

MARCH-APRIL  
1943

# THE GLOBE CIRCLER

COMPLETE GUIDE-BOOK FOR SHORT-WAVE LISTENERS



Lenora Amar, charming Brazilian songstress, currently presented by NBC International Division, Mondays and Saturdays.

\*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

SUBSCRIPTION PRICE \$1.50 PER YEAR ANYWHERE

# THE GLOBE CIRCLER

PUBLISHED MONTHLY

CHARLES A. MORRISON  
EDITORINTERNATIONAL DX'ERS ALLIANCE  
NORMAL, ILL. U. S. A.

MARCH-APRIL, 1943

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## EDITORIAL

Barring unforeseen delays the next issue of the GLOBE CIRCLER will be mailed on about May 1.

By slightly reducing the size of the type in the shortwave list we have been enabled to add 8 extra lines per page or a total of 72 extra station lines in the 9 pages of the list. With a total of nearly 700 lines of station listings we think we have the most complete short-wave broadcast station list being published today. This should certainly be something to tell your radio friends about.

With more and more members leaving each month for the armed forces we face an ever increasingly difficult financial problem. Whether we are able to continue to get out your GLOBE CIRCLER will depend entirely upon the editorial and financial support that those remaining at home are willing to give. Our notes and list fulfill - we believe - an important wartime radio service.. In behalf of the IDA I sincerely hope we can continue it. Each of you do your share towards this end by (1) contributing as many reception and station notes, as often as possible, and (2) by paying your renewal promptly (whether dx'ing at present or not); by recommending our publication to anyone interested in short-wave; by making a small contribution when, and if, you can - Ed.

LISTENING POST OF WARREN STARK  
WAUWATOSA, WISCONSIN.INTERNATIONAL DX'ERS ALLIANCE  
CLUB NOTES

## NEW MEMBERS

R.A.Helliwell, Palo Alto, Calif... Quentin Glenn, Carlisle, Penna... A.T.Eley, BIRMINGHAM, ENGLAND... W.A.Madigan, New York City, N.Y... Chester C.Cecil, ANCHORAGE, ALASKA... J.A.Roesch, Chicago, Ill... Melton Amos, Kellogg, Idaho... G.H.Pettengill, Dedham, Mass... Ted Whiting, FIVE DOCK, NSW, AUSTRALIA..... G.E.Perrin, Rochester, N.Y... G. Deligianis, San Francisco, Calif... Gilbert L. Harris, North Adams, Mass.

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NEW REGIONAL MONITORS: Eugene S. Allen, Berkeley, Calif... Ed Prendergast, Albertson, L.I., New York.

## WANTED OR FOR SALE

Wanted by T.A.Crede, 11 Ave.B, Latrobe,

Penna: Hallicrafters Model HT-7 Frequency Standard in Al conditions..... Wanted by C. S. Sutton, 402 Poinsetta Ave., Toledo, Ohio: RCA All-Wave, or other Doublet of good quality, in Al condition... For Sale by E.S.Allen, at 1710-10th St., Berkeley, Calif: 10 tube Patterson PR-10 communications rcvr. & 2 tube RF pre-selector; also Magnavox speaker. Reasonable.

IDA IN THE ARMED FORCES: Jas. Dale, Los Angeles, left for duty with Coast Guard on Feb.23... Ed.Nicolassy, Middle Village, L.I., is now in the Infantry, at Ft. Jackson, S.C... Ex-RM Billy Warren Lyerly of Ft.Worth, Texas, was inducted into the Navy on Feb.17... Ray Messer & wife, S.Portland, Me., recently visited their son-a Flight Officer-at Bowman Field, Ky... Alan Breen, Auckland, N.Z., is now a wireless mechanic in the Royal N.Z. Navy... N.Pagenhardt, of Hickory, N.C., who has been hospitalized at Ft.Bragg, N.C., is now home..... After having been given an honorary medical discharge... E.Prendergast is a plane mechanic at Roosevelt Field, L.I, N.Y... Received nice letter from Capt. Eugene Darlington (ex-W2XAF/D Dir.at GE), now in Army Air Corps Communicat's

# SHORT WAVE NOTES

EDITOR-IN-CHIEF--CHARLES A. MORRISON

ASSOCIATE EDITORS: J. Wilson, A. Balbi, G. Ferguson, R. Juett, Chas. Leboeuf, Thos. Jones.

PRESS DEADLINES FOR MAY-JUNE GLOBE CIRCLER: APR. 12. THE MAY-JUNE GLOBE CIRCLER will be mailed on, or about May 1.

Shortwave information is now vitally important. We need plenty of notes. Please submit items as follows: Use one side page only...Double space lines...Group all 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 war interest; detailed authentic information concerning station schedules, addresses, power etc. It is imperative that any important items reach me by fastest mail.

Four star (\*\*\*\*) items denote exceptional merit...Each Five star (\*\*\*\*\*) item pays its contributor \$2.00 in war stamps...In crediting items the general geographical location of that member- if in North America- 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

E.W.T.		E.W.T.
BAHAMAS	ZNS2 (6.09) now operates nightly 6-10:30pm; Relays BBC Eng. news at 9 am, 2, 6:45, 9pm; local news at 2:15, 8:15pm; is qrm'ed by ZYB7 (Juett-C)	
BERMUDA	NEW: Inaugurated on Feb. 11, ZFA2 (6.122), broadcasts Thursdays 8-8:45 pm. The all-English program for Bermuda listeners includes a commentary on local events at 8:02pm, followed by an economic discussion. The transmitter is that used for commercial radio by Cable and Wireless Ltd. (**Becker, Baxter-E)	
CANADA	CBFW (6.09) opens at 7:30am with Eng. news (Allen-E)...CBFY bothered with same crystal trouble still jumps to 11.745 occasionally (Jones-E)	
CUBA	COCM (9.933) opens at 7:45am (Mrs. Allen-E)...COCY (11.737) opens at 9am (Gozen-E)...According to Radio Guia, CMZ is on 7.20; CMZI on 7.215. CMZI actually on 7.21-7.215, opens at 10am (Ferguson, Juett-E, Van Auker-C)...COJK (8.665) opens its Sunday programs at 11:30am (Ferguson-E)...COKG having crystal trouble varies from 8.955 to 9.01 mcs. (Juett-C)	
CURACAO	PJCI, "Radio Princesa Juliana, "Willemsted, now operates on 5.936 and 7.23, the 9.105 freq. being dropped on Jan. 30. Approx. sked is 9-9:15am, 12:30-1:30, 7:45-10:20pm (Jones, Ferguson, Allen, Radio Guia-E, Juett, Baxter-C, Balbi-W)	
D.R.	HILG now operates on 6.14, 4:40-9:40pm (Ferguson-E, Baxter-E)...HILJ operates 6:55-7:25pm only (Gozen-E)...Is anyone hearing HIH (6.775)?...HILS (6.44) operates 6-8pm ex. Sun (Gozen-E)...HILZ (now 6.325) now opens mornings at 7am; afternoons at 4:55pm (Allen, Newell-E)...HI3X (11.88) is on the air again (Gozen-E)...HI9B (6.39) is heard 5:40-7:25pm; Sun. to 8:50pm. HI9T (6.175) relays the same church service as HI9B Sun. to 8:50pm (Gozen-E)...HIL (6.50) broadcasts 5:10-9pm ex. Sun (Gozen-E, Juett-C)...HIT (6.63) is heard daily ex. Sun, 6:00-9:05pm; involved chimes at 9pm (Gozen-E, Krumlinde-W)...Unknown on approx. 6.93, thought to be DR station, heard to 8:30pm (Juett-C)	
EL SALVADOR HUB	(4.78) broadcasts English program, Wed. 10:30-11:22pm (Krumlinde W)...YSR (6.27) has Eng. lessons near 8:30pm (Jones-E)	
GUADELOUPE	FG8AH (7.446) is off the air (Juett-C)	
GUATEMALA	TGWA (9.685) and TGWB (now 6.54), operate Sun/Mon to 1am; Tu. through Fri. to 1:10am; Sat. to 2am. (Sutton, Becker, Juett, Gozen-E, Krumlinde-W)	
HAITI	HHBM (9.658), P.O. Box 118, Port-au-Prince, 450w, operates 7:05-10:30pm nightly ex. Sat/Sun; signs-off with "Marseillaise" (Gozen-E, Lyerly-C, Cushen-NZ) ...HH2S (5.955) broadcasts weekdays 8am-12 Noon irreg., Sun. 1-3pm (to N. Africa in French & Arabic), weeknights 7:30-10:45pm (*Jones-E)	
HONDURAS	HRN (5.875) broadcasts Sun. 9-10:45pm (Juett-C)...HRP1 (6.357), broadcasts nightly 7:30-11:30pm (Jones-SE)	
JAMAICA	ZQI (4.70), Kingston, operates 6:15-7:15pm (Sun. to 6:55pm); Signs-off with "Star Spangled Banner" and "God Save the King" (Cobb-E)	
MEXICO	XEFT has moved to about 9.548 (Gozen-E)...XEQQ (9.68) still having crystal trouble (Juett-C)...	
NICARAGUA	According to a letter from J.D. Garcia, Capt. G.N. Gerente-General, "La	

Voz de Nicaragua, "operates, 8-10am, 1-4, 6pm-12:30am. YNDS is believed to be the correct call for YNRS on 6.76. Freq. of YNPS the other "La Voz de Nicaragua" station is unknown (Ferguson-E\*\*)

U.S.A. Associated Broadcasters, San Francisco, owners of KWID, seek to build another 50 KW station. Crosley Corp., Cincinnati, wishes to build a new 200 KW station (FCC). . . None of the following have been heard recently: WDI (5.052), WCL (9.39), WJQ (10.01), WDO (14.47) (Wilson, RL-E). . . Following are schedules, or schedule revisions of U. S. stations as far as we can ascertain: KWID- 5-9:15pm on 15.29; 9:30pm-12:45, 1-6:15am on 9.57; 6:29am-1:15pm on 7.23. . . KGEI- 5:00-10:45pm on 11.73; 11pm-12:45, 12:58am-12:05pm on 7.25; KRCA (9.49), formerly KEI, relays KGEI-KWID, 1am-1pm. West coast transmitters (ex. KWU) are now operating in a network hookup known as the "United Network". . . KWU- 4:30-6:15, 7:45-9:30pm (Sun. 5-6pm) on 15.355 (Leboeuf, Sutton, Wilson, Cobb-E, CAM, Van Auken-C, Krumlinde, Picard-W). . . WBOS- 4:30 (or earlier)-6am on 6.14; 6:15-8am on 11.87; 8:15am-12:45pm on 15.21; 1-5:15pm (Eng), 5:30pm-12 mid. on 11.87. . . NEW: WBS- 12:00 (or earlier)-5am with WLWO. . . WCBX- 6am-4:45, 5-7:45pm on 15.27; 7:50-11:30pm on 9.49; 11:45pm-2am on 9.65. . . WCDX- 6am-6:45pm on 11.83; 7:30pm-2am on 6.06. . . . . WGEA (6.19) heard approx. 1-2am. . . WJP (8.81), 7pm-12:30am. . . WKRB, formerly WHL5 (12.9675), operates 8:30am-2:45pm. . . WKRD, formerly WHL5 (9.897), 1-10am, 3-5pm; 5:15-9pm on 7.82. . . WKRX (7.82), 9pm-8am. . . WLWO- 12:15-6am on 6.08; 10am-1pm on 17.80; 1:15-5:15pm on 11.71; 5:30-7pm on 15.25; 7:15-12 mid. on 9.59. . . NEW: WOO (8.66), 8pm-2am. . . WRX (9.905), 6pm-12 mid. . . WRUW-WRUL, 2-4:30am on 6.04; 4:30-6 on 9.70; 6-8am on 15.35; 11am-1pm on 17.75 & 15.35; 1:30-2:30pm on 15.35 & 11.79; 2:30-7:30pm on 11.79 & 9.70; 7:30pm-2:00am on 11.79 & 9.70 mcs. . . The temporary authorization for the operation on WRUS has been cancelled by the FCC (Newell, Wilson, Cobb, Hankins, Ferguson, Baxter, Mrs. Allen, Baker-E, Juett, CAM, Van-Auken-C, Picard, Krumlinde)

