belize, British Honduras	9-9:20pm irreg. (Eng.) <sup>Int</sup> *
34.5	28.45	10.543	DZD	Berlin, Germany	1:30-1:45am, 5:50pm-12 mid. to NA... News- 1:10-1:40am to NA/7, 8, 9, 10, 11pm, 1:30am
	28.51	10.525	VLI10	Melbourne, Australia	12:15-12:40, 1:30-1:45, 2-3:30, 4-7:30, 7:40-8:20am to NA, 8:30-11:45am, 8:30-11pm.
	28.73S	10.445		Moscow, U.S.S.R.	8:30-9pm.

	28.99	10.35		Station Debunk	3:30-4:30, 6:30-9:15, 9:30-10pm.
34.5	29.04S	10.33	2R019	Rome, Italy	12 Noon-4:45, 5:35-10:50pm.
61	29.15	10.29	DZC	Berlin, Germany	9am-12 Noon. /8:30pm
	29.24	10.26	XGAP	Peiping, China	
66	29.35S	V10.22	PSH	Rio de Janeiro, Brazil	6:30-8:15, 8:30-8:48pm ex. Sun... News- 12:30-4:45, 7-11:30pm; Su. 1-5, 7-11:30pm*
70.5	29.62J	10.13	IHZW	Port-au-Prince, Haiti	1:30-3am to NA... News 1:30, 2:30am. /pm
	29.81	10.065	MTCY	Hsinking, Manchukuo	9-9:15, 11am-12:45, 1-1:15pm.
	29.84S	V10.055	SUV	Cairo, Egypt	1:15-1:30, 2:15-2:30, 3:15-3:30, 4:15-4:30
	29.99S	10.005		Voice of Free Arabs	2-3:20, 5-5:30pm. *
	30.06S	9.98		Brazzaville, Middle Congo	7:45-9:45am, 12:30-3:45, 6-11pm; Sun. 8am-6pm-12 mid. 12:15-5am. /5:30pm.
45	30.12S	9.958	HCJB	Quito, Ecuador	4:45-7:30am, 3-5pm.
89	30.29S	9.905	WRX	New York, N.Y.	6-8:45pm.
17	30.31S	9.897	WKRD	New York, N.Y.	1-2, 6:50-8pm to NA... News 1:15, 7pm.
	30.31S	9.897	WKRX	New York, N.Y.	11:30pm-1:30, 2:30-3, 7:40-8:20, 8:48-7:22, 8-8:50pm to NA.
	30.43	9.86	EAQ	Madrid, Spain	Mozambique 1-2, 5:30-8am, 2:25-5 (Su. 11am-3pm)... News- 1:55, 6:55am, 4:55pm. *
	30.43S	9.86		Moscow, U.S.S.R.	7:45am-1am; Sun. 7:45am-12 mid.

	30.48S	V9.843	CR7BE	Lourenco Marques, Mozambique	1-4:30am, 5:30pm-12:45am... News 2:15, 3:30a
36	30.51J	9.833	COCM	Havana, Cuba	12:30-1, 2-2:20am, 1-4, 4:30-6, 6:30-9:15pm. /News- 5:00pm
36.5	30.54S	9.825	GRH	London, England	11-11:30am, 7:30-8pm.
36.5	30.34S	9.79	2R018	Rome, Italy	5:30-9, 11am-6pm; Su. 5:50am-6pm. *
	30.71S	9.77		Moscow, U.S.S.R.	7-8:30am, 4:15-7pm.
	30.75S	9.755	ZRO	Durban, S. Africa	Has anyone heard lately? 8-9pm to N.A.
50	30.77S	9.75	WDL	New York, N.Y.	7:30-9am, 5:30pm-12:30am.
	30.80	9.74	TI4NRH	Heredia, C.R.	7am-1pm... News 10, 11am.
	30.82S	9.735	CSW7	Lisbon, Portugal	2-2:20pm (French) *
53.5	30.82	9.73	CE970	Valparaiso, Chile	6:30pm-12:20am approx.
	30.86	9.72	XGOA	Chungking, China	2:15-2:30pm.
	30.86S	9.72		"Radio Patrie"	4:15-6, 6:15-7:25, 7:30-10:30pm.
	30.88	9.715	OAX4K	Lima, Peru	Tananarive, Madagascar 5-6, 9:30-9:30, 10:30am-12 Noon *
	30.92S	9.705		Danish clandestine	7:45-10:40am. /News 10:45pm, 12:30am.
56	30.92S	9.70	WRUW	Boston, Mass.	1:30am-6, 7-10:45, 10:45pm-12:45am to NA...
	30.93S	9.70	FIQA	Tananarive, Madagascar	9:50pm-12:45am ex. Sun; Sun. 8pm-12:45am.
	30.96S	9.695	JIES	Taihoku, Taiwan	11:30am-2, 3:30-4:30, 5-10pm.
57.5	30.96S	9.69	GRX	London, England	10am-2:45am.
58	30.96	9.685	TGWA	Guatemala, Guatemala	Perth, W. Australia 1-10:45am... News- 7, 9am.
	30.96	9.688	LRAL	Buenos Aires, Argentina	
58	30.99J	9.68	XEQQ	Mexico City, Mexico	
58	30.99	V9.68	VLW6	Perth, W. Australia	

