

APRIL
1942

THE GLOBE CIRCLER

COMPLETE GUIDE-BOOK FOR SHORT-WAVE LISTENERS



AL ST. JOHN, NBC'S FOREIGN CORRESPONDENT IN LONDON

IN THIS ISSUE--Complete list of Foreign Correspondents
for U. S. Networks. See Page 5

INTERNATIONAL DX'ERS ALLIANCE

SHORT WAVE NOTES

EDITOR-IN-CHIEF--CHARLES A. MORRISON

ASSOCIATE EDITORS: Robt. Skyten, J. Wilson, August Balbi, Roger Legge, Ray Simpson, Mrs. A. B. Allen, W. W. Lyerly, James Hart, Murray Soplop.

PRESS DEADLINES: For MAY GLOBE CIRCLER, April 15; for MAY STOP PRESS SHEET, April 29.

SHORTWAVE NOTES FOR THE GLOBE CIRCLER: During the present emergency shortwave information has become doubly important. We need plenty of notes. Please submit your items as follows- when possible: Use one side page only...Double space all lines...Group items by continents...Be sure to state time used. We are particularly interested in items pertaining to: NEW stations; changes in frequency, or schedule; times for newscasts in English, or other languages; times of peak reception for the weaker stations or those of timely war interest; identifying signals; any detailed authentic information concerning station schedules, addresses, power etc. It is important 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 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

U. S. NETWORK FOREIGN CORRESPONDENTS.

ADAMS, John B. (CBS)- Rio de Janeiro	LESUER, Larry (CBS), Moscow, U.S.S.R.
AGRONSKY, Martin (NBC)- Sydney	MACKAY, Edward H. (NBC)- Probably inter-
ALBRIGHT, Sidney (NBC)- Australia	MACVANE, John (NBC)- London/ ned Shanghai
ALLEN, Robert F. (NBC)- Mexico City	MAGIDOFF, Robert (NBC)- Moscow, U. S.S.R.
ANDERSON, David M. (NBC)- Stockholm	MANN, Arthur (MBS)- London, England
ARCHINARD, Paul (NBC)- Vichy, France	MANTILLAS, Jorge (CBS)- Quito, Ecuador
BAUMAN, Everette A. (NBC)- Buenos Aires	PARKER, Fred W. (CBS)- Panama City
BJORNSON, Bjorn (NBC)- Reykjavik, Iceland	PARR, Grant (NBC)- Cairo, Egypt
BRENNAN, Peter (NBC)- Panama City	O'CARROLL, W.A.- (MBS)- Sydney, Australia
BREWER, Sam (MBS)- Cairo, Egypt	RALEIGH, John McCutcheon (CBS)- Darwin
BROCK, Mary (NBC)- Ankara, Turkey	ROSS, Stanley (NBC)- Caracas, Venezuela
BROWN, Cecil (CBS)- Enroute to New York C.	ST. JOHN, Robert (NBC)- London, England
BURDETT, Winston M. (CBS)- Ankara, Turkey	SLOSBERG, M.K. (NBC)- Sydney, Australia
CHORLIAN, Edward (CBS)- Cairo, Egypt	SMITH, Howard K (CBS), Berne, Switzerland
CLARK, Herbert M. (CBS)- Buenos Aires	SILEN, Bert (NBC)- Probably interned in
COLLINGWOOD, Charles (CBS)- London	SILVA, Josephine (CBS)- San Juan/Manila.
CRAWFORD, Jean Anne (NBC)- Bogota	STEELE, John (MBS)- London, England
CUHEL, Fred (MBS)- Australia	STINES, Norman Jr. (CBS)- La Paz, Bolivia
DAVIS, Hassoldt (NBC)- Brazzaville	TENNELLY, Dick (NBC)- Probably interned
DORVILLIER, Wm. (NBC)- San Juan, P.R.	TROUT, Bob (CBS)- London. /in Tokyo
DUNN, Wm. J.- (CBS)- Australia	WAHL, Jim (NBC)- Honolulu, Hawaii
EDWARDS, Webley (CBS)- Honolulu, Hawaii	WILLS, Walter R (CBS)- Probably interned
FOLSTER, George (CBS)- Sydney, Australia	/in Tokyo
FORMAN, Harrison (NBC)- Chungking, China	WILKINS, H. Ford (CBS)- Probably under ar-
FENDELL, Jack (CBS)- Bogota, Colombia	/rest in Manila.
GARCIA, Alexander (CBS)- Havana, Cuba	WINANT, Clinton (CBS)- Vichy, France
GASKILL, Gordon (NBC)- Brazzaville	WORTHIAN, Thomas (CBS)- Probably under
HATCHITT, Reece (NBC)- Rio de Janeiro	ZEA, James (CBS)- Mexico/ arrest in Manila
HUNT, Jack Starr (MBS)- Mexico City	WHAITE, Franklyn (CBS)- Caracas, Venezuela
LANIUS, Charles (NBC)- Bern, Switzerland	ZEPPEP, John (CBS)- Asuncion, Paraguay.

(Eastern War Time)

SHORTWAVE NOTES

(Eastern War Time)

NORTH AND CENTRAL AMERICA

- ✗ What is believed to be a Nazi transmitter somewhere in the Caribbean area, is being heard on various frequencies in the 40-M band, 6-6:30pm (Thomas-E)
- ✗ ALASKA K7HXB heard working W2XYM on 12.88mc, at 9pm (Allen-Calif)
- ✗ ANTIGUA "Radio Antigua" (7.063), often deliberately jammed, broadcasts in French 6-6:18pm; music 6:10-6:22pm, then signs-off after announcement (*Hart, Legge-E)
- ✗ BAHAMAS ZNS2 (6.09), operates Sun. to 11:20pm; daily English news at 9am, 2:15, 6:45, and 8:45pm (*Krumlinde-Calif)
- ✗ BERMUDA ZFD (10.335), heard contacting WNB at 9am & 2:05pm (Ferguson, Allen-E)
- ✗ CANADA CBC English news is broadcast at 7am over CJCX (6.01), CHNX (6.132); at 7:30, 8 & 9am over CBFY (11.705), and over CBFW (6.09) at 11pm (CBC, Hankins-E)

...CFRX (6.07), Toronto, lkw, verifies with a card carrying picture of Ontario's Parliament Building (Ferguson-NC)

C.R. TIJMP (11.90), "Radio La Tribuna", Apartado 849, San Jose, verifies with a folder card; relays "Radio America Latina" (690kc); operates mornings 8-9:30am, or later (*Legge, Simpson, Lysterly)...TI4NRH, Heredia, has moved to 9.86 mcs.; same schedule (*Balbi, -W, Wedewer-C)

CUBA COBC has moved to 9.70 where it qrms WRUL badly; signs-off at 12:30am. (*Balbi-W, Roberts-C, Lysterly-C, Hankins, Allen-E)...COCH (9.485), broadcasts news in English at 7:45pm (*Balbi-W, Becker, Payette-E)...COK (11.62), opens & closes with the Peanut Vendor; gives news at 1,4:30,7,10pm (*COK)...COCQ may often be heard on 9.505, in parallel with 8.83, near sign-off at 2:15am; signature selection is "Siboney" (*Hankins-E)

D.R. HIL? (6.78), "Emisora Nacional", Ciudad Trujillo, heard to 9:30pm (Stark) ...HILJ (6.026) has power of 250w (Cushen-NZ)...Address for HILL (6.485), is "Radioemissora Nacional", El Diario, Apt.356, Santiago (Wedewer-C)

GUATEMALA TGWA-B use selection "My Country T'is of Thee", as well as "El Ran chito", now in sign-off (CAM)...TDA (11.4), Guatemala, lkw, heard 7-8pm foning XDAL

HAITI HH2S (5.947) broadcasts an English request program Wed.9-10pm (NRC)... An airmail report to HH3W (10.13), was returned by censor marked "Radio communication forbidden, duration of war" (*Field-Calif.)

HONDURAS NEW: HR- (11.705), Tegucigalpa, heard 8-10:30pm irreg. (Balbi-W)...HRN (5.875), signs-off in English requesting reports- especially from Alaska & Northern Canada, saying all reports with return postage will be verified promptly.

MEXICO Address for XBBH (10.05), is Banco Nacional de Mexico, S.A., Isabela la Catolica 44, Apartado 14 bis, Mexico D.F.; verify promptly (Stark-C, Starr-E)...

XFJG (4.82), Guadalajara, 200w, is a new station operated by Gobierno del Estado de Jalisco (*Legge-E)...XETG? (9.557), 37, Ave. Uruguay, Apartado 7451, Mexico DF, is still testing evenings (*Balbi-W, Roberts, Legge-E)...NEW: XE?? (9.65), Morelia, heard throughout evening. 3 tone beats precede identification. A 3 pip time sig is given every half-hour (Stark-C)...XEQQ (9.68), gives Spanish news 1:45-1:50am then chimes, "Song of India", and close-down at about 1:57am (*Hankins-E)...Jack Starr Hunt, reports to MBS, over XEWW (9.50), Thur. at 9:15pm (*Allen-E)...Fones heard contacting each other 6-8pm: XDAL (10.59), Mexico D.F., XFIF (7.692), Guadajajara; XFIN (8.571), Merida; XFIT (10.425), Tapachula; XFIU (7.84), Veracruz (Legge)

NICARAGUA YNRS, Managua, now operates on both 8.585 & 6.76 mcs (*Legge-E)...YN2FT (7.49), verified with grey-black card showing his foto & a sultan holding a torch. Slogan is "La Voz de la Sultana", and power is 40 watts. Owner is Jose F. Tercero (*Wedewer-Iowa)

PANAMA HP5G (11.78), broadcasts English news 9:30-9:35am (*Allen-E)

ST. KITTS ZBB (9.95) heard calling ZJA, Georgetown, Brit. Guiana, at 7:30am (*Legge)