#### SOUTH AMERICA

UNKNOWN Latin on 5.85, heard 8pm-12 mid; best 8-9pm, believed to be in Chile? (Jones, Baxter-E, Juett-C) . . . Latin on approx. 6.90 heard near 7-8pm (Baxter-C) . . . Latin on 9.548, heard 6:30-10:30pm, or later, qrm'ed by XEFT (Gozen-E) . . . Latin on 9.636, qrm's LRI (9.64), believed to be in southern S.A. (Fern-W)

ARGENTINA LRA5 (17.72) & LRA1 (9.688) broadcast to N.A., Fri. 4:45-5:30pm; includes tolling of bells at 5pm; Spanish 5-5:10, English 5:10-5:20, French 5:20-5:30pm (\*Jones-E) . . . LRI (9.64) heard 3-11pm (Gozen-E) . . . LRM (6.185), "Radio Aconagua de Mendoza," Mendoza, operates 7-8am, 6:30-11pm; heard best after GRO signs-off at 7:45pm (Baxter, Jones-E, Juett-C) . . . LRS (9.32), LRS1 (5.90), now operate 6-10pm (Newell, Jones-E, Juett-C) . . . LRX (9.66) broadcasts to lam Sun. morning (Ferguson, Becker-E, Krumlinde-W) . . . LSN2 (9.89) relays CBS programs approx. 10-10:15pm (Jones)

BRAZIL Brazil (6.66) is off the air (Legge, Baxter-E) . . . Com. stations of "Radio Braz," Cia. Radiotelegraphica Brasileira, Avenida Rio Branco 77, Caixa Postal 500, Rio de Janeiro, are PUS (19.97), PPU (19.26), PPH (11.93), PPQ (11.67), PPM (10.31) (Ferguson, Allen-E) . . . PRE9 (15.165), operates 5-9:05pm; signs-off with "God Bless America" (\*Mann, Jones-E) . . . PRL8 (11.72), Radio Nacional, Rio de Janeiro, 50KW, broadcasts 3-4 to Portugal, 4-5:40pm to Europe (4:30-5:40pm to England), 5:40-10pm (Sun. to 10:20pm) to Latin America, 10-11:10pm ex. Sun. to N.A. Frequently evenings Radio Nacional uses PRL7 (9.505) (\*Payette, Cobb, Newell, Glenn, Wilson, Schrock, Watson, Sutton, Ferguson, Mann, Jones, Madigan, Gozen, Becker-E, Roberts, Juett, CAM-C, Krumlinde, Balbi, Allen, McNamara-W) . . . PSL (7.936), now heard 7-8pm Sat. only (Jones-E) . . . PSH (10.22) now opens nightly ex. Sun 8:30pm (Newell-E) . . . ZYB7 (6.095) & ZYB8 (11.765), operate 5-10pm (Sat. to 11pm); also can use ZYB9 (15.15) optionally (\*Jones, Newell, Radio Guia) . . . S.F. Brazilian Consulate reports a new 25 KW xmtr. has been completed in Rio, to operate on 6.2, 9.62, 15.37 (also 11.85 or 11.895), with calls ZYC7, ZYC8, ZYC 9 (\*\*Fern-W)

BRIT. GUIANA ZFY (now on 6.00) relays BBC Eng. news at 7am, 12:30, 4:45pm; has program preview at 8:10pm; closes down at 8:15pm with "Goodnight Melody" and "God Save the King" (\*Cobb, Newell, Mann, Allen, Sutton, Baxter-E, Juett-C)

CHILE CE970 (9.73), now heard evenings 5:30am-12:30am (Gozen-E) . . . CEL174 (11.743) is now off the air (Legge-E)

COLOMBIA HJCF (6.24) signs-off at 11:30pm (Jones-E) . . . HJCT is now on 6.27; it signs-off at 12:15am (Jones-E, Krumlinde-W) . . . HJED (4.823) closes down at 11:35pm with "Good Night" recording (Krumlinde-W) . . . HJFK (6.097) opens at 6:45pm (Jones)

ECUADOR HDR (15.515), heard occasionally testing approx. 10:30am-12 Noon (\*Baxter, Ferguson, Madigan-E) . . . HCJB (12.455, 9.958, 4.110), broadcast Span. lessons Thurs, Fri, Sat at 7:30pm (Cobb-E) . . . HC2AX (7.15), "Radiodifusion Municipal," Vinces del Rios, is heard Tues/Sat 9:30-11pm (\*\*Legge, Baxter-E) . . . HC4FA (7.14), "La Voz de Manabi," Portoviejo, is heard 5-11pm irreg. (\*\*Legge, Baxter, Jones-E, Juett-C)

PARAGUAY NEW: ZPA5 (11.95), "Radio Encarnacion," Encarnacion, relays ZP5, 6:30-8pm;

qrm from KKQ (11.95) at times (\*\*Gozen, Juett, Baxter, Newell)  
 PERU OAX2A (5.94) operates to 12:30am (Jones-E)...OAX4A (15.09 & 15.17),  
 Radio Nacional, Lima, tested 12-1:15pm for several days (Jones-E)...OAX4K (9.715-  
 9.705), Lima, back on the air, is heard approx. 6:30pm-12:20am (Jones, Ferguson, Go-  
 zen-E, Juett-C)...OAX4T (9.562) operates 9-10am, Sun. 11:30am-12:45pm; Setting-up  
 exercises at 9:30am (\*Jones-E)...OAX5C (9.50) does not seem to be on now (Jones)  
 URUGUAY CXA6 (9.62) signs-off at 7pm (Gozen-E)...CXAS (6.053), operates 6-7am,  
 6:15pm-12 mid; operates usually in parallel with CXAL4 (11.84), also in Colonia &  
 LRI (9.64), Buenos Aires, relaying LR3, "Radio Belgrano" (\*Allen, Legge-E, Balbi-W)..  
 CXAL4 (11.84), Colonia, relays LR3, approx. 5pm-12 mid. (Baxter, Legge-E\*)  
 VENEZUELA YV5RL (4.88) heard in parallel with YV5RN, Caracas (Krumlinde-W)

AFRICA

ALGERIA "Radio France" (formerly TPZ), on 12.12, Algiers, operates 2-4, 7-9am,  
 1:30-2:30, 3-5, 5:15-5:40pm; French news at 2:25, 7:05, 1:35, 3:05, 4:55, 5:15pm  
 (\*\*Wilson, Sutton, Ferguson, Becker, Jones, Leboeuf, Baxter, Allen-E, Juett, CAM-C).....  
 AFHQ (Allied Forces Headquarters), Algiers, calls U. S. networks, OWI & BBC, on  
 16.025 (also heard on 15.105), near 8-10am intermittently; Official communique  
 is given near 9am. AFHQ (8.96), continues to call networks, & OWI, weekdays 6:25-  
 7:45pm & Sun. 2:30-3pm (\*Sutton, Wilson, Swanson, McLeon, Newell, Harris, Ferguson,  
 Legge, Payette, Jones, Becker, Madigan-E, Roberts, Juett, CAM-C)

ANGOLA CR6RA (9.47), has tuning signal of 3 Sessions chimes strokes repeated  
 3:22-3:29pm before start of broadcast; announcer is woman. Program is all Por-  
 tuguese (\*Mann, Newell, Jones, Becker, Harris-E, Juett-C)

BEL. CONGO "Radio Congo Belge" operates 6:55-8:15am on 20.04, 17.77, 11.72, 6.28;  
 2:00-2:29pm on 11.72 & 6.28 (or 10.14); 2:30-4:30pm on 17.77, 11.72, & 6.28 (or  
 9.62) (\*Jones, Becker, Wilson-E)

CAMEROONS Radio Cameroun (12.705), is being heard daily ex. Sun, 3:15-3:45pm with  
 French program. Tuning signal sounding like a bugle call on a penny whistle pre-  
 cedes opening of program. Woman gives identification; man reads news and com-  
 mentaries. According to announcements station operates: 6:45-7:30am and 2:45-  
 3:10pm on 8.00 & 6.936; 3:15-3:45pm on 8.00 & 12.71. Heard a few times weakly  
 on 8.00 (\*\*Allen, Newell, Madigan, Legge-E, CAM-C)

EGYPT Morning network pickups are made over SUZ (13.82); Sunday afternoon  
 pickups over SUV (10.055); evening pickups over SUX (7.865) (Ferguson, Jones, Cobb)

KENYA VQ7LO (10.73), is heard irreg. approx. 9-10, 10:45am-1, 1:30-3pm. Midday  
 schedule doesn't seem to be daily. BBC Eng. news is relayed at 2pm; local Kenya  
 news at 2:15pm. Reception is best 2-3pm (\*\*Newell, Becker, Jones-E, Van Auken-C)

MADAGASCAR Radio Tananarive (9.70) heard opening at 10:30am with "God Save the  
 King." (\*\*Jones-E)

MIDDLE CONGO FZI (11.97) has Eng. news at 3:45pm (Becker, Baxter, Sutton-E).....  
 Radio Club, Brazzaville (17.30 approx.), heard 2-3:30pm weakly; Relays French  
 news over FZI (11.97), and Radio Club (9.98), 3-3:20pm...Radio Club (9.98), is be-  
 lieved to operate 3-5:30pm intermittently; relays FZI (11.97), 3-3:20, 3:45-4, 5-  
 5:30pm etc. (Jones, Newell, Becker, Sutton-E)

MOROCCO All of "Radio Maroc's" broadcasts now seem to take place on its new  
 frequency of 9.082 mcs. The schedule is as follows: 2:30-2:50, 7:30-9am, 2-6:50pm;  
 French news every hour on the half hour (\*\*Jones, Harris-E)

MOZAMBIQUE CR7BE (9.843) now operates 2:30-4:30pm; Sun. 11am-3pm; Eng. news at  
 3:55-4pm. CR7BD (15.247) not heard for long time (Wilson, Becker, Baxter, Newell-E)

SENEGAL Radio Dakar now operates about as follows: 3:30-3:50, 8:15-9am on 8.837  
 and 15.345 (or 13.345); 1-2:15pm on 9.405 irreg.; 3:15-4:45 (sometimes to 5:45)  
 on 8.837, 15.345 (or 13.345); 5:15-5:30pm on 7.21 irreg. The 15.345 channel is  
 by far the best received (\*Newell, Jones, Cobb, Baxter, Leboeuf, Ferguson, Mann-E)

SO. AFRICA ZRL (9.608), Capetown, is being heard 9-10:30am irreg.; Sun. to 11:45am;  
 Relays BBC Eng. news at 9am (\*Jones-E)...The 11:45pm-1:30am transmission of the  
 SABC Network is heard regularly with most important features as follows: 11:45  
 pm- Eng. Setting-up exercises over ZRK (6.097), Capetown & ZRD (5.945 replacing  
 5.96; formerly on 6.147); Afrikaans Setting up exercises over ZRH (6.007), Jo-  
 hannesburg & Z-- (5.882), Capetown; 12:00 Mid.-Eng. news over ZRK/ZRD; Afrikaan  
 news over ZRH/Z--; 12:30am- Eng. news over ZRH/Z--/ZRK/ZRD (\*\*Jones, Becker, Bax-  
 ter, Sutton, Ferguson, Newell-E, Juett, CAM-C, Balbi-W)

TUNISIA? The station on 7.28, heard 3-7pm (best 6-7pm) in French still remains  
 somewhat of a mystery altho official sources identify it as Radio Toulouse, in  
 France. IDA monitors still claim it announces frequently as "Radio Tunis," Capital  
 of Tunisia. Has men & Women announcers. Clock strikes on the hour, striking  
 12 times at 7pm EWT. No English is heard on the station. We would very much ap-  
 preciate further information on this station- Ed. (Jones, Newell, Allen, Becker-E,  
 Fern-W)

