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.
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....

RENEWALS: W. R. Pierce Jr....Perry Ferrell...Thomas Hale...H. H. Row...J. T. Campus...Stanley Savage...Rbt. Acton...George J. Hiss...Royal Danish Legation...Edw. H. DeBaecke...David Levin...Rott. White...Chas. Sutton....L. D. Towns...Art. R. Willis...Francis Hartle...L. M. Clark...John H. May...Ferrill Moreland...David Thomas...J. E. Souviny...Ralph Gozen...Eddie Sloan...Gustav Magnuson...Grady Ferguson...Hank Bennett...J. F. Hoak...Arthur Long...August Balbi...Martin Garvey....W. A. Hefflin...James Forrest...Hal Newell...Ashley Walcott...Nick J. Hock... (Contributions) - W. A. Hefflin...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 HMO. 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 163rd 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, by 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 Bu., Camp Wolters, Texas.

IDA IN THE ARMED FORCES— Edgar Cook (formerly Los Angeles), is now in an infantry communications division at Camp Wolters, Texas...."Training is stiff, and I am down to 125 lbs. but feeling fine," says Pvt. L. H. Hop, at Ft. Bragg, N.C...."Reported as "Missing," and believed to be a pris. of war," says C. E. E. Black, Radio Section of R. A. F., U. S. T., stationed at the Seletar Radio Station, Singapore, when that Airdrome fell to the Japanese. His home address is 87 High St., Steeple, Herts, England....H. Johnson, Los Angeles, in the Naval Reserve, and awaiting call....Rott. Skyten, is now going to Air Force Advance Radio School, Madison, Wisc. Bob is from E. Brookfield, Mass....N. Page, special, 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 of 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. O. 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.
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: N.E. 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.

**SHORTWAVE NOTES**

**NORTH AND CENTRAL AMERICA**

**ALASKA**
- WXH (9.92), heard working WVD, Seattle, at 4:45 p.m. K7XBS (17.48), Fairbanks, relays programs to KEM/KUN, Saturdays 6:30-7pm irreg. WXLO (11.55), heard calling WVD, Seattle, after 7pm (Allen, Schultz-W, Stephenson-C)*

**BRIT. 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.
- CBRX (6.16) & CKPX (6.09), Vancouver, operate 9:30am-2:30am (Stoneman-W...CFVP (6.03) operates 8:30am-2am (Fern-W...After a 2 years absence, CJRX (11.78), Winnipeg, is back on the air and relays CJRC, 1-5:30pm; CJRC (6.15), relays CJRC, 7-10pm (to 12 mid. irreg.); Eng. news at 1:30, 5:15, 7:30, 9:30pm (#Schultz, Balbi, Fern, E. Allen-W, Anderson, Harris, Prendergast, Wilson, Cobb, Becker, Juett, Pag, Gozen, Ferguson, Madigan, Gozen, Newell, Baxter, Young-E).

**C.R.**
- TI2RS (7.45), "Radioemisora Athenea," Heard recently Sun. 7:30-10pm.

**CUBA**
- CMZT, "Voice of Democracy," is now on 7.19 (Jones, Sutton-V, 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-12mid. (#Jones, Juett, Becker, Newell, Ferguson, 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-12mid. (#Jones-E)...HIJ (6.026) signs-off at 8:25pm (Gozen-E)...HI2G is now on 9.10 (Jones, Baxter-Juett-E)...HIGH (6.115) has not been heard for some time (Jones-E)...HIGH is on 6.38 (Baxter-E)

**EL SALVADOR**
- YSR is now on 6.26 (Jones-E)

**MEXICO**
- JETR (9.543) is jumping to 9.618 (Jones-E)...XMLQ (9.515), heard Sun. coming on air at 8:55am; relayed BBC news at 9am (Juett-E)...JETW is on 6.045...KXXA is on 6.175 (Gozen-E)

**PANAMA**
- HPSG (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 (Jones, 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 6.32; KES3 10.62; KGBI 7.25, 11.79, 15.19; KRCJ 9.49; KXYL 7.23, 9.57, 11.87; KVU 10.62; KWFY 10.84; KVSX 7.565; WBOG 6.14, 11.87, 15.21; WCRX 9.49, 9.85, 15.57; WODA 6.06, 11.83; WORC 6.17, 11.83, 17.83; WOW 15.85; WDJ 7.565;
ARGENTINA
An unidentified Argentinian or Uruguayan station on 11.95, operating in the network with CAXA (6.053), and LRY (9.64), is heard 4-11:05pm.

BRAZIL
PRA9 (6.105) has not been in use for some time (Jones-E)...PRA9 (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 (14.47) is off the air (Jones-E)...PSH (10.045), PSL (7.935), PSF (14.69) now operates 6:30-8:15, 8:15-8:45pm (ex. Sun.); Eng. news at 8:30pm (*Jones, Ferguson, Sutton, Heisey-E).
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 9.695-9.790), 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 & 6:00pm. Recordings are broadcast 5-6pm. 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 (12.33); 11-11:30am on 11.94; 2-6:45pm on 9.082 and/or (6.085).... Program pickups for American networks are sometimes made over 11.94 (Allen, Jones-E, 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-E, Jones-E)

**RHODESIA** According to a letter from Accra, Rhodesian stations are operating about as follows: ZRA (6.00), Salisbury, 1:30-2pm (French & Portuguese); ZQZ (5.26), 11:30am-12:30pm; VO2CM (7.265), Luanshya, 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 5:5-5:45pm period is in Arabic (Becker-E, Jones, Patt, Sutton, Harris, Ferguson, Baxter, Gozen, Heisey, Balbi, W, Burton-Eng.)

