

# THE GLOBE CIRCLER

JULY AUGUST  
1943

COMPLETE GUIDE-BOOK FOR SHORT-WAVE LISTENERS



Cuba confers highest civilian decoration on William S. Paley, president of CBS, and Edmund A. Chester, CBS Director of Short Wave Broadcasting, for furthering continental solidarity.

- \* 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

COBC TGWA OLR3A ZBW3 OAX4T HH3W VK2ME IRF VLR VUD2 PMN PCJ RAN  
 DJA CS2WA JDY RAN ZPDJ XEFT LRA  
 ZRH TF812 LRX PSH OZF  
 XEDQ XEYU W2XAF GSB PSH  
 YK6ME TPB13 DJN W2XAD XEDQ IZT  
 CSW3 HI1ABP TPB12 DJA  
 LKC COCQ ZRH XEFT  
 CXAB ZRK VPD2 W2XAF YDB  
 YDB GSB  
 W2XAD OZF  
 VLR KZRM VUD2 GSC LRX  
 XEYU W3XAU VK2ME RAN CS2WA HI1ABP CXAB HH3W JFO XEYU PCJ



CHARLES A. MORRISON  
EDITOR

INTERNATIONAL DX'ERS ALLIANCE  
NORMAL, ILL. U. S. A.

JULY-AUGUST 1943

NUMBER 113

INTERNATIONAL DX'ERS ALLIANCE  
CLUB NOTES  
NEW MEMBERS.

W. Fineshriber, CBS, New York, N.Y.... Gordon Evans, New York, N.Y.... Pfc. T.R. Grosvenor, Scott Field, Ill.... Stanley Winters, Providence, R.I.... Frances Sprague, NBC, New York, N.Y.... R.R. Clay, Kansas City, Mo.... R.E. Solmes, Frankford, Ont., Canada.... W.O. Deem, Parkersburg, W.Va.... L.B. Knouff, Chicago, Ill.... C.H. Corfield, Whitstable, Kent, England.... Byron Hanna, Los Angeles Calif.... Thos. Hosler, Hollywood, Calif.... Chas. Hartas, Huddersfield, Yorks, England... Pvt. C. Romanowicz, APO, Seattle, Wash.... Inter-American Div. of Radio Commission, Havana, Cuba.

RENEWALS: S.G. Pierce... Tommy Bowen... Claude Wooten... H. Sibley... N. Pagenhardt... Edw. H. Slater... H.S. Bradley... Clarence Hartzell... John Wilson... John DeMyer... (Contribs) C. Corfield... John DeMyer... H. Sibley... Tommy Bowen

WANTED OR FOR SALE

FOR SALE-- Hallicrafters S-19-R, "1941 Model" in A-1 condition, by J.L. Watson, 301 S. Webster, Norman, Okla.... Meissner Dual BCB wave trap; Meissner 1500 KC output IF Transf; 2 Hammarlund MC20S condensers; Mike off-on switch, by H. Sibley, 1441 Goffe St., St. Clair, Mich.

WANTED-- Berne Frequency Lists: J.W. Young Jr., 2727 Penn Ave., West Lawn, Penna. A.M. Hankins, 1006 Ligonier St., Latrobe, Penna.... New or used 0.1 d.c. milliammeter in good condition: Clarence Hartzell, 112 N. 3rd St., Jeannette, Penna.... 6AB7, and a 6K8 or a 6SC7 tube; 15 ft. good 2 cond. mike cable: H. Sibley, 1441 Goffe Street, St. Clair, Mich.

IDA IN THE ARMED FORCES

N. Kriebel (Ambler, Pa.), is now a "Smoke Jumper" in the Forest Service, Camp Parson, CPS # 103, Seeley Lake, Mont.... Pfc. T. R. Grosvenor is in the Air Corps, Scott Field, Ill.... Tommy Bowen (Detroit) is teaching radio & code at the Naval Air Technical Training Center, Memphis, Tenn.... Bob Hough is in the Radar Division, U.S. Navy, at Quonset Pt. R.I.... C. Wooten (Huntsville, Tex.), is in an Army Communications Center "Somewhere in the South Pacific"... Gail Beyer (Chicago), writes from "Someplace in North Africa." He is in a Bombing Squadron... E. Roberts (formerly Indianapolis) is a "Link Trainer" instructor at Casper Wyo.... Frank Sekach (Detroit), is taking flying instruction at Miami Beach, Fla.... Ex-Merchant Marine Seaman Eric Butcher is taking a rest at Monument, Colo.... C.H. Corfield, a Radio Officer in the British Merchant Marine, calls Whitstable, Kent, England "Home."... M. Soplop, U.S. Army Air Corps, has moved to Shaw Field, Sumter, S.C.... Leo Mason (Detroit), in the Field Artillery, is now



IDA Members, "Bud" Brehmer, Mamaroneck, N.Y. and British Seaman A.E. Martin of St. Helens, Lancs, England.

Stationed in "Hawaii"... Stan Sosnowski (Detroit) is keeping records for the Air Corps, at an Air Base in Texas.... Geo. C. Starry (Latrobe, Pa.) is now Master at Arms at the Armed Guard School, of Little Creek, Va.... Jas. Shaw (Guardbridge Scotland), radio op. on a British corvette, has been doing a lot of traveling lately...

PERSONAL-- A.E. Martin, British Seaman, recently visited "Bud Brehmer" of Mamaroneck, N.Y.... Jimmy Moore, San Francisco, has recently returned home after a stay in Samoa.... J. Jacquemard of Algiers, writes "all the French people of North Africa" were very enthusiastic to see the U.S. Forces" ...

It is with extreme regret we must report the passing of Charter IDA member Howard Eck of East Lansing, Mich. Howard was a popular professor for 14 years at Michigan State College. One of the country's leading listeners at one time Howard finally succumbed to a mysterious malady which he was stricken with several years ago. We will all miss "Howard" very much.

# SHORT WAVE NOTES

EDITOR-IN-CHIEF--CHARLES A. MORRISON

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



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 given as: E- East; SE- So. East; C-Central; W-Western. If foreign, the country, or an abbreviation of that country is given.

LP OF REGIONAL MONITOR, JOHN WILSON, WILMINGTON, DELA.

## SHORTWAVE NOTES NORTH AND CENTRAL AMERICA

E.W.T.

E.W.T.

The F.C.C. has reinstated all amateur radio operator licenses which have expired since Dec. 7, 1941 extending all licenses for a period of 3 years. The operation of amateur stations is still forbidden for the duration.

BAHAMAS ZNS2 (6.09) now operates weekdays 9-9:15am, 1:45-2:15, 6:30-10pm; Sun. 9-9:15am, 1:30-2:15, 6-10:15pm. Eng. news at 9am, 2, 6:45, 9:06pm (Jones-SE, Ferguson-E)

BAHAMAS ZFA2 (6.122) now seems to be operating Mon/Fri, 7-7:45pm. The transmitter has a power of 3 KWS, and the transmissions are intended for local reception only (\*Ferguson, Becker, Madigan-E)

BRIT. HONDURAS ZIK2 (10.6) is apparently still on the air irreg., 9-9:20pm; was heard on a recent Friday night (Ferguson-E)

CANADA CFCX (6.015) now operates Sun. to 12 Mid. (Jones-SE)... CJRO (6.15) is heard irreg. to 1am; News at 12:45am (Balbi-W)... CJRX (11.72), operates 1:00-5:45pm; verifies promptly with blue/white card. CJRX, a 2½ KWS transmitter, is owned by Transcanada Communications Ltd., Winnipeg (Gozen, Cobb, Wilson, Hankins, Newell, Juett, Sutton, Mrs. Allen, Ferguson, Jeisey-E)

CUBA COBC (9.37) jumps to 9.62 irreg. (Gozen-E, Jones-SE)... NEW: COBF (6.04), "Radio Universal," Prado 159, Havana, relays CMBF, approx. 10:15am-12 Mid (\*\*Jones-SE, Baxter-E)... COCD (6.13) is on the air again (Jones-SE)... COCM has been having transmitter trouble for about a year. Signals are poor (Juett-E)... COCX is now on 9.265 (Gozen-E)... CMZ1, "La Voz de la Democracia," calle 13, Ave. 11 Amp. Almendares, Havana, Cuba.; usually on 7.205 but heard for a time on 7.055, operates 10am-1, 6pm-12 Mid.; has increased power to 1 KWS (Gozen, Baxter, Juett, Perrin, Sutton, Newell, Harris-E)... COGF (11.81), now seems to be on evenings, 6:00-7:30; 8-10pm irreg. (Gozen, Baxter, Juett-E)... COK (11.623) was off the air for several weeks during a change in studios (Jones-SE, Sutton-E)

CURACAO Commercial PTYA-B-C-D (18.464, 17.274, 12.638, 12.295; also 15.22 and 9.495 irreg), Willemsted, has been testing with WOT5 (18.755), 2-3:30pm with English & music. Power is ½ KW; soon to be increased to 5 KW. (\*\*Jones-SE)

D.R. HJI (14.93) phones WNC at 9am... HI1Z is on approx. 6.315 (Baxter-E)... HI2G (9.105) operates approx. 7:30-9am, 5:30-10pm (Becker, Mrs. Allen, Gozen, Juett, Newell-E)... NEW: HI2T or P is heard on 6.49, 6:30-9pm (\*\*Gozen-E)... HI3X (11.88) also operates 12 Noon-2pm; jumps irreg. to 11.80 (Newell-E, Jones-SE)... HI9B (6.375) operates approx. 5:10-8pm (Gozen-E, Jones-SE)... HIL (now on 6.19)... operates approx. 6:15-8:15pm; Spanish news at 7pm (Gozen-E)

EL SALVADOR YSM (11.71) not heard anymore 2-3pm... YSR now believed to be on..

6.37; operates 8pm-12:30am approx. (Gozen, Juett, Baxter-E)  
 GUATEMALA TGWB is back on 6.50 mcs. (Juett, E, Jones-SE, Allen-W)  
 HAITI HHBM (9.658) operates 6:30-8a, 2-2:55, 7-10:05pm (Jones-SE)  
 MEXICO New-Mexico City stations are being heard in parallel on 6.87 and 7.01. They seem to operate approx. 6pm-12 Mid. (\*Gozen, Sutton, Harris, Baxter-E, Balbi-W)... XEBR (11.82) now seems to operate approx. 4:15-6:15, 9:15pm-1:00am. (Gozen-E\*)... XERQ (9.615) operates evenings 7pm-1am; broadcasts the American Hour, a feature of the Continental Radio Network, 9-10pm (Juett-E)... XETT (9.557), actually operates 8am-1am. Chimes sound between each item (Juett-E)... XEUW is now on 6.012 (Jones-SE)... XEXA is now operating on 6.175 (Jones-SE)... XEWW usually operates on 9.50 but still hops to 9.545 irreg. (Jones-SE, Baxter, Juett, Hartzell, Sutton-E, Neidow-C, Balbi, Deligianis-W)  
 PANAMA NEW: HP5Q? (11.74) heard 11:30pm-12 Mid., qrm'd by DXC2 (\*Balbi-W)... HP5A (now 11.695), operates daily 9am-1am. Has English news 1:35pm; rebroadcasts Lum and Abner at 4pm (Jones-SE, Cobb, Ferguson-E, Balbi-W)... HP5G (11.78) now operates weekdays 9:15-10am, 12:30-3:15, 7:35-11:15pm; Sat. 9:15-10:30am, 12:30-4:30, 7:30pm-12 Mid.; Sun. 11:15am-2, 8:55pm-12 Mid. Weekdays the Eng. news is heard at 12:45, 1:30, 2:15, 8:15pm (\*Jones-SE, Bringham, Juett, Sutton, Becker, Baxter, Newell, Cobb-E)... HP5J (9.606) operates Sundays 10am-11:30pm (Juett-E)  
 U.S.A. KGEI operates on 11.79, 5-10:45pm, replacing 11.73... WBOS operates 6:15-11am, 5:30-12 Mid. on 11.87; 11:15am-5:15pm on 15.21... CBS stations operate as follows: WCRC: 6am-5pm, 7:20pm-12 Mid. on 11.83; 5:15-7:15pm on 17.83; 12:15-2am on 9.65; WCBX: 7am-4:45, 4:50-7:45pm on 15.27; 9-11:30pm on 9.49; 11:45pm-3am on 6.17; WCDA: 9am-2:30pm on 17.83; 5:15-6:30pm on 11.83; 7pm-2am on 606... G.E. stations operate: WGEA 6:15am-5:15pm on 11.847; 5:30-7:45pm on 15.33; 8pm-12 Mid. on 7.00; 12:15-2:10am on 6.19; WGEO 6am-5:15pm on 15.33; 5:30pm-12 Mid. on 9.53... NEW WK- stations operate: WKRX (17.76), 1-3:15pm; WKLJ (15.29), 8:45am-4pm; WKRD (15.19), 7:45am-1:30pm; WKRX (15.19), 3:30-5pm; WKRD (12.967), 3:30-5pm approx.; WKTm (11.847), 6pm-12 Mid.; WKRX (9.897), 6-8am; WKRD (9.897), 3:30-5pm; WKRX (9.897), 6-8:45pm; WKLJ (9.75), 7-8:30am, 4:15-7pm; WKRD (7.82), 4:45-7:30am, 5:15pm-12:30am; WKLJ (7.565), 7:15pm-4am; WKTm (6.37), 12:15-5am; WKTS (6.12), 2:15-5am; WKRD (5.985), 12:45-4:30am... WLWO operates: 8:30-11, 3:45-5:15, 5:30-7pm on 15.25; 11am-3:30pm on 17.80; 7:15pm-12 Mid. on 9.59; 12:15-3am on 6.08; 3:15-4:30am on 7.575... WRCA operates 9am-2:15pm on 17.78; 5-8:45am, 2:30-4:45, 5-11:30pm on 11.893 (Wilson, Gozen, Heisey, Baxter, Harris, Hankins, Mrs. Allen, Cobb, Bringham, Ferguson, Juett, Prendergast, Sutton-E, Balbi-W)