31 METER BAND

	31.01	9.675	DJX	Berlin, Germany	11:20am-5:30pm... News 11:30am, 2:15, 4:15p
59	31.02S	9.67	WNBI	New York, N.Y.	5:15pm-2am.
	31.06	9.66	LRX	Buenos Aires, Argentina	6:30-7, 8:30am-11:10pm (to 1am Sun.)
61	31.06N	9.66	VLRP	Melbourne, Australia	4:30-8pm
	31.06S	9.66	HVJ	Vatican City,	Mon/Wed/Sat. 11am-noon, 12:30-2pm (Eng); Su. 5:30-6am; Tu. 1:30-2:15pm.
	31.06S	9.66	XGOI	Shanghai, China	7:15-10am, 9:30-9:45pm... News 8am, 9:30pm.
	31.06J	9.658	HHBM	Port-au-Prince, Haiti	8:30-9am, 1-2, 7-10:30pm ex. Su.
67	31.09	9.65	DJW	Berlin, Germany	1-8:45, 9-10, 11:30am-12, 1-4:15, 5:50pm-12:15am... News- 1:30, 3, 8am.
	31.09	9.65	WGEO	Schenectady, N.Y.	5-8am to Australia.
	31.09	9.65	WCBX	New York, N.Y.	11:45pm-2am.
	31.11	9.645	LLH	Oslo, Norway	10-10:50pm to NA
	31.11S	9.645	JLT2	Tokyo, Japan	9:30am-12 Noon, 12:30-2:45pm.

31.12	9.64	KZRH	Manila, Philippines	6pm-9am...News 4:30, 8:30am, 7, 11:30pm.
62 31.12N	9.64	COX	Havana, Cuba	12:50pm-12 Mid. approx.
31.12C	9.64	LRY	Buenos Aires, Argentina	5:57-8am, 1:30-2:30, 3-11pm.
31.12N	9.64		London, England	2-5pm.
63 31.15S	9.63	2RO3	Rome, Italy	12:30-1:30am to W.NA; 3-3:30am, 1-3, 3:30-3:50, 4-4:20, 6:07-6:10, 6:30-7:30, 7:45pm-12 Mid. to E.NA...News- 1, 3:20am, 3, 4:10, 8:30, 7:30, 10:30, 11:30 p.m.
31.17	9.625	CXA6	Montevideo, Uruguay	11am-7pm. / 7:30, 10:30, 11:30 p.m.
31.17	9.625		Addis Abeba, Ethiopia	10:15-11:30am, 1:15-2:15pm.
31.17N	9.625	XGCA	Kalgan, North China	7-9am.
63 31.19	9.62		Vichy, France	3-3:45, 4-4:10, 4:10-5pm to NA, 5:15-5:45, 6-7:45, 8-9:30, 9:45-11, 11:15pm-12:30am to NA, 12:45-1:30, 1:45-2:30, 2:45-3:30am...News- 4:03, 4:42, 11:15pm.
31.19N	9.62	XGOY	Chungking, China	7:35-10, 10-11:35am to NA, 11:35am-12:30, 12:30-1pm to NA, 2:30-4, 4-5pm...News- 10, 11am, 12 Noon, 4:30pm.
64 31.21	9.615	VLI	Sydney, Australia	8-8:45am to E.NA, 9-9:15am...News 8, 9am.
65 31.21	9.615	XERQ	Mexico City, Mexico	9:30-11am, 7pm-1am...News 9pm.
65 31.22	9.61	DXB	Berlin, Germany	12:30-1, 1:15-1:30am, 12:30
31.22J	9.608	ZRL	Capetown, S. Africa	4:15-11:45am; Su. 2:10-2:45, 4:30am-12:45pm
65 31.23	9.606	HP5J	Panama City, Panama	8am-2:30, 9:30-11:30pm; Su. 9am-11pm.
31.24	9.603	CE960	Santiago, Chile	7pm-12 mid.
65 31.25S	9.60	GRY	London, England	1-2:30, 3:30-4:30, 11am-5, 5:15-6:45pm... News- 2:15am, 12 Noon, 2, 4:45pm. 5:05-5:35...News 5:15pm.
31.27S	9.595		Athlone, Ireland	5-9am.
31.27	9.595		Tokyo, Japan	1-1:30pm (or on 9.62)
31.30N	9.59		Slovak undercover	1-1:30pm (or on 9.62)
31.30S	9.59	VUD4	Delhi, India	1-4, 5:30-5:45, 6:30-9:35, 10:15-11am, 12:30-2, 9-11:35pm...News- 3, 8, 10:50am, 9:45, 11:30p
31.30S	9.59		Voice of Free India	9-11pm; National Congress Radio 11:15-11:55pm...News- 10:30pm.
31.30S	9.59	DXU9	Huizen, Holland	3-8:30pm
66 31.30	9.59	WLWO	Cincinnati, Ohio	7:15pm-12 mid.
67 31.32S	9.58	VLR	Melbourne, Australia	4:45-9:30am.
31.32	9.58	VLG	Melbourne, Australia	11-11:45am to W.NA...News- 11am.
67 31.32S	9.58	GSC	London, England	12:30-5:15, 5:15pm-12:45am to NA...News- 5:45, 6:45, 9:00, 10:45pm, 12:30am. 2:45-3:45, 6-7, 8-9am, 1:45-3pm.
31.33S	9.575		Vichy, France	1-2:52, 3-6:15am, 9:30pm-12:45am.
68 31.35S	9.57	KWID	San Francisco, Calif.	1-2:52, 3-6:15am, 9:30pm-12:45am.
31.35S	9.57	DXZ	Berlin, Germany	9:45-10:45, 11:15-11:30, 11:45am-12:30, 1-3pm
31.37	9.565		Komsomolsk, U.S.S.R.	4-7:30, 8:30-10am, 3:30-5:12, 5:40-6:45, 10-11:12, 11:45pm-12:40am.
31.37S	9.565	JRAK	Parao, Palau Group	9:30am-12 Noon.
31.37	9.562	OAX4T	Lima, Peru	9-10am; Sun. 11:30am-12:45pm
68 31.38	9.56	DJA	Berlin, Germany	5:50-8, 9:30pm-12:15am.
68 31.39	9.557	XEFT	Mexico D.F., Mexico	24 Hours daily
31.40S	9.555		Arab Nation Radio	11-11:30, 2-2:40pm
31.40S	9.555		Rome, Italy	3:30-4:30pm.
68 31.42J	9.548	XEFT	Vera Cruz, Mexico	9am-2:15am.
31.43	9.545	MTCY	Hsinking, Manchukuo	9-11am, 5-6pm...News 9, 10:30am, 5pm.
31.43	9.545		Komsomolsk, U.S.S.R.	7:40-8:20am, 10:15-10:30am (Eng.) to NA.
20 31.45S	9.54	VLG2	Melbourne, Australia	8-8:45am to E.NA, 9-10am...News 8:01am.
31.45F	9.54	OAX5C	Ica, Peru	7pm-1am.
31.45S	9.54	LKJ	Oslo, Norway	1:30-2:15, 4-7:30am, 12-1:15, 3:30-4:45pm.
20 31.45S	9.54	HER4	Bern, Switzerland	7:45-9, 9:30-11pm ex. Sat...News 9:33pm.
31.47	9.535	SBU	Stockholm, Sweden	5:20-5:35, 9-10pm to NA...News 5:20, 9pm
21 31.47S	9.535	JZI	Tokyo, Japan	1:30-4am to W.NA, 6:30-7:45, 8-9:15am to W.NA, 9:30am-12:15, 12:30-2:45pm to W.NA, 7pm-10:45pm to E.NA...News 2, 3, 6, 7:30, 8, 11am, 12:30, 2, 7, 8, 9pm.
68 31.48S	9.53	WGEO	Schenectady, N.Y.	4:30-5:15, 5:30pm-12 mid.
31.50	9.523	ZRG	Johannesburg, So. Africa	4:30-11:30am approx.
68 31.51S	9.52	DXL13	Paris, France	12:30-1:30, 2-2:30am, 12 Noon-4, 5:50pm-12 Mid. to NA...News 7, 8, 9, 10, 11pm.
31.51	9.52		Paris Mondial, France	4:15-5:15pm with 11.885
31.53	9.515	COCQ	Havana, Cuba	6:20-9am, 8-11pm.
22 31.55S	9.51	GSB	London, England	1-5, 10-11:15am, 2:15-5, 5:45-6:45, 7-10:45pm. ...News- 2:15, 3:30am, 2, 4:45pm.
23 31.57S	9.505	JLG2	Tokyo, Japan	6:30-7:45, 9:30am-12:15, 12:30-2:45pm to NA, 3-6:30pm...News 7:30, 11am, 12:30-2, 3, 6pm.
31.57	9.503		Bratislava, Slovakia	6:50-7:45pm...News- 7pm.
31.58S	9.503		Radio Metropole (Belgrade)	3:40-3:48pm, 9:15-9:40pm irreg.
31.60S	9.495	OIX2	Lahti, Finland	6:15-6:45, 9:15-9:50am to NA, 1-2, 3:55-5:05, 5:45-7:05, 8:25-9:10, 11:05-11:50pm to NA... News- 9:15am, 1:30, 6:15, 8:25, 11:05pm.