**SO. AFRICA** So. Africa having returned to Standard Time all SABC schedules are now one hour later, for example, the 11:45am 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 (5.822). ZRL (9.628, 9.62 or 9.608), is now heard weekdays to 11:45pm. ZRG (9.523) is heard to 11:30am and ZRO (9.755) weakly to 10am (Becker-E, Baxter, Sutton, Jones-E, Ferguson, Balbi, Allen-W)

### EUROPE

**CLANDESTINE** Azad Moslem Radio operates 9:30-9:45am on 16.22; 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, Heiflin, Allen-W). Radio Himalaya (15.435) is being heard again irreg. 10-10:30am (Jones-E). German Workers Station is being heard 12:50-1:15pm (Jones-E). A Jugoslav undercover (11.37) is now heard 2:30-2:40pm (Jones-E). A new Slovak undercover station on 9.59, or 9.62, is heard 1-2pm (Jones-E). A new Dutch freedom station is being heard 2:15-2:30pm very irreg. (Jones-E). A new Belgian station on 11.96 (Jones-E). A new Belgian station on 11.96 is heard weekly to 11:45am. ZRG (9.523) is heard to 11:30am and ZRO (9.755) weakly to 10am (Becker-E, Baxter, Sutton, Jones-E, Ferguson, Balbi, Allen-W)

**ENGLAND** Numerous changes have been made in BBC Overseas and European Services. Most of these will be found in the station list. The new schedule of the North American Service follows: To N.A.: 5:15pm-12:45am over GSC (9.59); 5:15-10:45pm over GHR (11.88); 7:30pm-12:45am over GSS (6.11); 7:15-7:30, 10:45 pm-12 Mid. over GRT (7.15); 10:45pm-12:45am over GGH (9.69); to C.A.: 5:30pm 12:45am over GHR (9.83); 5:30-7:15pm over GSS (11.75); 7:30pm-12:45am over GGR (6.195); 10:45pm-12:45am over GFR (7.12); to S.A.: 5:15pm-12:45am over GGR (11.88); 9:45pm-12 mid. over GRS (7.06). The new 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); 4:50pm over GSS (11.86); 5:15-6:45pm over GHR (9.60). GRS is now on 7.06; GGR is back on 6.06; GGR is on 11.682. GSS (7.26) and GSF (11.78) are new BBC frequencies now in use (Wilson, Jones, Baxter, Allen, Heisey, Gozen, Madigan-E, Van Auken-C, Balbi, Picard-W)
FINLAND  Lahti stations 01X4 (15.19),01X3 (11.785),01X2 (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 & 11-1550pm to NA; Eng. news at 9:15am,1:30,6:15,8:15,11:15pm (**Jones,Juett,Ferguson, Harris-E) 01X1 (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.—El...In the Berlin program to N.A., names of American flyers captured by the Germans are read daily at 7:14am; names of, and messages from, American soldiers in German prison camps are read by O.K. at 9:03,11:05pm, 12:05,11:05am. 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 1:00am 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; DXUG (9.59) now broadcasts 3-8:30pm (Jones-E). Other corrections by (Ferguson,Juett,Wilson,Baxter,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,Balbi-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., 11.99-11.93; 2R03 varies in freq., 9.625-9.640; 2R018 varies in freq., 7.88-9.30 (Baxter,Jones-E)...Rome now broadcasts to S.E. 7:45pm-12 mid. over 2R03 (9.63),2R04 (11.81),2R022 (11.79); to WNA: 12:30-1:30am over 2R03 (9.63),2R04 (11.81),2R06 (15.30); Eng. news at 6:30,9:30,10:10,13:30pm,1:30am (+Newell,Juett,Allen,Becker,Wilson,Baxter,Pagenhardt-E,Neidow-C,Balbi-W)...IRV2 (7.757) and I-- (9.555) are now heard 3:30-4:30pm (Jones,Wilson) Other English news-casts from Rome may be heard this period: 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 17.82-11.95-7.45; 10:20pm on 15.465-11.810; 12:20pm on 15.465-11.810, 5pm 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-B,Picker-W)  NORWAY  Norway has gone on Summer Time, thus 1KJ (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 5.36),3:30-7pm; 7-9pm on 11.72 (was on 12.27 for a while); 1-5:30,7;45-7:45 pver CSW6 (11.04); 8-9pm to NA over CSW7 (9.74). CSZD (6.155) now operates 3:30-6pm (**Jones,Gozen,Harris,Allen,Juett,Newell-E). Other corrections by (Ferguson,Juett,Wilson,Bax- ter,Gozen,Allen-E)  ROMANIA  "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 & 7:30pm. Signs-off with Slovak anthem (**Becker,Baxter,Juett,Allen-E, Van Auken-C, Fern,Walcott-W)  SPAIN  Oviedo (7.135) is heard irreg. 3:530pm (Jones-E)  SWEDEN  SBT (15.155) and SBP (11.705) seem to have an early morning program ending at 8am (Allen-E)...SBQ (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 (11.665); 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) & HER5 (6.165); Tues/Sat. 2:45-4:15am to Australia, over HER5 (11.865); Sat.12:30-2pm to S.Africa on 11.96 (**Juett,Jones,Becker, Sutton,Allen,Gozen,Katalus,Ferguson)  U.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? (11.86) heard to 10am...Moscow (10.445) heard at 9:10pm...Moscow (9.86),heard 9:9:30pm or later...Komsomol'sk's (9.645) 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 ms
ASIA AND AUSTRALIA