#### SOUTH AMERICA

An unidentified Latin on 5.925 is being heard approx. 9pm-1am (Jones, Baxter-E)  
 ARGENTINA LRU (15.29), LRX (9.66) are off the air (Jones-SE, Balbi-W, Gozen-E)... LRS3 (15.81), relays CBS news in Spanish 6:30-6:45pm (Jones, Ferguson-SE)... LRS (9.32), LRS1 (5.9), now operate 5-11pm... LSX (10.35), CXAL0 (11.9), and ?? (15.68), all heard operating in parallel 8pm-12 Mid. (Jones-SE)... "Radio Belgrano" is rebroadcast 6-9am by LRY (9.64), ZPA5 (11.95), CXAL4 (11.84), CXAS (6.053)... LRA5 (17.72), LRA1 (9.688), broadcast "for the Americas," Fri., 4:45-5:30pm; English at 5:10-5:17pm (Jones-SE)  
 BRAZIL Radio Nacional now operates: 12-12:20 pm in Portuguese over PRL9 on 17.85; 3-4:10 to Eng., 4:15-10 Non directional, 10-11pm ex. Sun to N.A. over PRL8 (11.715 or 11.72); Sundays, 2-10pm. Eng. news is heard weekdays 3:50, 10pm (\*Jones-SE, Hartzell, Ferguson, Gozen, Pagenhardt-E, Acton, Neidow-C)... PSH (10.22) now operates 6:25-8:15, 8:30-8:45pm. Only English is when PSH rebroadcasts PRL8 irreg. at 10pm (Jones-SE, Ferguson, Sutton, Young-E)... PST (12.08) is still heard irreg. 7:15-10pm (Juett-E)... ZYB8 (11.765) operates 3-10pm on Sun. (Jones-SE)  
 CHILE A New station, probably CELL85?, on 11.85, is heard 6pm-12 Mid. (\*Jones-SE, Sutton-E, Balbi-W)... CEL180 (11.975) comes on air evenings at 6pm (Gozen-E)... CE960 (9.603) heard from 6pm also (Jones-SE)  
 COLOMBIA HJCF is now on 6.235 (Baxter-E)... HJCT (6.255) operates to 12 Mid. on Sat... HJFB (6.105) now operates 6-11:30pm (Sun. to 11pm) (Jones-SE)  
 DUTCH GUIANA PZX3 ("Free Netherlands Radio") is now operating on a new freq. of 11.755-11.760, 7:25-9:40pm ex. Sat/Sun, 5:40-7:40pm on Sat. English identification is given at start & end of program. Tuning signal is 2 chimes. Reports should be sent to The Government Press Service, Paramaribo, Netherlands Guiana. PZX5 (15.41) is off the air (\*\*\*) (Jones-SE)  
 ECUADOR HCLBF (7.265) is not heard at present (Gozen-E)... NEW: "Radiodifusora Senid" (7.35), call unknown, Guayaquil, is heard approx. 8pm-12 Mid. (\*Gozen, Juett, Baxter-E)... HC2AK? (9.428), "Radiodifusora Ecuador," Guayaquil, is heard approx. 6pm-11:05pm (\*Juett, Gozen, Baxter-E, Jones-SE)  
 PARAGUAY ZPA1 (11.721) not heard currently (Jones-SE)  
 PERU OAXIA (now 6.295) operates 7pm-12:30am (Jones-SE)... OAX3A (6.205) is

heard 8pm-12 Mid (Jones-SE)...OAX4G is now on 6.33; OAX4H on 6.37 (Baxter, Jones-E)...OAX4T (9.562), operates 9am-3pm; Setting-up exercises at 9:30am (Jones-SE) ... "Radio America" operates approx. 1pm-1am over OAX4W (9.41), and OAX4V (5.935) (\*Jones-Se, Gozen, Baxter)...OAX4Z (6.082) operates Sat. 7pm-12 Mid. (Jones-SE, Ferguson-E)...OAX5C, Ica, is back on 9.50 (Jones-SE)

URUGUAY CXAIO (11.90) usually operates 6:35-10:15pm (Jones-SE)

#### AFRICA

ALGERIA Radio France (12.12) broadcasts 1-3, 6-8:30am, 12-1:35, 3:35-4:30, 4:45-5:20pm; also on 8.17 approx. 1:45-3:30, 11am-4:30pm, and on 11.86, 6-7:15am. AFHQ is in operation with press or program pickups, approx. 7:45-9:30am on 16.022 & 5:15-7:30pm on 8.96. The AFHQ station is known as the "Freedom Radio," and reports on it can be sent to Allied Force Headquarters, Public Relations Branch, A.P.O. 512, C/o Postmaster, New York. Capt. Albert M. Wharfield is in charge of the station (\*\*Roberts, Sutton, Ferguson, Young, Hartzell, Baxter, Becker, Swanson-E, Jones-SE)

BEL. CONGO "Radio Congo Belge" broadcasts approx. 6:55-8am on 20.04, 17.72, 11.72 & 6.28; 1:30-1:45 on 11.72, 6.28; 1:45-3pm on 17.72, 11.72, 6.28. Radio National Belge broadcasts approx. 6:15-7:30 or 8am, 12:30-1:15pm on 17.775; 3:15-5:15pm & 11:45pm-1:30am on 11.67 (\*Baxter, Sutton, Gozen, Ferguson, Madigan, Allen, Becker-E Jones-SE, Balbi, Picard-W, Neidow, CAM-C)

CAMEROONS "Radio Cameroun" now operates on 11.53 & 8.00, 2:15-3:15pm (Jones-SE)

CANARIAS EAJ43 (7.275) now operates 5-6pm (Jones-SE)

EGYPT SUV (10.055), Cairo, sends messages from British troops to folks at home frequently near 5:45; also relays program pickups for BBC frequently near 6pm (near 5:10pm irreg.) (Newell, Jones-E)

MOROCCO "Radio Maroc" (9.082, 8.035), Rabat, operates 2-7:15pm (\*Jones-SE, Ferguson, Baxter, Becker, Newell, Gozen, Allen-E)

MIDDLE CONGO "Radio Brazzaville" tested a new 50,000 watt transmitter on 11.97 & 9.78, May 29, 30, 31. Reports were requested to be sent to the Fighting French delegation, 626-5th Ave., New York, N.Y. (\*\*Balbi, Wells-W, Gozen-E, Jones-SE)..... Radio Brazzaville (11.97) operates 2-2:20, 9:30-10:15am, 2-2:30, 2:45-5:35, 11pm-12 Mid. (Jones-SE, Ferguson-E)...Radio Club (9.98 & 9.04) operates 2-2:20am, 2-3:20, 5-5:30pm; at 2am, 2:45 and 5pm in parallel with FZI (11.97) (\*Jones-SE, Becker-E)

MOZAMBIQUE CR7BE (9.843) now operates 2:25-4:30pm; Eng. news at 3:50pm (Jones-SE)

TUNISIA "Radio Tunis" is reported to be operating to 3pm on 11.485 (Bring-

#### EUROPE

CLANDESTINE "Radio Geira" (Denmark) is now heard on 9.705, Wed/Sat 2:15-2:30pm. (Jones-SE)...Radio Himalaya (15.435) not heard recently (Gozen-E)...Radio Metro pole (Belgrade) is heard 4-7, 9:15-11am, 12-2pm (9:15-10:15pm irreg) on 11.925; 2:05-3:35, 4-6pm on 9.48 (Becker, Allen, Gozen, Baxter-E, Jones-SE)... "Deutsche Kuth sender Atlantik (6.21 or 6.147) is heard 4:30-5 & hourly to 1:30-2am (Baxter, Gozen-E, Jones-SE)... "Radio Beograd" (7.425) is heard Sat. 10-11pm, Sun. 5-8pm, and irreg. 12 Mid. on (Jones-SE)... German Catholic Station operates: 12:45-1pm on 9.662, 4:15-4:30 on 9.966, 6:15-6:30pm, 12:15-12:30am on 6.095 (Baxter-E, Jones)... Gustav Siegfried Eins now operates 10:50-11am & hourly to 10:50-11pm on any one of the following freqs: 9.645, 9.637, 9.545, 9.482, 6.235, 6.19, 6.12, 6.02mcs. (Baxter, Juett, Harris, Becker-E, Jones-SE)... Hungarian Nations Radio (11.633) is heard Sun. only, 6:15-6:30, 8:15-8:30, 10:15-10:30am, 12:15-12:30pm... Radio Patrie (9.72) is heard 2-2:20, 4:30-4:50pm (Sutton-E, Jones-SE)... "La France Fidele" (9.575, 7.315, 7.245) has not been heard recently (Jones-SE)... A Slovak undercover on 9.62 is heard 2:15-2:28pm (Jones-SE)... An Italian undercover on 9.78, is heard 4-4:08pm. They come on & sign-off with a trumpet (Jones-SE)... Jugoslav undercover on 11.79 is being heard 3-3:15, 7:15-7:30pm (Gozen-E, Jones-SE)

BOHEMIA DHE4A (11.84, but varies 11.835 to 11.857), Prague, broadcasts 6am (or earlier) to 7:45am; 6-7:30, 7:55-10:15pm to NA (Jones-SE, Gozen, Becker, Wilson)

ENGLAND On June 13, the BBC greatly expanded and completely revamped its Overseas Services. There are 5 area groupings: Broadcasts to the Pacific; India & Far East; Near & Middle East; Africa; The Americas. There is also a new group called the General Overseas Service which takes in parts of the others. The complete new schedule is so complicated & comprehensive that it would be almost impossible to detail it here. We have endeavored to show the new timings & frequencies in the List. Transmissions beamed to N.A. are given as follows:

7-8am over 65p (15.31) 18:00am-5pm over GSP (15.31), 5:15pm-12:45am over GSC (9.58), 5:15-9:45pm over GRG (11.68), 7:15-7:30pm over GVU (11.78), 10pm-12:45am over GSL (6.11), 10:45pm-12:45am over GRX (9.69), 10:45pm-Mid. over GRT (7.15) New BBC freqs. & calls (where known) follow: 6.125, GRW (6.15), 9.49, 9.55, 11.70, GVV (11.73), GVU (11.78), 11.93, 11.955, 15.06, GRP (17.87). GRE is now on 15.42 mcs. (BBC)