U.S.A. It is again rumored, but not definitely confirmed, that the U.S. Gov't. will take over U.S. shortwave stations for the duration...Former Philippine com. frequencies, KBK (6.732), KUS (18.22), KAX (19.98), KBI (21.14), have been re-assigned to RCA at Bolinas (FCC)...RCA has reopened communications with Dutch East Indies, via Medan, Sumatra (probably YDX- 7.22); also has opened a circuit with Noumea, New Caledonia (RCA)...Press Wireless, Los Angeles, is testing on KGT9 (15.58), KCI2 (10.34) or KJE9 (10.75), approx. 6-7:30pm, on KGT3 (6.92) or KJEB (9.39), approx. 9-10am; Press Wireless, Hicksville, N.Y., tests on WCB (15.58) irreg. (*Picard-W, Stark, Juett-C, Ferguson, Beyer, Unger, Allen, Payette, Hankins-E)...KGEI (7.25), broadcasts in parallel with any of the following: KEN (6.94), KEL (6.86), KEB (6.89), KEJ (9.01) or KEZ (10.4) (Wilson, Newell, Hankins-E)...The 100,000 watt transmitter for new San Francisco station KWID, Associated Broadcasters, Inc., is now being installed by G.E. engineers. Studios will be in the Hotel Mark Hopkins (**GE)...See list for revised skeds for WCBX-WCRC-WCDA...WGEA-WGEO now operate: WGEA (15.33), 9am-6:30pm to Europe, WGEA (9.55), 7pm-1am to SA, WGEO (9.53), 5:00-11:45pm to SA, WGEO (9.53), 12-1am to Europe (WGEO-Hankins, Wilson-E)...See List for slight changes in WLWO schedule...See list for revised schedules for WRUL-WRUW-WRUS...WRUL Radio Code School is now heard Mondays 7-8pm on 6.04, 9.7, 11.73 mcs. New course has just started. Enrollment fee and instruction pamphlet \$1.50 (Chamberlain-WRUL)...WRUL (6.04), sends a newsletter transmission to Australia, Wednesdays, 11:45pm-12:45am (*Balbi-W)...Broadcast station WILL (580), Champaign, Ill., still broadcasts "Ham Forum", Sat. at 2:15pm (W9IAW).

SOUTH AMERICA

ARGENTINA Amateur LULDA still heard on 20 and 40 meters irreg. (*Soplop-E)

BOLIVIA CP31 (6.00), "Radio Patria", La Paz, 50 watts, is new station licensed (Legge-E)...Station just under XEWW on 9.495 very weak early evenings may be CP6, La Paz, as he mentioned Radio Illimani once (*Roberts-C)

BRAZIL Sao Paulo on 6.095 now announces as PYD7 (*Legge-E)...PYD8 (11.765),

- not heard for some time (Balbi-W)...Com., FTG (11.675), broadcasts to WQD, Mondays 7:15-7:35pm (Newell-E)...PSF (14.69), heard Tues. at 7:30pm with music program.
- × BRIT. GUIANA ZFY (6.08), verifies with small red, white & black card; has program "Local News and Views" on Fridays at 5pm (Wedewer-C, Ferguson-E)
- CHILE CB970 (9.73), heard as early as 8pm (Gozen-E)...NEW: CB1190 (11.96), on with powerful signals 9-10:30pm; interval signal is a gong (**Stark, Lyerly-C)
- COLOMBIA HJCF is back on 6.075 (*Legge-E)...HJCW (4.945), operates 7:30-9am (Lyerly-C)...HJED (4.825), Cali, signs-off at 11:30pm with "Goodnight Song"; interval signal is 3 chimes (Wedewer-C, Field-W)...NEW: HJEX (4.865), "Radio Pacifico", Cali, is heard nightly 7-11:45pm (**Legge-E)
- × DUTCH GUIANA PZX5 (15.39) and PZX3 (5.946), broadcast news in Dutch at 7:30pm; address for reports is Algemeene Vereeniging, Radio Omroep, Suriname (AVROS), P.O. Box 150, Paramaribo (*Allen, Payette, Voisich, Hart, Ferguson, Unger, Legge, Mann, Starry, Borchardt-E)
- ECUADOR HCB (7.04), heard twice near mid. calling "Allo Quito" and playing recordings (Roberts-C)...HCJB (12.455), opens mornings at 7:45am, broadcasts evenings approx. 4:30-10:45 (Sat. to 11pm); rebroadcasts WBOS English news at 7pm; has program in native Indian language Sun. 5:30-6pm (*Beyer, CAM-C, Stark-C, Hankins, Payette-E)...NEW: HC2NS heard to 10:45pm on 7.08. At 10:45pm moved to 7.055 mcs; signed off at 11pm (**Allen-E)
- PARAGUAY Official list shows the following Asuncion stations: ZPA1 (6.07), 3kw, owned by Paraguayan Govt.; ZPA2 (11.721), ZPA6 (7.89), ZPA7 (15.78), ZPO3 (13.333), all 5kw, and owned by Teleco Paraguaya, S.A. (**Legge-E)
- × PERU OAX4K reported both on 9.558 & 9.71. Which is correct? Ed.
- URUGUAY Amateurs CX2CO and CX2AC still heard on 20 M irreg. (Soplop-E).....
- CXAB (9.64), opens nightly at 7pm (Gozen-E)...CXA 21 (6.17), "Radio Fenix", lkw, Montevideo, is new station licensed (**Legge-E)
- VENEZUELA YV1RL (4.81), verifies with attractive new blue-white pictorial card (Stark-C)...A harmonic of YV1RV (4.747) is sometimes heard on 9.495 (Legge-E)... "Radio Tropical" on 10.08 irreg. is YV5RW, Caracas (Stark-C)... "Radio Tropical" on 10.08 is YV5RA (Wedewer-C) - Which is it? - Ed.

AFRICA

- × ANGOLA CR6RA (9.47), very well heard 3:30-5pm; lady announcer; signs-off with Portuguese anthem, followed by clock striking 22 times (*Hart, Payette, Soplop-E)
- ALGERIA The code grm on TPZ (12.12), is from ZNR, Aden (Lyerly-C)
- × BECHUANALAND ZNB (5.89), starts program with 3 dots and a dash for "V" for Victory; broadcast market reports in English at 1:30am; English news at 2:15am (*Allen-W, Hankins-E)
- × BEL. CONGO When conditions are good OQ2AA (15.175), can be heard relaying OPM, 2:45-3:45pm; signs with "La Brabaconne", Belgian anthem (*Allen, Hart, Soplop-E)
- × EGYPT NEW: "Radio Cairo" (5.985), heard daily approx. 3:30-4:30pm. At 4pm a clock strikes ten, followed by English announcement, "This is Cairo, the Egyptian Broadcasting Co. Then follows the news in English; news in French at 4:15pm (**Simpson-Australia)...What is believed to be SUV (10.055), is being heard to 3pm (*Ferguson)...SUV (10.055), is now making an English announcement at 3pm (MA)
- × ETHIOPIA "Radio Addis Abeba" (now on 9.625), now on the air again daily 10:15-11:35am; news in Italian 11am; in French at 11:15am; English identification at sign-off; interval signal is one chime. The station is operated by a British lieutenant under O.E.T.A. (Occupied Enemy Territory Administration), in co-operation with H.I.M., the Negus. Broadcasts are made in English, French, Greek, Italian, Arabic, Gallinya and Amharic (**Simpson-Australia, BBC)
- FREE-FRENCH AFRICA (Middle Congo) - FZI (11.97), now heard with excellent strength, overriding CB1180 (11.975) (Lyerly, Beyer-C, Payette, Andrade-E, Field-W)
- × KENYA VQ7LO (6.06), now operates: Daily ex. Sat/Sun, 6:45-7:15am, 12:30-3:30; Tues/Thurs 9:30-10:30am; Sat. 6:45-7:30am, 12:30-3:30pm; Sun. 12-3pm (*Simpson)
- MOZAMBIQUE CR7BE (6.17) & CR7AA (6.035), are heard 1-3pm (*Fern-Hawaii)...CR7BD, now on 15.247, just a hair below WLWO, can often be heard in parallel with CR7BE (9.84), 3-5pm; English news at 4pm (**Mann, Becker, Soplop, Unger, Ferguson-E)
- × SENEGAL FGA (9.41), generally signs-off now at 4:30pm (*Soplop-E)
- × SO. AFRICA So. African stations poorly heard in general. ZRL (6.007), sometimes heard 12:45-2:45am, in parallel with ZNB. ZRD (6.15), heard on some schedule irregularly. Transmission opens with setting-up exercises. Clock strikes at lam (Field, Krumlinde-W, Soplop, Hankins-E)
- × SPAN. MOROCCO EA9AA (7.09), Tetuan, heard daily to 6pm, or later. Does not relay the Radio Nacional de Espana program (**Legge-E, Borchardt-C)

EUROPE

- × ALBANIA ZAA, Tirana, reported on air and operating on 7.864 (Burton-England)
- × ANDORRA Radio Andorra, is now operating on 6.22 mcs. (Burton-England)

BOHEMIA DHE4A (11.84), uses the same fish horn signal as when the station was under Czech control. Heard well coming on air at 4:30pm (Soplop-E)

ENGLAND London now broadcasts to NA about as follows: 6:57-8:30am over GRY (9.60); 8:45-11:15, 11:30am-12:30pm over (NEW) GRE (15.375); 3:30-5pm over GRG (11.68); 5:15pm-12:45am over GSC (9.58); 5:15-9:45pm over GSD (11.75); 10pm-12:45am over GSL (6.11)...NEW: GRM (7.125), operates to 12:15pm. See list for other BBC changes (*Wilson, Hankins, Gozen, Soplop, Unger, Legge, Roberts, Ferguson-E, Balbi, Pichler, Field, Hodge, Picard-W)...Anti-British "New British Broadcasting Station", heard on 7.275, 4:45-5:55pm (**Allen-E)

FINLAND OFE (11.785), OFD (9.495), heard giving additional English periods, 8:15-9pm (news at 8:20pm), 10-11pm (news at 10:15pm), and 12:30-1am (news at 1230 am) (Balbi-W, Becker, Borcherdt-C)...OFE (11.785), heard irreg. 5-6pm (Allen-E)

FRANCE "Paris Mondiale" (11.385), broadcasts 2-5:10pm; signs-on again at 5:50 pm as DXL7 with Berlin program to NA. (**Wilson, Lebouef, Allen-E)...Vichy Radio operates 7:30-8:15am to NA, 8:30-9:15, 9:30-10:15am on 17.765 not 17.855 (Lebouef) ...Vichy broadcasts to NA, on 9.52, 9-10pm; in English 9:40-10pm (*Gozen-E, Beyer, Lyerly-C)...New official song of Free France is "I'm a Soldier of DeGaulle".