AUSTRALIA  N.A. Transmissions from Australia remain the same. Portions of the ABC Home Service have been heard approx. as follows: 4:30-6:00pm over VLRG (11.70), & V LF (9.65); VLG7 (15.15) (to 5:10pm); 9:45-11:50pm over VLG6 (15.23); 9:45-9:45am over VLR3 (11.93); 4:45-9:30am over VLR (9.58), VLG7 (9.72); 1:00-10:45am over VLG6 (9.85) (Ferguson, Pagenhardt, Baxter, Becker, Wilson, Jones-E, Van Auken, Allen, Johnson, Fern, Balbi-W)...VLRG (7.28), replacing VLR4 (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 approx. as follows: 4:30-8:00pm over VLRG (11.76), & VLG7 (9.66); VLG6 (15.16) (to 6:10pm); 9:45-11:50pm over VLG6 (15.23); 9:45-9:30am over VLR3 (11.93); 4:45-9:30am over VLR (9.58), VLG7 (9.72); 1:00-10:45am over VLG6 (9.85) (Ferguson, Pagenhardt, Baxter, Becker, Wilson, Jones-E, Van Auken, Allen, Johnson, Fern, Balbi-W)...VLRG (7.28), replacing VLR4 (7.22), broadcasts 5:30-6am with VLG3 (11.71) (Baxter, Campbell-E, Van Auken-C)

CHINA  Chungking's present schedule follows:
6:30-7:00am to Asia on 7.18, 15.19
7:00-7:30am to Japan on 7.18, 15.19
7:35-10am to So. Seas on 7.18, 15.19
10-11:35am to N.A. on 7.18, 9.62

INDIA  India stations have been heard as follows recently:
VUC2 (4.84) heard 9:00-10:00am irr.  VUD6 (11.79 replacing 9.87), heard 7:15-9:00am, heard 7:45am, 9:15pm. VUG2 (4.84) heard 9:00-10:00pm irr.  9:50am, 9-10pm (Eng. news 9am, 9:45pm.) VUD2 (7.21) heard 9:30-11:15am.  VUD5 (15.29) heard 8:15am (Eng. 8am.) VUD2 (7.295) heard 7:30-11am, 8-10:30pm (Eng. news at 8am & 9:45pm.) (Sutton, Baxter, Jones, Becker, Fern-W, Krumlinde, Balbi, Sutton, Ferguson, Juett, Heisey, Cobb, Newell-E, Van Auken-C, Balbi, Picard, Krumlinde, Stoneman-W)

JAVA  Batavia (16.135), has Eng. news at 7, 8, 9, 10:15am, 6, 10, 11pm; Prisoner of war reports at 7:15am, 10:15pm (Cushen, N.z.)

MALAYSIA  Shoman 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. Shoman on 7.22 is heard irreg. 7-8am (Jones, Becker, Fern-W, 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 5:30am (Jones-E)

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

THAILAND  HSPE (11.715) now operates without a break 7-10:30am; English news at 8, 9, 10, 11:30am, 12:15pm; Prisoner messages 12 Noon. HSPE 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)

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 — Variations in frequency; * — See shortwave notes. IMPORTANT English news periods are indicated in list as NEWS.

## 13 METER BAND

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<th>LOCATION</th>
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<tr>
<td>8.95N</td>
<td>21.72</td>
<td>DXE</td>
<td>Berlin, Germany</td>
<td>7-6:15am.</td>
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<tr>
<td>8.95S</td>
<td>21.64</td>
<td>GRZ</td>
<td>London, England</td>
<td>6:15-8:15am</td>
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<tr>
<td>8.97</td>
<td>21.47</td>
<td>GSH</td>
<td>London, England</td>
<td>6:45-11:15am to France</td>
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## 10 METER BAND