24	31.61	9.49	KRCA	San Francisco, Calif.	lam-1pm.
25	31.61S	9.49	WCBX	New York, N.Y.	8-11:30pm.
	31.64S	9.483	JZHA	Hong Kong, Hong Kong	7:30-8:30am.
	31.64S	9.482		Gustav Siegfried Eins	10:52-11:05am & hourly to 10:52-11:05p
	31.65S	9.48		Radio Metropole (Belgrade),	2:05-3:35, 4-6pm... <u>News</u> 3:15, 5:15
24	31.65S	9.48		Moscow, U.S.S.R.	1-1:15, 2-3, 6:30-10:45am. /pm
	31.65	9.48	CP38	La Paz, Bolivia	8-10, 11am-2, 7pm-12 mid.
	31.69S	9.47	CR6RA	Luanda, Angola	7:30-8:45am, 3:30-4:30pm (Sun. 11:30am-1pm)
	31.70S	9.465	TAP	Ankara, Turkey	10:15am-3:47pm; Sun. to 4:30pm... <u>News</u> 12:15
26	31.73S	9.455	GRU	London, England	12:45-1:15, 2-2:30, 4-6, 7-10:45pm.
27	31.80	9.435	COCH	Havana, Cuba	6:45-1:15am.
	31.81S	9.43		Moscow, U.S.S.R.	1:30-2:15am.
	31.88S	9.41	GRI	London, England	3-3:20, 3:30-4:30am, 2:30-6:45pm.
	31.95S	9.39		Moscow, U.S.S.R.	7:30-9am, 2:15-2:30, 8-11pm.