GERMANY The "German Revolutionary" station (9.64) is now heard 3-8:20, 4-4:20 & 5-5:20pm (**Wilson, Allen-E)... "Gustave Siegfried Eint" heard on 9.485, 5:52-6 pm (*Hart-E); heard on 9.543, 7:52-8pm; uses two measures of a German hymn to open & close transmissions (*Newell-E)...Berlin's transmission to NA is now as follows: 5:50pm-12 mid. over DJD (11.77), DXCZ (11.74), DZD (10.543), and DXL7, in Paris (11.885); 5:50pm-2am over DXJ (7.24), DXP (6.03), and DXL24, in Paris (9.62) (**Wilson-E)...DXZ (9.57), Warsaw, broadcasts 1:30-4pm, with English news at 1:30, 2:30, 3:30pm (Wilson, Allen, Soplop-E)...Station on 18.7, probably DFQ, heard R9 at 3pm with broadcasts in Arabic (*Legge-E)... GREECE-- Athens? (7.08), heard 5:15-6pm or later, with recorded folk music and German announcements (Borcherdt-C)...

ICELAND TFJ (12.235), Reykjavik, is on the air Thurs. approx. 7-7:30pm, when NBC picks up report by Bjorn Bjornson (Herz-C)

ITALY Rome now broadcasts to NA: 9am-12 noon over 2R04 (11.81), 2R03 (9.63); 1-2:30pm over 2R06 (15.3); 8:30pm-12 mid. over 2R03 (9.63), 2R04 (11.81), 2R0- (11.95); English news at 1, 8:30, 10:30pm (**Gozen, Hankins-E, Beyer, Lyerly, CAM-C, Field, Balbi-W)...News in English is also heard at 3, 5:15, 6:20pm over 2R06 (15.3) 2R04 (11.81), 2R03 (9.63)...Rome now broadcasts to SA: 7-9:25pm over 2R018 (9.76) (**Balbi-W, Allen-Unger-E)...According to 2R0 the station on 15.06 (not 15.07), is 2R021 (*Becker-E)...Additional Rome frequencies used irreg: 2R016 (21.51) 2R010 (15.10), 2R02 (6.93), 2R01 (6.035) (Fern-Hawaii)...The undercover Italian on 11.915 identifies as "Parla Italia Radio", and at sign-off as "Estacion Libertina"

JUGOSLAVIA YUC (9.505), generally heard 4-4:30, 6-8pm; man & woman announcers; interval signal playing of horn or flute; qrm'd by XEWW (**Borcherdt-C, Soplop-E)

PORTUGAL CSW7 (9.735), sometimes broadcasts English commentary at 8:30pm (*FM)

ROUMANIA "Radio Bucuresti" (now about 9.25), uses piano note identification signal very similar to that used by Berlin stations (*Soplop-E, Ferguson-E)

SPAIN Unidentified station on 7.03 (not 7.025), heard to 5:20pm, may be Radio Nacional, Madrid. Unidentified on 7.095 (not 7.100), heard to 6:30pm. Another weak unidentified Spain station is heard on 7.26 to 7pm (*Legge-E)... "Radio Silva" (7.205), Madrid, gives Spanish news & lists of soldiers 4:45-5:30pm (MA-E)

SWEDEN Reception reports should be sent to Legation of Sweden, Washington DC.

SWITZERLAND Berne broadcasts to N.A.: 9:45-11:15pm. Carrier on at 9:30pm; from 9:40-9:45pm, the 7-note chime signal is repeated over and over; from 9:45-10pm, Swiss music; at 10pm the following English announcement, "Good Evening Ladies and Gentlemen, you are listening to the overseas service of the Swiss Broadcasting Corp. on a frequency of 9.535 (HER4), then follows the news in English; announcer is a lady (**Heflin-C, Ferguson, Allen, Newell, Becker-E, Picard-W)...HBO (11.402), heard in parallel with HER3 (6.165) irreg. at 2pm (Allen-E)...HER3 (6.165), broadcasts news in Swiss at 4:50; in French at 4:55pm (Allen-E)...HER5 (11.865) broadcasts to S.A. 7:45-9:15pm (**Balbi-W)

U.S.S.R. The official sked for "Radio Kuibyshev", effective Feb. 20, follows: 12:15-1am on 7.135; 12-12:30, 1-3:30, 7-10:50am (Eng. at 1, 8:50, 9:30am) on 10.04; 8:50-9:15am (English) on 14.4; 11am-6:30pm (Eng. at 4pm) on 8.05; 2-5pm (Eng. at 4pm) on 7.205; 1-4pm on 6.94 mcs. (**Soviet Embassy, Legge, Field)...Komsomolsk (9.567), heard 8:45-9:11am using a 9 note bell-like chime as interval signal before start of program at 9:11am (Roberts-C)...Khabarovsk is broadcasting the same transmissions on 5.92, formerly heard on 6.05 (*Balbi-W)...Unknown Soviet on 9.955, heard 1-4p (possibly Kuibyshev replacing 6.94) & evenings in parallel with 5.89 (*Allen-E)...Other Soviet frequencies heard irreg: 11.724, 15.5, 9.585, 9.545, 7.2, 6.83, 6.98, 6.08 mcs. (Ferguson, E, Fern-Hawaii)

VATICAN CITY HVJ (9.66), now broadcasts to NA, Sun/Thurs 9:30-9:45pm in English (**Hart, Gozen-E)... HVJ (15.12), now operates 10:30am-lpm, or later. (*Hankins, Ferguson, Allen-E, CAM-C)

ASIA AND OCEANIA

AUSTRALIA 2 New 10 kw xmtrs. should be in operation in July; a new 50 kw xmt. in September. Location is southern Victoria. (NZDXC)

AUSTRALIAN SW STATIONS		VLR2 6150	Sydney	VLQ6 9580	VLW 6130
Melbourne	VLG6 15230	VLR3 11880	(10 kw)	VLQ7 11880	VLW2 9650
(10 kw)	VLG7 15160	VLR4 15230	VLQ 9615	VLQ8 17800	9560
VLG 9580	VLG8 9680	VLR5 21540	VLQ2 11870	VLQ9 7250	9615
VLG2 9540		VLR6 11830	VLQ3 15315	VLQ10 9590	VLW3 11830
VLG3 11710	Melbourne	VLR7 11840	VLQ4 17840		VLW4 9665
VLG4 11840	(2 kw)	VLR8 11760	VLQ5 9680	Perth	
VLG5 11880	VLR 9580	VLR9 11850	VLQ6 11830	(2 kw)	(**Legge-E)

Melbourne now broadcasts: 3:45-8:30am- VLR; 3:30-7:15- VLR8; 9pm-3:15am- VLR3.. 12:55-1:40am (to W.NA)- VLG3 & VLQ2; 2:55-3:25am- VLG; 3:45-4:45am- VLG6; 5-7am -VLG5; 7:25-8:10am (to E.NA)- VLG2 & VLQ9; 9:15-11am (to S.E.Asia)- VLG2 & VLW2 (9.615); 10:25am-11:10am (to W.NA)- VLQ5 (9.58); 11:25-11:55am- VLG7; 3:30-5:10 & 9pm-1:40am- VLG5 (**Balbi, Field, Fisher, Krumlinde-W, CAM, Stark-C, Ferguson, Wilson, Newell, Unger, Becker, Juett, Hankins, Allen-Hart-E, Fern-Hawaii, Cushen-N.Z.)

✓ BURMA XYZ (6.007), last reported Mar. 3, heard then 8:30-9:13am, broadcasting messages to relatives & friends from residents of Burma (**Balbi-W)

CHINA NEW: Believed in Shanghai, first heard Mar. 17 on 11.87, 9:45-10:15 am, broadcasting greetings from Aussie prisoners of war to folks in Australia, in English (**Balbi-W)... XGOY's broadcast to South Seas now heard 8:20-9:55am, on 11.90 (**Hart-E). XGOY (11.9), tests to NA, 8-10pm irreg (*Ong-W, Becker-E). XGOY (11.90) has news in English at 4:25am (Fern-Hawaii). XGOX (15.2), heard broadcasting to Europe, 5:30 -6am, with English news at 5:35am (*Fern-Hawaii)... XGRI (9.66), Shanghai, now operates 7-11am; English news at 8:10-10:10am (**Balbi-W)..

✓ FR. INDO-CHINA On March 19, "Radio Saigon" moved back to 11.775, discontinuing the test transmissions on 10.23, which were unsatisfactory (**Balbi-Calif.)

✓ HONGKONG Jap controlled Radio Hongkong (9.525), is still operating 8-10am, with English news at 9:15am (**Balbi-W). Heard very loud at 8am (Becker-Michigan)

INDIA VUD3 (9.59), VUD4 (11.83) still heard very good at approx. 8-9am; English program summary & commentary 8:15-8:30; English news at 8:30-8:40am; local news in English at approx. 8:50am; News in Hindustani 8:40am (**CAM-C, Becker, Payette, Soplop, Ferguson, Hankins-E)... VUD4 (11.83), VUD3 (9.59), VUD2 (7.29) often heard coming on air at 10pm; news in English at 10:30pm, fade-out so after (*Borcherdt-C, Becker-E, Allen-W)

JAPAN An unidentified Jap station on 5.75, is being heard daily 8-10am (Balbi-W)... JLG (7.285), is being heard mornings to 9am (CAM-C, Simpson-Australia) ... JLG3 (11.705) is being heard approx. 1-2:30am (Field-W)... JLG4 (15.105) heard signing-on at 4am, news in German at 4:05am (Fern-Hawaii)... JZI (9.535), now carries the European transmission 3-6:30pm, with JLT (6.19) (*Krumlinde-W, Fern-TH) ... JLG4 (15.105) is occasionally replaced by JZK (15.16), in the N.A. broadcast, 6:55-9:30pm (*Under, Hart, Allen-E, CAM, Heflin-C, Balbi-W).