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<tr>
<th>METER BAND</th>
<th>CALL STATION</th>
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<th>TIME EASTERN WAR</th>
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<tbody>
<tr>
<td>10.41</td>
<td>DLX</td>
<td>Paris, France</td>
<td>7:30-9:45am to NA...News 7:30,9:30am.</td>
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<tr>
<td>10.41</td>
<td>DJH</td>
<td>Berne, Switzerland</td>
<td>5:45-11:30am, 8am-3:30pm.</td>
</tr>
<tr>
<td>10.42</td>
<td>Athlone, Ireland</td>
<td>8-9:30am, 1:30-2pm...News- 1:45pm.</td>
<td></td>
</tr>
<tr>
<td>10.42</td>
<td>WCRC</td>
<td>New York, N.Y.</td>
<td>9am-5:15, 5:30-7:15pm...News- 9pm.</td>
</tr>
<tr>
<td>10.43</td>
<td>R08</td>
<td>Rome, Italy</td>
<td>7-7:30, 7:45-8:30am...News- 9am.</td>
</tr>
<tr>
<td>10.43</td>
<td>GSV</td>
<td>London, England</td>
<td>1:24-5:45am-2:30pm...News- 2:15,7,9am.</td>
</tr>
<tr>
<td>10.44</td>
<td>WLO</td>
<td>Cincinnati, Ohio</td>
<td>9am-12:30pm...2pm.</td>
</tr>
<tr>
<td>10.45</td>
<td>SG</td>
<td>London, England</td>
<td>6:45-7:15, 8:10-11:30am, 12:45pm.</td>
</tr>
<tr>
<td>10.45</td>
<td>ZNL</td>
<td>Tokyo, Japan</td>
<td>4:15-6:15am...News- 5:05,6am.</td>
</tr>
<tr>
<td>10.45</td>
<td>WRCN</td>
<td>New York, N.Y.</td>
<td>9am-4:45pm.</td>
</tr>
<tr>
<td>10.45</td>
<td>LRB</td>
<td>London, England</td>
<td>5:15-8:45pm to NA.</td>
</tr>
<tr>
<td>10.46</td>
<td>ZRS</td>
<td>Rome, Italy</td>
<td>3:00-11:45am.</td>
</tr>
<tr>
<td>10.46</td>
<td>ZRS</td>
<td>Vatican City</td>
<td>4:45-5:20pm to NA.</td>
</tr>
<tr>
<td>10.46</td>
<td>ZRH</td>
<td>ZRH</td>
<td>5:00pm (Eng.) to NA.</td>
</tr>
</tbody>
</table>

## 19 METER BAND

<table>
<thead>
<tr>
<th>METER BAND</th>
<th>CALL STATION</th>
<th>LOCATION</th>
<th>TIME EASTERN WAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.53S</td>
<td>AFRI</td>
<td>Algiers, Algeria</td>
<td>8-9:45am approx.</td>
</tr>
<tr>
<td>19.53S</td>
<td>W0R</td>
<td>Boston, Mass.</td>
<td>1-3pm.</td>
</tr>
<tr>
<td>19.53S</td>
<td>W0R</td>
<td>Boston, Mass.</td>
<td>1-3pm.</td>
</tr>
<tr>
<td>19.53S</td>
<td>PAX</td>
<td>Dakar, Senegal</td>
<td>8:15-9am, 8:15-5:15 or 5:45pm.</td>
</tr>
<tr>
<td>19.53S</td>
<td>DJR</td>
<td>Berlin, Germany</td>
<td>1am-12 Noon to S &amp; E Asia...News 1:30,3,8am.</td>
</tr>
<tr>
<td>19.53S</td>
<td>W0E</td>
<td>Schenectady, N.Y.</td>
<td>5:30-7:45pm.</td>
</tr>
<tr>
<td>19.53S</td>
<td>W0E</td>
<td>Schenectady, N.Y.</td>
<td>5:30-7:45pm.</td>
</tr>
<tr>
<td>19.53S</td>
<td>DXU</td>
<td>Berlin, Germany</td>
<td>9:45-10:20pm or later.</td>
</tr>
<tr>
<td>19.53S</td>
<td>R0W</td>
<td>Rome, Italy</td>
<td>12:45-1:20pm to NA,7:20-7:45, 9:15-9:45pm, 12:45-2:15pm...News- 6:45-7:15, 9:45-10:45am.</td>
</tr>
<tr>
<td>19.53S</td>
<td>R0W</td>
<td>Rome, Italy</td>
<td>11-5pm to 5pm.</td>
</tr>
</tbody>
</table>

**NOTES:**

- Change in sked; J — Stations persisting

---

**SYMBOLS:** N — NEW stations; F — Frequency changes; S — Change in sked; J — Stations persisting in hopping about; V — Variations in frequency; * — See shortwave notes. IMPORTANT English news periods are indicated in list as NEWS.
20.37 14.73  IGA Rome, Italy 2:15-2:30am.
20.785 14.47 WDO New York, N.Y. 8:45am-4pm.
20.785 14.46 DZB Berlin, Germany 12:30-12:45, 2:15-6:30, 7-10:45am.
21.42N 12.985 CNR Rabat, Morocco 7-8am (or on 12.83 or 11.94)
21.42N 12.983 SDZ Cairo, Egypt 6:15-6:30am.
22.145 12.987 WEVD New York, N.Y. 7:45am-12:45pm.
22.36 12.82 CRCN Rabat, Morocco 7-9am.
22.618 12.705 ETA Douala, Cameroon 6:45-7:30am, 5:15-6:45pm.
24.11 12.455 HCBJ Quito, Ecuador 7:45-9:45am, 12:20-3:45, 6-11pm; Sun.8-4am.
24.47 12.28 MG G Moscow, U.S.S.R. 11pm int. to 12 Noon (Home Service)
25.44 12.25 TPJ Reykjavik, Iceland Tuesdays 7-11pm approx.
25.61 12.19 KOS Moscow, U.S.S.R. 5:45-6:45, 8:45-9:30, 9-9:45pm to NA (Eng.);
25.72 12.13 DZE Berlin, Germany 7:30-9:15am.
25.72 12.12 RFDA Radio France, Algiers, Algeria 2-4, 7-9am, 1-5:30, 5:45-6:15pm.
24.308 12.095 GEP London, England 5am-12 Noon, 6:30-8:30pm.
24.48 12.07 FSW Shanghai, China 12-2, 5-6:20am...News 4am.
24.988 12.01 XIRK Shenzhen, China 5:20-10am, 7:30-8:15, 10:30-11pm...News-8:30.