21	32.00	9.375	COBC	Havana, Cuba	9am-1:15am; Sun. 8am-11:30pm.
	32.07N	9.355	HC1BS	Quito, Ecuador	8pm or earlier to 11:30pm. *
	32.12	9.34	OAX4J	Lima, Peru	9-10am, 1-4, 7pm-2am.
	32.19	9.32	LRS	Buenos Aires, Argentina	8-9am, 2-2:30, 6-10pm.
	32.28N	9.295	OAX4V	Lima, Peru	5pm-lam approx. *
37	32.33S	9.275	COCX	Havana, Cuba	6:30am-1am approx.
	32.43S	9.255		Bucharest, Roumania	7-10am, 3:45-5pm... <u>News</u> 4:55pm.
41	32.64S	9.19	HC2ET	Guayaquil, Ecuador	8:30am-1:30am; Sun. 9:30pm-12 Mid.
4	32.88S	9.125	HAT4	Budapest, Hungary	4am-5:55, 7-8:55, 9-11pm to NA... <u>News</u> 4:25
	32.97F	9.100	HI2G	Trujillo City, D.R.	7:30-9:40am, 6:10-10:40pm. /9:20, 10:25pm.
	33.03S	9.082	CNRI	Rabat, Morocco	2:30-2:50am, 2-6:45pm.
	33.22	9.03	COBZ	Havana, Cuba	8:45am-12am; Sun. 8:45-11pm.
	33.37N	8.99	COKG	Havana, Cuba	7:15-11:30pm irreg. *
54	33.48S	8.96	AFHQ	Algiers, Algeria	1:30-2, 4-4:45, 5-5:30; 6:30-7:45pm pickups for MBS, CBS, NBC, and messages for OWI etc. *
55	33.50S	8.955	COKG	Havana, Cuba	7-10:30am, 3:15-6:30 or later. *
60	33.58S	8.93	KES2	San Francisco, Calif.	6:15am-1pm.
	33.95	8.837		Dakar, Senegal	3:30-3:50, 8:15-9am, 3:15-5:15, or 6pm.
71	33.98	8.83	COCQ	Havana, Cuba	6:20am-12:15am.
44	34.48	8.70	COCO	Havana, Cuba	5:30am- 1:30am.
71	34.62	8.665	COJK	Camaguey, Cuba	12:30-1:30, 4:30-7, 9-9:30pm.
31	34.64S	8.66	W004	New York, N.Y.	8pm-2, 2:15-5am.
	35.44	8.465	XPSA	Kweiyang, China	7:30am-12 Noon, 5:30-6:45pm.
	36.50N	8.22		Dakar, Senegal	3:30-3:50, 8:15-9am, 3:15-5:15, or 6pm.
	37.27	8.05		Kuibyshev, U.S.S.R.	11-11:30am, 12 Noon-2:15, 5:15-6:45pm.
	37.34S	8.035	CNRI	Rabat, Morocco	2-6:45pm (and/or 9:082) *
	37.41	8.02	FXE	Beirut, Syria	1-4:30, 5-7:30, 9am-5pm.
	37.50	8.00	FLAG	Douala, Camerouns	6:45-7:30am, 2:45-3:10, 3:15-3:45pm.
	37.81	7.935	PSL	Rio de Janeiro, Brazil.	Sat. 7-8pm.
	38.00	7.894	YSD	San Salvador, El Salvador	8-11:30pm
	38.15S	7.865	SUX	Cairo, Egypt	2:30-5pm. *
61	38.36	7.82	WKRD	New York, N.Y.	12-4:30am, 5:15pm-12 mid.
	38.36	7.82	WKRX	New York, N.Y.	5-8am.
	38.44N	7.805	WRUL	Boston, Mass.	4-6am.
	38.44N	7.805	WRUW	Boston, Mass.	10:30pm-2am.
53	39.16	7.66	YNDG	Leon, Nicaragua	7-11pm (to 11:20pm Sa/Su)
4	39.40	7.615	YNLAT	Granada, Nicaragua	7:30-11:15pm.
	39.60	7.575	IRV2	Rome, Italy	3:30-4:30pm.
22	39.66	7.565	WDJ	New York, N.Y.	7:15pm-4am.
	39.66S	7.565	KWY	San Francisco, Calif.	4:45-7:05, 8:30-10:30 (Su. 9:30-10:30am)
74	39.68	7.56		Moscow, U.S.S.R.	11pm-4:30, 6-7, 9:10-9:30pm... <u>News</u> - 6pm.
	40.00N	7.50	SU?	Cairo, Egypt	2:30-5pm. *
3	40.05	7.49	YN2FT	Granada, Nicaragua	8-11pm (to 11:20pm Sa/Su)
	40.11F	7.48	XGOI	Shanghai, China	7:15-10am, 9:30-9:45pm... <u>News</u> 8am, 9:30pm.
	40.27N	7.45		Soviet	8-8:30am with 7.177 *
	40.43N	7.42		Jugoslav undercover	4-8pm irreg. *
	40.85N	7.345		Ecuador	To 12 mid. *
	40.87	7.34		Rangoon, Burma	8:30-9:20am.

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31	40.98S	7.32	GRJ	London, England	12:15-1:30, 3:20-4:30am... <u>Eng.</u> 3:30am.
	41.00S	7.315		Vichy, France	2:45-3:45, 6-7, 8-9am
	41.10	7.30		Moscow, U.S.S.R.	11pm-1:45, 2:30-3am, 12 Noon-7:30, 8-9pm.
	41.13	7.295	ZOY	Accra, Gold Coast	12:15-3:15pm... <u>News</u> - 3pm.
	41.13F	7.295	VUD2	Delhi, India	7:30-11am, 9-10:30pm... <u>News</u> 8am, 9:45pm.
32	41.15S	7.29	DJI	Berlin, Germany	3-5:45, 5:50pm-12:15am.
	41.18S	7.285	JLG	Tokyo, Japan	12 mid.-4:30, 4:50-9:30am.
	41.21	7.28	DXL25	Paris, France	3-4pm
	41.21	7.28		Toulouse, France	1-2:40, 6:30-7:40am, 1:20-3:55, 5-6pm.
	41.21N	7.28	VLI9	Sydney, Australia	5:30-6am (Eng.) *
	41.24J	7.275	EAJ43	Tenerife, Canarias	8:30-10am, 6-7pm.