✓ MANCHUKUO MTCY broadcasts 1:30-3am now on 11.775 only. Commercial station TDE (10.05) does not carry the transmission at present. Other commercial frequencies are: TDD (5.83), TDF (5.97), TDA (6.762), TDG (7.57), TDH (13.53), TDC (13.98), TDI (15.905) (**Balbi-W, Fern-Hawaii)... NEW: MTCY on 5.72, is being heard 9-10am irreg. (*Balbi-W)... MTCY (9.545), announces at 9:30am, "This is the Voice of Manchukuo at Hsinking." Topical talks in English are given at approx. 9:30 and 9:50am. Station is covered by XEFT at 10am (**CAM-C)

✓ N.E.I. PMA (19.345), last heard Feb. 28, 8:40-9am (**Ferguson-E)... All Bandoeng stations are off air since occupation of Java, however it is believed YDX (7.22), Medan, is still on the air since at time of writing that part of Sumatra is still in Dutch hands. On March 11. RCA Com. re-established contact with the NEI by way of Medan, Sumatra; possibly they are using YDX transmitter. (RCA)

✓ P.I. Two transmitters, KZRH (9.64) and KZRF? (6.145), are now being operated by the Japs, from some unknown location, daily 6-10am (according to the mag. TIME Gen. McArthur's troops on Bataan are using the old KZRH transmitter)... The KZRH-KZRF programs (loud in volume but very poor in quality), follow approximately this formula: 8-8:30am- broadcast in tagalog by woman; 8:30-9am classical music; 9am- close-down; 9:15am- on air again and man announcer states that "this is a program for the U.S. troops on Bataan", then follows the "Under the Double Eagle" March, and several jazz recordings to 9:30 a.m. when the news in English (pro-axis stuff) is given, more music and sign-off at 10am, or later. At close-down and as an interval signal 4 chimes, similiar to- (Turn to Page 3

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 TIME.	
13 METER BAND								
13.86S	21.84	GRZ	London, England	7:15-7:45, 8:15-9am				
13.92	21.55	GST	London, England	9:45-11am to S.A.				
13.97	21.47	GSH	London, England	6:57-11:15am to Africa				
15.31	19.59	2R017	Rome, Italy	7:30-9:30am...News-	9:20am			
16 METER BAND								
16.63	18.04	KQR-KGEI	Bolinas, Calif.	6:45pm-12 mid.				
16.64	18.03	GRQ	London, England	9:30-11:15am to S.A., 11:30-11:45am				
16.77	17.89	GRP	London, England	6:57-11:15, 11:30am-12:30pm to C.A.				
16.81	17.845	DJH	Berlin, Germany	7am-12 noon				
16.82	17.84	Eire	Athlone, Ireland	8:30-9:30am, 1:30-2:15pm				
16.83S	17.83	WCRC	New York City, N.Y.	6am-3:30pm				
16.83S	17.83	WCDA	New York City, N.Y.	3:30-4:45, 4:50-7:30pm	/News-	8:15am.		
16.84	17.82	2R08	Rome, Italy	7-7:25, 8:30-9, 9:15-9:45am to NA, 1-1:30pm				
16.84	17.81	GSV	London, England	3:45-5:57, 6:57-10:45, 11:15am-2:15pm				
16.85	17.80	OIH	Lahti, Finland	7am to 1:30pm, or later./12:30-12:45pm.				
16.86S	17.79	GSG	London, England	2:10-5:30, 6:30-7:10, 7:45-8, 9:45-11am,				
16.87	17.78	WNBI	New York City, N.Y.	9am-1:30 to Europe, 4:55-7:45pm to S.A.				
16.88S	17.77	2R07	Rome, Italy	8-9, 10-11, 11:30am-12:45pm.				
16.89F	17.765		Vichy, France	7:30-8:15am to NA, 8:30-9:15, 9:30-10:15am				
16.89	17.76	DJE	Berlin, Germany	7-9:45am to Latin America	/Su. 10am irr.			
16.90	17.75	WRUL	Boston, Mass.	9:30am-12:15pm ex. Sa/Su; Sa. 10am-12 noon,				
19 METER BAND								
19.49N	15.395	PZX5	Paramaribo, Dutch Guiana	6:40-8:40pm ex. Sun; Sun. 9:10-11:40				
19.51N	15.375	GRE	London, England	8:45-11:15am to NA, 11:30am-12:30pm.				*
19.53	15.36	DZG	Berlin, Germany	1-3:15am, 12:30-1:45pm				
19.54	15.35	WRUW	Boston, Mass.					
19.56	15.34	DJR	Berlin, Germany	1-3:15, 7am-12 noon				
19.57S	15.33	WGEA	Schenectady, N.Y.	9am-6:30pm				
19.57S	15.33	KGEI	San Francisco, Calif.	7pm-12 mid.				
19.60S	15.31	GSP	London, England	2:10-5:57am, 6:45-7:30am, 12:45-2:15pm.				
19.61S	15.30	2R06	Rome, Italy	2:15-2:30, 3-3:30, 3:40-4:20, 6:30-7:15, 7:30-10:30am, 1-2:30pm to NA, 1:40-7:50pm, 12:30-1:30am to W.N.A...News- 12, 3, 5, 15, 6:20, 8:30, 10:30pm, 1am.				
19.62S	15.29	VUD3	Delhi, India	2:30-4:45am, 10pm-12:30am...News-	10:30pm			
19.62	15.29	LRU	Buenos Aires, Argentina	7:15-8:15am.				
19.63	15.28	DJQ	Berlin, Germany	1-3:15, 7am-12 noon, 12:30-1:45, 3-3:45, 4-5:45, 5:50pm-12:15am...News-	10am			
19.64S	15.27	WCBX	New York City, N.Y.	6am-3:47-11pm.				
19.66	15.26	GSI	London, England	3-5:30, 11:30am-3pm				
19.67S	15.25	WLWO	Cincinnati, Ohio	12:45-2:30, 9:30-10:45, 11am-5:15pm ex. Sun. Sunday 12:45-2:30am, 1-5:15pm.				
19.67	15.247	CR7BD	Lourenco Marques, Mozambique	1-5:20pm; Sun. 11am-3pm.				
19.69	15.24		Vichy, France	10:30-11:30, 11:45am-12:45pm to NA, 1-1:45, 2-2:45pm.				
19.70	15.23		Komsomolsk, U.S.S.R.	5:15-5:40, 7-7:40, 9:15-9:40pm.				
19.70	15.23	2R014	Rome, Italy	1:30-2:40, 6:15-6:25, 7-10:30, 11:30am-1pm.				
19.70S	15.23	VLG6	Melbourne, Australia	3:45-4:45am, 3:30-5:10, 9pm-1:40am.				
19.71	15.22	PCJ	Huizen, Holland	7:30-11:45am...News-	7:45, 8:45, 10:30,			
19.72	15.21	WBOS	Boston, Mass.	8am-12:45pm.	/11:30am			
19.74	15.20	DJB	Berlin, Germany	7-9:45am to NA, 10-10:45, 11-11:30am, 12:30-1pm...News-	7:30, 9:30am, 12:30pm			
19.74S	15.20	XGOX	Chungking, China	5:30-6am, 7-9pm irreg.				*
19.75	15.195	TAQ	Ankara, Turkey	6:30-8am				
19.75	15.19	OIE	Lahti, Finland	12:45-3:15pm...News-	12:45, 2:15pm.			
19.76S	15.18	GSO	London, England	8:15-9:15am				
19.77S	15.175	QQ2AA	Leopoldville, Bel. Congo	6:55-8am, 2:45-3:45pm				
19.78	15.17	TGWA	Guatemala, Guatemala	1:45-3pm to NA; Sun. 1:45-6:15pm.				
19.78	15.165	PRE9	Fortaleza, Ceara, Brazil	9:10am-12 noon				
19.79	15.16	VLG7	Melbourne, Australia	11:25-11:45am to A.I.F.				

19.79	15.16	JZK	Tokyo, Japan	Heard 6:55-9:30pm irreg.	*
19.80	15.155	SBT	Motala, Sweden	11am-12 noon, 2-5:15pm (Sun. 4am-5:15pm)...	
19.81	15.15	WRCA	New York City, N.Y.	8am-2:15, 3:55-6:45pm. /News- 11am.	
19.82	15.14	GSF	London, England	4-5:57, 6:57-11:15, 11:30am-5:5:15-6:15pm.	
19.83S	15.13	WRUW	Boston, Mass.	9:30am-12:45pm ex. Sat/Sun irreg.	
2000 19.84	15.12	Eire	Athlone, Ireland	2:30-5pm	
19.84S	15.12	HVJ	Vatican City	10:30am-1pm, or later.	
19.85	15.11	DJL	Berlin, Germany	1-3:15, 7:30-7:45, 8:30-8:45, 9:30-9:45, 11:40am-5:30pm...News- 7:30, 8:30, 9:30am.	*
19.85	15.105	JLG4	Tokyo, Japan	6:55-10:30pm to NA...News- 7, 10:10pm.	
19.86	15.10	EPB-	Teheran, Iran	4:30-6am (Fri. 4-7am)	
19.92F	15.06	2RO21	Rome, Italy	10-10:30, 11:30am-1pm (Arabic)	

20.07	14.935	PSE	Rio de Janeiro, Brazil	Thurs. 4-4:30pm (Italian)	
20.11	14.92	Sverdlovsk,	U.S.S.R.	8-9am...News- 8:20am.	
20.33	14.76	2RO-	Rome, Italy	11-11:25am (Russian)	
20.75	14.46	DZH	Berlin, Germany	11am-Noon, 3:30-4:15, 5:50pm-12:15am to SA.	
20.83N	14.40		Kuibyshev, U.S.S.R.	8:50-9:15am (English)	*
21.77S	13.78	KKW-KGEI	Bolinas, Calif.	6:45pm-12 mid.	
24.09S	12.455	HCJB	Quito, Ecuador	7:45-9:30am, 12:30-3:30 (Sun. 9:30am-5:30),	
24.52S	12.235	TFJ	Reykjavik, Iceland	Thurs. 7:17pm. /7-10:45pm (Sa. to 11	
24.54	12.225		Sverdlovsk, U.S.S.R.	8-9am...News- 8:20am.	
24.73S	12.13	DZE	Berlin, Germany	7-10, 11am-1:45, 4-5:45, 5:50pm-12:15am.	
24.75	12.12	TPZ	Alger, Algeria	7-8am, 2:30-4:15, 5-7pm...French news- 4,	
24.75	12.12	ZNR	Aden, Arabia	12:28-1:45pm. /5:30 p.m.	
24.88	12.06	FPZ	Shanghai, China	12 mid.-2am; 4:30am-10am ex. Su; Su. 6:30-	
24.88	12.06	RNE	Moscow, U.S.S.R.	8-9am...News- 8:20am. /11am.	
24.92S	12.04	GRV	London, England	9:30-10:30, 11:30am-12:30, 1-1:45, 2:15-3pm.	