- FINLAND OIX4 (15.19), OIX3 (11.785), OIX2 (9.495) broadcast: 2:30-4:30, 6:15-6:50, 9:15-9:50am to NA, 1-2:10, 4-5:05, 5:45-6:30, 6:45-7:10, 8:25-9:10, 11:05-11:50pm to NA. News in English at 9:15, 1:30, 8:25, 11:05pm (\*Jones-SE, Newell, Gozen, Sutton, Becker, Juett-E)
- FRANCE Paris Mondial on 11.885 now signs-off at 5pm. Paris Mondial on 9.52 is not heard at present (Gozen-E)...Vichy's revised schedule follows: 5:15-5:45, 6-7, 7:15-7:45, 8-11, 11am-1:20pm to NA, 1:20-1:45 on 15.24; 1:45-6, 6:15-7:45, 8-9:30, 9:45pm-12 Mid. to NA, 2:45-5am on 9.62; Eng. news at 1, 11:15pm. The 17.765 freq. is not now in use (\*Gozen, Cobb, Sutton, Wilson, Harris, Allen, Baxter, Ferguson, Pagenhardt-E, Jones-SE)
- GERMANY Some corrections in Berlin timings & freqs. follow: DXX (6.14) now operates 10pm-12:45am only. DXM (7.27), is now heard 12:15-8pm in the Home Service, replacing DXX...DJI (7.29) comes on air at 3:30pm...A NEW German freq. of 11.725 is heard to 6:30am, afternoons to 6:45pm, 7pm-12 Mid...DXC2 (11.74) is still carrying the N.A. Service, 5:50pm-12 Mid...DJZ (11.80) is heard 1:30-1:45 and 5:35pm-12 Mid...DXL7 (11.885) comes on air at 12:30am...DZE (12.13) is being heard 6:30-8:30am, 12 Noon-1:45 & 3:30-4:45pm...DJL (15.11) is now heard mornings 7:30-7:45, 8:30-8:45am...DXT (15.23) is heard mornings 7-9:15am to NA...DXU (15.32) now operates 7-9:30am; Eng. at 8am...DJQ (15.28) now comes on air at 1am (Baxter, Gozen, Wilson, Allen, Juett, Ferguson, -E, Balbi, Allen-W, Jones-SE)
- ICELAND TFJ (12.235) is heard irreg. Tues. at 4:45pm (Jones-SE)
- IRELAND "Radio Eirrean" broadcasts: 8-9:30am, 1:40-2:10pm on 17.84; 5:05-5:35pm on 9.595; Eng. news at 1:45 & 5:15pm (\*Jones-SE)
- ITALY 2R017 (19.59) also operates 12-12:45pm (Baxter-E, Jones-SE)...2R08 (17.82) operates 2:30-2:45, 3:15-3:30, 7-8, 8:30-9:10; Eng. at 9am (Baxter, Gozen-E)...2R024 (15.465) and 2R04 (11.81) have Eng. news at 12:20pm (Baxter-E)...2R021 (actually 15.045 but jumps to 15.075 irreg.), is also heard 11-11:30am (Gozen-E, Jones-SE)...2R022 is heard on 11.95 during the day but on 11.94 at night (Gozen, Becker-E)...Rome (9.555) & IRV2 (7.575) give Eng. news on Tues/Thurs/Sat. at 4:20pm (Jones-SE)...Rome gives American prisoner of war news usually following Eng. news at 8:40, 9:40pm etc. (Jones, Cobb-E)
- NORWAY LKJ (9.54), Oslo, is also heard 5:30-6, 11pm-12 Mid. (German) (Allen-E)
- PORTUGAL Lisbon phone heard on 9.195, 4:45-5:30pm calling Funchal and Ponta Delgada. Used 15 note musical signal (Allen-E)...Lisbon (5.86) is now heard 1:45-6pm (Sutton-E)...Lisbon (11.72) now operates 6-8am (Gozen, Allen-E)...The unidentified Lisbon station on 12.27 is heard irreg. near 7am (Allen-E)
- SPAIN Malaga (14.435) is heard 8-8:50am irreg. (Jones-SE)...Other sked changes: Madrid (7.204), 3-6pm; EAJ9 (7.143), Malaga, 3-6:05pm; Oviedo (7.135), is heard irreg. to 4pm; EAJ3 (7.037), Valencia, 3-6:05pm. EAJ24 (7.045) & EAJ47 (7.006) have not been heard for some time (Jones-SE)
- SWEDEN SBT (15.155), SBP (11.705) give English lessons Wed. at 1:30pm (Jones)... "Sweden Today" is heard on Sun. at 11:10am over SBT (15.155) & SBP (11.705); transmission on Sun. only (Jones-SE)...David Anderson has been calling NBC and London, 6-6:20pm over SBU (9.535) for prospective pickups (Jones-SE)
- SWITZERLAND Pickups from Bern (Eve) are made over HET4 (10.39). They call W005 near 6:15pm. Reports & actual pickups are made with "scrambler" (Jones-SE)... Bern broadcasts to Latin America, 7:30-9pm ex. Sat. over HER4 (9.54), HER5 (11.72) (Ferguson, Gozen-E)...Some of the Eng. features heard in Bern's transmission to N.A. include: "Today at Home and Abroad" at 9:33pm, followed by "Home News in Brief"; "International Red Cross News," Tues. at 9:45pm (Pagenhardt, Becker-E)... HER6 (15.305) is now heard Sat. 11am-1pm to Africa (\*Jones-SE)... Bern broadcasts to Europe, 2-5:45pm over HER3 (6.165) & 4:50-5:45pm over HER5 (11.96). English news is given at 4:50pm (Gozen, Newell, Becker-E, Jones-SE)
- U.S.S.R. Soviet Broadcasts to No. America follow: 7:40-8:19am on 15.75-15.23-12.19-10.445-9.545 (to 8:50am on 15.75; Sun. to 9:50am); 10:15-10:30am on 15.23 9.545; 5:15-5:40, 9:15-9:40, 11:15-11:40pm on 15.23-15.11; 6:47-7:24pm on 15.75 15.23-15.11-12.19-9.48-5.44; 8-10pm on 15.75-11.948-9.48 (\*\*Jones-SE, Ferguson, Newell, Harris, Wilson, Hankins, Baxter, Gozen, Juett, Cobb, Hartzell, Allen, Becker-E, Acton-C)... Other Soviet Transmissions noted: 15.75 heard at 11:05am...13.42 is heard 7:30-10:15pm with 9.055, 7.545, 5.89 in Home Service, and 11pm on...12.27, is heard 11am-4pm with 11.948 & 9.48 in Home Service...12.23 is being heard to 12.55 in the Home Service...12.17 operates 7:30-10:15pm with 7.56...11.96 is heard 7:30-11 (8-10pm in Eng.)...10.445 is heard 8-10, 10:15-11:30pm, 12 Mid. on...9.48 is heard 7:30-11, 11:15-11:45, 12 Mid. on...9.055 (was on 9.04) is heard 6-10:15pm with 7.545 and 5.89...7.56 is heard 9-10:15, 11pm on. (Jones-SE, Gozen, Baxter, Wilson, Sutton, Juett-E, Balbi-Allen-W)
- VATICAN CITY HVJ (11.74) broadcasts to N.A., Thurs. 9:30-9:50pm, Sun. 9:30-9:40pm

(Jones-SE, Wilson-E)...HVJ was heard recently 8:45-9am on 17.83, testing for S.A. (Sutton-E)...HVJ's Tues. broadcast to India, is now heard 9-11:40am on 17.445. English 11-11:40am (Jones-SE, Baxter-E)...HVJ (11.74) broadcasts to SA as follows: Sun.8-8:15, Sun/Thurs,8:30-8:45,9-9:15pm (Jones-Se,Juett,Young-E)

#### ASIA AND OCEANIA

AUSTRALIA Australia now broadcasts to NA: 12-12:30, 1:10-1:40am to W.NA, over VLG6 (15.23), VLI3 (15.32); 8-8:45am to E.NA over VLG2 (9.54), VLI9 (7.28); 11:10-11:40am to West North America over VLG (9.56) (\*Jones-Se, Swanson, Sutton, Baxter, Hartzell, Ferguson-E, Balbi-W)...VLG3 (11.71) now broadcasts to New Guinea 3:30-3:50. The 3:50-4:20am transmission has been dropped...VLG3 (11.71), broadcasts to S.E.Asia, 10:15-10:45am, replacing VLG6 (Baxter-E, Jones-Se, Balbi-W)...The Perth Home Service is broadcast: 2-5:30am over VLW3 (11.83); 6-11:30am over VLW6 (9.68)(Gozen, Sutton-E)...VLQ3 (9.66) broadcasts the Home Service Relays: 4:50-9:30am, 4:30-8, 9:35pm-4:50am (Ferguson, Baxter, Sutton, Harris-E, Jones SE, Balbi-W)...Morning pickups from Australia are broadcast over VIS (9.83); Evening pickups (6:35pm for MBS; 7:20 for NBC) are broadcast over VLN3 (19.30) (Jones-SE, Hankins)...VLI12, Sydney is on 11.83; VLI6 is new call for VLQ10 on 9.59 (NZDXC)

CHINA FFZ (12.06) now broadcasts 5:30-9:30am, 11pm-2am; Eng.news at 7:45am (\*Jones-SE, Sutton-E)...XGOI (9.66, 7.48), Shanghai, operates 7:15-11am (Baxter-E)...XGOY's actual frequency varies now 9.635-9.650 (Balbi, Deligianis-W, Becker-E)...XGOW (6.11), Hankow, not heard lately (Balbi-W)...XGRS is on 11.695 (Gozen-E)...XIRS is still being heard on 11.99 not 12.01 (Jones-SE)

INDIA VUD6 (9.66) again heard 7:30-9:50am, qrm'ed by VLQ3 (Jones-SE)

INDO CHINA Radio Saigon (11.78) is now heard evenings 7-7:50pm (Gozen-E).....

Radio Saigon (4.75) operates 8-9:30am in parallel with 11.78 (Balbi, Allen-W)

JAPAN JZJ (11.80), JZI (9.535), have American prisoner of war messages also at 1:50am ex. Sat/Sun (Balbi-W)...Tokyo to S.E. Asia, is now broadcast 9:30am-12:15pm over JZJ (11.80), JRAK (9.565), JYW2 (9.675)(Jones-SE, Becker-E, Allen-W)...JVZ2 (11.825) is now heard 4:50-9:15am in Home and Empire Transmission, with 11.74, 11.725, 9.595 (Jones-SE). An unidentified Jap on 3.72 is also heard

carrying this transmission to 9:30am (\*Allen-W)...An Asiatic commercial on 12.145 heard with inverted speech at 7:15am is believed to be JLV, Tokyo (Gozen)

JAVA Batavia (18.135) broadcasts a special program to N.A., 12:55-2am; News in English is given at 1am; Reports from American, British & Australian soldiers interned in Java at approx. 1:30 or 1:35am. Other changes in Schedule shown in list (\*\*Balbi-W)

MALAYA Shonan (12.00 & 11.85), operates 9-10, 10:10-12:10pm; also 6-7am..... English news is given at 6:05, 9:25 & 10:15am (\*Balbi-W, Gozen-E)

SYRIA A station on approx. 8.02, heard near 1:30am may have been FXE

TAHITI FO8AA (6.98) is now operating Tues/Fri, 11:30pm-12:50am. The first part of the program, 11:30-12:15 is in French, with music. The last 35 or 40 minutes is in Polynesian. Station has good signals (\*\*Jones-SE)

TURKEY TAQ (15.195) has not been heard for several weeks (Jones-SE)...TAP (9.465), operates occasionally to 4:47pm with classical music (Jones-SE)...Pickups for American networks are again being made from Ankara; Frank O'Brien for NBC and Winston Burdette for CBS.

#### IMPORTANT ANNOUNCEMENT

With this the 113th consecutive issue of the GLOBE CIRCLER (started on Jan 1.1933), I regretfully announce the suspension of publication - as an economy measure - until after the war - at which time I hope - with your cooperation to put out an enlarged and improved magazine.

The International Dx'ers Alliance is not being dissolved and I hope to keep in touch with you from time to time if at all possible. The matter of discontinuance of publication for the present has been brought about - not by lack of interest or cooperation but by lack of sufficient revenue to continue. With overseas enrollments out of the question --- a vast number of our members in the armed forces, and many others doing full time work which leaves no leisure for dx'ing revenue understandably has been on the decline. This is not your fault nor is it mine. I have carried on as long as possible meeting any deficits out of my own pocket. I am no longer able to do this.

A careful record is being kept of all unexpired subscriptions and when publication is resumed each member will receive all issues remaining to his or her credit.

The Monitoring Network will continue to function and other IDA organizational activities will continue wherever and whenever possible.

With grateful thanks to all who have given untiringly and unselfishly in the interests of the IDA.