41.30	7.265	HCLBF	Quito, Ecuador	7-11pm (Sat. to 11:30pm) ex. Sun. /8, 10, 45am
41.32S	7.26	VUM2	Madras, India	3-3:40am, 7:45-9:30am, 10:45-10:50am... News-
41.34	7.257	VJV	Tokyo, Japan	4:50-9:30am, 3-6:30pm... News 3, 6pm.
42 41.38	7.25	KGEL	San Francisco, Calif.	11pm-12:45pm.
41.41S	7.245		Vichy, France	2:45-3:45, 6-7, 8-9am.
41.44S	7.24	VUB2	Bombay, India	2:15-3:10, 7:25-8:45am... News- 3, 7:25-8am.
41.44S	7.24	VLQ	Sydney, Australia	4:45-9:30am.
49 41.44S	7.24	DXJ	Berlin, Germany	12:30-4:15, 5:50pm-1:30am to NA... News- 12:30, 2:30, 3:50, 7, 8, 9, 10, 11pm, 12 mid., 1am.
69 41.49S	7.23	KWID	San Francisco, Calif.	6:30am-1:05pm.
69 41.49S	7.23	GSW	London, England	11:45pm-2:45am, 3:15-6:45pm... News- 4:45pm.
41.55S	7.22		Shonan, Malaya	5-10am, 7-7:20, 10-10:20pm... News- 9am.
41.55S	7.22	2R011	Rome, Italy	12:30-2:40, 6:40-9:45, 11:20am-6pm... News-
41.61	7.21	VUC2	Calcutta, India	3-3:55, 6:30-6:35, 7-7:20am/9am, 3:50, 5:00pm.
41.61N	7.21		Moscow, U.S.S.R.	5:50-7:30pm
41.63	7.204		Madrid, Spain	4-7pm
41.65	7.205	YSY	San Salvador, El Salvador	8:30pm-12 mid.
69 41.72F	7.19	CMZ1	Havana, Cuba	10am-1, 6pm-12 mid.
41.78S	7.18	XGOY	Chungking, China	6-7, 7-7:30, 7:35-10, 10-11:35am to NA, 11:35am-12:30, 12:30-1pm to NA, 2:30-5pm.
41.80S	7.177		Moscow, U.S.S.R.	8-8:30, 11am-2:30, 3:20-4:30, 5:15-7:55pm.
41.87S	7.165		Makassar, Celebes	6-9:05am, 6-8, 11pm-12 mid.
41.96	7.15	HC2AX	Vinces Los Rios, Ecuador	Tues/Sat 9:30-11pm.
79 41.96S	7.15	GRT	London, England	1-2:45am, 7:15-10:45, 10:45pm-12 Mid. to NA.
42.00	7.143	EAJ9	Malaga, Spain	4-7:05pm /News- 10:45 p.m.
42.02	7.14	HC4FA	Portoviejo, Ecuador	5-11pm.
42.05	7.135		Oviedo, Spain	3-5:30pm /12:30am.
84 42.13S	7.12	GFM	London, England	1-4:30am, 8:45pm-12:45am... News 10:45pm,
42.31	7.09	EAGAA	Melilla, Span. Morocco	To 7pm.
42.40S	7.075		Athens, Greece	11am-4:30pm. /2, 4:45, 10:45pm, 12:30 a.m.
0 91 42.49S	7.06	GRS	London, England	2-6:45pm to Troops; 9:45pm-12 Mid... News-
42.49	7.06		St. John, Antigua	6-6:15pm; Sun. 4-4:45pm.
42.61	7.045	EAJ24	Córdoba, Spain	Heard 4:40-6pm approx.
42.65	7.037	EAJ3	Valencia, Spain	4-8pm
42.74S	7.02		Ponta Delgada, Azores	3-4pm.
42.82	7.006	EAJ47	Valladolid, Spain	4:30-5:15pm.
42 42.86	7.000	WGEA	Schenectady, N.Y.	8pm-12 mid.

## 49 METER BAND

42.95	6.98		Kuching, Sarawak	12:15-2, 6-7:10am very irreg.
55 42.95	6.98	FO8AA	Papeete, Tahiti	Tues/Fri 11:57pm-12:45am.
42.98	6.98		Moscow, U.S.S.R.	12 Noon-6:45, 6:48-7:23pm to NA, 8-8:30pm.
43.67	6.87	YNOW	Managua, Nicaragua	8pm-12:30am or later.
44.28	6.775	HIH	San Pedro, D.R.	8-9:30pm; Sun. 6:20-7:40pm
94 44.28	6.76	YNDS	Managua, Nicaragua	8-10am, 1-4, 6pm-12:30am.
44.56	6.733		Oran, Algeria	4:30-5pm.
45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun. 6:45-7:45, Tues. 11:15pm-12:15am.
45.25	6.63	HIT	Trujillo City, D.R.	1:10-2:40, 6-9:05pm
45.87V	6.54	TGWB	Guatemala City, Guatemala	9-10, 1:45-4:45, 7:30pm-1am; Sun. 11:30am-6:15, 8pm-1am.
46.01	6.52		Rangoon, Burma	1:45-2, 3-6:20, 7:35-8:30am, 8:15-8:30pm.
46.15	6.50	HIL	Trujillo City, D.R.	1:30-3, 5:10-9pm ex. Sun.
46.48	6.455	COHI	Santa Clara, Cuba	7:42am-10:05pm
46.58	6.44	HILS	Santiago, D.R.	6-8pm ex. Sun.
46.84	6.405	TGCA	Quezaltenango, Guatemala	9pm-12:30am; Sat. 9pm-2am; Sun. 9-
47.02F	6.38	HI9B	Santiago, D.R.	5:40-7:25pm. /9:30am, 8pm-4am.
47.20	6.357	HRP1	San Pedro Sula, Honduras	7-8:30am, 7:30-11:30pm
47.20	6.355	IAC	Rome, Italy	1:30-1:45pm.
47.26	6.35	HILX	Trujillo City, D.R.	6:30-10:15pm; Sat. 6:30-9pm; Sun. 8:15-
47.32	6.343	OAX4G	Lima, Peru	7pm-1am (Sat. to 2am) /10:30p
47.39	6.33	COCW	Havana, Cuba	8:55am-2am.
47.39F	6.33	OAX4H	Lima, Peru	Nightly to 1am.
47.50	6.325	HILZ	Trujillo City, D.R.	7-8am, 12:40-1:40, 4:55-10:45pm.
47.68S	6.29	2R023	Rome, Italy	1-6pm... News 5pm.
47.68	6.29	OAX1A	Chiclayo, Peru	8:30pm-12:30am.
47.77S	6.28		Leopoldville, Belgiano Congo	6:55-8:15am, 2-3:45pm.
47.80N	6.275		Dutch undercover	5:15-5:30pm irreg.
47.92F	6.26	YSR	San Salvador, El Salvador	8pm-12:30am.
47.96	6.255	HJCT	Bogota, Colombia	11am-3, 7-11:40pm.
48.06	6.25	CR8AA	Macao, Macao	To 9am.
45 48.06	6.243	HILN	Trujillo City, D.R.	7:40-9:20am, 12:40-2:40, 5-10:45pm.
48.08	6.24	HRD	La Ceiba, Honduras	9-11:30pm; Sun. 5-7pm.
48.08S	6.24	HJCF	Bogota, Colombia	7:30pm-11:30pm.
56 48.23	6.22	TG2-	Guatemala, Guatemala	8:30-11am, 7pm-12 mid.; Sa. 7pm-2am, Sun. /9-9:30am
48.23S	6.22	2R025	Rome, Italy	2:40-6pm... News- 5pm.