25 METER BAND

25.00	12.00		Brazzaville, Middle Congo	2-9:50am, 2-3, 4:30-6pm	
25.02	11.99	NBS	Anti-British	3:30-4, 4:30-5, 5:30-6pm ex. Su; also Sun.	
25.04	11.98	XIRS	Shanghai, China	8-9:30am...News- 8:15am. /12:30-1pm.	
25.04	11.975	CB1180	Santiago, Chile	7:30-9am, 6:15pm-12 mid.	
25.05	11.97	FZI	Brazzaville, Middle Congo	2-2:20, 9:30-10:15am, 3:45-4, 4-5:15, 11pm-12 mid. to NA...News 3:45, 11:45p	
25.08N	11.96	CB1190	Santiago, Chile	9-10:30pm /News- 8:30, 10:30pm.*	
25.10S	11.95	2RO--	Rome, Italy	10:30am-12:15, 1-7, 8:30pm-12 mid. to NA.	
25.18	11.915		Anti-Fascist	9-9:30am, 3:30-4, 5-5:30, 7-7:30pm.	
25.21C	11.90	TIJMP	San Jose, Costa Rica	8-9:30am, Nightly to lam.	*
25.21S	11.90	XGOY	Chungking, China	2-3am to NA, 3-4, 6-8:15, 8:20-9:55am;	
25.23	11.89	WNBI	New York City, N.Y.	12:45-3:40pm	
25.24S	11.885		Paris (Mondiale), France	2-5:10pm	
25.24N	11.885	DXL7	Paris, France	5:50pm-12 mid. to NA...News 7, 8, 9, 10, 11pm	*
25.24	11.885		Komsomolsk, U.S.S.R.	5:15-5:40, 7-7:40, 9:15-9:40, 11:15-11:40.	
25.25N	11.88	HI3X	Trujillo City, D.R.	Mon/Wed/Sat 8:10-11:10pm; Thu. 8:40-9:40	
25.25S	11.88	VLR3	Melbourne, Australia	9pm-3:15am. */Fri. 9:10-11:10pm.	
10000 25.25	11.88	VLG5	Melbourne, Australia	5-7am.	
10000 25.27	11.87	VLQ2	Sydney, Australia	12:55-1:40am to W.NA...News- lam.	
25.27	11.87	WBOS	Boston, Mass.	1-3:30, 3:55pm-1am to S.A.	
25.28S	11.865	HER5	Berne, Switzerland	7:45-9:15pm to S.A.	*
25.29S	11.86	GSE	London, England	4-11:45, 12 noon-3, 3:15-4pm...News- 4am.	
25.30	11.855	DJP	Berlin, Germany	1-3:15, 7am-Noon, 5:50pm-12:15am to SA...	
25.33	11.845		Vichy, France	3-3:45, 4-4:45pm to NA, 5-5:45, 6-6:45pm.	
25.35	11.84	DXW	Warsaw, Poland	7-9:45am to NA...News- 7:30-8:30, 9:30am.	
25.35	11.84	DHE4A	Prague, Bohemia	4:30-6:45, 7-9:15pm. /8:30am, 10:30pm.	
25.36S	11.83	VUD4	Delhi, India	2:30-4:45, 7:30-9am, 10pm-12 mid...News-	
2000 25.36	11.83	VLW3	Perth, W. Australia	2-6:45pm.	
50000 25.36S	11.83	WCRC	New York City, N.Y.	3:47-11pm.	
25.37	11.825	CXAL4	Colonia, Uruguay	4:30-10:05pm	
25.37	11.825	VJZ2	Tokyo, Japan	4:50pm-2am.	
25.38S	11.82	GSN	London, England	7-11:45am, 2:30-2:45, 3-4:20pm, 6:30-9:45pm	
25.38	11.82	XEBR	Hermosillo, Mexico	9am- lam.	
25.39S	11.815	JVZ	Tokyo, Japan	5am-12 noon, 11pm-1:30am or later.	
25.40S	11.81	2RO4	Rome, Italy	2:15-2:30, 3:20-4:20, 6:30-7:25, 10:30am-12:15, 12:30-7, 8:30pm-12 mid. to NA, 12:30-1:30am to W.NA...News- 8:30, 10:30pm, lam.	
25.41	11.805	COGF	Matanzas, Cuba	3-11:30pm. Not heard recently.	
25.42	11.80	DJZ	Berlin, Germany	7am-12 noon.	

25.42	11.80	JZJ	Tokyo, Japan	5-7:30, 8-11am, 6:55-10:30pm to E.NA, 11:25pm-4am to W.NA & Hawaii... News- 7pm.
25.45	11.79	WRUL	Boston, Mass.	1:15-6:30pm; Sat. 1:30-6; Sun. 10am-Noon,
25.46S	11.785	OFE	Lahti, Finland	12:45-3:15, 8:10-9, /3-7:30pm
25.48	11.775	MTCY	Hsinking, Manchukuo	1:30-3am to NA... News- 1:30, 2:30am.
25.48F	11.775		Saigon, Fr. Indo China	5:30-10:30, 11:30am-12 noon, 1-1:30, 7:45-8:20pm... News- 6:15, 7:30, 11:45am. *
25.49	11.77	DJD	Berlin, Germany	1-2:30, 7-11:30, 11:40am-5:30, 5:50pm-12 mid. to NA... News- 7, 8, 9, 10, 11pm.
25.50	11.765	PYD8	Sao Paulo, Brazil	5:30-10:45pm or later.
25.51	11.76	DXR	Warsaw, Poland	11:40am-5:30pm to Africa
25.51S	11.76	VLR8	Melbourne, Australia	3:30-7:15pm. *
25.51	11.73	2R015	Rome, Italy	1:30-2:40, 6:15-9:30, 11:30am-2:30, 3:20-7pm
25.53S	11.75	GSD	London, England	2:10-5:57, 6:57-11:15am, 12:30-5, 5:15-12:45am to NA... News- 5:15, 6:45, 8, 9, 12:30am.
25.54F	11.745	CBFY	Montreal, Canada	7:30am-12 mid... News- 7:30, 8, 9am. *
25.55	11.74	CB1170	Santiago, Chile	8-9am, 7:30pm-12:30am.
25.55	11.74	COCY	Havana, Cuba	7:30am- 2:15am. /NA... News- 7, 8, 9, 10, 11pm
25.55	11.74	DXC2	Berlin, Germany	7am-12 noon, 12:30-4:30, 5:50pm-12 mid. to
25.58	11.73	WRUW	Boston, Mass.	6:30-11:15pm ex/Sat/Sun; Sat. 6:15-11pm.
25.59	11.725	JVW3	Tokyo, Japan	4:45-10:30am, 4:50pm-2am.
25.60	11.721	ZPA2	Asuncion, Paraguay	Relays ZP10 6-8:40pm /am
25.60S	11.715	HSP5	Bangkok, Thailand	7-11am or later, 7:45-8:30pm... News- 8:30
25.62	11.71	YSM	San Salvador, El Salvador	2-3, 8-10:30pm
25.62	11.71	WLWO	Cincinnati, Ohio	5:30-7:45pm (Sun. to 7pm)
25.62	11.71	VLG3	Melbourne, Australia	12:55-1:40am to W.NA.
25.63	11.705	CXA19	Montevideo, Uruguay	7:30-10pm
25.63N	11.705	JIG3	Tokyo, Japan	1-2:30am approx. /to NA*
25.63	11.705	SBP	Motala, Sweden	2:45-3:15, 7-8am (Sun. 4am-5:15pm), 9-10pm
25.63N	11.705	HR--	Tegucigalpa, Honduras	8-10:30pm irreg. *
25.64	11.70	HP5A	Panama City, Panama	8-11:40am, 6pm-1am; Sun. 9am-1am.
25.68S	11.68	GRG	London, England	12:45-1 (ex. Mon/Th/Fri), 1-3, 3:15-3:30, 3:30-5pm to NA... News- 4:45pm.
25.68S	11.68	XGRS	Shanghai, China	4:30-11am, 6:45-9pm... News- 7:45pm
25.82S	11.616	COK	Havana, Cuba	1pm-1am; Sun. 1-7pm... News- 1, 4:30, 7, 10pm
27.17	11.04	CSW6	Lisbon, Portugal	1-5:30pm
27.29	10.953	CR6RB	Benguela, Angola	3:20-4:30pm; Sun. 12 noon-1pm
28.30	10.60	ZLK2	Belize, Br. Honduras	Tues/Thurs/Sat 2:30-3, 9:30-9:50pm
28.45S	10.543	DZD	Berlin, Germany	2:30-3:15, 4:30-5, 5:50pm-12 mid. to NA... News- 7, 8, 9, 10, 11pm.
28.85N	10.40	KEZ-KGET	Bolinas, Calif.	12:15am-12 noon, to Asia.
28.85	10.40	YSPA	San Salvador, El Salvador	9:10-10am, 7:30pm-12:30am.
29.04S	10.33	2R0-	Rome, Italy	7-9:30pm to S.A. *
29.15	10.29	DZC	Berlin, Germany	4-5:45, 5:50pm-12:15am to S.A.
29.35	10.22	PSH	Rio De Janeiro, Brazil	7-8pm ex. Sun; Mon/Wed/Sat 9-9:30pm.
29.59	10.14	OPM	Leopoldville, Bel. Congo	2:55-3:45pm.
29.62	10.13	HH3W	Port-au-Prince, Haiti	1-4:45, 7:30-11:30pm; Sun. 1-5, 7-11:30p *
29.79N	10.07		Norway Freedom Station	11am-2:40pm
29.84	10.055	SUV	Cairo, Egypt	2:45-3:30pm.
29.87	10.042	DZB	Berlin, Germany	
29.88S	10.04		Kuibyshev, U.S.S.R.	12-12:30, 1-3:30, 7-10:50am... News- 1,
30.33	9.89	LSN2	Buenos Aires, Argentina	10:45-11:15pm. /8:50, 9:30am.
30.43F	9.86	TI4NRH	Heredia, Costa Rica	Tues/Thurs/Sat 12:01-1:30am or later
30.43N	9.86		Madrid, Spain	8-9pm to NA... News- 8pm. /pm to Austr.
30.49	9.84	CR7BE	Lourenco Marques, Mozambique	3-5pm (Sa. to 6pm); Su. 11am-3
30.51	9.833	COCM	Havana, Cuba	9am-1am; Sun. 9am-12 mid. 9, 10:45pm.
30.54	9.825	GRH	London, England	5:15pm-12:15am to CA... News- 5:15, 6:45, 10am-3pm
30.67	9.78	HNF	Baghdad, Iraq	10am-3pm
30.74S	9.76	2R018	Rome, Italy	12:30-2:30, 7-9:30pm to S.A.
30.75	9.755	ZRO	Durban, So. Africa	4:30-8, 10am-5pm; Sun. 4:50am-5pm.
30.77	9.75		Free-French Station	2-2:15am, 3:30-3:50pm.
30.82	9.735	CSW7	Lisbon, Portugal	5:40-7:50, 8-10pm to NA
30.82S	9.73	CB970	Valparaiso, Chile	7:30-9am, 8pm-12:30am.
30.86	9.72	XGOA	Chungking, China	1-2, 7am-12noon, 3-5pm... News- 10, 11:15am
30.90	9.71	OAX4K	Lima, Peru	8-11:30pm
30.92	9.705		Fort-de-France, Martinique	12:30-1:40, 6:35-9pm.