Charles A. Morrison

# 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
<b>13 METER BAND</b>							
13.81	21.72	DXE	Berlin, Germany		7-8:15am	to Africa	
13.86S	21.64	GRZ	London, England		6:45-9:15am		
13.97S	21.47	GSH	London, England		6:30-11:30am		
14.97S	20.04	OPL	Leopoldville, Belgian Congo		6:55-8:00am		
15.31S	19.59	2R017	Rome, Italy		7:45-9:30am, 12-12:45pm	News 8:25am	
15.37S	19.52	IRW	Rome, Italy		8:30-8:45am	to USSR	7-10pm...News 1a
16.54S	18.135	YDA	Batavia, Java		12:55-2am	to NA, 3-3:50, 7-10:50, 11-11:45am,	
16.59	18.08	GVO	London, England		11:30am-12:15pm		
16.61	18.065	PCV	Kootwijk, Netherlands		9:45am-5:30pm	News 11:30am	
16.64	18.025	GRQ	London, England		6:45-7:15, 9-10, 10:45-11:15, 11:30am-12:15pm		
<b>16 METER BAND</b>							
16.79	17.87	GRP	London, England		6-11:15am		
16.81	17.85	DXL19	Paris, France		7:00-9:45am	to N.A...News 7:30, 9:30am.	
16.81N	17.845		Buenos Aires, Argentina	Fri.	4:50-5:30pm	Eng. 5:10pm.	
16.82S	17.84		Athlone, Ireland		8-9:30am, 1:40-2:10pm	News- 1:45pm.	
16.83S	17.83	WCRC	New York, N.Y.		5:15-7:15pm	to S.A.	
16.83S	17.83	WCDA	New York, N.Y.		9am-2:30pm	to Europe	/9am
16.84S	17.82	2R08	Rome, Italy		2:30-2:45, 3:15-3:30, 7-8, 8:30-9:10am	News	
16.84S	17.81	GSV	London, England		1-5, 6am-2pm	News 3:30, 7, 9, 11am, 12 Noon.	
16.85S	17.80	WLWO	Cincinnati, Ohio		11am-3:30pm.		
16.86S	17.79	GSG	London, England		5:45-7:15, 11:30am-11:45am, 12:45-1:45pm.		
16.86	17.785	JZL	Tokyo, Japan		4:15-6:15am	News 5:05, 6am.	
16.87S	17.78	WRCA	New York, N.Y.		9am-2:15pm.		
16.88S	17.775	RNB	Leopoldville, Belgian Congo		6:15-8am, 12:30-1:15pm.		*
16.89S	17.76	DJE	Berlin, Germany		3-7, 7:15-10:30am.		
16.89N	17.76	WKRX	New York, N.Y.		1-3:15pm	to C.Africa	*
16.90S	17.75	WRUW	Boston, Mass.		10am-2:15pm		
16.93	17.72	LRA5	Buenos Aires, Argentina	Fridays	4:50-5:30pm.		*
16.93F	17.72	RCB	Leopoldville,		6:45-8am, 1:45-3pm.		*
16.94S	17.715	GRA	London, England		5-10:30am.		
17.20S	17.445	HVJ	Vatican City, Italy		9-11am (Tues. to 11:45am)		*
<b>19 METER BAND</b>							
18.73S	16.022	AFHQ	Algiers, Algeria		7:45-9:30am approx.	(press & network pick-	
19.05S	15.75		Moscow, U.S.S.R.		7:40-8:50 (Su. to 9:50am), 6:47-7:24,	/ups	
19.13N	15.68		Argentina?		8:00-10:00pm (Eng.)	to NA.	*
19.40S	15.465	2R024	Rome, Italy		8pm-12 Mid.	*/News- 10:20am, 12:20p*	
19.42S	15.45	GRD	London, England		2:30-2:45, 3:15-3:30, 7:45-9:30, 10am-12:45pm		
19.46S	15.42	GRE	London, England		3:45-5, 6-11:15am, 12-12:30, 1-1:15pm	News-	
19.53S	15.355	KWU	San Francisco, Calif.	5-6 (Su. to 6:15),	7:45-9:30pm ex. Su/Wed		
19.54S	15.35	WRUW	Boston, Mass.		8am-12 Noon, 12:10-6pm.		
19.54	15.345	FGA	Dakar, Senegal		8:15-9am, 3:15-3:15 or 5:45pm.		
19.56	15.34	DJR	Berlin, Germany		1am-12 Noon	to S.&E. Asia...News 1:30, 3, 8am	
19.57	15.33	WGEA	Schenectady, N.Y.		5:30-7:45pm		
19.57S	15.33	WGEO	Schenectady, N.Y.		6am-5:15pm		
19.58S	15.32	DXU	Berlin, Germany		7-9:30am	English 8am.	
19.58S	15.32	VLI3	Sydney, Australia		12-12:30, 1:10-1:40	to W.NA, 6:15-7:45	*
19.60S	15.31	GSP	London, England		3:45-5, 5:30-6:45, 7am-5pm	to NA...News-7, 9,	
19.60S	15.305	HER6	Bern, Switzerland	Tu/Sat	4:45-6:10am, Sa. 11a-1pm/11am, 4:45pm.		
19.61S	15.30	2R06	Rome, Italy		3-3:30, 7-8, 8:30-9:40am, 12:50-2:35, 3:30-6,		
19.62	15.29	KWID	San Francisco, Calif.	5-9:15pm	6:30-9:15pm	News- 3:30, 5pm.	
19.62N	15.29	WKLJ	New York, N.Y.		8:45-4pm.	/News 3, 8am, 11:30pm*	
19.62S	15.29	VUD3	Delhi, India		12:30-4, 5:30-5:45, 6:30-8:15am, 11:30-11:35p		
19.63S	15.28	DJQ	Berlin, Germany		1am-12 Noon	News 1:30, 3, 5:30, 8, 10am.	
19.64S	15.27	WCBX	New York, N.Y.		7am-4:45, 5-7:45pm.		
19.68S	15.26	GSI	London, England		1:30-2:15pm.		
19.67S	15.25	WLWO	Cincinnati, Ohio		8:30-11am, 3:45-5:15, 5:30-7pm.		
19.69S	15.24		Vichy, France		5:15-5:45, 6-7, 7:15-7:45, 8-9, 9:15-11, 11:15		
19.69	15.235	CR7BD	Lourenco Marques, Mozambique	1-4:30pm?	(Sun. 11am-3pm)	News-1pm.	*
19.70S	15.23		Komsomolsk, U.S.S.R.		7:40-8:19, 10:15-10:30am, 5:15-5:40, 6:48-		
19.70S	15.23	DXT	Berlin, Germany		7:25, 9:15-9:40, 11:15-11:40pm (Eng.)	to NA.	
19.70S	15.23	VLG3	Melbourne, Austr.		7-9:15am	to NA...News 7:30am.	
19.70S	15.23				12-12:30, 1:10-1:40am	to W.NA, 9:45-11:45pm	



19.71	15.22		Azad Moslem Radio	9:30-9:45am; Voice of Free India 10a.m. 12:05pm; National Congress Radio 12:15-11:15am-5:15pm. /12:45pm	
19.72S	15.21	WBOS	Boston, Mass.	7-9:45am to NA, 10:30-10:45am, 5:50-9:30pm to NA... News- 7:30, 9:30am, 7, 8, 9pm.	
19.72S	15.20	DJB	Berlin, Germany	1-4, 6:15-6:45, 9:15-9:50am to NA, 1-2:10, 3:45-5:05, 5:45-7:05, 8:25-9:10, 11:05-11:50pm to N.A... News- 9:15am, 1:30, 6:15, 3:30-5pm. /8:25, 11:05p	
19.75S	15.19	OIX4	Lahti, Finland	7:45am-1:30pm.	
19.75S	15.19	WKRX	New York, N.Y.	Wed. 8-9pm.	
19.75N	15.19	WKRD	New York, N. Y.	8:15-9:15am, 12:45-1:45pm.	
19.75S	15.19	XGOX	Chungking, China	1:45-2:55pm to NA; Sun. 1:45-6:15pm.	
19.76S	15.18	GSO	London, England	5-9:05 or 9:25pm.	
19.78	15.17	TGWA	Guatemala, Guatemala	4:30-6:45, 7-9:15am... News- 5, 6am.	
19.78S	15.165	PRE9	Fortaleza, Ceara, Brazil	4:30-6:10pm... News 4:45, 5:45pm.	
19.79	15.16	JZK	Tokyo, Japan	11am-Noon to NA; 12-2:15pm (to NA on odd days)... News- 11:01am.	
19.79	15.16	VLG7	Melbourne, Australia	7am-5pm.	
19.80	15.155	SBT	Stockholm, Sweden	11:15am-3pm	
19.81	15.15	WNBI	New York, N.Y.	7-9:45am to NA, 10:30-11:15am.	
19.82S	15.14	GSF	London, England	1:15-2:15pm	
19.83	15.13	DXL6	Paris, France	11:45am-3pm.	
19.83	15.13	KGFI	San Francisco, Calif.	Sun. 5:30-6am (Mass & Sermon)	
19.83	15.13		Paris Mondial, France	6:00-11:20am (Home Service Relay)	
19.84S	15.12	HVJ	Vatican City,	5:15-5:40, 6:47-7:25, 9:15-9:40, 11:15-11:40pm (Eng.) to NA.	
19.84	15.12	DXH2	Berlin, Germany	7:30-8:15, 8:30-8:45, 11:20am-5:30pm..... News- 8:30, 11:30am, 2:15, 4:15pm.	
19.85S	15.11		Komsomolsk, U.S.S.R.	8-9:15am to NA, 7-10:45pm to E.NA, 11pm-1am & 4:15-6:15am... News 5:05, 6, 8, 9, 7, 8, 9pm.	
19.85S	15.11	DJL	Berlin, Germany	Thurs/Fri. 10-11am. /7, 9, 11:00 a.m.	
19.86	15.105	JLG4	Tokyo, Japan	1-5, 6-11, 11:15am-2:30pm... News-1:05, 2:15, 12:30-1, 2:40-3:30, 7-8:50, 11-11:30am, 12:10-3pm.	
19.87	15.095	HVJ	Vatican City,	3:15-3:30am to U.S.S.R.	
19.92N	15.06	GW6	London, England	2:15-6:45, 10-10:45am.	
19.94S	15.045	2R021	Rome, Italy	8-8:50am irreg. *	
20.37	14.73	IQA	Rome, Italy	7-9am.	
20.75S	14.46	DZH	Berlin, Germany	6:30-6:55am.	
20.79S	14.435		Malaga, Spain	7:30-10:15pm (Home Service) *	
21.48	13.965	CNR	Rabat, Morocco	???-9:15am, 3:30-5, 7:30pm-???	
21.69S	13.829	SUZ	Cairo, Egypt	7-9, 11-11:30am, 11:30am-1:30pm /10:45pm	
22.35N	13.42		Moscow, U.S.S.R.	7:45-9:45am, 12:30-3:45, 6-11pm; Su. 8am-11am-4pm approx.	
23.14S	12.967	WKRD	New York, N.Y.	Tues. 4:45pm irreg., 7-7:30pm.	
23.38S	12.83	CNR	Rabat, Morocco	7:40-8:19am, 6:47-7:25pm to NA.	
24.11	12.455	HCJB	Quito, Ecuador	7:30-10:15pm.	
24.45	12.27		Moscow, U.S.S.R.	6:30-8:30am.	
24.54	12.235	TFJ	Reykjavik, Iceland	Radio France, Algiers, Algeria 1-4, 6-8:30, 12-4:30, 4:45-5:20pm	
24.61N	12.19		Moscow, U.S.S.R.	12:13-1:30pm	
24.65S	12.17		Moscow, U.S.S.R.	5-10:30, 11:30am-2, 2:30-3:30, 6:30-8:30pm.	
24.73S	12.13	DZE	Berlin, Germany	5:30-9:30am, 11pm-2am.	
24.75S	12.12	THA	Radio France, Algiers, Algeria	9:30-11:15, 11:30am-3, 6:30-10:45pm.	
24.77	12.115	ZNR	Aden, Arabia	<b>25 METER BAND</b>	
24.80S	12.095	GRF	London, England	6-7, 9-10, 10:10am-12:10pm... News-9:25, 10:15	
24.88S	12.06	FFZ	Shanghai, China	5:30-10:30am, 7:30-8:15, 10:30-11pm...../am	
24.92S	12.04	GRV	London, England	News- 7, 8:30am, 10am, 7:30, 10:30pm.	
25.00S	12.00		Shonan, Malaya	7:30-10am, 1:30-?, 3pm-12 Mid.	
25.02S	11.99	XIRS	Shanghai, China	Congo 2-2:20, 9:30-10:45am, 2-2:30, 2:45-5:35, 11pm-12 Mid. to NA... News 3:45, 11:45p	
25.04S	11.975	CEL180	Santiago, Chile	12:45-1:45, 7:15-7:45am.	
25.05S	11.97	FZI	Brazzaville, Middle	4:50-5:45pm; Sat. 12:30-2pm to S.Afr.	
25.08S	11.96		Tiflis, U.S.S.R.	6am-3pm (European Service)	
25.08S	11.96	HER5	Bern, Switzerland	12:30-1, 1:40-2:40, 6:40-9:45, 11:20am-2:30p	
25.09N	11.955	GVY	London, England	6-9am, 4-11:05pm. /10:30p	
25.10S	11.95	2R022	Rome, Italy	6:30pm-12 Mid. to NA... News- 8:30, 9:30,	
25.10S	11.95	ZPA5	Encarnacion, Paraguay	11am-4, 7:30-11 (8-10pm to NA in Eng.) pm	
25.13S	11.94	2R022	Rome, Italy	6-10:30am, 11:30am-4:30pm... News 2pm. /pm	
25.10	11.948		Moscow, U.S.S.R.	Radio Metropole (Belgrade), 4-7, 9:15-11am, 12-2pm; 9:15-11:15	
25.15N	11.93	GVX	London, England	3-11:20am.	
25.16S	11.925		Radio Metropole (Belgrade)	10:15-10:45am (Eng.) *	
25.21S	11.90	DXF2	Berlin, Germany	3pm-12 Mid. approx. *	
25.21	11.90	VLG9	Melbourne, Australia	5-8:45am, 2:30-4:45, 5-11:30pm	
25.21	11.90	CXA10	Montevideo, Uruguay	3:15-5pm.	
25.22S	11.893	WRCA	New York, N.Y.		
25.23S	11.885		Paris Mondial, France		