48.23	6.22	German Worker's Station	6:50-7, 7:50-8, 8:50-9, 9:50-10pm.	*
48.35	6.205	OAX3A Huancayo, Peru	9pm-12 mid. approx.	
48.39	6.20	DXL25 Paris, France	Heard to 7:15pm	
48.39	6.20	CP5 La Paz, Bolivia	7:15-9am, 7:30pm-12 mid.; Sun. 4-9pm.	
48.43S	6.195	GRN London, England	3:20-3:35am, 12:15-12:30, 1:30-1:45, 3:45-4, 4:15-4:30, 7:30pm-12:45am.	
49.67	6.19	HILA Santiago, D.R.	8:45-10am, 12:40-2:40, 9:40-10:40pm.	
49.47S	6.19	VUD2 Delhi, India	7:30-8:15am, 9:00-11:35pm... <u>NEWS-</u> 8, 9:45pm.	
48.47	6.19	XECC Puebla, Mexico	Heard evenings to 2am next morning.	
48.47S	6.19	WGEE Schenectady, N.Y.	12:15-4am.	/pm
48.48S	6.188	Gustav Siegfried Eins	10:52-11:05am & hourly to 10:52-11:05	
48.51	6.185	LRM Mendoza, Argentina	7-8am, 6:30-11pm.	
48.54S	6.18	GRO London, England	12:30-1am, 6:20-6:35pm.	
48.54N	6.18	XGKA China	9-10:05am (all-Chinese)	*
48.58F	6.175	XEXA Mexico City, Mexico	9:30am-12 Noon, 3:30-5, 6:30pm-1:30am.	
48.58	6.175	HI9T Puerto Plata, D.R.	5-7:40pm; Sat. to 11pm; Sun. to 8:50pm.	
48.62S	6.17	WCRC New York, N.Y.	12:15-3am. / <u>Sat...News-</u> 9:33pm ex. Sat.	
48.66S	6.165	HRZ3 Bern, Switzerland	7:55-8:30am, 2-5:45, 9:30pm-11pm to NA ex.	
48.70	6.16	HJCD Bogota, Colombia	11am-?, 5pm-12:30am.	
48.70S	6.16	CBRX Vancouver, B.C., Canada	9:30am-2:30am.	
48.74S	6.155	CS2WD Lisbon, Portugal	3:30-6pm	
48.74	6.155	EQB Teheran, Iran	2:30-4pm... <u>News-</u> 3:15pm	
48.78	6.15	HI3C La Romana, D.R.	5:55-7:10pm	
48.78N	6.15	CJRC Winnipeg, Canada	7-10pm (to 12 Mid. irreg.)	*
48.78S	6.15	VUM2 Madras, India	9:10-10pm... <u>News-</u> 9:45pm.	
48.78	6.15	YSPB San Salvador, El Salvador	Nightly to lam.	
48.78	6.15	YV5RM Caracas, Venezuela	12 Noon-3, 5-11pm; Sun. 10:30am-2, 5-11pm.	
48.82	6.145	HJDE Medellin, Colombia	10:30am-11:30pm.	
48.86	6.14	KZRH Manila, Philippines	6pm-9am... <u>News</u> 4:30, 8:30am, 7, 11:30pm.	
48.86S	6.14	DXX Berlin, Germany	12:15-1:15am, 12:15-7, 10-11pm... <u>News</u> 2:30, 3:30, 4:30, 5:30, 6:15pm.	
48.86	6.14	HIIG Trujillo City, D.R.	8:10-9:40am, 12:40-3:10, 4:40-10pm.	
48.86S	6.14	WBOS Boston, Mass.	4-6am.	
48.90S	6.135	FK8AA Noumea, New Caledonia	3:30-4:30, or 6am; Sun. 1:40-2:35am.	
48.93	6.132	CHNX Halifax, N.S., Canada	8am-12:15am; Sat. 9am-12 mid.; Sun. 1pm-12:15am... <u>News-</u> 7am, 5:30, 11pm.	
48.94	6.13	COCB Havana, Cuba	9am-?, 6pm-12 mid.	
48.94	6.13	YV4RO Valencia, Venezuela	7:30-8:30am, 5:30-10:30pm.	
48.98	6.125	CXA4 Montevideo, Uruguay	6-11pm; Sat. to 11:30pm.	
48.98	6.125	WTCY Hsinking, Manchukuo	4-8:30am.	
48.99	6.122	HP5H Panama City, Panama	7pm-12 mid.	
48.99S	6.122	ZFA2 Hamilton, Bermuda	Thursdays 8-8:30am.	
49.02	6.12	YV3RN Barquisimeto, Venezuela	12:30-2:30, 6:30-11:30pm.	
49.02	6.119	XEUZ Mexico D.F., Mexico	10am-2, 8pm-1:10am.	
49.10	6.11	CP2 La Paz, Bolivia	5-10, 11am-2, 4pm-12 mid. / 9, 10:45pm, 12:30am.	
49.10S	6.11	GSL London, England	7:30pm-12:45am to NA, 12:45-2:45am... <u>News-</u>	
49.10F	6.11	XGOW Hankow, China	7:45-10:20am.	*
49.14S	6.105	HJFB Manizales, Colombia	6:30-11pm ex. Sun.; Sun. 6:30-10:15pm.	
49.14	6.105	XGAP Peiping, China	5-8:55am.	
49.21	6.097	HJFK Pereira, Colombia	8-9am, 6:45-11:30pm	
49.21S	6.097	ZRK Capetown, S. Africa	12:45-2:30am... <u>News-</u> lam.	
49.21	6.095	ZYB7 Sao Paulo, Brazil	5-10pm (Sat. to 11pm)	
49.21	6.095	Penang, Malaya	2-10am. Has anyone heard recently?	
49.21	6.095	German Catholic Station	12:15-12:30am.	
49.25	6.09	CBFW Montreal, Canada	7:30am-11:30pm... <u>News</u> 7:30am, 11pm.	
49.25	6.09	ZNS2 Nassau, Bahamas	9-9:15am, 1:45-2:15 (Su. 1:30-2:15), 6-10:30pm... <u>News-</u> 9am, 2, 6:45, 9:00pm.	
49.33	6.082	OAX4Z Lima, Peru	6pm-12:30am; to lam Sun.	
49.34	6.08	WLWO Cincinnati, Ohio	12:15-6am.	
49.34S	6.08	CKFX Vancouver, B.C., Canada	9:30am-2:30am.	
49.34	6.08	GRR London, England	11:45pm-4:30am... <u>News-</u> 3:30am.	
49.42	6.07	CFRX Toronto, Canada	7am-1:30am; Sun. 11am-12 mid... <u>News</u> 7, 8, 9am.	
49.42	6.07	YV5RU Caracas, Venezuela	7:30am-?, 6-11:30pm.	
49.42	6.07	TIWS Puntarenas, C.R.	8:30pm-12:15am; Sun. 3-9pm.	
49.46N	6.065	SBO Stockholm, Sweden	Heard occasionally near 5:30pm.	
49.50S	6.06	WCDA New York, N.Y.	7:30pm-2am.	
49.50	6.06	Bangkok, Thailand	7-10:30am.	
49.54F	6.055	HIL Trujillo City, D.R.	1:30-3, 5:10-9pm ex. Sun.	
49.55	6.054	HJFA Pereira, Colombia	10am-1, 7:30-11:20pm.	
49.56S	6.053	CXAS Colonia, Uruguay	6-7am, 6:15-11:05pm.	
49.59S	6.05	GSA London, England	11:45pm-4:30am, 6:45-8:45pm... <u>News-</u> 3:30am.	
49.63	6.045	XETW Tampico, Mexico	8pm-2am.	
49.66S	6.04	WRUW Boston, Mass.	2:15-6am.	
49.70S	6.035	Hsinking, Manchukuo	4-10:15am, 7-8pm.	
49.73	6.03	HP5B Panama City, Panama	11:30am-3, 7-11pm.	
49.73S	6.03	Komsomolsk, U.S.S.R.	7:40-8:19am to NA.	