31.35S	9.70	WRUW	Boston, Mass.	1:15-11:15pm; Sat. 10am-Noon, 1:30-11pm; Sun. 2:30-7pm, or later.
30.93F	9.70	COBC	Havana, Cuba	9am-1:15am, Sun. 8am-11:30pm.
30.95	9.695		Tananarive, Madagascar	11:30am-12:30pm
30.96S	9.69	GRX	London, England	3-5:45, 6am-3:30, 4-4:15, 5:15-6pm, 7-10:45 ^{√pm}
30.96	9.688	IRAI	Buenos Aires, Argen.	11:30am-2, 3:30-4:30, 5-10pm
30.98	9.685	TGWA	Guatemala, Guatemala	11pm-12:45am ex. Su; Sun. 7pm-12:45am.
30.99	9.68	EXQQ	Mexico D.F., Mexico	9am-1:45am.
30.99	9.68	EQC	Teheran, Iran	11am-1pm (Th. 9:30am-1, Fri. 10am-1pm)
31.01	9.675	DJK	Berlin, Germany	1-3:15, 11:40am-5:30pm... News- 12:15pm.

31 METER BAND

31.02	9.67	WRCA	New York City, N.Y.	2:30-3:40pm to Europe, 7pm-1am to S.A.
31.06	9.66	LRX	Buenos Aires, Argentina	6:30-7:05am, 8:30am-12 mid.
31.06N	9.66	HVJ	Vatican City,	Sun/Thurs 9:30-9:50pm to NA., <u>In English</u>
31.06S	9.66	XGRI	Shanghai, China	7-11am... News 8:10, 10:10am.
31.06S	9.658	HHBM	Port-au-Prince, Haiti	8-9:45am, 1-4, 4:30-9:45pm.
31.08	9.655	HJCT	Bogota, Colombia	11am-3, 6:15pm-12:40am.
31.09S	9.65	DJW	Berlin, Germany	1:45-3:15, 7am-12 noon, 5:50pm-12:15am.
31.11	9.645	LLH	Oslo, Norway	6:40-8am, 1:30-6, 10-11pm to N.A.
31.12S	9.64		German Revolutionary	12-3:30am irreg, 3-3:20, 4-4:20, 5-5:20p
31.12S	9.64	KZRH	Manila, Philippines	6-10am... News- 9:30am.
31.12S	9.64	CXA8	Colonia, Uruguay	3-5, 7-11pm (Sun. to 2am)
31.13	9.635	XGOY	Chungking, China	8:20-9:55am, 10-11:25am to NA.
31.14S	9.63	2RO4	Rome, Italy	3-3:30am, 1-2:30, 3:20-7, 8:30pm-12 mid. to NA... News- 8:30, 10:30pm.
31.17	9.625		Addis Abeba, Ethiopia	10:15-11:35am. *
31.19	9.62	CXA6	Montevideo, Uruguay	4:30-10:15pm.
31.19C	9.62	DXL24	Berlin, Germany	5:50pm-2am to NA... News- 7, 8, 9, 10, 11pm, 12, 1am.
31.19	9.62	TIPG	San Jose, C.R.	8:15am-12:30am.
2000 31.21F	9.615	VLW2	Perth, W. Australia	7-11am (9:15-11am to S.E. Asia)... News- /10:30am.
31.22	9.61	XEYU	Mexico D.F., Mexico	12 mid.-1:15am.
31.22S	9.61	DXB	Berlin, Germany	12:15-4:15pm / 2:10-2:45, 4:30-9, 10-11:15
31.23	9.606	ZRL	Capetown, So. Africa	12:45-2:45, 4:15-10, 10-11:15am; Sun. -
31.23S	9.605	HP5J	Panama City, Panama	8am-2:30, 7:30-11:30pm; Sun. 9am-11pm.
31.25S	9.60	GRY	London, England	2:10-3:30, 6:57-8:30am to NA, 2:30-5 (3:30-5pm to NA)... News- 4:45pm.
2000 31.27	9.595	Eire	Athlone, Ireland	5:10-6pm... News- 5:10pm. / 8:30am, 10:30pm
31.28S	9.59	VUD3	Delhi, India	2:30-4:30, 7:30am-1:30, 10pm-12 mid... News-
31.28S	9.59	WLWO	Cincinnati, Ohio	8pm-12 mid.
31.28	9.59	PCJ	Huizen, Holland	4-5:45, 5:50pm-12:15am to S.A.
10000 31.32S	9.58	VLG	Melbourne, Australia	2:55-3:25am.
10000 31.32	9.58	VLQ6	Sydney, Australia	
2000 31.32S	9.58	VLR	Melbourne, Australia	3:45-8:30am... News- 8:15am.
31.32S	9.58	GSC	London, England	1-1:45am, 12:45-4, 5:15pm-12:45am to NA, ... News- 5:15, 6:45, 8, 9, 10:45, 12:30am.
31.35	9.57	VUM2	Madras, India	4-5:30am.
31.35S	9.57	DXZ	Berlin, Germany	1:30-4pm... News- 1:30, 2:30, 3:30pm. *
31.37	9.567		Komsomolsk, U.S.S.R.	7:30-8:20, 9:15-9:40am, 11:15-11:40pm.
31.37	9.565		Tokyo, Japan	5-7:30, 8-11am... News- 5, 8, 10:45am.
31.38	9.56	DJA	Berlin, Germany	5:50pm-12:15am to S.A.
2000 31.38	9.56	VLW2	Perth, W. Australia	7-9am... News- 7:20am.
31.39	9.557	XETG	Mexico D.F., Mexico	Testing evenings
31.40	9.55	XETA	Monterrey, Mexico	8:55am-1am. *
31.40	9.55	VUB2	Bombay, India	3-4:55am.
31.41S	9.55	WGEA	Schenectady, N.Y.	7pm-1am.
31.43	9.545	MTCY	Hsinking, Manchukuo	9-10:30am, 5-6pm... News- 9:30am. *
31.43	9.545	RV--	Khabarovsk, U.S.S.R.	1:30-10:30am, 4-7pm irreg.
31.44	9.543	XEFT	Veracruz, Mexico	10am-2:15am.
31.44S	9.543		German Freedom Station	2:52, 3:52, 4:52, 6:52, 7:52pm *
31.45	9.54	OAX5C	Ica, Peru	8pm-12 mid. / 9:15-11am to SE Asia
10000 31.45	9.54	VLG2	Melbourne, Australia	4:30-11:15am (7:25-8:10am to E.NA)-
31.47	9.535	YPD2	Suva, Fiji's	4:50-6am. Has anyone heard lately?
31.47S	9.535	JZI	Tokyo, Japan	5-7:30, 8-11am, 2:55-6:30, 11:25pm to 4am to W.N.A & Hawaii... News- 5, 8, 10:45am, 3-6, 11:30pm, 1:30am.
31.47	9.535	HER4	Berne, Switzerland	9:45pm-11:15pm to NA... News- 10pm *
31.47	9.535	SBU	Motala, Sweden	5:20-5:35, 9-10pm to NA... News 9pm.
31.48	9.53	WGE0	Schenectady, N.Y.	5-11:45pm, 12-1am.