25 METER BAND

25.00S 12.00 Shonen, Malaya 8-9, 9:30am-12-12:50am...News 8, 9:30am, 12:15pm.
25.045 11.975 CRL 180 Santiago, Chile 7:30-10am, 1-5:30, 9pm-12mid.
25.05 11.97 FZP Brazzaville, Middle Congo 2-2:20, 4:30-9:45, 5-5:30, 11pm-12mid.
25.058 11.96 Tirilis, U.S.S.R. 12:30-1:15, 6:30-7:30am.
25.06N 11.96 Bern, Switzerland Sat.12:30-3 to S. Africa.
25.18S 11.95 ZPAS Encarnacion, Paraguay 4-11:05pm.
25.18S 11.95 Sudetendeutscher Freundschr. 10:25-10:55am irreg.
25.21 11.90 DXFM Berlin, Germany 6-11:15am (Home Service).
25.21 11.90 CXL10 Montevideo, Uruguay 7:25-10:10pm.
25.26 11.883 WRCA New York, N.Y. 5-8:45am, 5-11:30pm.
25.28 11.885 Paris Mondial, France 3:15-5:15pm.
25.68S 11.68 CGB London, England 1-5,6:45-8am to NA, 10am-1:15,2:30-5pm to NA, 5:15pm-12:45am. News: 2:15,5:30,7,11

25.71N 11.67 Leopoldville, Belgian Congo 3:15-2:30, 7am, Noon, 4:15pm /4:30-4:45pm with program of Radio National Belgium.*

25.75S 11.65 XGOK Canton, China 5:40-9:35am. News 8am, 9:30pm.

25.85S V11.822 COK Havana, Cuba 12 Noon-1:30, 4-6:30pm, 7:40-12:15am to NA. Sun.: 12-7/12/18-12:15am.

25.86S 11.62 KZRH Manila, Philippines 5pm-4:30am. News: 8:30am, 7,11,30pm.

25.86S 11.60 Humanitarian Station 1:45-5:15, 6:45-12:00.

26.16 11.47 Voice of Free India 10am-12:05pm. News 11:30am.

26.23S 11.37 Croation Freedom Station 8:30-2:45pm.

26.17N 11.04 CSWS Lisbon, Portugal 1:30-5, 5:45-7:45pm.

26.79 10.84 KVV San Francisco, Calif. 2-4:30am.

26.96S 10.75 V7L0 Nairobi, Kenya Approx. 9:15,10,10:15-11am.

26.8 10.62 KJES Belo,urist, British Honduras 9-9:30pm irreg. (Eng.) *

26.85S V10.943 DeD Berlin, Germany 1:30-3:45, 5:30pm-12mid to NA...News-8:30am, 10pm.

26.81 10.56 IIIL Melbourne, Australia 11:10-1:40am to NA, 7,9,10,11,12,110am.*

26.75S 10.45 Moscow, U.S.S.R. 12:15-12:40, 1:30-1:45, 3-6:30, 7:40-4:15-12noon to NA, 8:30-11:45am, 8:30-11pm.

26.39 10.35 Station Debunk 8:30-9pm.


26.95S 10.06 HIL Port-au-Prince, Haiti 12:30-4:45, 7-11:30pm. Su.: 1-5,7,11,12,10pm.*

26.91 10.06 WTCY Haunting, Munchenno 1:50-2am to NA. News-1800, 9:30pm.

25.94S V10.055 SSV Cairo, Egypt 9-9:15,11am, 12-12:15, 1-1:15pm.

25.98S 10.00 Voice of Free Arabs 1:15-1:30, 2:15-2:30, 3:45-5-30, 4:30-5:15, 7:45,10am.

20.08S 9.98 Prazzaville, Middle Congo 2-2:15, 5:30-5:45pm.

23.97S 9.58 HCJB Quito, Ecuador 7:45-9:45am, 8:30-10:45, 11pm; Sun. 8:30-12mid.

25.85S 9.50 WXRK New York, N.Y. 4:45-7:30am, 2-5pm.

20.31S 9.87 WXRK New York, N.Y. 6-8:45pm.

20.45 9.86 EAG Madrid, Spain 1-2:15, 6:30-8pm to NA. News: 11:15, 7pm.


20.45S V9.85 CR7BE Lourenco Marques, Mozambique 1-2:30am, 6:30-8pm. News: 1-5, 6:30-7:45am.


22.12S 9.79 ZSHQ Rome, Italy 12:40-12:50am, 1-4, 4:30-8:15pm.