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49.73	6.03	CFVP	Calgary, Alta., Canada	8:30am-2am...News- lam. /11pm, Mid., lam
49.73S	6.03	DXP	Berlin, Germany	2:15-6:45pm, 9pm-1:30am to NA...News 9,10,
49.73	6.03	CR7AA	Lourenco Marques, Mozambique	1-2, 5:30-8am, 1-5; Sun. 5:30-8am,
49.75	6.03	XEKW	Morelia, Mexico	9am-2, 6pm-12:40am. /11am-3pm
49.78S	6.026	H11J	San Pedro, D.R.	12:40-2:40, 6:55-8:25pm.
49.80	6.023	XEUW	Vera Cruz, Mexico	8am-2am.
49.85	6.02	DJC	Berlin, Germany	1:45-5:30pm to Africa...News- 2:15pm.
49.88	6.018	HJCX	Bogota, Colombia	Heard to 8am, and to 11:40pm; to 2am irr.
49.88	6.015	H13U	Santiago, D.R.	7:57-9:55am, 12:40-2:40, 5:40-6:40pm
49.88	6.015	PRAS	Recife, Pernambuco, Brazil	4-10pm.
49.92	6.01	CJCX	Sydney, N.S., Canada	7am-2:30, 6-11pm...News 7, 8, 10am, 10pm.
49.92S	6.01	VUD3	Delhi, India	8:25-9:35am.
49.92S	6.01	GRB	London, England	11:45pm-4:30am, 6:45-8:45pm.
49.95S	6.007	ZRH	Johannesburg, S. Africa	12:45-2:30, 11am-5pm *
49.96	6.005	CFCX	Montreal, Canada	8am-11:15pm
49.95	6.005	HP5K	Colon, Panama	8am-2, 6pm-12 mid...News 7, 9:15, 11pm.
49.96	6.002	ZOY	Accra, Gold Coast	6:30-7:15am, 12:15-3:15pm...News- 3pm.
50.00	6.00	XEBT	Mexico City, Mexico	11am-1:30am...News- 8:45pm, 1:20am.
50.00	6.00	ZFY	Georgetown, Brit. Guiana	6:40-8:45, 10:45am-12:45, 3:15-8:20pm. ...News- 7am, 12:00 Noon, 3:45, 6:45pm.