## EUROPE

CLANDESTINE Arab Nation Radio (Rome) (9.555), now heard 12-12:30, 3-3:40pm, in Arabic (Gozen, Baxter-E)... "Radio BBC" (7.50 approx.), "Axis", in English, heard 4:30-6pm (Jones-E)... Radio Metropole (Beograd), now broadcasts: 5-8, 10:15am-12 Noon on 11.925; 1-2 on 9.48; 2:05-4:30 on 6.10 (Sun. 3-4:30pm on 9.48); 4:40-4:58pm on 9.48; 5:05-7pm on 6.10. Eng. news at 6:15, 11:15am, 3:15, 6:15pm (\*\*Jones, Gozen, Becker, Ferguson, Baxter, Allen-E, Juett-C)... Voice of Free Arabs (10.05), heard 2:15-2:30, 3:15-3:30pm in Arabic (Jones-E)... Croatian Freedom Station is heard on 11.335, in Croatian, 3:30-3:42pm (Baxter, Jones-E)... German Catholic Station, is heard 1:45-2pm on 9.64; 5:15-5:30pm on 9.96 (Jones-E)... German Workers Station has 10 minute broadcasts at 12:50, 2:50, 3:50, 4:50, 5:50 on 9.492; at 7:00pm on 6.21 (Gozen-E)... Gustav Siegfried Eins used either 6.185 or 6.022, with either 9.482 or 9.645, for its 10 min. broadcasts each hour starting at 11:52am to 1152 pm (Jones, Becker, Gozen, Wilson, Legge-E)... Hungarian Nation's Station (11.635), heard Sun. 9:15-9:27am, in Hungarian (Becker, Baxter-E)... Radio Patrie (9.72), is on 3-3:20pm in French; uses one gong stroke; comes on with French march (Jones, Becker-E)... Sender Wehrmacht Nord (10.09) is off the air (Legge-E)... The Yugoslav undercover on 11.79, is heard again 4-4:25, 8-8:25pm (\*\*Jones-E)..... Radio Denmark (9.71) heard 3:15-3:30pm (Jones, Becker-E)... German freedom station, identifies as "Hier ist das Leber Deutsche Freiheitssender", heard 10:35-10:55am, on 11.94 (\*\*Baxter-E)... The "Bulgarian Freedom Station" (10.01), is heard 2:15-2:30, 3:15-3:30, 4:15-4:30, 5:15-5:30pm (Baxter, Becker, Gozen-E)... "Radio Belgique" (7.248, 6.092), 4:55 (or earlier) to 5:15pm, in French (\*Jones-E)

ENGLAND London now broadcasts to troops in N. Africa & Middle East: 11:45am-12:45pm over GSF; 12:30-2 over GSE; 1:30-5 over GSB; 2-6:45 over GRS (7.07); 4-5pm over GSE (BBC). Other BBC changes given in list.

FINLAND Lahti now broadcasts: Over OIX2 (9.495), OIX3 (11.785), OIX4 (15.19), daily 6:15-6:45am to Europe; 9:15-9:50am to NA; 1-2pm to Europe; 8:25-9:10 and 11:05-11:50pm to NA; Eng. news at 9:15am, 8:25, 11:05pm (\*\*Jones, Messer, Wilson, Ferguson, Newell, Baxter, Becker, Cobb, Gozen, Leboeuf-E, Juett, CAM-C)

FRANCE Vichy broadcasts to NA: 7:30-8:15am on 17.765; 4-4:10pm (to England), 4:10-5pm, & 11:15pm-12:30am on 9.62; Eng. news at 7:40am, 4:43, 11:15pm. See list for completely revised Vichy schedule (\*Becker, Gozen, Cobb, Wilson, Baxter, Jones, Allen-E)... Vichy relays the "La France Fidele" broadcasts, 3:30-4:15, 6-7pm on 9.62 (also heard on 9.68, 9.575, 7.31, 7.245) (Jones, Wilson-E)... DXL7 (11.885), Paris, operates 1:15-1:30, 2-2:15, 3:15-3:30, 10:30-11:15am, 12-2:45, 5:30pm-12:15am.

GERMANY DZC (10.29) broadcasts in Eng. to the AEF in N. Africa, 3-3:30pm (Wilson, Allen-E)\*... Berlin broadcasts messages from American prisoners of war in N. Africa, frequently near 10:05pm (\*\*Cobb-E, Balbi-W)... An unidentified Berlin station on 6.28 sometimes carries the N. A. Service, from 5:50pm (Cobb-E)... An unknown German station on approx. 6.202, 5-7:10, 10:15-10:30pm (Gozen-Jones-E)... DXG2 (11.782), DXU (15.32), DJR (15.34), are all heard with DXH2 (15.12), to 9am.. DXU is also heard approx. 9:45-10:20am (Baxter, Jones, Gozen-E)

HOLLAND PCV (18.075), Kootwijk, is being heard 9:45am-5:30pm with Dutch broadcasts; Axis sponsored Eng. news at 11:30am (\*\*Jones-E)

HUNGARY HAT2 (6.665) heard with unknown transmission at 5am (Jones-E)

IRELAND Radio Eirrean now broadcasts: 8-9:30am, 1:30-2 on 17.84; 5:05-5:25pm on 9.595; Eng. news at 1:45pm, 5:12pm (\*Gozen, Newell, Becker-Jones-E)

ITALY Call of the new Rome xmtr. on 6.22 is 2R025... New Rome frequencies, calls unknown, on 9.52 & 9.74, are being heard irreg. on the N.A. Transmission, starting at 8:30pm (\*Newell-E, Juett-C, Balbi, Picard-W)... There have been some changes in timing of Rome news in Eng. The 4pm period has been dropped in favor of 4:30 and 5:10pm periods over 2R04 (11.81) and 2R03 (9.63) (\*Wilson-E)

PORTUGAL The Lisbon Home Service Station seems to have moved from 5.735 mc. to 5.86 approx. It is heard to 8pm (\*\*Baxter-E)

SLOVAKIA Bratislava (9.503) appears to be off the air (Baxter-E)

SPAIN NEW: "Radio Falange" (7.006), Valladolid, heard 4:30-5:15pm (Baxter-E) ... The Spain station on 7.095 is being heard again to 6:30 or 7pm (Jones, Baxter-E)... "Radio Mediterraneo" (7.037), Valencia, now operates 4-8pm (Jones-E)... Malaga (14.457), is heard weakly 9-10:30am (\*\*Harris-E)

SWEDEN Stockholm now broadcasts to NA & Europe, 11am-Noon, over SBT (15.155), and SBP (11.705); to NA & SA, Noon-2:15pm over SBT (15.155; to NA on odd days; to SA on even days) and SBP (11.705; to SA on odd days; to NA on even days); Eng. news at 11am (\*\*Jones, Baxter, Cobb-E)

SWITZERLAND Bern's transmission to S.A. is now nightly ex. Sat, 7:45-9:15pm over HER4 (9.535) and HER5 (11.715) (Jones-E)

U.S.S.R. Moscow now broadcasts in Eng. to NA as follows:  
7:40-8:20am (15.75-15.11-10.445-9.86-9.545 or 6.03)

9:15-9:30am (15.75); 10:15-10:30am (9.545)  
5:15-5:40pm (15.23, 15.11)  
6:48-7:23pm (15.23, 15.11, 12.19, 9.86, 6.98, 5.44)  
8-8:50pm (12.19, 9.86, 5.44); 9:15-9:40 & 11:15-11:40pm (15.23, 15.11)

Soviet stations reported recently: 5.44-5.89-5.936-6.03-6.98-7.177-7.56-8.05-9.48-9.43-9.545-9.86-9.39-10.445-11.64-11.75-11.96 (Baxter,Wilson,Jones, Gozen, Madigan,Allen,Newell,Ferguson,Payette,Sutton,Cobb-E, Balbi-W)

VATICAN CITY Part of HVJ's revised sked follows: 9-11am (Mon/Wed/Sat) on 17.445; 9-11:20am (Tues) on 17.445, 11:25-12:25pm on 15.12; 10-11am (Thurs) on 15.095, 12-1pm on 15.12; 9-10am (Fri) on 17.445, 10-11am on 15.095; 12:30-2pm (Mon/Wed/Sat) on 9.66. (Jones,Ferguson,Newell,Becker,-E, E.Allen-W)

ASIA AND OCEANIA

ARABIA ZNR (12.115) heard once at 7am with BBC news in English (\*Jones-E)  
AUSTRALIA 5 Transmitters, (VLG-I-Q-R-W), are now in use. VLG-I are for international; VLQ for regional & international (Fern-W) ... VLQ4 (7.22), VLG3 (11.71), now broadcast to AEF in S.Pacific, 5:30-6am... Current broadcasts to NA: 1:10-1:40am, to W.USA, over VLG3 (11.71), VLN8 (10.525); 8:00-8:45am, to E.USA, over VLG2 (9.54); VLI (9.615); 11-11:45am, to W.USA, over VLG (9.58), or VLG2 (9.54)... NEW: VLQ4 (7.24), carries ABC home program, 3:45-8:30am, with VLW6 (9.68), VLR (9.58); VLI (9.615), carries BBC Eng. news, 9-9:15am, with VLW6 (9.68)... Other portions of the ABC home service reported recently: 3:45-5:35pm, on 9.66, 11.76, 15.16; Eng. news at 3:45 & 4:45pm; ??-3, 8:45-10:50pm, 12-12:50am, over VLR4 (15.23); Eng. news at 9:30, 10:45pm (\*\*Balbi, Krumlinde, Fern, Picard-W, Van Auken-C, Allen, Ferguson, Swanson, Pagenhardt, Sutton, Wilson, Becker, Gozen, Newell, Jones, Baxter)

CHINA XGAP, Peiping, operates on 10.25 & 6.105. XGAP (6.105), is on 5-8:55am. XGOI (6.11), is on 6-10:15am. XGOI-XGAP sometimes work in parallel (\*Balbi, Krumlinde-W, Van Auken-C, Becker, Baxter, Juett-E)... Chungking now broadcasts to E. Asia & S. Seas, 2:30-4, to Europe, 4-5pm on 11.90; Eng. news at 4:30pm (\*Ong-W)... CBS pickup at 8am, from Chungking, is made over XGOY (9.63) (Jones-E)... XGOX (15.200) Chungking, broadcasts Chinese codes Tues. (Wed irreg.), 8-8:45pm (\*Ong-W)... Several verifications (some for reports of many months ago) have been received recently from XGRS. The letters, signed by A.G. Goldenau, request further reports. Do not attempt to send reports. This is a Nazi operated station- Ed.... Exact location of station on 4.94, 9-9:50am is still a mystery? (Krumlinde, Fern-, Van-Auken)... XPR4, Kunming, operates on 690 KCs only- not on 9.83 (Ong, Fung Chien)... XPSA (8.465), operates 7:30am-12 noon, 5:30-6:45pm (Ong-W\*)

F.INDO CHINA Saigon (6.188) not heard for some time (Krumlinde, Balbi-W)

INDIA India stations have been heard as follows recently:  
VUC2 (3.305), Calcutta, -8am-12 Noon VUD3 (6.01), to 11:15pm sign-off.  
VUDE (3.495), Delhi, 9am-11:45am approx. VUB2 (6.085), 8-8:45am... News at 8am.  
VUB2 (3.365), Bombay, 9-11:30am. VUM2 (7.26), 9-11pm... News at 9:45pm.  
VUDE (4.96), Delhi, 9:30-10:30pm approx. VUD6 (9.67), 8-9:20am... News at 8:30am. (\*Krumlinde, -W, Gozen, Ferguson, Wilson, Baxter, Jones, Sutton)

JAPAN Tokyo to Europe, 4:15-6:15am, is now broadcast over JZL (11.785), JLG4 (15.105). Tokyo to S.E. Asia, 9:30am-12:15pm, is now broadcast over JZK (15.16), JWV2 (9.675), JRAK (9.565) (Balbi, Picard-W, Jones, Legge-E)... The call for the Par-rao station on 9.565 is JRAK (Jones, Mann, Dilg-)

MALAYA Unidentified station on 7.16, with all Malayan & Japanese programs, 5-9:05, 9:30-10am is believed to be in Malaya, possibly Penang on new freq. (\*\*Balbi, Fern-W, Van Auken-C, Jones)... Shonan is now operating on 7.220, 5 or 6 to 10am; Eng. news at 9am (\*\*Balbi, Fern-W, Van Auken-C)

MANCHUKUO Hsinking (15.33), is broadcasting to Germany, near 4-5am (\*Balbi-W)  
P.I. KZRH (11.61-9.64-6.145), has Eng. news at 8:30am, 7, 11:30pm (Newell, -E, Fern, Krumlinde-W)

THAILAND HSP5 (11.715), Bangkok, broadcasts 7am-10:25am approx.; Eng. news at 8, 9:15, 9:35am (Becker, Jones-E)... Bangkok (6.06), broadcasts home service program 7-10:20 or 10:30am. No English features (Krumlinde, Balbi-W)

TURKEY TAQ (15.195) is said to be operating now 9:30-10:45am. It is on during the last part of OIX4's (15.19) N.A. broadcast and is exactly half way between DJB and OIX4. TAQ is heard best on Sundays so the above period may be on the air Sundays only. Starting March 1, TAP (9.465) shifted its English period to 12:15pm (Jones, Newell, Ferguson, Baxter-E, Van Auken-C)

86 METER BAND		
3.305 VUC2, Calcutta, India	3.39 YV4RK, Maracay,	3.46 YV4RP, Valencia
3.31 YV1RO, Trujillo, Venez	3.40 YV5RW, Caracas,	3.48 YV4RQ, Puerto Cabello,
3.31 YV1RO, Trujillo, Venez	3.41 YV3RX, Barquisimeto,	3.49 CR7AB, Lourenco Marques
3.35 YV5RS, Caracas	3.42 YV2RC, Merida	3.495 VUD2, Delhi, India,
3.365 VUB2, Bombay, India.	3.44 YV1RU, Maracaibo,	3.50 YV5RX, Caracas,
3.38 YV5RY, Caracas	3.45 YV6RC, Barcelona	3.77 Magadan, U.S.S.R.