20.71S 9.77 Moscow, U.S.S.R. 11-12noon, 7:30-12pm. News-5:00pm.

20.75S 9.75 ZRO Durban, S. Africa 5:30-9, 9:30-6pm; Su.: 5:30-6pm.

20.77S 9.75 WDL New York, Portugal 7-8:30am, 4:15-7pm.

20.60 9.74 T4RN4 Heredia, C.R. Has anyone heard lately?

20.62S 9.735 CW71 Lisbon, Portugal 8-9pm to NA.

20.68 9.72 CBS7 Valparaiso, Chile 7:20-9am, 5:30pm-12:30am.

20.68 9.72 XGOA Chungking, China 7am-1pm...News 10, 11am.

20.68S 9.72 "Radio Patro 9-2-3pm (French)

20.68 9.75 OAX4 Lima, Peru 6:30pm-12am approx.

20.93S 9.70 Danish clandestine 2:15-2:30pm.

20.96S 9.67 WN7N Boston, Mass. 4:15-6, 6:15-7:25, 7:30-10:30pm.

20.96S 9.70 FICO Tanasarene, Madagascan 5-6, 9:30-9:40, 10:30am-12 Noon.

20.95S 9.68 JH6 Taihoku, Taiwan 7:45-10:40am. News: 10:45pm, 12:30am.

20.96S 9.69 ORX London, England 11:30am-6:7-10:45, 10:45-12:45am to NA...

20.98S 9.68 TGWA Guatemala, Guatemala 9:50pm-12:45am ex. Sun.; Sun.: 8-12:45am.

20.96 9.68 LRAI Buenos Aires, Argentina 11:30am-8:30, 9-10pm.

20.99J 9.68 XEQQ Mexico City, Mexico 10am-2:45pm.

20.39 9.68 VLS6 Perth, W. Australia 1-10:45am...News-7, 9am.

31 METER BAND

31.01 9.875 DJX Berlin, Germany 11:20am-5:30pm...News 11:30am, 2:15, 14:15pm

31.05 9.86 WNB New York, N.Y. 5:15pm-2:30am.

31.06 9.67 LRA Buenos Aires, Argentina 6:30-7, 8:30am-11:10pm (to lam Sun.)

31.08N 9.66 VLM Melbourne, Australia 4:20-8pm.

31.08S 9.66 HVJ Vatican City, Mon/Wed/Sat. 11am-Noon, 12:30-2am (Eng.) Su.; 5:30-6am; Tu., 11:30-2:15pm.

31.08S 9.66 XGOW Shanghai, China 7:15-10am, 9:30-9:45pm. News 8am, 9:30pm.

31.06J 9.68 HBBM Port-au-Prince, Haiti 8:30-9am, 1-2-7, 10-10pm ex. Su.

31.09 9.65 DJW Berlin, Germany 1-6:45, 9-10, 11:30am-12:1, 4-15, 5:10pm to NA.

31.09 9.65 WGBQ Schenectady, N.Y. 5-8am to Australia.


31.11 9.645 LID Oslo, Norway 10-10:50pm to NA.

31.11S 9.45 JLT2 Tokyo, Japan 9:20am-12 Noon, 12:50-2:45pm.
**Radio Program Guide**

**Manila, Philippines** 6pm-9am... *News* 4:30, 8:30am, 7, 11:50pm.

**Havana, Cuba** 12:50pm-12 Mid. approx.

**Buenos Aires, Argentina** 5:57-8am, 11:30-2, 3-11pm.

**London, England** 2-5pm.

**Rome, Italy** 12:30-1:20am to W.NA; 3-3:30am, 1-3, 3:30-5, 4-4:30, 6:10, 6:30-7:20, 7:45pm-12 Mid. to E.NA... *News* 1, 3:20am, 3:40, 8, 530, 7, 11:50pm.