31.50	9.525	<u>JZHA</u>	Hongkong, Hongkong	8-10am...News- 9:15am
31.50	9.525	<u>DXY</u>	Warsaw, Poland (Berlin)	9am intermittently to 12 mid.
31.50	9.520		Vichy, France	7-7:45, 8-8:45, 9-10pm to NA, 10:15-10:45, 11-11:30, 11:45pm-12:30, 12:45-1:30, 1:45- 2:30, 2:45-3:30, 3:45-4:30am...News- 9:40p
31.50S	9.52		Paris (Mondiale), France	2-5:10pm
31.55S	9.51	<u>GSB</u>	London, England	2:10-5:57am, 3-6, 7-10:45pm.
31.57	9.505	<u>JLG2</u>	Tokyo, Japan	11:30am-2:30pm...News- 11:30am, 2pm.
31.57S	9.505	<u>YUC</u>	Belgrade, Yugoslavia	Heard near 4-4:30, 6-8pm *
31.58	9.50	<u>XEWV</u>	Mexico D.F., Mexico	9am- 2:45am.
31.60S	9.495	<u>OFD</u>	Lahti, Finland	12:45-3:15, 8:15-9, 10-11pm, 12:30-1am.....
31.63S	9.485		Freedom Sender	5:52-6pm /News- 12:45, 2:15, 8:20, 10:15pm
31.65	9.48	<u>CP38</u>	La Paz, Bolivia	6:30-11pm
31.69	9.47	<u>CRGRA</u>	Luanda, Angola	3:30-5pm.
31.70	9.465	<u>TAP</u>	Ankara, Turkey	10am-5pm; 6:50-7:30pm irreg...News- 3:15
31.75S	9.45	<u>GRU</u>	London, England	1-1:45, 9:30-11:15am, 1-2:15, 2:30-4:20pm.
31.80S	9.435	<u>COCH</u>	Havana, Cuba	7am- 1:15am...News- 7:45pm.
31.86S	9.42	<u>GRI</u>	London, England	11:30am-12:45pm
31.88S	9.41	<u>FGA</u>	Dakar, Senegal	3:15-4:30pm

32.12	9.34	<u>OAX4J</u>	Lima, Peru	9-10am, 1-4, 7pm-2am.
32.22	9.31	<u>HC2AK</u>	Guayaquil, Ecuador	7pm-12 mid.
32.28	9.295	<u>HI2G</u>	Trujillo City, D.R.	8:10-9:40, 12:40-3:10, 6:10-10:40pm
32.36	9.27	<u>COCX</u>	Havana, Cuba	8:45am-1am.
32.43V	9.25		Bucharest, Roumania	3-6:05pm...News- 4:50pm.
32.64	9.19	<u>HC2ET</u>	Guayaquil, Ecuador	8:30am-1:30am; Sun. 9:30-11:30pm
32.88	9.125	<u>HAT4</u>	Budapest, Hungary	7:40-9, 9-11pm to NA...News- 9:20, 10:25p
33.24	9.025	<u>COBZ</u>	Havana, Cuba	8:45am- 1am; Sun. 8:45am- 12 mid.
33.48N	8.96	<u>COBQ</u>	Havana, Cuba	Relays CMBQ to mid.
33.48	8.96	<u>TPZ2</u>	Alger, Algeria	3-4, 8-10am, 2:30-4:15, 5-7pm.
33.98J	8.83	<u>COCX</u>	Havana, Cuba	6am- 2:15am.
34.48	8.70	<u>COCO</u>	Havana, Cuba	5:30am- 1:30am.
34.62	8.865	<u>COJK</u>	Camaguey, Cuba	12:30-1:30, 4:30-7, 9-9:30pm.
34.95	8.585	<u>YNRS</u>	Managua, Nicaragua	9-10am, or later, 7:40pm-12 mid.
35.44	8.465	<u>XPSA</u>	Kweiyang, China	6:30-12 noon, 4-6pm...News- 10, 11:15am.
37.27N	8.05		Kuibyshev, U.S.S.R.	11am-6:30pm...News- 4pm. /French 4, 5:30*
37.36	8.035	<u>CNR</u>	Rabat, Morocco	3:15-3:45, 8-9am, 1:30-5:30, 7:30-8pm. News-
37.37	8.035	<u>FXE</u>	Beyrouth, Syria	1-4:30, 5-7:30, 9am-4pm.
37.50	8.00	<u>FLA6</u>	Douala, Camerouns	6:45-7am, 2:15-2:30pm
37.81	7.935	<u>PSL</u>	Rio de Janeiro, Brazil	7-8pm with PSH
38.00	7.894	<u>YSD</u>	San Salvador, El Salvador	8-12 mid. with HUB
38.15	7.865	<u>SUX</u>	Cairo, Egypt	1:30-5pm
38.20	7.854	<u>HC2JSB</u>	Guayaquil, Ecuador	9-11pm
39.16	7.66	<u>YNDG</u>	Leon, Nicaragua	9:30pm-12 mid. ex. Sun.
39.40	7.615	<u>YNLAT</u>	Granada, Nicaragua	9-11:15pm
40.05	7.49	<u>YN2FT</u>	Granada, Nicaragua	9-11pm
40.30	7.446	<u>FGSAH</u>	Pointe-a-Pitre, Guadeloupe	7-9pm

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40.98S	7.32	<u>GRJ</u>	London, England	1-1:30, 2:30-5am, 12 noon-1, 3:15-4pm, 12:30
40.99	7.317		Salisbury, S. Rhodesia	1-4pm /-1am.
41.06	7.305		Ponta Delgada, Azores	4-5pm
41.15	7.29	<u>VUD2</u>	Delhi, India	10pm-12:30am...News- 10:30pm
41.15	7.29	<u>DJI</u>	Berlin, Germany	5:30-5:45, 5:50pm-12:15am to S.A.
41.18S	7.285	<u>JLG</u>	Tokyo, Japan	4:45-9am, 3-6:30pm.
41.24S	7.275	<u>JVW</u>	Tokyo, Japan	5-7:30, 8-11am...News- 5, 8, 10:45am.
41.24N	7.275		British undercover	4:45-5:55pm irreg. */6:30pm*
41.27N	7.27	<u>DXM</u>	Berlin, Germany	1-8pm...News- 1:30, 2:30, 3:30, 4:30, 5:30,
41.32N	7.26	<u>EA--</u>	Spain	Daily to 7pm
41.32N	7.26	<u>TGW-</u>	Guatemala, Guatemala	8:30pm-1am approx.
41.38S	7.25	<u>KGFI</u>	San Francisco, Calif.	12:15am-12 noon.
41.38	7.25	<u>VLQ9</u>	Sydney, Australia	7:25-8:10am to E.NA, 4:25-5:25am...News-
41.44	7.24	<u>VUB2</u>	Bombay, India	3-4:45, 7-9:45am, 10pm-12 mid. /7:30am.
41.44	7.24	<u>DXJ</u>	Berlin, Germany	12:30-4, 5:50pm-2am to NA...News- 7, 8, 9, 10, 11pm, 12 mid., 1am.
41.49S	7.23	<u>GSW</u>	London, England	11:40pm-5:45, 7-11:45, 12 noon-7pm.
41.55S	7.22	<u>2R011</u>	Rome, Italy	1:30-3, 11:30am-7pm.
41.55	7.22	<u>VLQ4</u>	Sydney, Australia	10:25-11:10am to W.NA
41.61	7.21	<u>VUC2</u>	Calcutta, India	3-5:30, 7:30-11:15am, 10-11:30pm, 1:30-2:40