# 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

13.86S	21.64	GRZ	London, England	7-9:15am to Africa
13.97	21.47	GSH	London, England	6:30-11:15am to Africa
14.97	20.04	OPL	Leopoldville, Belgian Congo	6:55-8:15a.m.
15.31S	19.59	2R017	Rome, Italy	7-7:25, 9-9:45, 9:55-10am.
15.37	19.52	IRW	Rome, Italy	8:30-8:45am (Russian)
16.23	18.48	HBH	Bern, Switzerland	Tu/Sat 9:45-11:15am to Orient /9,10:15am
16.54	18.13S	YDA	Batavia, Java	6-10:45am, 5:30-7, 10-11:30pm...News- 7, 8
16.59	18.08	GVO	London, England	12 Noon-12:15pm
16.61S	18.06S	PCV	Kootwijk, Netherlands	9:45am-5:30pm...News- 11:30am *
16.64	18.02S	GRQ	London, England	6:45-10:30am, 12 Noon-12:15pm to S.A.

## 16 METER BAND

16.81	17.85	DXL19	Paris, France	7:00-9:45am to N.A...News- 7:30, 9:30am.
16.81	17.84S	DJH	Berlin, Germany	3:45-11am...News- 5:30, 8am
16.82S	17.84		Athlone, Ireland	8-9:30am, 1:30-2pm...News- 1:45pm
16.83	17.83	WCRC	New York, N.Y.	6am-5:15, 5:20-7:15pm
16.84	17.82	2R08	Rome, Italy	8-8:15, 8:45-9:15am /News 7, 9, 11am, 12 Noon
16.84S	17.81	GSV	London, England	1:45-2:45, 6:45-11:15, 11:30am-1:15pm.....
16.85	17.80	WLWO	Cincinnati, Ohio	10am-1pm
16.86S	17.79	GSG	London, England	6:45-8, 11:30am-12:45pm
16.87	17.78	WRCA	New York, N.Y.	9am-12:45pm
16.88	17.77S		Leopoldville, Belgian Congo	6:55-8:15am, 2:30-4:30pm /7:40am
16.89S	17.76S		Vichy, France	7:30-8:15am to NA; 9:45-10:30am...News-
16.89S	17.76	DJE	Berlin, Germany	3:15-7, 7-10:30am...
16.90S	17.75	WRUW	Boston, Mass.	11am-1pm. *
16.93S	17.72	LRA5	Buenos Aires, Argentina, Fridays,	4:45-5:30pm to NA *
16.94	17.71S		Brazzaville, Middle Congo 2, 3, 4, 6:30, 8:30, 9:30am, 2-3:20,	4:30-6pm (Also reported on approx. 17.3*)
16.94S	17.71S	GRA	London, England	4am-12:45pm...News-5am. /9-10am
17.20S	17.44S	HVJ	Vatican City.	Mon/Wed/Sat 9-11am, Tu.9-11:20am, Fri.

## 19 METER BAND

18.73N	16.02S	AFHQ	Algiers, Algeria	Sends press near 9am. *
18.93	15.85	WCW	New York, N.Y.	8am-7pm /NA
19.05	15.75		Komsomolsk, U.S.S.R. 7:40-9:30am (7:40-8:19, 9:15-9:30am to	
19.38S	15.48	2R024	Rome, Italy	7-8:50, 9:15-9:45am. /2:15, 7:00am.
19.42S	15.45	GRD	London, England	1:45-3, 6:45-8:30am to Far East...News-
19.45N	15.428		Accra, Gold Coast	Testing 6-8:30am, 1-2pm.
19.46N	15.42		Radio Himalaya (Rome)	Heard 10-11am. /pm; Sun.9:10a
19.47	15.41	PZX5	Paramaribo, Dutch Guiana	7:27-9:26pm ex. Sa/Su; Sa.5:40-8:40
19.50S	15.38S	GRE	London, England	3-5:45, 8:15am-3pm to NA...News 4, 9, 11am,
19.53S	15.35S	KWU	San Francisco, Calif.	4:30-6:15 (Su.5-6), 7:45-9:30pm. /2pm *
19.54S	15.35	WRUW	Boston, Mass.	6-7, 11am-1, 1:30-2:30pm. *
19.56S	15.34	FGA	Dakar, Senegal	3:30-3:50, 8:15-9am, 3:15-5 or 6pm.
19.56	15.34	DJR	Berlin, Germany	1am-12 Noon to S.&E. Asia...News 1:30, 3, 8a
19.57	15.33	WGEA	Schenectady, N.Y.	5:30-7:45pm.
19.57N	15.33	MTCY	Hsinking, Manchukuo	Testing 4-5am to Germany *
19.57	15.33	WGEO	Schenectady, N.Y.	8:15am-3:30pm.
19.58S	15.32	DXU	Berlin, Germany	9:45 or earlier to 10:30am or later *
19.59	15.31S	VLQ3	Sydney, Australia	6:15-6:30am to China, 6:30-6:50am to East Asia, in Eng., 6:50-7:45am to NEI.
19.60S	15.31	GSP	London, England	1:45-5:45, 6-8:45, 9-9:30, 9:45-10:45am, Noon-12:30, 12:45-1pm...News- 2:15, 4am:
19.60N	15.30S	HER6	Bern, Switzerland	Tues/Sat. 5-7am to Australia.
19.61S	15.30	2R06	Rome, Italy	12:30-1:30am to W.NA; 3-3:30, 7:30-7:50am, to NA; 8-8:20, 9-9:15, 10-10:30am, 12:40-1:40 to E.NA, 1:50-3:35, 4:30-4:40, 5-7pm. News- 1, 7:40, 10, 1, 4:30, 6pm.
19.62	15.29	KWID	San Francisco, Calif.	5-9:15pm.
19.62	15.29	LRU	Buenos Aires, Argentina	7:15-8:15am. /11:30pm, 3:00, 8:00am
19.62S	15.29	VUD3	Delhi, India	11:30pm-4, 5:30-5:45, 6:45-8:15am...News-
19.63S	15.28	DJQ	Berlin, Germany	2:30am-12 Noon, 4-6:45pm...News- 1:30, 3,
19.64S	15.27	WCBX	New York, N.Y.	6am-4:45, 5-7:45pm. /5:30, 8, 10:00am.
19.66S	15.26	GSJ	London, England	6:45-11:15, 11:30am-4:45pm...News- 7, 9, 11
19.67S	15.25	WLWO	Cincinnati, Ohio	5:30-7pm. /am, 3:45pm.
19.69S	15.24		Vichy, France	8:30-9:30, 10:45-11:30, 11:45am-1:45pm.
19.69F	15.23S	CR7BD	Lourenco Marques, Mozambique,	1-4:30pm (Sun. 11am-3pm)
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 N.A.	



19.70	15.23	DXT	Berlin, Germany	7-8:30am to NA, 8:30-8:45to Eng, 8:45-9:15
19.70	V15.23	VLG6	Melbourne, Australia	10-10:45am to E. Asia, in Eng. /am
19.70N	15.23	WLR4	Melbourne, Australia	??- 3am, 8:45-10:50pm, 12-12:50am...News-
19.72	15.21	WBOS	Boston, Mass.	8:15am-12:45pm. /9:30, 10:45pm.
26 19.72	15.20	DJB	Berlin, Germany	7-9:45am to NA, 10:30-10:45am, 5:50-8:30pm to NA...News 7:30, 9:30am, 7, 8pm.
19.74S	15.195	TAQ	Ankara, Turkey	5:30-7am, 9:30-10:45am approx. *
19.75S	15.19	OIX4	Lahti, Finland	6:15-6:45, 9:15-9:50am to NA, 1-2, 8:25- 9:10, 11:05-11:50pm to NA...News- 9:15am, 8-8:45pm Tues. * /8:25, 11:05pm.
19.76S	15.18	XGOX	Chungking, China	8-8:45pm Tues. * /9am
28 19.76S	15.18	GSO	London, England	6:45-7, 8:15-9:15, 11:30-11:45am, 1:30-2pm.
19.78	V15.17	TGWA	Guatemala, Guatemala	1:45-2:55pm to NA; Sun. 1:45-6:15pm
19.78	15.165	PRE9	Fortaleza, Ceara, Brazil	5-9:05pm. * /9am
19.79S	15.16	JZK	Tokyo, Japan	4:30-6:45, 7-9:15, 9:30am-12:15pm...News-5,
19.79	15.16	VLG7	Melbourne, Australia	3:30-5:35pm...News 3:45, 4:45pm.
30 19.80S	15.155	SBT	Stockholm, Sweden	11am-Noon to NA; 12-2:15pm (to NA on odd days)...News- 11:01am. *
19.81	15.15	WNBI	New York, N.Y.	9-11:30, 11:35am-5pm. /News- 2:15, 4, 7, 9am.
31 19.82	15.14	GSF	London, England	1:45-5:45, 6:45-11:15, 11:45am-1:45pm.....
19.83	15.13	DXL6	Paris, France	4:15-5:30, 7-9:45am to NA, 10:30-11:15am..
19.83	15.13		Paris Mondial, France	11:45am-3pm. /7:30, 9:30am.
19.84S	15.12	HVJ	Vatican City,	Sun. 8-8:20pm; Su/Th 8:30-8:50, 9-9:20pm; Tu. 11:25am-12:25pm; Th. 12 Noon-1pm. *
19.84S	15.12	DXH2	Berlin, Germany	7am-12:20pm. German Home Service
315 19.85	15.11		Komsomolsk, U.S.S.R.	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.
33 19.85S	15.11	DJL	Berlin, Germany	7:45-8, 8:30-8:50, 8:50-9:45, 11:20am-5:30pm ...News- 8:30, 9:30, 11:30am, 2:15, 4:15pm.
33 19.86S	15.105	JLG4	Tokyo, Japan	4:15-6:15, 6:30-7:45am, 7-10:45pm to E.NA, 11pm-1am...News- 7:30am, 7, 9:20pm.
19.87N	15.095	HVJ	Vatican City,	Thurs/Fri. 10-11am. *
19.92	15.06	2RO21	Rome, Italy	3-3:20, 3:40-4:30, 8-9:30am...News- 4:15am.
20.07	14.935	PSE	Rio de Janeiro, Brazil,	Thurs. 4-4:30pm, 8-8:30pm.
20.37	14.73	IQA	Rome, Italy	11-11:15am (Russian)
20.73	14.47	WDO	New York, N.Y.	8am-7pm.
20.75S	14.46	DZH	Berlin, Germany	3:15-3:30, 5:15-6, 7-10:45am.
20.75	14.457		Malaga, Spain	9-10am approx. *
20.83N	14.405		Tunis, Tunisia	7-9, 1-4pm.
22.48	13.345		Dakar, Senegal	Heard afternoons irreg. *
26 23.16	12.965	WKRB	New York, N.Y.	8:30am-2:45pm.
23.38	12.83	CNR	Rabat, Morocco	7:30-9am.
23.61N	12.705	FIA	D ouala, Camerouns	6:45-7:30am, 3:15-3:45pm. * /8am-10:45pm. *
24.11	V12.455	H0JB	Quito, Ecuador	7:45-9:45am, 12:30-3:30, 6-10:45pm; Sun.
24.45	12.27		Brazzaville, Middle Congo	2:30-4pm approx.
24.47	12.26		Moscow, U.S.S.R.	11pm inter. to 12 Noon (Home Service)
24.54	12.235	TFJ	Reykjavik, Iceland	Tues. 4:45-5, 7:15-7:30pm irreg.
24.61	12.19		Moscow, U.S.S.R.	5:45-6:45, 6:48-7:23, 8-8:50pm to NA (Eng)
24.65S	12.17		Moscow, U.S.S.R.	12:40-1:45, 2:45-3, 5:30-6, 6:40-6:50, 9-9:15 10:30-10:45, 11:15-11:45am, 4-6pm.
24.73	12.13	DZE	Berlin, Germany	8:30-10:15am. /5:45-6:15
24.75S	12.12		Radio France, Algiers, Algeria	2-4, 7-9am, 1:30-2:30, 3-5:30,
24.77	12.115	ZNR	Aden, Arabia	12:13-1:30pm
24.80S	12.095	GRF	London, England	6am-12:45pm (European Service)
24.88	12.06	FFZ	Shanghai, China	12-2, 5-8:20am...News- 8am.
24.92S	12.04	GRV	London, England	1:45-4:45, 6:45-7, 8:15-9:30, 9:45am-12:30, 12:45-2:45pm...News- 2:15, 4:00am. /10:30p
24.98S	12.01	XIRS	Shanghai, China	4-10, 7:30-8:15, 10:30-11pm...News 7:30.