**Montevideo, Uruguay** 11am-7pm...

**Addis Abeba, Ethiopia** 10:15-11:30am, 11:15-2:15pm.

**Kalgan, North China** 7-9am.

**Vichy, France** 2-5, 7-8:45, 9:10-10:50pm to NA, 5:15-5:45, 6-7:45, 8-9:30, 9:45-11am; 11:15-12:15am.

**Leningrad, U.S.S.R.** 7:40-8:20am; 10:15-10:30am (Eng.) to NA.

**London, England** 12:30-5:15, 5:15pm-12:45am to NA... *News* 5:45, 6:45, 9:00, 10:45pm, 12:30am.

**Tokyo, Japan** 9-10am; *Bun. 11:30am-12:45pm.

**Paris, France** 12:30-1:30, 2-2:30am, 12 Noon-4, 5:50pm-12.

**Panama City, Panama** 8am-2:30, 9:30-11:30pm; Su. 9am-11:30pm.

**Santiago, Chile** 7pm-12 mid.

**London, England** 1-2:30, 3-4:30, 5pm-5:45pm... *News* 5:15pm.

**Athlone, Ireland** 5:05-5:35... *News* 5:15pm.

**Tokyo, Japan** 5-9am.

**Slovak undercover** 1-1:50pm (or on 9, 62)

**Delhi, India** 1-4:30-5:45, 6:30-9, 35, 10-11am, 12:30-2, 3-2:55pm... *News* 3, 8, 10am, 9, 4:15pm.

**Voice of Free India 9-11pm; National Congress Radio 11:15-11:50pm... *News* 10:50pm.

**Huizen, Holland** 7:15pm-12 mid.

**Cincinnati, Ohio** 7:15pm-12.

**Melbourne, Australia** 11:45am-9:30am.

**Melbourne, Australia** 11-11:45am to W.NA... *News* 11am.

**DXU, Huizen, Holland** 5:50-6:30.

**Vlaams Radio** 6:15-6:45, 9:15-9:50am to NA, 1-2, 3:55-12:30pm.

**London, England** 5:45, 6:45, 9:00, 10, 11:45pm, 12:30am.

**Dublin, Ireland** 2:45-3:45, 4-7, 8-9am, 1:45-2:45pm.

**Berlin, Germany** 4:15-10:45, 11:15-11:30, 11:45am-12:30, 1-2pm.

**Komsomolsk, U.S.S.R.** 4-7:30, 6-8, 6-8am, 5-30, 5:45, 5-8, 9, 11-14pm, 11:15pm, 11-14:30pm.

**London, England** 12:30-5:15, 5:15pm-12:45am to NA... *News* 5:45, 6, 8, 9:00, 10, 11:45pm, 12:30am.

**Paris, France** 12:30-1, 1:15-1:30am, 12:30.

**London, England** 12:30-5:15, 5:15pm-12:45am to NA... *News* 5:45, 6, 8, 9:00, 10, 11:45pm, 12:30am.

**Kosovo, Serbia** 7:15pm-1am.

**San Francisco, Calif.** 2:1-2:52, 3-6:15am, 9:30-12:45am.

**Berlin, Germany** 9:46-10:15, 11:15-11:30, 11:45am-12:30, 1-2pm.

**GSC, London, England** 12:30-5:15, 5:15pm-12:45am to NA... *News* 1:30-4:10pm.

**Chooseate, Lima, Peru** 7:15pm-12.

**VLR, Melbourne, Australia** 11-11:45am to W.NA... *News* 11am.

**Melbourne, Australia** 11-11:45am to W.NA... *News* 11am.

**Melbourne, Australia** 11-11:45am to W.NA... *News* 11am.

**DXU, Huizen, Holland** 7:15pm-12 mid.

**Dallas, Texas** 1:30-4:10pm.

**Mexico D.F., Mexico** 24 Hours daily.

**XMT, Mexico City** 10:15-10:30am (Eng.) to NA.

**Melbourne, Australia** 8-11:45am to E.NA, 9-10am... *News* 8:10am.

**Oaxac, Lima, Peru** 9-10am; Sun; 11:30-12:45pm.

**Cincinnati, Ohio** 5-5:30, 5:30-6, 12:15-12:45.

**OAX4, Lima, Peru** 9-10am; Sun; 11:30-12:45pm.

**XMRE, Mexico City** 10:15-10:30am (Eng.) to NA.

**Melbourne, Australia** 5:45-6, 6:15-12:45am to NA... *News* 8:10am.

**XMT, Mexico City** 5:45-6:30am, 5:45-6, 6:15-12:45am to NA... *News* 8:10am.

**Radio Metropole (Belgrade), 3:40-4:45pm, 9:15-9:45pm irreg... *News* 9:15am, 1:30, 5, 11am, 11-7:30apm.

**Radio Metropole (Belgrade), 3:40-4:45pm, 9:15-9:45pm irreg... *News* 9:15am, 1:30, 5, 11am, 11-7:30apm.
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Time Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>22:00</td>
<td>COBC Havana, Cuba</td>
<td>9am-11:15am; Sun. 6am-11:30pm</td>
</tr>
<tr>
<td>22:00-2:30am</td>
<td>WCBS Miami, Florida</td>
<td>8pm or earlier to 11:30pm</td>
</tr>
<tr>
<td>22:12</td>
<td>OAKX Lima, Peru</td>
<td>9-10am, 1-7pm-2am</td>
</tr>
<tr>
<td>23:19</td>
<td>LBS Buenos Aires, Argentina</td>
<td>8-9am, 2-3:10, 6-10pm</td>
</tr>
<tr>
<td>23:28</td>
<td>OAKY Lima, Peru</td>
<td>5pm-7am approx.</td>
</tr>
<tr>
<td>23:29</td>