50.21	5.975	OAX4P	Huancayo, Peru	10pm-12 mid.
50.23	5.972	HCLGRX	Quito, Ecuador	7:45-9am; Nights to 12 mid. or later.
50.25	5.97	VONH	St. John's, Newfoundland	8:30am-2:30, 5-9:35pm...News- 5:30pm.
50.26	5.968	HVJL	Vatican City,	2:30-4:30pm; /6:15, 6:45, 9:00 p.m. Thurs. 8-8:20pm; Sun/Th. 9:30-9:50pm (Eng.)
50.38	5.955	MH2S	Port-au-Prince, Haiti	8am-Noon, 8-10:40pm; Su. 1-3pm. / to NA.
50.47S	5.945	ZRD	Durban, So. Africa	12:45-2:30, 7:30-8:10, 11am-5pm...News- 7
50.51	5.94	OAX2A	Trujillo, Peru	9am-12:30am. /12, 12:30am
50.54	5.935		Knabarovsk, U.S.S.R.	10pm-10am or later.
50.54N	5.935	OAX4W	Lima, Peru	5pm-1am approx. *
50.59	5.93	PJCI	Willemsted, Curacao	9-9:15am, 12:30-1:30, 7:45-10:20pm. *
50.85S	5.90	LRS1	Buenos Aires, Argentina	6-11pm. *
50.90S	5.89		Moscow, U.S.S.R.	11pm-4pm intermittently. *
51.00S	5.882		Capetown, S. Africa	12:45-2:30am... *
51.07	5.875	HRN	Tegucigalpa, Honduras	7pm-12 mid. (Sun. to 10:45pm)
51.15	5.865	PZ3X	Paramaribo, Dutch Guiana	7:27-9:26pm ex. Sa/Su; Sa. 5:40-8:40pm; Sun. 9:10-11:40am.
51.19S	5.86		Lisbon, Portugal	3:30-7pm
51.28N	5.85		Santiago, D.R.	7:40pm-12 mid.
52.17	5.75	YNJAT	Leon, Nicaragua	8-11:20pm
52.40	5.725		Quito, Ecuador	9-11pm ex. Sun.
52.45	5.72	HJCY	Hsinking, Manchukuo	8-11am.
55.15	5.44		Moscow, U.S.S.R.	6-6:30, 6:48-7:23pm to NA, 7:30-8pm.

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60.36	4.975	HJAG	Barranquilla, Colombia	12 Noon-12 mid.; Sun. 12 Noon-9pm.
60.42	4.965	HJAE	Cartagena, Colombia	8am-7, 8-11:30pm.
60.67	4.945	HJCW	Bogota, Colombia	7:50-9am, 8:30pm-12 mid.
60.73	4.94		China	9-9:50am.
60.92	4.925	HJAP	Cartagena, Colombia	10am-2:30, 8-11:15pm ex. Sun.
60.98	4.92	YV5RN	Caracas, Venezuela	5-11:30pm
61.29	4.895	HJCH	Bogota, Colombia	12:30-3, 7pm-12 mid.
61.42	4.895	HJDP	Medellin, Colombia	9am-2, 7pm-12 mid.
61.48S	4.88	VUB2	Bombay, India	9-11:30am...News 9am.
61.54	4.875	HJFH	Armenia, Colombia	9am-12 Noon, 7-11:30pm
61.67	4.865	PRC5	Belem, Para, Brazil	6-9:05pm
61.67	4.865	HJEX	Calif, Colombia	7-11pm
61.78	4.865	HJCA	Bogota, Colombia	To 11pm or 12 Mid.
61.98S	4.84	VUC2	Calcutta, India	8-11am...News 8am, 10:50am.
61.98	4.84	YV1RZ	Valera, Venezuela	12:30-2, 6:45-10:30pm
62.11	4.83	YV2RN	San Cristobal, Venezuela	12:30-1:30, 7-10:30pm ex. Sun.
62.18	4.825	HJED	Calif, Colombia	8-11:30pm
62.24	4.82	XEJG	Guadalajara, Mexico	11pm-12 mid.
62.31	4.815	HJBB	Cucuta, Colombia	Signs-off at 12 mid.
62.33	4.81	YV1RL	Maracaibo, Venezuela	12 Noon-2, 5:30-11:30pm
62.50	4.80	YV1RX	Maracaibo, Venezuela	To 11pm.
62.63	4.79	YV6RU	Cuidad Bolivar, Venezuela	6:30-10:30pm
62.70	4.785	HJAB	Barranquilla, Colombia	6-11:30pm
62.76	4.78	HUB	San Salvador, El Salvador	2-3, 9:30pm-12 mid.
62.16	4.75	YV1RV	Coro, Venezuela	7:30-11pm ex. Sun.
62.85	4.70	ZQI	Kingston, Jamaica	6:15-7:15pm; Sun. to 6:55pm.
73.00	4.107	HCJB	Quito, Ecuador	7:45-9:45am, 12:30-3:45, 6-11pm; Sun. 8am-11p
75.00	4.02		Ponta Delgada, Azores	5-7pm.

79.5	3.775		Magadan, U.S.S.R.	3-5:30am.
80.6	3.72		Batavia, Java.	

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