25 METER BAND

25.04	11.975	CEL180	Santiago, Chile	7:30-10am, 1:30-12 mid.
38 25.05	11.97	FZI	Brazzaville, Middle Congo	2-2:20, 9:30-9:45, 3-5:30, 11pm-Mid. to NA...News- 3:45, 11:45pm.
25.08	11.96		Tiflis, U.S.S.R.?	10:10-10:30am. /10pm...News 10a*
25.10S	11.95	2RO22	Rome, Italy	1:30-2, 2:40-3:40, 8-11am, 12:10-1:50, 7:15-
25.10N	11.95	ZPA5	Encarnacion, Paraguay	6:30-8 (occasionally to 11pm) *
25.13N	11.94		Deutsche Freiheitssender,	10:35-10:55am. * /11:15am*
25.16S	11.925		Radio Metropole (Beograd),	5-8, 10:15am-12 Noon...News- 6:15
25.21S	11.90	XGOY	Chungking, China	6-6:55, 7-7:30am, 2:30-5pm...News 6am, 4:30p
25.21S	11.90	DXF2	Berlin, Germany	7am-12:20pm (Home Service)
44 25.21	11.90	CXAL0	Montevideo, Uruguay	7:25-10:10pm
25.22	11.893	WRCA	New York City, N.Y.	1-4:45, 5-11:30pm, 11:35pm-8:45am.
25.23	11.885		Paris Mondial, France	3:15-5:15pm.
46 25.24	11.885	DXL7	Paris, France	1:15-1:30, 2-2:15, 3:15-3:30am, 10:30-11:15 am, 12-2:45, 5:30pm-12:15am.
25.25	11.88	VLR3	Melbourne, Australia,	9pm-3:30am...

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. /pm
25.27S	11.87	WBOS	Boston, Mass.	6:15-8am, 1-5:15, 5:30pm-12 mid.
25.28S	11.86S	HER5	Bern, Switzerland	8:55-9:30am, 4:50-5:35pm, 9:45-11pm to NA.
25.29	11.86	XMHA	Shanghai, China	4-11am, 9pm-2am... News 6:30, 9, 10am, 9:30pm
25.29S	11.86	GSE	London, England	11-11:30am, 12:30-2 to Troops in N. Africa, 2-4, 4-5pm Troops in N. Africa.
78 25.31S	11.855	DJP	Berlin, Germany	4:45am-12 Noon, 5:50pm-12:15am.
79 25.33	11.847	WGEA	Schenectady, N.Y.	8am-5:15pm.
25.33S	11.845		Vichy, France	3:45-4:30am, 2-2:45pm.
25.35	11.84	DHE4A	Prague, Bohemia	6-7:30, 7:55-10:15pm to NA.
25.35N	11.84	CXA14	Colonia, Uruguay	5pm-12 mid.
25.35S	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.	6:30-7:30, 8:30-9, 10:30-10:50am.
25.36	11.83	WCRC	New York, N.Y.	7:30pm-12:00 mid.
25.36	11.83	WCDA	New York, N.Y.	6am-6:45pm.
25.37S	11.82S	JVZ2	Tokyo, Japan	5:30pm-4:30am.
25.38S	11.82	GSN	London, England	7:15am-12:45, 2:45-4:45pm... News 10:30am, 9am-1am.
25.38	11.82	XEBR	Hermosillo, Mexico	12:30-1:30am to W.NA; 3-3:20, 3:40-4:30, 7-9:45, 10am-12:45, 1:50-3:35, 4:30-4:50, 5-5:30, 6-6:45, 7:30-7:45, 8:30pm-11:50pm to NA... News 1, 4:15, 10:20am, 12:20, 4:30, 6, 12:30-3 (Su. 1:30-3pm) /8:30, 10:30pm.
25.40S	11.81	ZRO4	Rome, Italy	1:30-4am to W.NA, 4:30-6:45, 7-9:15, 9:30am-12:15, 12:30-2:45, 7-10:45pm to E.NA... News- 2, 3:30, 5, 9am, 12 Noon, 1:50, 7, 9:20pm.
25.41	11.805	COGF	Matanzas, Cuba	1:30-7:30, 7:30pm-2am
25.42	11.80	JZJ	Tokyo, Japan	4-4:25, 8-8:25pm *
25.45S	11.79	WRUL	Boston, Mass.	6:15-6:45, 9:15-9:50am to NA, 1-2, 8:25-9:10, 11:05-11:50pm to NA... News- 9:15am, 4:15-6:15am... News- 6am. /8:25, 11:05pm. *
25.45N	11.79		Jugoslav undercover	7-9:15am (Reichs Program)
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, 11:45p
25.46N	11.785	JZL	Tokyo, Japan	4-11:30am, 6:45-7:20, 11:45pm-12:15am... News
25.47N	11.782	DXG2	Berlin, Germany	1:30-3am to NA. /6:30, 10:00, 10:45am.
25.47	11.78	HP5G	Panama City, Panama	12:30-1, 5:50pm-12 mid. to NA... News 1230 7, 8, 9, 10, 11pm.
25.47S	11.78		Saigon, Indo China	5-10pm. /11:30am, 2:15, 4:15*
25.48	11.775	MTCY	Hsinking, Manchukuo	1:15-3, 11:20am-5:30pm... News- 1:30, 3,
25.49	11.77	ADJD	Berlin, Germany	3:30-7:15pm, 9-9:15am... News- 9am.
25.50S	11.765	ZYB8	Sao Paulo, Brazil	1:45-2:45, 6:45-11:15am, 11:30am-4:45pm... News- 2:15, 7, 9, 11am, 2, 3:45pm.
25.51S	11.76	ADXR	Berlin, Germany	7:30-7:55pm (Japanese) */11-11:30am*
25.51	11.76	VLR8	Melbourne, Australia	Tu/Th 3-3:30am; M/W/Sa 4-4:30am (Eng), Tu.
25.53S	11.75	GSD	London, England	5:30pm-12 Mid, 5-9:30am. /6pm
25.53N	11.75		Moscow, U.S.S.R.	7am-12:20, 12:30-3:15, 3:30-4, 4:15-4:30, 5:15 9am-2:15am.
25.55S	11.74	HVJ	Vatican City,	4:58-10:45pm.
25.55S	11.74		Parao, Palau Group	5:30pm-4:30am.
25.55S	11.74	DXC2	Berlin, Germany	7am-12:20, 12:30-3:15, 3:30-4, 4:15-4:30, 5:15 9am-2:15am.
25.56S	11.737	COCY	Havana, Cuba	4:58-10:45pm.
25.58	11.73	KGEI	San Francisco, Calif.	5:30pm-4:30am.
25.59S	11.72S	JVW3	Tokyo, Japan	Asuncion, Paraguay Relays ZP10 6:30-10:10 (to 12:30am irreg)
25.60S	11.721	ZPA2	Leopoldville, Bel. Congo	6:55-8:15am, 2-4:30pm. *
25.60S	11.72	PRL8	Rio de Janeiro, Brazil	3-4, 4-5:40, 5:40-10, 10-11:10pm to NA..
25.60	11.72		Lisbon, Portugal	8-10am to Orient. /ex. Sun... News- 10pm
25.60	11.715	HSP5	Bangkok, Thailand	7-10:25am... News 8, 9:30am.
25.60S	11.715		Geneva, Switzerland	7:45-9:15pm ex. Sat. *
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- 1:15-5:15pm /1:15, 3am.
25.62	11.71	WLWO	Cincinnati, Ohio	7-8am, 6-11 (Sat. to 11:30pm)
25.63	11.705	CXA19	Montevideo, Uruguay	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.
25.63S	11.705	SBP	Motala, Sweden	7:30am-11:30pm (Su. 8am-11:30pm)
25.63JV	11.705	CBFY	Montreal, Canada	9am-1, 9:10pm-1am.
25.64	11.70	HP5A	Panama City, Panama	8-10pm. Has anyone heard recently?
25.64	11.70	CEL170	Santiago, Chile	2:30-8, 9:30-11am, 6pm-1am... News- 2:30, 6, 6:45, 10:15am, 6:45, 8:45, 11:45pm, 12:45am.
25.67S	11.68S	XGRS	Shanghai, China	1:45-5:45am, 12-12:30, 2:30-4:45pm to NA, 5-9:30am /5:15pm-12:45am... News 2:15, 4am, *
25.68S	11.68	GRG	London, England	12 Noon-12 Mid.; Sun. 1-7pm
25.75	11.65	XGOK	Canton, China.	6pm-4, 4:30-9am... News 8:30am, 7, 11:30pm.
25.80N	11.63S		Hungarian Nations Radio,	Sun. 9:15-9:27am. */3:45pm.
25.83	11.623	COK	Havana, Cuba	12 Noon-12 Mid.; Sun. 1-7pm
25.84S	11.61	KZRH	Manila, Philippines	6pm-4, 4:30-9am... News 8:30am, 7, 11:30pm.