25.24S	11.885	DXL7	Paris, France	12:30-6:45, 10:30-11:15am, 12 Noon-2:45, 5:35
25.25	11.88	VLR3	Melbourne, Australia	9:15pm-4:15am. /pm-12:15am.
25.25J	11.88	HI3X	Trujillo City, D.R.	12-2, 6:30-10:15pm (Sa. to 9pm); Su. 8:15-
25.27	11.87	VLI2	Sydney, Australia	2:55-3:25am to Britain... News- 3am/10:30pm
25.27S	11.87	WBOS	Boston, Mass.	6:15-7, 7:15-11am, 5:30pm-12 Mid.
25.28SS	11.865	HER5	Bern, Switzerland	8:20-8:45am. /News- 5:30am, 11:30pm
25.29S	11.86	XMHA	Shanghai, China	12-2, 5:30-6, 8-9:30am, 8-9:30, 11-11:45pm. *
25.29N	11.86		Algiers, Algeria	6-7:15am. /News 2:00, 4:45pm.
25.29S	11.86	GSE	London, England	5:30-6, 8:15-8:45am, 12-12:15, 13:30-5:15pm...
25.31	11.855	DJP	Berlin, Germany	4:45am-12 Noon, 5:50pm-12:15am.
25.32C	11.85	CE1185?	Santiago, Chile	8pm-12 Mid.
25.32N	11.848		Shonan, Malaya	6-7, 9-10am, 10:10am-12:10pm... News 6:15, 9:25a
25.33N	11.847	WKTM	New York, N.Y.	6pm-12 Mid. *
25.33S	11.847	WGEA	Schenectady, N.Y.	6:15am-5:15pm
25.33S	11.845		Vichy, France	1:45-6pm
25.35S	11.84	DHE4A	Prague, Bohemia	6-7:45am, 6-7:30, 7:55-10:15pm to NA
25.35S	11.84	CXA14	Colonia, Uruguay	6-9am, 5pm-12 Mid.
25.35	11.84	VLG4	Melbourne, Australia	6:15-7:45am
25.36S	11.83	VLW3	Perth, W. Australia	1:30-6:55am... News-5am.
25.36E	11.83		Moscow, U.S.S.R.	12-12:45, 1-2, 7-7:30, 9-9:45, 10:30am-1:45pm
25.36S	11.83	WCRC	New York, N.Y.	6am-5, 7:30pm-12 Mid.
25.36S	11.83	WCDA	New York, N.Y.	5:15-6:30pm
25.37S	11.825	JVZ2	Tokyo, Japan	4:50-9:30am, 4:30pm-4:30am.
25.38S	11.82	GSN	London, England	1-3:30, 7-8:45, 11:30am-12, 12:15-2, 2:15-2:45p
25.38S	11.82	XEBR	Hermosillo, Mexico	4:15-6:15, 9:15pm-1am.
25.40S	11.81	2RO4	Rome, Italy	2:40-3:30, 9:15-9:40, 10am-2:35, 3:30-3:50, 4-4:24, 4:40-6, 7:45pm-12 Mid. to NA... News- 12:20, 8:30, 9:30, 10:30, 11:30pm.
25.41S	11.81	COGF	Matanzas, Cuba	12:30-3 (Su. 1:30-3pm), 6:30-9pm approx. *
25.42S	11.801	DJZ	Berlin, Germany	1:30-1:45, 5:35pm-12:15am.
25.42S	11.80	JZJ	Tokyo, Japan	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, 11pm-1a... News- 2, 3, 5, 9am, 12 Noon, 1:50, 7, 8, 9pm.
25.45S	11.79	KGFI	San Francisco, Calif.	5-10:45pm.
25.45S	11.79		Jugoslav Undercover	3-3:15, 7:15-7:30pm. *
25.45S	11.79	VUD6	Delhi, India	3:30-3:40, 5:30-5:45, 6:30-8:15, 8:30-9:50am, 9-10pm... News 9am, 9:45pm.
25.46S	11782	DXG2	Berlin, Germany	6-8:15am.
25.47S	11.78	HP5G	Panama City, Panama	9:15-10am, 12:30-3:15, 7:35-11:15pm; Sat. 9:15-10:30am, 12:30-4:30, 7:30pm-12 Mid; Sun. 11:15am-2, 8:55pm-12 Mid... News 12:45, 1:30, 2:15, 8:15pm ex. Sun. /6:30, 10:00, 10:45am.
25.47S	11.78		Saigon, Indo China	4-11:30am, 7-7:45, 11:45pm-12:15am... News-
25.47N	11.78	GVU	London, England	1-3:30am, 3-3:15pm... News 1:05, 2:15am.
25.48	11.775	MTCY	Hsinking, Manchukuo	1:30-3am to NA.
25.48S	11.775	OIX3	Lahti, Finland	2:30-4:30, 6:15-6:50, 9:15-9:50am to NA, 1-2:10, 4-5:05, 5:45-6:30, 6:45-7:10, 8:25-9:10, 11:05-11:50pm to NA... News- 9:15am, 1:30, 8:25, 11:05pm.
25.49S	11.77	DJD	Berlin, Germany	5:50pm-12 Mid. to NA... News 7, 8, 9, 10, 11pm.
25.50S	11.765	ZYB8	Sao Paulo, Brazil	8:55am-12:35, 4:55-10pm ex. Sun; Su. 8:55-
25.51	11.76	DXR	Berlin, Germany	1:30-3:30am, 11:20am-5/12:35, 3:00-10:05pm. 5:30pm... News- 1:30, 3:00, 11:30am,
25.51S	11.76	VLR8	Melbourne, Australia	4:30-8pm... News- 4:55, 5:45pm.
25.53S	11.75	GSD	London, England	1-5, 9:45-11:15, 11:30am-5, 5:30-9:45pm... News 1:05, 2:15, 3:30am, 12, 2:00, 4:45pm.
25.54N	11.745		Rangoon, Burma	2:15-4:10, 9:15am-12:30, 9:45-10:45pm.
25.55S	11.74	HVJ	Vatican City,	Sun. 8-8:15pm; Sun/Thurs 7-7:20, 8:30-8:45, 9-9:15, 9:30-9:45pm (Eng.) to NA; Mon/Wd/Sat 4-4:30am (Eng), Tu (Eng) 11-11:30am, Tu/Thurs 8-8:15pm; Thurs. 11-11:30am (Eng.)
25.55S	11.74		Parao, Palau Group	4:30pm-4:30, 4:50-9:30am. /7, 8, 9, 10, 11:00pm.
25.55S	11.74	DXC2	Berlin, Germany	6-11:30am, 12-4:15, 5:50pm-12 Mid. to NA... News
25.56	11.737	COCY	Havana, Cuba	9am-2:15am.
25.58S	11.73	WRUW	Boston, Mass.	2:30-6pm
25.58S	11.73	WRUL	Boston, Mass.	6:15-7:25, 7:35-10:15pm. /2, 4:45pm.
25.58N	11.73	GVV	London, England	6-6:30, 8:30-10:30, 11:30am-4:30pm... News-
25.59S	11.725	JVW3	Tokyo, Japan	4:30pm-4:30, 4:50-9:30am.
25.59N	11.725		Berlin, Germany	??-6:30am, ??-6:45, 7pm-12 Mid. *
25.60S	11.72	RCB	Leopoldville, Bel. Congo	6:55-8am, 1:30-3pm
25.60S	11.72	CJRX	Winnipeg, Canada	1-5:45pm
25.60S	11.72		Lisbon, Portugal	6-8am to Orient.
25.60S	11.715	HER5	Bern, Switzerland	2-5:45, 7:30-9pm ex. Sat. *
25.60N	11.715	PZX3	Paramaribo, Surinam	7:25-9:40pm ex. Sa/Su; Sat. 5:40-7:40pm
25.60	11.715	HSP5	Bangkok, Thailand	7-10:25am... News- 8, 9:15, 9:35am.

25.60S	11.715	PRL8	Rio de Janeiro, Brazil	9:15am-12:30, 2:30-4:10, 4:10-5:55, 10-11pm to NA ex. Sun... News- 3:50, 10pm.
25.62S	11.71	VLG3	Melbourne, Australia	1:55-2:40, 2:55-3:25, 3:30-3:50, 4:25-5:25, 5:30-6am... News- 2:55, 5:30pm. *
25.62	11.705	CXA19	Montevideo, Uruguay	7-8am, 8-11 (Sat. to 11:30pm)
25.63	11.705	SBP	Motala, Sweden	12-2:15pm (Sun. 11am-2:15) 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.
25.63J	11.705	CBFY	Montreal, Canada	7:30am-11:30pm (Su. 8am-11:30pm)
25.64	11.70	CK1170	Santiago, Chile	8-11pm
25.64N	11.70		London, England	11:30am-12:45pm
25.65	11.696	HP5A	Panama City, Panama	9am-1, 9:10pm-1am. /am, 6:45, 8:45, 11:45pm.
25.65S	11.695	XGRS	Shanghai, China	6pm-10am... News- 12:45, 2:30, 6:45, 7:45, 9:15
25.68S	11.68	GRG	London, England	1-5, 10am-1:15, 5:15pm-12:45am... News 1:05, 2:15, 3:30, 4:57, 11:00am.
25.71S	11.67	RNB	Leopoldville, Belgian Congo	3:15-5:15, 11:45pm-1:30am. *
25.75	11.65	XGOK	Canton, China	5:30-9:35am /12:15-12:30pm
25.80S	11.63		Hungarian Nations Radio	Sun. 6:15-6:30, 8:15-8:30, 10:15-10:30, *
25.83	11.623	COK	Havana, Cuba	Off air at present. *
25.81	11.61	KZRH	Manila, Philippines	6PM-4, 4:30-9am... News 8:30am, 11:30pm.
25.86	11.60		Rumanian Freedom Station	1-1:10am, 1:45-1:55, 4:15-4:25pm.
26.02N	11.53		Douala, Cameroons	6:45-7:15am, 2:15-3:15pm
26.13N	11.485		Tunis, Tunisia	1:00am, 6:30am, 3:00pm.
26.16S	11.47		Azad Moslem Radio	9:30-9:45am; Voice of Free India, 10am-12:05; National Congress Radio 12:15-12:55
26.39	11.37		Croatian Freedom Station	2:30-2:43pm /pm
27.17	11.04	CSW6	Lisbon, Portugal	1-5:30, 5:45-7:45pm
27.68S	10.84	KWV	San Francisco, Calif.	2-4:30, 8:30-10:30am.
27.96	10.73	VQ7LO	Nairobi, Kenya	Approx. 9:15-10, 10:15-11am.
28.25	10.62	KES3	Bolinas, Calif.	1-6am.
28.30	10.60	ZIK2	Belize, British Honduras	9-9:20pm irreg. (Eng.)
28.45S	10.543	DZD	Berlin, Germany	12:10-12:30am, 5:50pm-12 Mid. to NA... News- 7, 8, 9, 10, 11pm, 12:10am. /8-10, 10:15-11pm.
28.73S	10.445		Moscow, U.S.S.R.	12-3, 7:40-8:20am to NA, 8:25-11:30am, 12-145 *
28.99S	10.35	LSX	Buenos Aires, Argentina	8pm-12 Mid. irreg. *
28.99	10.35		Station Debunk	8:30-9pm
29.04S	10.33	2R019	Rome, Italy	3:30-4:30, 6:30-10pm.
29.15S	10.29	DZC	Berlin, Germany	12 Noon-5:30, 5:35pm-12:15am.
29.24	10.26	XGAP	Peiping, China	9am-12 Noon /10pm.
29.35S	10.22	PSH	Rio de Janeiro, Brazil	6:25-8:15, 8:30-8:45, 10-10:07pm... News-
29.62J	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.
29.84S	10.055	SUV	Cairo, Egypt	11-11:45am, 12:15-12:45pm., 5:45-6:15pm ir.
29.99	10:005		Voice of Free Arabs	2:15-2:30, 3:15-3:30, 4:15-4:30pm.
30.11N	9.966		German Catholic Station	4:15-4:30pm. *
30.06S	9.98		Brazzaville, Middle Congo	2-2:20am, 2-3:20, 5-5:30pm.
30.12	9.958	HCJB	Quito, Ecuador	7:45-9:45am, 12:30-3:45, 6-11pm; Sun. 8am- /5:30pm
30.21S	9.897	WKRX	New York, N.Y.	6-8am, 6-8:45pm.
30.21S	9.897	WKRD	New York, N.Y.	4:45-7:30am, 3:30-5pm.
30.43	9.86	EAQ	Madrid, Spain	1-2, 6:50-8pm to NA... News 1:15, 7pm.
30.43S	9.86		Moscow, U.S.S.R.	11pm-7:30, 8:25-8:55am
30.48S	9.843	CR7BE	Lourenco Marques, Mozambique	1-2, 5:30-8am, 2:25-4:30 (Su. 11am -3pm)... News- 1:55, 6:55am, 3:50pm
30.49N	9.84		Hungarian Radio Nations	Sun. 2:15-2:30, 4:15-4:30am, 2:15-2:30,
30.51J	9.833	COCM	Havana, Cuba	7:45am-1am; Sun. 7:45am-12 Mid. /7:15-7:30pm.
30.54S	9.825	GRH	London, England	1-4:30, 11:30am-5, 5:30pm-12:45am... News- 1:05, 2:15, 3:30am, 5:45, 6:45, 9:06, 10:45pm,
30.64S	9.79	2R018	Rome, Italy	12:30-1am, 1-4, 4:30-6, 6:30-10pm... News 5pm. *
30.67N	9.78		Italy undercover	4-4:08pm. *
30.67N	9.78		Brazzaville, Middle Congo	Testing here irreg. *
30.75	9.755	ZRO	Durban, So. Africa	5:30-9, 11am-6pm; Su. 5:50am-6pm.
30.77C	9.75	WKLJ	New York, N.Y.	7-8:30am, 4:15-7pm.
30.82	9.735	CSW7	Lisbon, Portugal	8-9pm to N.A.
30.82	9.73	CE970	Valparaiso, Chile	7:30-9am, 5:30pm-12:30am.
30.86	9.72	XGOA	Chungking, China	7am-1pm... News 10, 11am.
30.86N	9.72	PRL7	Rio de Janeiro, Brazil	6-9:55pm; Sun. 9:15am-3:55, 4-11pm.
30.86	9.72		Radio Resistance (Patrie)	2-2:20, 4:30-4:50pm.
30.88	9.715	OAX4K	Lima, Peru	6:30pm-12:20am approx.
30.92S	9.705		Radio Geira	Wed/Sat. 2:15-2:30pm.
30.92S	9.70	WRUW	Boston, Mass.	6:15-7:25, 7:35pm-2am.
30.93	9.70	FIQA	Tananarive, Madagascar	5-6, 8:30-9:30, 10:30am-12 Noon
30.96	9.695	JIE3	Taihoku, Taiwan	7:45-10:40am.
30.96S	9.69	GRX	London, England	1:30-3:45, 4am-6:45, 7-10:45, 10:45pm-12:45am to NA... News 10:45pm, 12:30am.