<td>COCH Havana, Cuba</td>
<td>6:30am-1am approx.</td>
</tr>
<tr>
<td>23:41</td>
<td>Bucharest, Rumunia</td>
<td>7-10am, 1:45-5pm; Nov. 4:55</td>
</tr>
<tr>
<td>23:46</td>
<td>HZG Budapest, Hungary</td>
<td>6:30am-3:30pm; Sun. 8:30-10:30pm</td>
</tr>
<tr>
<td>23:50</td>
<td>HIRG Trujillo City, Peru</td>
<td>7:30-9:40am, 6:10-10:40pm</td>
</tr>
<tr>
<td>23:52</td>
<td>CNOB Rabat, Morocco</td>
<td>2:20-2:50am, 8-4:45pm</td>
</tr>
<tr>
<td>23:52</td>
<td>COBZ Havana, Cuba</td>
<td>8:45am-12am; Sun. 8:45-11pm</td>
</tr>
<tr>
<td>23:57</td>
<td>COKG Havana, Cuba</td>
<td>7:15-11:30pm irreg.</td>
</tr>
<tr>
<td>01:30</td>
<td>AFRQ Algiers, Algeria</td>
<td>1:30-4:14:55, 5-5:50; 6:30-7:45pm pickups for MBS, CBS, NBC, and messages for OWI etc.</td>
</tr>
<tr>
<td>02:30</td>
<td>COBC Havana, Cuba</td>
<td>7-10:30pm; 5:15-6:30 or later.</td>
</tr>
<tr>
<td>02:55</td>
<td>KB2C San Francisco, Calif.</td>
<td>6:15am-1pm.</td>
</tr>
<tr>
<td>03:28</td>
<td>OAKQ Havana, Cuba</td>
<td>6:20am-12:15am.</td>
</tr>
<tr>
<td>04:46</td>
<td>COCY Havana, Cuba</td>
<td>5:30am-11:30am.</td>
</tr>
<tr>
<td>05:41</td>
<td>Suweiya, Syria</td>
<td>1-6:40am, 7:30-9:30am.</td>
</tr>
<tr>
<td>05:50</td>
<td>YGSA Douala, Cameroons</td>
<td>6:45-7:50am, 8:45-10-13:3-4:55</td>
</tr>
<tr>
<td>06:00</td>
<td>Rio de Janeiro, Brazil</td>
<td>7-9:30pm.</td>
</tr>
<tr>
<td>06:00</td>
<td>WSD San Salvador, El Salvador</td>
<td>8-11:30pm.</td>
</tr>
<tr>
<td>06:15</td>
<td>SUX Cairo, Egypt</td>
<td>2:30-5pm.</td>
</tr>
<tr>
<td>06:32</td>
<td>WKED New York, N.Y.</td>
<td>12-4:30am, 5:15pm-12pm.</td>
</tr>
<tr>
<td>06:36</td>
<td>WXRX New York, N.Y.</td>
<td>4-6am.</td>
</tr>
<tr>
<td>06:44</td>
<td>WROL Boston, Mass.</td>
<td>10:30pm-2am.</td>
</tr>
<tr>
<td>06:50</td>
<td>YNDD Leon, Nicaragua</td>
<td>7-11pm (to 11:20pm Sa/Su)</td>
</tr>
<tr>
<td>07:30</td>
<td>YNLAT Granada, Nicaragua</td>
<td>7:10-11:15pm.</td>
</tr>
<tr>
<td>07:35</td>
<td>INV2 Rome, Italy</td>
<td>7:30-4:30pm.</td>
</tr>
<tr>
<td>07:58</td>
<td>WDJ New York, N.Y.</td>
<td>7:15pm-4am.</td>
</tr>
<tr>
<td>08:00</td>
<td>KWSY San Francisco, Calif.</td>
<td>4:45-7:05, 8:30-10:30 (Su. 9:30-10:30am)</td>
</tr>
<tr>
<td>08:30</td>
<td>MOSU Moscow, U.S.S.R.</td>
<td>11pm-4:30pm, 6-7; 9-10:30pm; News 6pm</td>
</tr>
<tr>
<td>08:00</td>
<td>SUE Cairo, Egypt</td>
<td>2:30-5pm.</td>
</tr>
<tr>
<td>08:05</td>
<td>YNEXF Granada, Nicaragua</td>
<td>8-11pm (to 11:20pm Sa/Su)</td>
</tr>
<tr>
<td>08:11</td>
<td>XORL Shanghai, China</td>
<td>7:15-10am; 9:30-8:45pm; News 8am, 9:30pm</td>
</tr>
<tr>
<td>08:27</td>
<td>SBV Soviet</td>
<td>8-8:30am with 7.177</td>
</tr>
<tr>
<td>08:45</td>
<td>Jugoslav undercover</td>
<td>4-8pm irreg.</td>
</tr>
<tr>
<td>09:00</td>
<td>EDU Ecuador</td>
<td>To 12 mid.</td>
</tr>
<tr>
<td>09:12</td>
<td>Rangoon, Burma</td>
<td>6:30-8:30pm.</td>
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</table>

**14** MEETING END
7:11 pm (Sat. to 11:30 pm) ex. Sun., 8:10:45 am.

7:11 pm (Sat. to 11:30 pm) ex. Sun., 8:10:45 am.

7:11 pm (Sat. to 11:30 pm) ex. Sun., 8:10:45 am.

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7:11 pm (Sat. to 11:30 pm) ex. Sun., 8:10:45 am.
<table>
<thead>
<tr>
<th>Time</th>
<th>Station Name</th>
<th>Country</th>
<th>Frequency</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>00:00-02:00</td>
<td>OAXAZ</td>
<td>Lima, Peru</td>
<td>6:30-7, 7:30-8, 8:30-1, 9:30-10:30</td>
<td>variably heard, mainly in 2-4 am time.</td>
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<td>02:00-04:00</td>
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<td>04:00-06:00</td>
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