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.
26.47	11.335	Croatian Freedom Station	3:30-3:43pm.
27.17	11.04	CSW6 Lisbon, Portugal	2-6:30, 6:45-8:45pm.
27.68	10.84	KWV San Francisco, Calif.	Relays KWID-GEI, 2-4:30am.
27.96S	10.73	VQ7LO Nairobi, Kenya	Approx. 8:45-10:10:45am-1, 1:30-3pm. *
28.12	10.67	CEC Santiago, Chile	8-8:15pm (Spanish)
10 28.25	10.62	KES3 Bolinas, Calif.	12:58-6am (relays KWID-KGEM)
28.45	10.543	DZD Berlin, Germany	1:30-1:45, 5:50pm-12 mid. to NA...News-
28.51N	10.525	VLI10 Melbourne, Australia	1:10-1:40am to NA/7, 8, 9, 10, 11pm, 1:30am.
28.73S	10.445	Moscow, U.S.S.R.	2:45-3, 4-11:45am (7:40-8:20am to NA), 8:30
28.99	10.55	Station Debunk	8:30-9pm. /-11:30
56 29.04S	10.33	2R019 Rome, Italy	1:30-2, 9-9:15, 10-10:15, 1-1:40, 1:50-7, 7:15
31 29.15S	10.29	DZC Berlin, Germany	1-2:45, 3-3:30pm (Eng) to A.E.F. /-10pm. in N. Africa, 3:30-4:45, 5-10:50pm...News-3p *
29.27S	10.25	XGAP Peiping, China	9am-12:15pm.
66 29.35SV	10.22	PSH Rio de Janeiro, Brazil	8:30-8:48pm ex. Sun...News- 8:30pm.
29.62	10.13	HH3W Port-au-Prince, Haiti	12:30-4:45, 7-11:30pm; Su. 1-5, 7-11:30pm
29.81	10.065	MTCY Hsinking, Manchukuo	1:30-3am to NA...News 1:30, 2:30am.
29.84	10.055	SUV Cairo, Egypt	2:30-3; 6:45-7:30pm irreg. with pickups.
29.97S	10.01	Bulgarian Freedom Station	2:15-2:30, 3:15-3:30, 4:15-4:30,
29.99N	10.005	Voice of Free Arabs,	2:15-2:50, 3:15-3:30pm. */5:15-5:30pm *
30.12N	9.96	German Catholic Station	5:15-5:30pm.
71.5 30.12	9.958	HCJB Quito, Ecuador	7:45-9:45am, 12:30-3:30, 6-10:45pm; Sun. 8am-
30.17S	9.945	Brazzaville, Middle Congo	Inter. 3-5:30pm. */5:30pm.
30.29	9.905	WRX New York, N.Y.	6pm-12 mid.
30.31	9.897	WKRD New York, N.Y.	1-10am, 3-5pm. *
30.33	9.89	LSW2 Buenos Aires, Argentina	10-10:15pm irreg.
31 30.43S	9.86	EAQ Madrid, Spain	2-3, 7:50-9pm to NA...News 2:15-8pm.
30.43S	9.86	Moscow, U.S.S.R.	Mid.-1:45am, 6:48-7:23pm to NA, 8-8:50pm.
30.48SV	9.843	CR7BE Lourenco Marques, Mozambique	1-2, 5:30-8, 2:30-4:30pm (Su. 11 am-3pm)...News 1:55, 6:55am, 3:55pm. *
30.51J	9.833	COCM Havana, Cuba	7:45am-1am; Sun. 7:45am-12 mid.
30.54S	9.825	GRH London, England	1:45-5:45, 10:45-11:15am, 5:15pm-12:45am to C.A...News 2:15, 4, 11am, 5:45, 6:45, 9, 10:45p 1:30-2, 3-3:20, 7-8:50, 9:55am-12:45, 1-1:40, 2-5, 5:30-7, 7:15-10pm...News 7:30, 10:20am, 8-8:30pm & irreg. /12:20, 6pm.
30.64S	9.79	2R018 Rome, Italy	Moscow, U.S.S.R.
30.71S	9.77	Moscow, U.S.S.R.	
30.75	9.755	ZRO Durban, So. Africa	4:30-8, 10am-5pm; Su. 4:50am-5pm.
30.77S	9.75	WDL New York, N.Y.	12-4, 5-7am, 4:15-7pm approx. /recently
30.80	9.74	TI4NRH Heredia, C.R.	8-9am; Tu/Th/Sat 11:50pm-12:30am. Heard
30.82	9.735	CSW7 Lisbon, Portugal	9-10pm to N.A.
30.82S	9.73	CE970 Valparaiso, Chile	7:30-9am, 5:30pm-12:30am. *
30.86S	9.72	XGOA Chungking, China	1-2, 7am-1pm...News 10, 11am.
30.86N	9.72	"Radio Patrie"	3-3:20pm (French) *
30.88V	9.715	OAX4K Lima, Peru	6:30pm-12:20am approx. *
30.92N	9.705	Danish clandestine	3:15-3:30, 5-5:30pm irreg. *
30.92S	9.70	WRUW Boston, Mass.	4:30-6am, 2:30pm-2am.
30.93S	9.70	FIQA Tananarive, Madagascar	5-6, 10:30am-12 Noon. *
30.96	9.69	JIE3 Taihoku, Taiwan	8:30-10am...News- 8:30am. /5, 10:30am
30.96S	9.69	GRX London, England	1:30am-3:30, 3:45-4:15, 5-6, 7-10:43pm...News
30.96S	9.685	TGWA Guatemala, Guatemala	9:50pm-12:45am ex. Sun; Sun. 8pm-12:45am.
30.96	9.688	LRA1 Buenos Aires, Argentina	11:30am-2, 3:30-4:30, 5-10pm.
30.99J	9.68	XEQQ Mexico City, Mexico	10am-2:45am.
30.99SV	9.68	VLW6 Perth, W. Australia	7-10:45am...News- 7, 9am.

## 31 METER BAND

31.01	9.675	DJX Berlin, Germany	11:20am-5:30pm...News 11:30am, 2:15, 4:15pm
31.02	9.67	WNBI New York, N.Y.	5:15pm-4:45am.
31.02S	9.67	VUD6 Delhi, India	8-9:20am...News- 8:30am.
31.06S	9.66	LRX Buenos Aires, Argentina	6:30-7, 8:30am-11:10pm (to 1am Sun.)
31.06S	9.66	HVJ Vatican City,	Mon/Wed/Sat. 11am-Noon, 12:30-2pm (Eng); Su
31.06	9.658	HHBM Port-au-Prince, Haiti	8:30-9am, 1-2, 7-10:30pm ex. Su/5:30-6am.
31.09S	9.65	DJW Berlin, Germany	1-8:45, 10-11:30am, 11:30am-Noon, 2-5:15, 5:50pm-12:15am...News 1:30, 3:00, 8:00am.
31.09	9.65	WGEO Schenectady, N.Y.	5-8am to Australia
31.09	9.65	WCBX New York, N.Y.	11:45pm-2am.
31.11S	9.645	LLH Oslo, Norway	10-10:50pm to N.A.
31.11	9.645	German Catholic Station	1:45-2pm.
31.11	9.645	JLTH Tokyo, Japan	12:30-2:45pm...News- 12 Noon
31.12S	9.64	KZRH Manila, Philippines	6pm-9am...News 4:30, 8:30am, 7, 11:30pm.
31.12S	9.64	LRI Buenos Aires, Argentina	5:57-8am, 1:30-2:30, 3-11pm.
31.12	9.64, 9.545, 9.482, 6.185 or 6.022		11:52am-12 Noon & Hourly to 11:52pm- Gustav Siegfried Eins/12:00 mid.
31.15	9.63	2R03 Rome, Italy	12:30-1:30am to W.N.A, 3-3:30am, 1:10-3, 3:35-4, 4:30-4:50, 5-5:20, 5:40-6, 7-7:15, 7:30-

(2R03) 8:15,8:30-11:50pm to E.NA...News 1,8:30,  
Addis Ababa,Ethiopia 10:15-11:30am,1:15-2:15pm. /10:30pm

31.17	9.625		Montevideo,Uruguay 11am-7pm.
31.17S	9.625	CXA6	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
31.19S	9.62		12:45-1:30,1:45-2:30,2:45-3:30am...News-4:03,4:42,11:15pm. /pm-12:25am.
31.21	9.615		Voice of Free India 9:30-11:45pm; Nat.Congress Radio 11:45
31.21S	9.615	VLT	Melbourne,Australia 8-8:45am to E.NA,9-9:15am...News 8,9am.
31.21S	9.615	XERQ	Mexico City,Mexico 9:30-11am,7pm-1am...News- 9pm.
31.22S	9.61	DXB	Berlin,Germany 12:30-1,1:15-1:30am,1:30-5:15pm.
31.22S	9.608	ZRL	Capetown,So.Africa 3:15-10:30am; Su.1:10-1:45,3:30-11:45am.
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.
31.25S	9.60	GRY	London,England 12:15-12:45,1:45-2:30,3:30-4:45,6am-12:45
31.27S	9.595		1:30-4:45 (4-4:45pm to NA),5-6:45pm.....
31.27	9.595		5:05-5:25pm...News 5:10pm./News- 5:45pm.
31.30S	9.59	VUD4	Athlone,Ireland 5-9am.
			Tokyo,Japan 1-1:30,2:15-2:30,3-4,5:30-5:45,6:30-7,7:30-9:45,10:15-11am,12:30-2,9-11:35pm... News- 3,8,10:50am,9:45,11:30pm.
31.30	9.59		Azad Moslem Radio 9:30-9:45; Voice of Free India 10am-12:05pm; National Congress Radio 12:15-12:55pm
31.30	9.59	DXU9	Huizen,Holland 4pm-12:15am.
31.30S	9.59	WLWO	Cincinnati,Ohio 7:15pm-12 mid.
31.32	9.58	VLR	Melbourne,Australia 3:45-8:30 (to 8am Sun)...News 7,8:15am.
31.32	9.58	VLG	Melbourne,Australia 11-11:45am to W.NA...News 11am.
31.32	9.58	GSC	London,England 12:45-5,5:15-12:45am to N.A...News-5:45,6:45,9:00,10:45pm,12:30am
31.33S	9.575		Vichy,France 2:45-3:15,6-7,8-9am,12:15-12:45,2:15-2:45
31.35	9.57	KWID	San Francisco,Calif. 9:30pm-12:45,1-6:15am/3:30-4:15,6-7pm.
31.35	9.57	DXZ	Berlin,Germany 10:45am-1:30,2:30-4pm
31.37S	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. /12 Noon,7pm.
31.37S	9.565	JRAK	Parao,Palau Group 9:30am-12:15pm, 7-8:30pm to E.NA...News-9-10am; Sun.11:30am-12:45pm.
31.37S	9.562	OAX4T	Lima,Peru 5:50-8,9:30pm-12:15am.
31.38	9.56	DJA	Berlin,Germany 5:50-8,9:30pm-12:15am.
31.39	9.557	XETT	Mexico D.F.,Mexico 24 Hours daily
31.40S	9.555		Arab Nation Radio 12-12:30,3-3:40pm (Arabic)
31.40S	9.555		Rome,Italy 4:30-5:30pm
31.42F	9.548	XEFT	Vera Cruz,Mexico 9am-2:15am.
31.43	9.545	MTCY	Hsinking,Manchukuo 9-11am,5-8pm...News- 9,10:30am,5pm.
31.43S	9.545		Komsomolsk,U.S.S.R. 7:40-8:20,10:15-10:30am (Eng.) to NA.
31.45	9.54	VLG2	Melbourne,Australia 3-8:45am to E.NA,9-10, (11-11:45am to W.NA irreg)...News- 8.01; 11.01am irreg.
31.45N	9.54	LKJ	Oslo,Norway 2:30-3:15,5-8:30,1-2:15,4:30-5:45pm.
31.47	9.535	SBU	Stockholm,Sweden 5:20-5:55, 9-10pm to NA...News 5:20,9pm.
31.47	9.535	HER4	Bern,Switzerland 7:45-9:15pm to Latin America ex.Sat.
31.47s	9.535	JZI	Tokyo,Japan 1:30-4am to W.NA,6:30am-7:45am,8-9:15am-am to W.NA,9:30am-12:20,12:30-2:30pm to W.NA...News 2,3:30,3,7:30,8,11am,12:30,2,3,6
31.48	9.53	WGEO	Schenectady,N.Y. 3:45-5:15,5:30pm-12 mid.
31.50	9.525	ZRG	Johannesburg,So.Africa 3:30-10:30am approx.
31.51S	9.52	DXL13	Paris,France 12:45-1,1:15-1:30,2-2:15,3:15-3:30am,12:30-4,5:50pm-Mid.to NA...News- 7,8,9,10
31.51	9.52		Paris Mondial,France 4:15-5:15pm with 11.885 /11pm.
31.53	9.515	COCQ	Havana,Cuba 6:20-9am,8-11pm.
31.55	9.51	GSB	London,England 1:45-5:45, 6:45-8am to NA, 9:50-11:15, 11:30am-1:15, 1:30-5pm to troops in N. Africa, 5:15-6:30, 7-10:43pm...News- 2:15
31.57N	9.505	PRL7	Rio de Janeiro,Brazil 6-10, 10-11pm to NA ex.Sun.Irreg.* /a
31.57	9.505	JLG2	Tokyo,Japan 6:30-7:45,9:30am-12:20, 12:30-2:30pm to NA, 3-6:30pm...News 7:30,11am,12:30,2,3,6
31.58	9.50	XEWW	Mexico City,Mexico 9:58am- 3:45am. /pm
31.58	9.50	OAX5C	Ica,Peru 7pm-1am. Heard recently?
31.60S	9.495	OIX2	Lahti,Finland 6:15-6:45, 9:15-9:50am to NA, 1-2, 8:25-9:10pm, 11:05-11:50pm to NA...News- 9:15 am,8:25,11:05pm
31.61S	9.49		German Worker's Station 12:50-1am,2:50-3,3:50-4,4:50-5,5:50
31.61S	9.49	KRCA	San Francisco,Calif. 1am-1pm. */6pm
31.61F	9.49	WCBX	New York,N.Y. 7:50-11:30pm.
31.65S	9.48		Radio Metropole (Beograd) 1-2 (Sun.3-4:30),4:40-4:58pm. *
31.65S	9.48		Moscow,U.S.S.R. 2-3,6:30am-10:45am,11:45pm-12:15am.
31.65	9.48	CP38	La Paz,Bolivia 8-10,11am-2,7pm-12 mid.
31.69	9.47	CR6RA	Luanda,Angola 7:30-8:45am,3:30-5pm (Sun.from 3:15pm)
31.69	9.47	JZHA	Hongkong,Hongkong 5:45-9:20am