30.96	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 or later. *
30.99J	9.68	XEQQ	Mexico City, Mexico	10am-2:45am.
30.99S	9.68	VLW6	Perth, W. Australia	7-11:30am...News 7, 11am.
<b>31 METER BAND</b>				
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.	5:15-7:30, 7:35pm-2am.
31.02S	9.67	JVW2	Tokyo, Japan	9:30am-12:15pm...News-12 Noon.
31.05S	9.662		German Catholic Station	12:45-1pm.
31.06S	9.66	VLQ3	Sydney, Australia	4:30pm-9:30am...News- 2:15, 4:20, 5, 8:15am.
31.06S	9.66	HVJ	Vatican City,	Sun.5:30-6am; Mon/Wed/Sat 11am-2 (Eng); Tues.
31.06S	9.66	XGOI	Shanghai, China	7:15-11am, 9:30-9:45pm...News 8am, 9p/1:30-2pm
31.06S	9.658	HHBM	Port-au-Prince, Haiti	6:30-8am, 2-3, 7-10:05pm ex.Sun.
31.09S	9.65	DJW	Berlin, Germany	1am-12 Noon, 1-4:45, 5:50pm-12:15am...News-
31.09	9.65	WGEO	Schenectady, N.Y.	Not on at present. /1:30, 3, 8:00am
31.09N	9.65	WCRC	New York, N.Y.	12:15-2am to Europe
31.11	9.645	LLH	Oslo, Norway	10-10:50pm to NA
31.11	9.645		Gustav Siegfried Eins	10:40-11am & hourly to 10:48-11pm.
31.11S	9.645	JLT2	Tokyo, Japan	12:30-2:45pm...News- 1:50pm.
31.12	9.64	KZRH	Manila, Philippines	6pm-9am...News- 4:30, 8:30am, 7, 11:30pm.
31.12	9.64	COX	Havana, Cuba	12:50pm-12 Mid. approx.
31.12S	9.64	LRV	Buenos Aires, Argentina	5:57-9am, 1:30-2:30, 3-11pm./5:15-6:45p*
31.12S	9.64		London, England	12:45-1:30, 1:45-3:45am, 12-2, 3-4:15, 4:30-5,
31.14	9.635		Gustav Siegfried Eins	10:42-11am hourly to 10:48-11pm.
31.14V	9.635	XGOY	Chungking, China	7:35-9:55, 10-11:30am to NA, 11:35am-12:30,
31.15S	9.63	2R03	Rome, Italy	2:30-4, 4-5pm...News- 10, 11am, 12 Noon, 4:30pm
31.15S	9.63	2R03	Rome, Italy	3-3:30am, 1-3:50, 4-4:20, 6:07-6:10, 6:30pm-12
31.15S	9.63	2R03	Rome, Italy	Mid. to NA...News- 3:20am, 3, 4:10, 8:30, 9:30,
31.15S	9.63	2R03	Rome, Italy	/10:30, 11:30pm.
31.17	9.625	CXA6	Montevideo, Uruguay	11am-7pm.
31.17	9.625		Addis Abeba, Ethiopia	10:15-11:30am, 1:15-2:15pm.
31.17	9.625	XGCA	Kalgan, North China	7-9am. /2:45-5pm...News- 9:45 p.m. *
31.19S	9.62		Vichy, France	6:15-8, 8:15-10:15pm to NA, 10:30pm-12 Mid.,
31.21	9.615	XERQ	Mexico City, Mexico	9:30-11am, 7pm-1am...News 9pm.
31.22S	9.61	DXB	Berlin, Germany	12:30-1:30, 12:30-4:15pm.
31.22J	9.608	ZRL	Capetown, S. Africa	4:15-11:45am; Su.2:10-2:45, 4:30am-12:45pm.
31.23S	9.606	HP5J	Panama City, Panama	8am-2:30, 9:30-11:30pm; Sun.10am-11:30pm.
31.24	9.603	CE960	Santiago, Chile	6pm-12 Mid.
31.25S	9.60	GRY	London, England	1-2:45, 3:30-5:45, 6:15-6:30, 8:30-8:45am,
31.25S	9.60	GRY	London, England	2:15-5, 5:15-6:45pm...News 1:05, 2:15am, 4:45pm
31.27	9.595		Athlone, Ireland	5:05-5:35pm...News 5:15pm
31.27S	9.595		Tokyo, Japan	4:50-9:30am. /News- 3, 8am, 9:45, 11:30 p.m.
31.30	9.59	VUD4	Delhi, India	1-4, 5:30-5:45, 6:30-11am, 12:30-2, 9-11:55pm.
31.30S	9.59		Voice of Free India	9-11pm; National Congress Radio 11:15-1155
31.30S	9.59		Voice of Free India	pm; Azad Moslem Radio 12:05-12:20am.
31.30S	9.59	DXU9	Huizen, Holland	3-5:45, 5:50-8pm.
31.30	9.59	WLWO	Cincinnati, Ohio	7:15pm-12 Mid.
31.32	9.58	VLR	Melbourne, Australia	4:45-9:30am...News- 5, 8:15, 9:20am.
31.32	9.58	VLG	Melbourne, Australia	11-11:45am to W.NA...News- 11am.
31.32S	9.58	GSC	London, England	4-4:30am, 12:30-5:15, 5:15pm-12:45am to NA...
31.32S	9.58	GSC	London, England	News- 4am, 5:45, 6:45, 9:06, 10:45pm, 12:30am.
31.33S	9.575		Vichy, France	2:45-3:45, 6-7, 8-9am, 1:45-3, 4:30-6pm.
31.35	9.57	KWID	San Francisco, Calif.	1-2:52, 3-6:15am, 9:30pm-12:45am.
31.35	9.57	DXZ	Berlin, Germany	12:15-1:45, 9:45am-12:45, 1:30-3pm.
31.37S	9.565		Komsomolsk, U.S.S.R.	3-7:30, 8:30-10am, 3-5:12, 5:40-6:45, 10-11:12
31.37S	9.565	JRAK	Parao, Palau Group	9:30am-12:15pm. /11:45pm-12:40 a.m.
31.37	9.562	OAX4T	Lima, Peru	9am-3pm. *
31.38	9.56	DJA	Berlin, Germany	5:50-8, 9:30pm-12:15am. *
31.39S	9.557	XEFT	Mexico D.F., Mexico	8am-1am.
31.40	9.555		Arab Nation Radio	11-11:30am, 2-2:30pm.
31.40S	9.555		Rome, Italy	11-11:30am, 2-2:30, 3:30-4:30pm.
31.41N	9.55	GW8	London, England	4:15-4:30am, 1:30-3:15, 3:30-5pm.
31.42J	9.548	XEFT	Vera Cruz, Mexico	9am-2:15pm
31.43	9.545	MTCY	Hsinking, Manchukuo	9-11am, 5-6pm...News 9, 10:30am, 5pm.
31.43	9.545		Komsomolsk, U.S.S.R.	7:40-8:20, 10:15-10:30am (Eng.) to NA.
31.43	9.543		Gustav Siegfried Eins	10:42-11am & hourly to 10:48-11pm.
31.45	9.54	VLG2	Melbourne, Australia	8-8:45am to E.NA, 9-10am...News 8:01am.
31.45S	9.54	LKJ	Oslo, Norway	1:30-2:15, 4-7:30am, 12-1:15, 3:30-4:45, 5:30-6,
31.45S	9.54	HER4	Bern, Switzerland	7:30-9, 9:30-11pm to NA ex.Sat. /11pm-12
31.47	9.535	SBU	Stockholm, Sweden	5:20-5:35, 9-10pm to NA...News 5:20, 9pm.
31.47	9.535	JZI	Tokyo, Japan	1:30-4am to W.NA, 6:30-7:45, 8-9:15am to W.NA,
31.47	9.535	JZI	Tokyo, Japan	9:30am-12:15, 12:30-2:45 to W.NA, 7pm-10:45pm
31.47	9.535	JZI	Tokyo, Japan	to E.NA...News 2, 3, 6, 7:30, 8, 11am, 12:30, 2, 7,
31.47	9.535	JZI	Tokyo, Japan	/8, 9pm.
31.48S	9.53	WGEO	Schenectady, N.Y.	5:30pm-12 Mid.
31.50	9.523	ZRG	Johannesburg, S. Africa	4:30-11:30am approx.
31.51S	9.52	DXL13	Paris, France	12:30-2:30am, 12-4, 5:50pm-12 Mid. to N.A.

31.53	9.515	COCQ	Havana, Cuba	6:20-9am, 8-11pm
31.55S	9.51	GSB	London, England	12:15-12:45, 1-5, 5:30-7, 9:45-10am, 10:00-11:15 am, 2:45-5, 5:15-6:45, 7-10:45pm... <u>News</u> 1:05, 2:15, 3:30, 11am, 4:45pm.
31.57	9.505	JLG2	Tokyo, Japan	6:30-7:45, 9:30am-12:15, 12:30-2:45pm to NA, 3-6:30pm... <u>News</u> 7:30, 11am, 12:30, 2, 3, 6pm.
31.57	9.503		Bratislava, Slovakia	6:50-7:45pm... <u>News</u> 7pm.
31.58	9.503		Radio Metropole (Belgrade)	3:40-3:48, 9:15-9:40pm irreg.
31.58F	9.50	OAX5C	Ica, Peru	7pm-1am.
31.58	9.50	XEWW	Mexico City, Mexico	9:58am-3:45am.
31.60S	9.495	OIX2	Lahti, Finland	1-4, 6:15-6:45, 9:15-9:50am to NA, 1-2:10, 3:45-5:05, 5:45-7:05, 8:25-9:10, 11:05-11:50pm to NA
31.61	9.49	KRCA	San Francisco, Calif.	1am-1pm /... <u>News</u> 9:15am, 1:30, 6:15, 8:25pm
31.61	9.49	WCBX	New York, N.Y.	8-11:30pm.
31.61N	9.49		London, England	4-4:15, 5:45-8:45am, 12-6:45pm.
31.64	9.483	JZHA	Hong Kong, Hong Kong	7:30-8:30am.
31.64	9.482		Gustav Siegfried Eins	10:42-11am & hourly to 10:48-11pm.
31.65S	9.48		Radio Metropole (Belgrade)	2:05-6pm... <u>News</u> 3:15, 5:15pm.
31.65S	9.48		Moscow, U.S.S.R.	6-6:15, 6:45-8:40, 9am-4, 6:47-7:25pm to NA, 7:30-11pm (8-10pm to NA), 11:15pm-3am.
31.65S	9.48	CP38	La Paz, Bolivia	8-10, 11am-2, 7-11pm.
31.69S	9.47	CR6RA	Luanda, Angola	7:30-8:45am, 3:30-4:30pm
31.70S	9.465	TAP	Ankara, Turkey	10:15am-3:47 (to 4:47 irreg)... <u>News</u> 12:15pm
31.73S	9.455	GRU	London, England	11:45pm-1:15, 4-5:15, 6:45-10:30am, 2:15-2:30, 3-6, 7-10:45pm... <u>News</u> 4am.
31.80	9.435	COCH	Havana, Cuba	6:45am-1:15am. /pm
31.81S	9.43		Moscow, U.S.S.R.	12:30-3, 4:15-7:55, 9-9:20, 10-10:25, 11:30am-1
31.82N	9.428	HC2AK	Guayaquil, Ecuador	6-11:05pm. / <u>News</u> - 4:00 a.m
31.88S	9.41	GRI	London, England	3-4:30, 6:15-7:15, 8:30-9am, 12:45-6:45pm....
31.90F	9.405	OAX4W	Lima, Peru	1pm-1am approx. *
32.00J	9.37	COBC	Havana, Cuba	9am-1:15am; Sun. 8am-11:30pm
32.07	9.355	HC1BS	Quito, Ecuador	8pm or earlier to 11:30pm
32.12	9.34	OAX4J	Lima, Peru	9-10am, 1-4, 7pm-2am.
32.19S	9.32	LRS	Buenos Aires, Argentina	8-9am, 2-2:30, 5-10pm
32.38F	9.265	COCX	Havana, Cuba	6:30am-1am approx.
32.43	9.255		Bucharest, Roumania	7-10am, 3:45-5pm... <u>News</u> 4:55pm
32.64	9.19	HC2ET	Guayaquil, Ecuador	8:30am-1:30am; Sun. 9:30pm-12 Mid.
32.88J	9.125	HAT4	Budapest, Hungary	4am-5:55, 7-8:55, 9-11pm to NA... <u>News</u> 4:25,
32.95S	9.105	HI2G	Trujillo City, D.R.	7:30-9am, 2-3, 5:30-10pm. /9:20, 10:25pm.
33.03S	9.082	CNRI	Rabat, Morocco	1-4am, 2-7:45pm. *
33.13N	9.055		Moscow, U.S.S.R.	6-10:15pm. *
33.19F	9.04		Brazzaville, Middle Congo	2-2:20am, 2-3:20, 5-5:30pm. *
33.22	9.03	COBZ	Havana, Cuba	8:45am-12am; Sun. 8:45-11pm / and press.
33.48S	8.96	AFHQ	Algiers, Algeria	5:15-7:30pm approx. (Pickups for networks
33.50S	8.955	COKG	Havana, Cuba	7-10:30am, 3:15-11:30pm approx.
33.58	8.93	KES2	San Francisco, Calif.	6:15am-1pm
33.95	8.837		Dakar, Senegal	3:30-3:50, 8:15-9am, 3:15-5:15 or 6pm.
33.98	8.83	COCQ	Havana, Cuba	6:30am-12:15am.
34.48	8.70	COCO	Havana, Cuba	5:30am- 1:30am.
34.62	8.665	COJK	Camaguey, Cuba	12:30-1:30, 4:30-7, 9-9:30pm.
34.64S	8.66	WOO4	New York, N.Y.	8pm-2am.
35.44	8.465	XPSA	Kweiyang, China	7:30am-12 Noon, 5:30-6:45pm.
36.50	8.22		Dakar, Senegal	3:30-3:50, 8:15-9am, 3:15-5:15 or 6pm.
36.72	8.17		Algiers, Algeria	1:45-3:30, 11am-4:30pm approx.
37.27S	8.05		Kuibyshev, U.S.S.R.	2-6:15pm
37.34S	8.035	CNRI	Rabat, Morocco	1-4, 2-7:45pm. *
37.41	8.02	FXE	Beirut, Syria	1-4:30, 5-7:30, 9am-5pm. *
37.50S	8.00	FIA6	Douala, Cameroons	6:45-7:30am, 2:15-3:15pm.
37.81	7.935	PSL	Rio de Janeiro, Brazil	Sat. 7-8pm.
38.00	7.894	YSD	San Salvador, El Salvador	8-11:30pm
38.15S	7.865	SUX	Cairo, Egypt	1-5pm.
38.36S	7.82	WKRD	New York, N.Y.	4:45-7:30am, 5:15pm-12:30am.
38.44S	7.805	WRUL	Boston, Mass.	4-6am, 10:30pm-2am.
39.16	7.66	YNDG	Leon, Nicaragua	7-11pm (to 11:20pm Sa/Su)
39.40	7.615	YNLAT	Granada, Nicaragua	7:30-11:15pm
39.60	7.575	IRV2	Rome, Italy	3:30-4:30pm
39.60N	7.575	WLWO	Cincinnati, Ohio	3:15-5am
39.66	7.565	KWY	San Francisco, Calif.	4:45-7:05am.
39.66S	7.565	WKLJ	New York, N.Y.	7:15pm-4am.
39.68S	7.56		Moscow, U.S.S.R.	11pm-4:30, 6-7, 7:30-10:15pm.
40.00S	7.50	SU?	Cairo, Egypt	12:45-1, 2-2:15pm.
40.05	7.49	YN2FT	Granada, Nicaragua	8-11pm (to 11:20pm Sa/Su)
40.11S	7.48	XGOI	Shanghai, China	7:15-11am, 9:30-9:45pm... <u>News</u> 8am, 9:30pm.
40.21S	7.46		Moscow, U.S.S.R.	1:45-5:30, 7-7:45pm.

40.40S	7.425		Jugoslav undercover	Sun.5-8, Sat.10-11pm; 12 Mid.on irreg.
40.82S	7.35		Guayaquil, Ecuador	8pm-12 Mid.
40.87	7.34		Rangoon, Burma	2:15-4:10, 9:15am-12:30, 9:45-10:45pm.

**41 METER BAND**

40.98S	7.32	GRJ	London, England	12:30-4:30am, 3:15-6:45pm.
41.00	7.315		Vichy, France	2:45-3:45, 6-7, 8-9am.
41.10S	7.30		Moscow, U.S.S.R.	2-6:45pm
41.13	7.295	ZOY	Accra, Gold Coast	12:15-3:15pm... <u>News</u> 3pm. /9:45p
41.13S	7.295	VUD2	Delhi, India	2:25-3:10, 8-11:15am, 9-11:15pm... <u>News</u> 8am,
41.15S	7.29	DJI	Berlin, Germany	3:30-5:45, 5:50pm-12:15am
41.21	7.28	DXL25	Paris, France	3-4pm
41.21	7.28		Toulouse, France	1-2:40, 6:30-7:40am, 1:20-3:55, 5-6pm.
41.21N	7.28	VLI9	Sydney, Australia	8-8:45am to E.NA... <u>News</u> 8:01am. *
41.24S	7.275	EAJ43	Tenerife, Canarias	7:30-9am, 5-6pm.
41.27S	7.27	DXM	Berlin, Germany	12:00 Noon-8pm. / <u>News</u> 3, 8, 10:45am.
41.32S	7.26	VUM2	Madras, India	3-3:40, 7:45-8:10, 9:15-9:30, 10:45-10:50am...
41.34S	7.257	JVW	Tokyo, Japan	3-6:30pm... <u>News</u> 3, 6pm.
41.38S	7.25	KGFI	San Francisco, Calif.	11pm-12:45, 1am-1:05pm
41.41	7.245		Vichy, France	2:45-3:45, 6-7, 8-9am. /7:45am, 9:45pm
41.44S	7.24	VUB2	Bombay, India	2:15-3:10, 7:25-8:20am, 9:45-10pm... <u>News</u> 3,
41.44S	7.24	DXJ	Berlin, Germany	11:30am-4:15, 5:50pm-1:30am to NA... <u>News</u> - 12:30, 2:30, 3:30, 7, 8, 9, 10, 11pm, 12 mid., 1am.
41.49	7.23	KWID	San Francisco, Calif.	6:30am-1:05pm
41.49S	7.23	GSW	London, England	11:45pm-2:10, 2:45-3, 11:30am-8:30pm.
41.55	7.22	2R011	Rome, Italy	12:30-1, 1:40-2:40, 6:40-9:45, 11:20am-6pm... <u>News</u> - 9am, 3:30, 5pm.
41.61	7.21	VUC2	Calcutta, India	3-3:55, 6:30-6:35, 7-7:20am... <u>News</u> -3am.
41.61S	7.21		Moscow, U.S.S.R.	4-7:45, 8-11pm
41.63	7.205	CMZ1	Havana, Cuba	10am-1, 6pm-12 Mid. *
41.63	7.204		Madrid, Spain	3-6pm
41.65	7.203	YSY	San Salvador, El Salvador	8:30pm-12 Mid.
41.78S	7.18	XGOY	Chungking, China	6-7:30 7:35-9:55, 10-11:30am to NA, 11:35am- 12:30, 2:30-5pm... <u>News</u> 10a m, 12:30, 4:30pm.
41.80S	7.177		Moscow, U.S.S.R.	1-4, 4:15-7:45, 8-8:45pm.
41.87,	7.165		Makassar, Celebes	6-9:05am, 6-8, 11pm-12 Mid.
41.96	7.15	HC2AX	Vinces Los Rios, Ecuador	Tues/Sat 9:30-11pm.
41.96S	7.15	GRT	London, England	12:30-2:15, 2:30-4am, 5-7, 7:30-10:45, 10:45pm
42.00S	7.143	EAJ9	Malaga, Spain	3-6:05pm /-12 Mid.to N.A.
42.02	7.14	HC4FA	Portoviejo, Ecuador	5-11pm
42.05S	7.135		Oviedo, Spain	3-4pm.
42.13S	7.12	GRM	London, England	1-4:30, 6:45-10:30am, 3:30-4:30, 4:45-6, 10:45- pm-12:45am to NA... <u>News</u> 1:05, 2:15, 3:30am, /10:45pm, 12:30a /10:45pm
42.31	7.09	EAA9AA	Melilla, Spanish Morocco	to 7pm.
42.40	7.075		Athens, Greece	11am-4:30pm.
42.46S	7.065	GRS	London, England	1-4:30am, 4:45-6:45, 9:45pm-12 Mid... <u>News</u>
42.49	7.06		St. John, Antigua	6-6:15pm; Sun.4-4:45pm
42.65S	7.037	EAJ3	Valencia, Spain	3-6:05pm
42.74	7.02		Ponta Delgada, Azores	3-4pm
42.80N	7.01	XED1	Mexico City, Mexico	6pm-12 Mid. *
42.86	7.00	WGEA	Schenectady, N.Y.	8pm-12 Mid.
42.95S	6.98	FO8AA	Papeete, Tahiti	Tues/Fri 11:30pm-12:50am. *
42.98S	6.98		Moscow, U.S.S.R.	2-7:45pm. *
43.67N	6.87	XED1	Mexico City, Mexico	6pm-12 Mid. with 7.01 *
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
44.28	6.76	YNDS	Managua, Nicaragua	8-10am, 1-4, 6pm-12:30am.

**49 METER BAND**

45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun.6:45-7:45, Tues.11:15pm-12:15am.
45.25	6.63	HIT	Trujillo City, D.R.	1:10-2:40, 6-9:05pm
46.15F	6.50	TGWB	Guatemala City, Guatemala	9-10, 1.45-4:45, 7:30pm-1am; Sun. 11:30am-8:15, 8pm-1am. *
46.22N	6.49	HI2T	D.R.	6:30-9pm. *
46.48	6.455	COHI	Santa Clara, Cuba	7:42am-10:05pm
46.58	6.44	HI1S	Santiago, D.R.	6-8pm ex. Sun.
46.60N	6.437		Radio Resistance	2-2:20, 5-5:20pm.
46.84	6.405	TGQA	Quezaltenango, Guatemala	9pm-12:30am; Sat.9pm-2am; Sun.9-9:30
47.06S	6.375	HI9B	Santiago, D.R.	5:10-8:00pm. * /am, 8pm-4:00a
47.10N	6.37	WKTM	New York, N.Y.	12:15-5:00am.
47.10	6.37	OAX4H	Lima, Peru	Nightly to 1am.
47.20	6.357	HRP1	San Pedro Sula, Honduras	7-8:30am, 7:30-11:30pm
47.20S	6.355	IAC	Rome, Italy	11am-11:30am, 1:30-1:45, 2-2:30pm /pm
47.26	6.35	HI1X	Trujillo City, D.R.	6:30-10:15pm; Sat.6:30-9pm; Sun.8:15-10:30
47.39S	6.33	COCW	Havana, Cuba	8:55am-12 Mid.
47.39	6.33	OAX4G	Lima, Peru	Nightly to 1am.