31.70	9.464	TAP	Ankara, Turkey	10:15am-3:47pm; irreg. to networks 6:45-7:30pm... <u>News- 12:15pm</u>
76 2730	31.73S	9.455	GRU	London, England
	31.80	9.435	COCH	Havana, Cuba
	31.81N	9.43		Moscow, U.S.S.R.
	31.88S	9.41	GRI	London, England
	31.88S	9.41	FGA	Dakar, Senegal
	31.95N	9.39		Moscow, U.S.S.R.
	32.00	0.375	COBC	Havana, Cuba
	32.12	9.34	OAX4J	Lima, Peru
	32.19S	9.32	LRS	Buenos Aires, Argentina
	32.24S	9.305	XGOI	Shanghai, China-
	32.26	9.30	HI2G	Trujillo City, D.R.
	32.26	9.275	COCX	Havana, Cuba
	32.43	9.255		Bucharest, Rounania
	32.64	9.19	HC2ET	Guayaquil, Ecuador
	32.88	9.125	HAT4	Budapest, Hungary
	33.03F	9.082	CNRI	Rabat, Morocco
	33.22	9.03	COBZ	Havana, Cuba
	33.57N	8.99		Kuibyshev, U.S.S.R
	33.48S	8.96	AFHQ	Algiers, Algeria
	33.50V	8.955	COKG	Santiago, Cuba
	33.58	8.93	KES2	San Francisco, Calif.
	33.95N	8.837		Dakar, Senegal
	33.98	8.83	COCQ	Havana, Cuba
	34.05S	8.81	WJP	New York, N.Y.
	34.43	8.70	COCO	Havana, Cuba
	34.62	8.665	COJK	Camaguey, Cuba
	34.64N	8.66	W004	New York, N.Y.
	34.78	8.625	IAC	Rome, Italy
	35.44S	8.465	XPSA	Kweiyang, China
	37.27S	8.05		Kuibyshev, U.S.S.R.
	37.41	8.02	FXE	Beirut, Syria
	37.50N	8.00	FLAG	Douala, Camerouns
	37.81	7.935	PSL	Rio de Janeiro, Brazil
	38.00	7.894	YSD	San Salvador, El Salvador
	38.15S	7.865	SUX	Cairo, Egypt
	38.36N	7.82	WKRD	New York, N.Y.
	38.36N	7.82	WKRX	New York, N.Y.
	39.16	7.66	YNDG	Leon, Nicaragua
	39.40	7.315	YNLAT	Granada, Nicaragua
	39.60	7.575	IRV2	Rome, Italy
	39.66	7.565	WDJ	New York, N.Y.
	39.66	7.565	KWY	San Francisco, Calif.
	39.68S	7.56		Moscow, U.S.S.R.
	40.05	7.49	YN2FT	Granada, Nicaragua

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	40.77N	7.358	WBS	New York, N.Y.	12 mid. (or earlier)-5am.
	40.87N	7.34		Rangoon, Burma	8:30-9:20am.
	41.00S	7.515	GRJ	London, England	1:45-2:30, 3-3:15am, 3-5pm, 12:15-1:30am.
	41.01	7.31		Vichy, France	2:45-3:15, 6-7, 8-9am, 12:15-12:45, 2:15-2:45, 3:30-4:15, 6-7pm.
	41.10S	7.30		Moscow, U.S.S.R.	11pm-1:45, 2:30-3am, 12 Noon-7:20, 8-9pm.
	41.13	7.295	ZOY	Accra, Gold Coast	12:15-3:15pm... <u>News- 3pm.</u>
	41.15S	7.29	DJI	Berlin, Germany	4:30-5:30, 5:50pm-12:15am.
	41.18S	7.285	JLG	Tokyo, Japan	12 mid.-4:30, 5-9:30am.
	41.21	7.28	DXL25	Paris, France	3-4pm.
	41.21N	7.28		Toulouse, France	2-3:40, 7:30-8:40am, 2:20-4:55, 6:45-7pm.
	41.24	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.
	41.32	7.26	VUM2	Madras, India	3-3:40am, 9-11pm... <u>News- 9:45pm.</u>
	41.34	7.257	JVW	Tokyo, Japan	5-9:30am, 3-6:30pm... <u>News 3,6pm.</u>
	41.38S	7.25	KGEI	San Francisco, Calif.	10:59pm-12:45, 1am-12:05pm
	41.41S	7.245		Vichy, France	2:45-3:15, 6-7, 8-9am, 12:15-12:45, 2:15-2:45
	41.44	7.24	VUB2	Bombay, India	2:15-3:10am. /3:30-4:15, 6-7pm.
	41.44N	7.24	VLQ	Sydney, Australia	3:45-8:30am.
	41.44	7.24	DXJ	Berlin, Germany	12:30-5:15, 5:50pm-1:30am to NA... <u>News- 3:30, 4:30, 7, 8, 9, 10, 11pm, 12, 1am.</u>
	41.49S	7.23	KWID	San Francisco, Calif.	6:29am-1:15pm.
	41.49F	7.23	PJCL	Willemsted, Curacao	9-9:15am, 12:30-1:30, 7:45-10:20pm. - *
	41.49	7.23	GSW	London, England	1-9:30pm (European Service)... <u>News 5:45pm</u>
	41.55F	7.22		Shonan, Malaya	5-10am... <u>News-9am.</u>
	41.55W	7.22	VLI4	Sydney, Australia	5:30-6am. *

41.55	7.22	2R011	Rome, Italy	1:30-2, 2:40-3:40, 8-11am, 12:10-7, 8:30-11:50pm to E.N.A...News 10am, 4:30-6, 8:30, 10am-1, 6pm-12 mid. /10:30p
41.61S	7.215	CMZ1	Havana, Cuba	
41.61	7.21	FGA	Dakar, Senegal	5:15-5:30pm
41.63	7.204		Madrid, Spain	4-7pm.
41.65V	7.203	YSY	San Salvador, El Salvador	8:30pm-12 mid. /5am, 5:45pm
41.75	7.185	GRK	London, England	12:40-5:45, 6:45am-12:45, 3-9:30pm...News-
41.80S	7.177		Moscow, U.S.S.R.	8-8:15am, 12:30-1:55, 3:20-4, 30, 5:15-7:15pm *
41.90N	7.16		Penang, Malaya?	5-9:05am.
41.96S	7.15	HC2AX	Vinces, Los Rios, Ecuador	Tues/Sat. 9:30-11pm.
41.96S	7.15	GRT	London, England	1-3:30am, 1-2, 8-9:30pm.
42.00	7.143	EAJ9	Malaga, Spain	4-7:05pm
42.02N	7.14	HC4FA	Portoviejo, Ecuador	5-11pm. *
42.05	7.135		Oviedo, Spain	3-4:30pm
42.13S	7.12	GRM	London, England	1:45-4:45, 6:45am-12:45, 5-6:15, 6:30-10:43, 10:45pm-12:45am to NA...News- 2:15, 4am, /10:45pm, 12:30am.
42.31	7.09	EA9AA	Melilla, Span. Morocco	To 6:30 or 7pm. * /10:45pm, 12:30am.
42.40S	7.075		Athens, Greece	12-2:25, 5-5:30pm. /5:45pm
42.43S	7.07	GRS	London, England	2-6:45pm to Troops in North Africa...News-
42.47	7.063		St. John, Antigua	6-6:15pm; Sun. 4-4:45pm.
42.61	7.045	EAJ24	Cordoba, Spain	Heard 4:40-6pm approx.
42.65S	7.037	EAJ3	Valencia, Spain	4-8pm.
42.74	7.02		Ponta Delgada, Azores	4-5pm.
42.82S	7.006	EAJ47	Valladolid, Spain	4:30-5:15pm.
42.95	6.98		Kuching, Sarawak	12:15-2, 6-7:10am very irreg.
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.
44.28S	6.76	YNDS	Managua, Nicaragua	8-10am, 1-4, 6pm-12:30am. *
44.56N	6.733		Oran, Algeria	4:30-5pm.

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45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun. 6:45-7:45, Tues. 11:15pm-12:15am.
45.25S	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.
46.01N	6.52		Rangoon, Burma	1:45-2, 6-6:20, 7:35-8:30am, 8:15-8:30pm.
46.15S	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.
46.58S	6.44	HILS	Santiago, D.R.	6-8pm ex. Sun.
46.84	6.405	TGQA	Quezaltenango, Guatemala	9pm-12:30am; Sat. 9pm-2am; Sun. 9-5:40-7:25pm. (Su. to 850) /9:30am, 8pm-4am.
46.95S	6.39	HI9B	Santiago, D.R.	Nightly to 1am.
47.10	6.37	OAX4H	Lima, Peru	8:30am-12:30am.
47.20S	6.357	HRP1	San Pedro Sula, Honduras	7-8:30am, 7:30-11:30pm
47.20	6.355	IAC	Rome, Italy	2:30-2:45pm.
47.26	6.35	HILX	Trujillo City, D.R.	6:30-10:15pm; Sat. 6:30-9pm; Sun. 8:15-7pm-1am (Sat. to 2am) /10:30pm.
47.32	6.343	OAX4G	Lima, Peru	7pm-1am (Sat. to 2am)
47.39	6.33	COCW	Havana, Cuba	8:55am-2am.
47.50S	6.325	HILZ	Trujillo City, D.R.	7-8am, 12:40-1:40, 4:55-10:45pm.
47.68	6.29	2R023	Rome, Italy	2-7pm...News 6pm.
47.68	6.29	OAX1A	Chiclayo, Peru	8:30pm-12:30am.
47.77	6.28		Leopoldville, Bel. Congo	6:55-8:15am, 2-4:30pm *
47.82	6.27	YSR	San Salvador, El Salvador	8pm-12:30am. *
47.96F	6.255	HJCT	Bogota, Colombia	11am-3, 7-11:40pm.
48.06	6.25	CR8AA	Macao, Macao	To 9am.
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	8pm-11:30pm. /9-9:30am.
48.23	6.22	TG2	Guatemala, Guatemala	8:30-11am, 7pm-12 mid.; Sa. 7pm-2am, Sun. 1:50-4, 4:30-7pm...News- 6pm.
48.23S	6.22	2R025	Rome, Italy	9pm-12 mid. approx.
48.35	6.205	OAX3A	Huancayo, Peru	7:15-9am, 7:30pm-12 mid; Sun. 4-9pm.
48.39N	6.20	DXL26	Paris, France	1-2:15, 5:15pm-12:45am to C.A...News- 5:45, 6:45, 9, 10:45pm, 12:30am.
48.39	6.20	CP5	La Paz, Bolivia	8:45am-10am, 12:40-2:40, 8:40-10:40pm
48.43	6.195	GRN	London, England	8-8:15am, 11:30-11:35pm (Eng news) Heard evenings to 2am next morning. /11:52pm-12 mid.
49.47	6.19	HILA	Santiago, D.R.	1-2am approx. /11:52pm-12 mid.
49.47S	6.19	VUD2	Delhi, India	Gustav Siegfried Eins, 11:52am-Noon, and hourly through
48.47	6.19	XECC	Puebla, Mexico	Mendoza, Argentina 7-8am, 6:30-11pm. *
48.47	6.19	WGEA	Schenectady, N.Y.	Mexico City, Mexico 9:30am-12 Noon, 3:30-5, 8:30pm-1:30am.
48.48	6.188		Gustav Siegfried Eins	12:40-5:45am, 3-8pm (European Service)
48.51	6.185	LRM	Mendoza, Argentina	5-7:40pm; Sat. to 11pm; Sun. to 8:50pm.
48.54	6.18	XEXA	Mexico City, Mexico	12:15am-2am.
48.54S	6.18	GRO	London, England	
48.58	6.175	HI9T	Puerto Plata, D.R.	
48.62	6.17	WCRC	New York, N.Y.	