47.50	6.315	HILZ	Trujillo City, D.R.	7-8am, 12:40-1:40, 4:55-10:45pm.
47.38	6.29	2R023	Rome, Italy	1-6pm...News 5pm.
47.88S	6.29	OAX1A	Chiclayo, Peru	7pm-12:30am.
47.77S	6.28	RCB	Leopoldville, Belgian Congo	6:55-8am, 1:30-3pm.
47.39F	6.27	YSR	San Salvador, El Salvador	7pm-12:30am.
47.96S	6.255	HJCT	Bogota, Colombia	11am-2, 7-12 Mid.
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	HND	La Ceiba, Honduras	9-11:30pm; Sun. 5-7pm
48.08	6.255	HJCF	Bogota, Colombia	7:30pm-11:30pm
48.23	6.22		Gustav Siegfried Eins	10:42-11am & hourly to 10:48-11pm.
48.23	6.22	TG2	Guatemala, Guatemala	8:30-11am, 7pm-12 Mid.; Sa. 7pm-2am; Sun. /9-9:30am.
48.23	6.22	2R025	Rome, Italy	2:40-6pm...News- 5pm
48.30N	6.212		Atlantik	4:30-5 & hourly to 1:30-2am.
48.35S	6.205	OAX3A	Huancayo, Peru	8pm-12 Mid. approx.
48.39S	6.20	DK12	Berlin, Germany	1-6:15, 10-11:30pm
48.39	6.20	CP5	La Paz, Bolivia	7:15-9am, 7:30pm-12 Mid.; Sun. 4-9pm.
48.43S	6.195	GRN	London, England	1-4:30am, 10pm-12:45am.
48.47F	6.19	HIL	Trujillo City, D.R.	1:30-3, 6:15-8:15pm
48.47	6.19	HILA	Santiago, D.R.	8:45-10am, 12:40-2:40, 8:40-10:40pm
48.47S	6.19	VUD2	Delhi, India	8:10-8:15am, 9:35-10, 11:30-11:35pm...News- /9:45, 11:30pm
48.47	6.19	KECC	Puebla, Mexico	Heard to 2am
48.47S	6.19	MGEA	Schenectady, N.Y.	12:15-2:10am, 4-6am.
48.48	6.183		Gustav Siegfried Eins	10:42-11am & hourly to 10:48-11pm.
48.51	6.185	LRM	Buenos Aires, Argentina	7-8am, 6:30-11pm
48.54S	6.18	GRO	London, England	12:30am-6:35pm...News 1, 2, 7, 12, 3, 6pm.
48.54	6.18	XGEA	China	9-10:05am (All-Chinese)
48.58	6.175	MEXA	Mexico City, Mexico	9:30am-12, 3:30-5, 6:30pm-1:30am.
48.58	6.175	HI9T	Puerto Plata, D.R.	5-7:40pm; Sat. to 11pm; Sun. to 8:50pm.
48.62S	6.17	WCBX	New York, N.Y.	11:45pm-3am. /ex. Sat...News- 9:30 p.m.
48.66S	6.165	HER3	Bern, Switzerland	1:40-2:40, 7:30-8am, 2-5:45, 9:30-11pm to NA
48.70	6.16	HJCD	Bogota, Colombia	11am-??, 5pm-12:30am.
48.70	6.16	CBPX	Vancouver, B.C., Canada	9:30am-2:30am.
48.74	6.155	CS2VD	Lisbon, Portugal	3:30-6pm
48.74S	6.155	EQ3	Teheran, Iran	2:30-4pm...News 2:50pm *
48.78	6.15	HI3C	La Romana, D.R.	5:55-7:10pm
48.78S	6.15	GRW	London, England	7-8:30, 11:45pm-3:30am.
48.78	6.15	CJRO	Winnipeg, Canada	7-10pm (to 12 Mid. irreg.)
48.78	6.15	VUM2	Madras, India	9:10-10pm...News- 9:45pm
48.78	6.15	YSPB	San Salvador, El Salvador	Nightly to 1am.
48.78	6.15	YV5RM	Caracas, Venezuela	12 Noon-3, 5-11pm; Sun. 10:30am-2, 5-11pm.
48.82N	6.145		Atlantik	4:30-5 & hourly to 1:30-2am.
48.82	6.145	HJDE	Medellin, Colombia	10:30am-11:30pm
48.86	6.14	KZRH	Manila, Philippines	6pm-9am...News 4:30-8:30am, 7, 11:30pm
48.86S	6.14	DXX	Berlin, Germany	10pm-12:45am.
48.86	6.14	HI1G	Trujillo City, D.R.	8:10-9:40am, 12:40-3:10, 4:40-10pm.
48.86	6.14	WBOS	Boston, Mass.	4-6am
48.90	6.135	FK8AA	Noumea, New Caledonia	3:30-4:30 or 6am; Sun. 1:40-2:35am.
48.93	6.132	CHNX	Halifax, N.S., Canada	8am-12:15am; Sat. 9am-12 Mid.; Sun. 1pm-12:15am...News- 7am, 5:30, 11pm. *
48.94	6.13	COCD	Havana, Cuba	9am-?, 6pm-12 Mid.
48.94	6.13	YV4RO	Valencia, Venezuela	7:30-8:30am, 5:30-10:30pm
48.98	6.125	CXA4	Montevideo, Uruguay	6-11pm; Sat. to 11:30pm
48.98N	6.125		London, England	7-8:30, 11:45pm-4:30am
48.98	6.125	MTCY	Hsinking, Manchukuo	4-8:30am
48.99	6.122	HP5H	Panama City, Panama	7pm-12 Mid.
48.99S	6.122	ZFA2	Hamilton, Bermuda	Mon/Fri 7-7:45pm. *
49.02	6.12		Gustav Siegfried Eins	10:42-11am & hourly to 10:48-11pm.
49.02N	6.12	WKTS	New York, N.Y.	2:15-5am.
49.02	6.12	YV3RN	Barquisimeto, Venezuela	12:30-2:30, 6:30-11:30pm
49.02	6.119	KEUZ	Mexico City, Mexico	10am-2, 8pm-1:10am.
49.10	6.11	CP2	La Paz, Bolivia	5-10, 11am-2, 4pm-12 Mid. /pm, 12:30am.
49.10S	6.11	GSL	London, England	10pm-12:45am to NA, 1:30-3am...News- 10:45
49.14S	6.105	HJFB	Manizales, Colombia	6-11:30pm ex. Sun; Sun. 6-11pm.
49.14	6.105	XGAP	Peiping, China	5-8:55am
49.21	6.097	HJFK	Pereira, Colombia	8-9am, 6:45-11:30pm
49.21	6.097	ZRK	Capetown, S. Africa	12:45-2:30am...News- 1am.
49.21	6.095	ZYB7	Sao Paulo, Brazil	5-10pm (Sat. to 11pm)
49.21S	6.095		German Catholic Station	12:15-12:30am, 6:15-6:30pm*
49.25	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 (Su. 1:30-2:15), 6:30-10; Sun. 6-10:15pm...News 9am, 2, 6:45, 9:06pm.
49.33S	6.082	OAX4Z	Lima, Peru	6pm-12:30am; Sat. 7pm-12 Mid.
49.34S	6.08	WLWO	Cincinnati, Ohio	12:15-3am.
49.34	6.08	CKFX	Vancouver, B.C., Canada	9:30am-2:30am.

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49.42S	6.07	GRR	London, England	11:45pm-4am, 7-8:30pm
49.42	6.07	YV5RU	Caracas, Venezuela	7:30am-?, 6-11:30pm
49.42	6.07	TIWS	Puntarenas, C.R.	8:30pm-12:15am; Sun. 3-9pm.
49.50S	6.06	WCDA	New York, N.Y.	7pm-2am.
49.50	6.06		Bangkok, Thailand	7-10:30am
49.54	6.055	HJFA	Pereira, Colombia	10am-1, 7:30-11:20pm
49.56S	6.053	CXAB	Colonia, Uruguay	6-9am, 6:15-11:05pm
49.59S	6.05	GSA	London, England	12:30-4:30am, 7-8:30pm... <u>News</u> - 4am.
49.63	6.045	XETW	Tampico, Mexico	8pm-2am.
49.66	6.04	WRUW	Boston, Mass.	2:15-6am.
49.66S	5.04	WRUS	Boston, Mass.	2-6, 6:15-7:25pm.
49.66N	6.04	COBF	Havana, Cuba	10:15a.m-12 Mid. *
49.70S	6.035	MTCY	Hsinking, Manchukuo	3-10:15am, 11-11:15pm
49.73	6.03	HP5B	Panama City, Panama	11:30am-3, 7-11pm
49.73	6.03	CFVP	Calgary, Alta., Canada	8:30am-2am. /12, 1am.
49.73S	6.03	DXP	Berlin, Germany	2-6:45, 9pm-1:30am to NA... <u>News</u> 9, 10, 11pm,
49.75	6.03	XEKW	Morelia, Mexico	9am-2, 6pm-12:40am
49.78	6.026	HILJ	San Pedro, D.R.	12:40-2:40, 6:55-8:25pm
49.83	6.02	DJC	Berlin, Germany	1:45-5:30pm to Africa... <u>News</u> - 2:15pm
49.88	6.018	HJCX	Bogota, Colombia	Heard to 8am and to 11:40pm; to 2am irreg.
49.88	6.015	HIZU	Santiago, D.R.	7:57-9:55am, 12:40-2:40, 5:40-6:40pm
49.88	6.015	PRA8	Recife, Pernambuco, Brazil	4-10pm
49.88S	6.015	CPCX	Montreal, P.Q., Canada	8am-11:15pm (Sun. to 12 Mid.)
49.90F	6.012	XEUW	Vera Cruz, Mexico	8am-2am
49.92	6.01	CJCX	Sydney, N.S., Canada	7am-2:30, 6-11pm... <u>News</u> 7, 8, 10am, 10pm.
49.92S	6.01	GRB	London, England	11:30am-8:30, 11:45pm-3:30am.
49.95	6.007	ZRH	Johannesburg, S. Africa	12:45-2:30, 11am-5pm
49.95	6.005	HP5K	Colon, Panama	8am-2, 6pm-12 Mid... <u>News</u> 7, 9:15, 11pm.
49.96	6.002	ZOY	Accra, Gold Coast	8:30-7:15am, 12:15-3:15pm... <u>News</u> 3pm.
50.00	6.00	XEBT	Mexico City, Mexico	11am-1:30am... <u>News</u> 8:45pm, 1:20am.
50.00	6.00	ZFY	Georgetown, Brit. Guiana	6:40-8:45, 10:45am-12:45, 3:15-8:20pm. ... <u>News</u> - 7am, 12, 3:45, 6:45pm.

50.13N	5.985	WKRD	New York, N.Y.	12:45-4:30am.
50.21	5.975	OAX4P	Huancayo, Peru	10pm-12 Mid.
50.23	5.972	HCIQRX	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... <u>News</u> 5:30pm
50.26S	5.968	HVJ	Vatican City,	2:30-4:30pm. approx.
50.38	5.955	HH2S	Port-au-Prince, Haiti	8am-Noon, 8-10:40pm; Su. 1-3pm.
50.47	5.945	ZRD	Durban, So. Africa	12:45-2:30, 7:30-8:10, 11am-5pm
50.51	5.94	OAX2A	Trujillo, Peru	9am-12:30am.
50.54S	5.93	OAX4V	Lima, Peru	1pm-1am.
50.59	5.93	PJC1	Willemsted, Curacao	9-9:15am, 12:30-1:30, 7:45-10:20pm
50.85	5.90	LRS1	Buenos Aires, Argentina	5-11pm
50.90	5.89		Moscow, U.S.S.R.	24 Hours daily approx.
51.00	5.882		Capetown, S. Africa	12:45-2:30am
51.07	5.875	HRN	Tegucigalpa, Honduras	7pm-12 Mid. (Sun. to 10:45pm)
51.19S	5.86		Lisbon, Portugal	1:45-6pm
51.28	5.85		Santiago, B. I.	7:40pm-12 Mid.
52.17	5.75	YNJAT	Leon, Nicaragua	8-11:20pm
52.40	5.725		Quito, Ecuador	9-11pm ex. Sun.
52.45	5.72	MTCY	Hsinking, Manchukuo	8-11am.
55.15S	5.44		Moscow, U.S.S.R.	6-6:45, 6:48-7:25pm to NA, 7:30-8:45pm.

## 60 METER BAND

60.36	4.975	HJAG	Barranquilla, Colombia	12 Noon-12 Mid.; Sun. 12 Noon-9pm.
60.42	4.965	HJAE	Cartagena, Colombia	8am-7, 8-11:30pm
60.67	4.945	HJCW	Bogota, Colombia	7:30-9am, 8:30pm-12 Mid.
60.73	4.94		China,	9-9:50am
60.92	4.925	HJAP	Cartagena, Colombia	10am-2:30, 8-11:15pm ex. Sun.
60.98	4.92	YV5RN	Caracas, Venezuela	5-11:30pm
61.29	4.895	HJCH	Bogota, Colombia	12:30-3, 7pm-12 Mid.
61.42	4.895	HJDP	Medellin, Colombia	9am-2, 7pm-12 Mid.
61.48S	4.88	VUB2	Bombay, India	9-9:15am, 10-10:15am... <u>News</u> 9am.
61.54	4.875	HJFH	Armenia, Colombia	9am-12 Noon, 7-11:30pm
61.67	4.865	PRC5	Belem, Para, Brazil	6-9:05pm
61.67	4.865	HJEX	Cali, Colombia	7-11pm
61.78	4.865	HJCA	Bogota, Colombia	To 11pm or 12 Mid. /8, 10:50am
61.98	4.84	VUC2	Calcutta, India	8-8:10, 9-9:10, 10-10:15, 10:15-11am... <u>News</u> -
61.98	4.84	YV1RZ	Valera, Venezuela	12:30-2, 6:45-10:30pm
62.11	4.83	YN2RN	San Cristobal, Venezuela	12:30-1:30, 7-10:30pm ex. Sun.
62.18	4.825	HJED	Cali, Colombia	8-11:30pm
62.24	4.82	XEJG	Guadalajara, Mexico	11pm-12 Mid.
62.31	4.815	HJBB	Cucuta, Colombia	Signs-off at 12 Mid.
62.33	4.81	YV1RL	Maracaibo, Venezuela	12 Noon-2, 5:30-11:30pm
62.33F	4.81		Saigon, Indo China	7-9:30am, 7-7:50, 11:45pm-12:15am.