48.66	6.165	HER3	Bern, Switzerland	1:40-2:40, 7-8:45am, 2-5:35pm, <u>9:45-11pm to NA...</u> News 10, 10:55pm
248.70	6.16	HJCD	Bogota, Colombia	11am-5pm-12:30am.
48.70	6.16	CBRX	Vancouver, B.C., Canada	10:30am-1:30am.
48.74	6.155	CS2WD	Lisbon, Portugal	4-7pm.
48.74F	6.155	EQB	Teheran, Iran	2:30-4pm... News- 3:15pm
48.78	6.15	HI3C	La Romana, D.R.	5:55-7:10pm.
48.78S	6.15	GRW	London, England	12:15-12:45am
48.78S	6.15	VUM2	Madras, India	6-11am... News- 8am.
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.
0.548.82	6.145	HJDE	Medellin, Colombia	10:30am-11:30pm
48.86S	6.14	KZRH	Manila, Philippines	5:55pm-9am... News- 4:30, 8:30am, 7, 11:30pm
48.86S	6.14	DXX	Berlin, Germany	11pm-1:45am, 1:15-8pm.
48.86F	6.14	HI1G	Trujillo City, D.R.	8:10-9:40am, 12:40-3:10, 4:40-10pm.
48.86N	6.14	WBOS	Boston, Mass.	4:30 (or earlier)-6am. *
48.90	6.135	FKBAA	Noumea, New Caledonia	3:30-4:30, 9-10am; 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... News 7am, 5:30, 11pm.
3548.94	6.13	COCD	Havana, Cuba	9a.m.-?, 6pm-12 mid. Heard recently?
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	MTCY	Hsinking, Manchukuo	4-8:30am.
48.99	6.122	HP5H	Panama City, Panama	7pm-12 mid.
48.99N	6.122	ZFA2	Hamilton, Bermuda	Thursdays 8-8:45pm. *
49.02	6.12	YV3RN	Barquisimeto, Venezuela	12:30-2:30, 3:50-11:30pm
49.02	6.12	XGOY	Chungking, China	7:35-9:55, <u>10-11:30am to NA</u> , 11:35am-12:30pm... News 10, 11am, 12 Noon
49.02	6.119	XEUZ	Mexico D.F., Mexico	10am-2, 8pm-1:10am.
49.08	6.115	HIGH	Trujillo City, D.R.	10:40am-9:40pm.
49.10	6.11	CP2	La Paz, Bolivia	5-10, 11am-2, 4pm-12 mid.
49.10S	6.11	GSL	London, England	1:45-5:45, 2:15-5, <u>5:15pm-12:45am to NA</u> . ... News- 5am, 5:45, 6:45, 9, 10:45pm, 12:30am *
49.10S	6.11	XGOI	Shanghai, China	6-10:15am.
49.14	6.105	HJFB	Manizales, Colombia	6:30-11pm ex. Sun.
49.14F	6.105	XGAP	Peiping, China	5-8:55am. *
49.14	6.105	PRE9	Fortaleza, Ceara, Brazil	4:30-11pm.
49.18F	6.100	XGOW	Hankow, China	7:45-10am
49.18S	6.100		Radio Metropole (Beograd),	2:05-4:30pm ex. Sun, 5:05-7pm. *
49.21S	6.097	HJFK	Pereira, Colombia	8-9am, 6:45-11:30pm.
49.21	6.097	ZRK	Capetown, S. Africa	11:45pm-1:30am... News- 12, 12:30am.
49.21S	6.095	ZYB7	Sao Paulo, Brazil	5-10pm (Sat. to 11pm)
49.21	6.095		Penang, Malaya	2-10am... News- 9:30am.
049.25	6.09	CBFW	Montreal, Canada	7:30am-11:30pm... News 7:30am, 11pm.
49.25S	6.09	ZNS2	Nassau, Bahamas	9-9:15am, 1:45-2:15 (Sun. 1:30-2:15), 6-10:30pm... News- 9am, 2, 6:45, 9:00pm.
49.30S	6.085	VUB2	Bombay, India	7:25-7:30, 8-8:45am... News- 7:25, 8am.
49.33	6.082	OAX4Z	Lima, Peru	6pm-12:30am.
49.34	6.08	WLWO	Cincinnati, Ohio	12:15-6am.
49.34	6.08	CKFX	Vancouver, B.C., Canada	10:30am-4am... News- lam.
49.42	6.07	CFRX	Toronto, Canada	7am-1:30am; Sun. 11am-12 mid... News 7, 8, 9
49.42	6.07	YV5RU	Caracas, Venezuela	7:30am-?, 6-11:30pm. /am
49.42	6.07	TIWS	Puntarenas, C.R.	8:30pm-12:15am; Sun. 3-9pm.
49.42	6.07	GRR	London, England	Not in use at present.
49.50	6.06	VQ7LO	Nairobi, Kenya	6:45-7:15am, 12:30-3:30pm ex. Sa/Su; Tu/Th. 9:30-10:30am; Sa. 6:45-7:30am, 12:30 7pm-2am. /-3:30pm; Su. 12-3p
49.50	6.06	WCDA	New York, N.Y.	
49.50S	6.06		Bangkok, Thailand	7-10:30am.
49.55	6.054	HJFA	Pereira, Colombia	10am-1, 7:30-11:20pm.
49.56C	6.053	CXA8	Colonia, Uruguay	6-7am, 6:15pm-12 mid. *
49.59S	6.05	GSA	London, England	4:10-5:45am, 8-9:30pm.
49.66	6.04	XETW	Tampico, Mexico	8pm-2am.
49.66S	6.04	WRUW	Boston, Mass.	2-4:30am.
49.70	6.035		Harbin, Manchukuo	4-10:15am.
49.73	6.03	HP5B	Panama City, Panama	11:30am-3, 7-11pm.
49.73	6.03		Moscow, U.S.S.R.	7:40-8:19am to N.A. *
49.73	6.03	CFVP	Calgary, Alta., Canada	11am-3am... News- lam. /11pm, Mid., lam.
49.73S	6.03	DXP	Berlin, Germany	2:45-7:15, <u>9pm-1:30am to NA</u> ... News 9, 10.
49.73	6.03	CR7AA	Lourenco Marques, Mozambique	1-2, 5:30-8am, 1-4:30pm; Sun. 5:30
49.75	6.03	XEKW	Morelia, Mexico	9am-2, 6pm-12:40am. /-8am, 11am-3pm. *
49.78S	6.026	HI1J	San Pedro, D.R.	12:40-2:40, 6:55-7:25pm.
49.78	6.026		Gustav Siegfried Eins	11:52am-Noon & hourly to 11:52pm-12
49.80	6.023	XEUW	Vera Cruz, Mexico	8am-2am. /mid.
49.83	6.02	DJC	Berlin, Germany	1:45-5:30pm to Africa... News- 2:15pm.
049.85	6.018	HJCX	Bogota, Colombia	Heard at 8am, and to 11:40pm; to 2am irreg HJCL
49.88	6.015	HI3U	Santiago, D.R.	7:57-9:55am, 12:40-2:40, 5:40-6:40pm.

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49.92	V6.01	CJCX	Sydney, N.S., Canada	7am-2:30, 6-11pm...	News 7, 8, 10am, 10pm.
49.92	6.01	VUD3	Delhi, India	7-11:15am, 9-11:15pm...	News- 8am.
49.92	6.01	PRAB	Recife, Pernambuco, Brazil	4-10pm.	
49.92	6.01	GRB	London, England	12:40-3:15am, 1-9:30pm...	News- 5:45pm.
49.95	6.007	ZRH	Johannesburg, S. Africa	11:45pm-1:30, 10am-4pm...	News- 12:30am
49.96	6.005	CFCX	Montreal, Canada	8am-11:15pm	
49.95	V6.005	HP5K	Colon, Panama	8am-2, 6pm-12 mid...	News- 7, 9:15pm.
49.96	6.002	ZOY	Accra, Gold Coast	12:15-3:15pm...	News- 3pm.
50.00	V6.00	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, 3:15-8:15pm.	...News- 7am, 12:00 Noon, 3:45, 6:45pm.

50.21	5.975	OAX4P	Huancayo, Peru	10pm-12 mid.	
50.23	5.972	HCLQRX	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
50.26S	5.968	HVJ	Vatican City	2:30-4:30pm; /6:15, 6:45, 9:00 pm.	
				Thurs. 8-8:20pm; Sun/Th. 9:30-9:50pm (Eng)	
50.38S	5.955	HH2S	Port-au-Prince, Haiti	8am-Noon, 8-10:40pm; Su. 1-3pm./to NA.*	
50.47F	5.945	ZRD	Durban, S. Africa	11:45pm-1:30, 6:30-7:10, 10am-4pm...	News-
50.51S	5.94	OAX2A	Trujillo, Peru	9am-12:30am.	/12, 12:30am
50.54S	5.935		Khabarovsk, U.S.S.R.	10pm-10am or later.	
50.59S	5.93	PJCL	Willemsted, Curacao	9-9:15am, 12:30-1:30, 7:45-10:20pm.	*
50.85S	5.90	LRS1	Buenos Aires, Argentina	6-10pm.	*
50.90S	5.89		Moscow, U.S.S.R.	9pm-4 pm. intermittently.	
51.00F	5.882		Capetown, S.O. Africa	11:45pm-1:30am...	News- 12:30am.
51.07	5.875	HRN	Tegucigalpa, Honduras	7pm-12 mid. (Sun. to 10:45pm)	*
51.15	5.865	PZ33	Paramaribo, Dutch Guiana	7:27-9:26pm ex. Sa/Su; Sa. 5:40-	
51.19F	5.86		Lisbon, Portugal	2:30-8pm. /8:40pm; Sun. 9:10-11:40am.	**
51.28	5.85		Chile?	8pm-12 mid.	
51.85N	5.786		Cairo, Egypt	4:30-4:45pm (Greek)	**
52.17	5.75	YNJAT	Leon, Nicaragua	8-11:20pm.	
52.40	5.725	HCLPM	Quito, Ecuador	9-11pm ex. Sun.	
52.45	5.72	MTCY	Hsinking, Manchukuo	8-11am.	
55.15N	5.44		Moscow, U.S.S.R.	6-6:30, 6:48-7:23pm to NA, 7:30-8pm.	

**60 METER BAND**

60.36J	4.975	HJAG	Barranquilla, Colombia	12 Noon-12 Mid.; Sun. 12 Noon-9pm.	
60.42F	4.965	HJAE	Cartagena, Colombia	8am-7, 8-11:30pm.	
60.48S	4.96	VUD2	Delhi, India	9:35-10:30pm...	News- 9:45pm.
60.67	4.945	HJCW	Bogota, Colombia	7:30-9am, 8:30pm-12 mid.	
60.75N	4.94		China	9-9:50am.	**
60.92	4.925	HJAP	Cartagena, Colombia	10am-2:30, 8-11:15pm ex. Sun.	
60.98F	4.92	YV5RN	Caracas, Venezuela	5-11:30pm.	/9:45p
60.98S	4.92	VUM2	Madras, India	10:30-11am, 9:10-10pm...	News 10:45am,
61.29	4.895	HJCH	Bogota, Colombia	12:30-3, 7pm-12 mid.	
61.42	4.885	HJDP	Medellin, Colombia	9am-2, 7pm-12 mid.	
61.54	4.875	HJFH	Armenia, Colombia	9am-12 Noon, 7-11:30pm.	
61.67	4.865	PRC5	Belem, Para, Brazil	6-9:05pm	
61.87S	4.865	HJEX	Cali, Colombia	7-11pm.	
61.78	4.855	HJCA	Bogota, Colombia	Relays HJCU evenings to 11pm or mid.	
61.98S	4.84	VUC2	Calcutta, India	9-10pm...	News- 9:45pm.
61.98S	4.84	YVLRZ	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.	
62.18F	4.825	HJED	Cali, Colombia	8-11:30pm	
62.24	4.82	XBJTG	Guadalajara, Mexico	11pm-12 mid..	
62.31	4.815	HJBB	Cucuta, Colombia	Signs-off at 12 mid.	
62.33	4.81	YVIRL	Maracaibo, Venezuela	12 Noon-2, 5:30-11:30pm	
62.50S	4.80	YVIRX	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.	
63.16	4.75	YVIRV	Coro, Venezuela	7:30-11pm ex. Sun.	
63.83	V4.70	ZQI	Kingston, Jamaica	6:15-7:15pm; Sun. to 6:55pm.	

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