41.61	7.21		Salisbury, So. Rhodesia	5-5:30, 7-7:15, 11:45am-12:30pm	
41.64S	7.205		Kuibyshev, U.S.S.R.	2-5pm... News- 4pm.	*
41.64	7.205	EA--	Madrid, Spain	4-7pm	
41.96S	7.15	GRT	London, England	4-4:15am, 3-7pm.	
42.02	7.14	EAJ9	Malaga, Spain	4-6:30pm	
42.05N	7.135		Kuibyshev, U.S.S.R.	12:15-1am.	*
42.08	7.13	EAJ22	Oviedo, Spain	3-6pm	
42.11N	7.125	GRM	London, England	11:30am-12:15pm	
42.24	7.10	FO8AA	Papeete, Tahiti	Wed/Sat 12:01-1:15am.	
42.28F	7.095	EA--	Spain	Heard to 6:30pm	
42.31L	7.09	EA9AA	Melilla, Spanish Morocco	Heard to 6pm.	
42.37	7.08	Y15KG	Baghdad, Iraq	10am-3pm.	
42.37N	7.08	HCZNS	Ecuador	Heard to 10:45pm irreg.	*
42.40	7.075		Athens, Greece	Heard 5:15-6pm or later.	
42.43	7.07		Serb Freedom Station	3:15-3:30, 4-4:15, 4:30-4:45pm.	
42.46	7.065		Antigua	6-6:22pm (French)	*
42.46S	7.065	GRS	London, England	2:10-4:15am.	
42.65S	7.037	EA--	Valencia, Spain	3-7pm.	
42.74S	7.030	EA--	Madrid, Spain	4:30-5:20pm	
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43.23S	6.94		Kuibyshev	1-4pm	*
43.54N	6.89	KEB-KGEI	Bolinas, Calif.	12:15am-12 noon irreg, or KEL or KEN.	*
43.67	6.87	YNOW	Managua, Nicaragua	8pm-12 mid. or later.	
43.73S	6.86	KEI-KGEI	Bolinas, Calif.	12:15am-12 noon irreg, or KEB, or KEN	*
43.83	6.845	KEN-KGEI	Bolinas, Calif.	12:15am-12 noon irreg, or KEB, or KEL	*
43.92	6.83	RFL	U.S.S.R.	8-11:30am approx.	
44.28	6.775	HIH	San Pedro, D.R.	8-9:10pm; Sun. 6:20-7:40pm	
44.38N	6.76	YNRS	Managua, Nicaragua	9-10am, 7:40pm-12 mid.	*
44.40	6.757		Salesbury, So. Rhodesia	1:55-4pm ex. Sun.	
44.81	6.696	TIEP	San Jose, C.R.	8-9am, 8pm-1am.	
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49 METER BAND					
45.05	6.66		Brazil	6-7pm	
45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun. 6:45-7:45, Tu. 10:15pm-12:15am.	
45.25	6.63	HIT	Trujillo City, D.R.	1:10-2:40, 5:40-9:40pm	
45.63	6.575	YSPB	San Salvador, El Salvador	Nightly to 12:58am.	
45.87	6.54	YN1GG	Managua, Nicaragua	2-3:30, 9-11pm ex. Sun.	
46.15	6.50	HIL	Trujillo City, D.R.	1:30-3, 7-10:30pm ex. Sun.	
46.22J	6.49	TGWB	Guatemala, Guatemala	9-10, 1:45-4:45, 8:30pm-1am; Sun. 11:30am- 6:15, 8:30pm-1am.	
46.26	6.485	HILL	Santiago de los Caballeros, D.R.	6:30-8:30pm ex. Sun.	
46.43	6.455	COHI	Santa Clara, Cuba	7:42am-1:15am.	
46.58	6.44	HIIS	Santiago, D.R.	6:40-9:10pm ex. Sun.	
46.84	6.405	TGQA	Quezaltenango, Guatemala	9-11:30pm; Sat. 9pm-2am; Su. 8pm-4am.	
46.95	6.39	HI9B	Santiago, D.R.	6:40-8:40pm	
47.10J	6.37	COCQ	Havana, Cuba	7:30am- 2am.	
47.20	6.357	HRPI	San Pedro Sula, Honduras	7-8:30am, 7-11:30pm	
47.32	6.34	OAX4G	Lima, Peru	7pm-1:30am (Sat. to 2am)	
47.39	6.38	COCW	Havana, Cuba	8:55am-1:15am.	
47.47	6.32	SUP2	Cairo, Egypt	12:10-1pm	
47.50	6.316	HI1Z	Trujillo City, D.R.	12:40-1:40, 6:10-11:10pm	
47.68	6.29	OAX1A	Chiclayo, Peru	8:30pm-12:30am.	
47.77	6.28	HI1G	Trujillo City, D.R.	8:10-9:40am, 12:40-3:10, 4:40-10:40pm.	
47.85	6.27	YSR	San Salvador, El Salvador	8pm-12 mid.	
47.96	6.255	CP12	La Paz, Bolivia	8-10pm	
48.04	6.245	HI1N	Trujillo City, D.R.	7:40-8:40am, 12:40-2:40, 8:10-11:20pm.	
48.08	6.24	HRD	La Ceiba, Honduras	9-11:30pm; Sun. 5-7pm.	
48.31N	6.21	YV5RN	Caracas, Venezuela	5pm-12 mid. / 9:40pm, Fri. 9:10-11:10pm.	
48.34	6.206	H1X	Trujillo City, D.R.	Mon/Wed/Sat 8:10-11:10pm, Th. 8:40-	
48.35S	6.205	OAX3A	Huancayo, Peru	9pm-12 mid. approx.	
48.39	6.200	D--	Paris (Mondiale), France	2-5:10pm, Anyone heard lately?	
48.39	6.20	CP5	La Paz, Bolivia	7:15-9am, 7:30pm-12 mid; Su. 4-9pm.	
48.43	6.196	TG2	Guatemala, Guatemala	8:30-11am, 7pm-12 mid.; Sat. 7pm-4am.	
48.43S	6.195	GRN	London, England	11:40pm-2:40, 3-5:45am, 3-5, 7:15-8:15pm.	
48.47	6.19	H1LA	Santiago, D.R.	4:40-6:40, 7:40-10:40pm	
48.47	6.19	XECC	Puebla, Mexico	Heard evenings	
48.47	6.19	JLT	Tokyo, Japan	2:55-6:30pm... News- 3, 6pm.	
48.47	6.19	HVJ	Vatican City	2-3:45pm approx. irreg.	
48.48	6.188		Saigon, Fr. Indo China	8-10:30am.	

48.51	6.185	TIRCC	San Jose,C.R.	Tu/Th/Sat 7-8pm; Sun.9-10pm
48.54	6.18	XEXA	Mexico D.F.,Mexico	9:30am-12 noon,3:30-5,8:30pm-1:30am.
48.54S	6.18	GRO	London,England	11:30am-12:15,1:45-2:15pm
48.58	6.174	HI9T	Puerto Plata,D.R.	Daily to 7:40pm; Sat.tollpm or later.
48.62S	6.17	WCDA	New York City,N.Y.	7:47-11pm.
48.62N	6.17	CR7BE	Lourenco Marques,Mozambique	1-3pm, or later *
48.66	6.165	HER3	Berne,Switzerland	1:40-2:40,7-8:45am, 2-5:30pm
48.66	6.165	TILS	San Jose,C.R.	8-10:30am, 1-3:30,7-11pm (to 3am Sun)
48.70	6.16	HJCD	Bogota,Colombia	11am-1, 5pm-12 mid. /Noon
48.70	6.16	CBRX	Vancouver,B.C.,Canada	Relays CBR 10:30am-4am...News-
48.74	6.155	EQB	Teheran,Iran.	1-4pm...English talk at 3pm
48.74	6.155	CS2WD	Lisbon,Portugal	4-7pm
48.74	6.155		Anti-Vichy Station	5:10-5:20, 12:45-12:55am.
48.78	6.15	HI3C	La Romana,D.R.	Heard 8:20-9am, 5:55-7:10pm
48.78F	6.15	YV5RM	Caracas,Venezuela	12 noon-3,5-11:30pm; Sun.10:30am-2,5-11p
48.78	6.15	TIRH	San Jose,C.R.	Heard to 12:35am
48.78	6.15	ZRD	Durban,So.Africa	12:45-2:45,4:30-8,10am-5pm; Sun.2:10-2:45,6:30am-5pm
48.82	6.145	HJDE	Medellin,Colombia	10:30am-11:30pm
48.82N	6.145	KZRF	Philippines	6-10am...News- 9:30am *
48.90	6.135	EK8AA	Noumea,New Caledonia	3:30-4:30,9-10am; Sun.1:40-2:35am.
48.93S	6.132	CHNX	Halifax,N.S.,Canada	8am-12:15am; Sat.9am-12 mid., Sun.1pm-12:15am...News- 7am,3:30,5:30,11pm.
48.94	6.13	VUD2	Delhi,India	9:15am-12 noon...News- 11:50am.
48.98	6.125	MTCY	Hsinking,Manchukuo	3-11:30am, 6:30-7pm.
48.98	6.125	CXA4	Montevideo,Uruguay	7pm-12 mid.
49.00	6.122	HP5H	Panama City,Panama	7pm-12 mid.
49.02	6.120	OFH	Helsinki,Finland	2-3:30,8:30-9:30,11am-6:15pm
49.02	6.119	XEUZ	Mexico D.F.,Mexico	10am-2, 8pm-3am.
49.08	6.115	HI6H	Trujillo City,D.R.	10:40am-9:40pm
49.08	6.115		Komsomolsk,U.S.S.R.	9:15-9:45,10:15-10:45am,5:15-5:40,7-7:40,9:15-9:40,11:15-11:40pm.
49.10	6.11	CP2	La Paz,Bolivia	5pm-1am.
49.10S	6.11	GSL	London,England	2:10-3:45,11:30am-2:15,10pm-12:45am to NA...News- 5:15,6:45,8,9,10:45pm,12:30am
49.14	6.105	PRE9	Fortaleza,Ceara,Brazil	4:30-11pm
49.14	6.105	HJFB	Manizales,Colombia	6:30-11pm ex.Sun.
49.14	6.105	XGAP	Peiping,China	5-11:50am...News- 8am.
49.14	6.105	KZRC	Cebu,Philippines	3-9:30,5-8,10pm-12 mid.-Believed on air
49.21	6.097	HJFK	Pereira,Colombia	8-9am,7:05-11:30pm (to 3:30am Sun.ir.)
49.21C	6.095	PYD7	Sao Paulo,Brazil	5:40-10:45pm
49.25S	6.090	ZNS2	Nassau,Bahamas	9-9:15am,2-2:30,7-10pm (Sun.to 11:20pm)
49.25	6.09	CBFW	Montreal,Canada	7:30am-1am relays CBF programs...News- /11pm.
49.25	6.09	XEBF	Jalapa,Mexico	Heard evenings irreg.
49.33	6.082	OAX4Z	Lima,Peru	8pm-12 mid. or later
49.34S	6.08	GRR	London,England	1:30-1:45,7:20-7:35pm
49.34	6.08	CKFX	Vancouver,B.C.,Canada	10:30am-4am. /8:15...News- 7am.
49.34	6.08	ZFY	Georgetown,British Guiana	6:45-8:45,10:45am-12:45,3:15-
49.38F	6.075	HJCF	Bogota,Colombia	8pm-12 mid. *
49.42	6.07	CFRX	Toronto,Canada	7am-1:30am; Sun.11am-12 mid...News-
49.42	6.07		Komsomolsk,U.S.S.R.	9:15-9:45am...News- 9:20am /8am,4pm.
49.42	6.07	TIWS	Puntarenas,C.R.	8:30-11pm; Sun.3-9pm.
49.42	6.07	CR8AA	Macao,Macao	6-10am
49.46	6.065	SBO	Motala,Sweden	5:20-5:35pm...English- 5:20pm
49.48	6.063		Tananarive,Madagascar	10:30am-12:30pm approx.
49.50S	6.06	VQ7LO	Nairobi,Kenya	6:45-7:15am,12:30-3:30 ex.Sa/Su; Tues/Th 9:30-10:30am; Sa.6:45-7:30am,12:30-3:30 7-11pm. */pm; Su.12-3pm
49.50	6.06		Bangkok,Thailand	7-11am.
49.55	6.054	HJFA	Pereira,Colombia	10am-1,7:30-11:20pm.
49.59	6.05	GSA	London,England	12 mid.- 8:15pm (European Service)
49.59	6.05	OAX6A	Arequipa,Peru	7pm-12 mid.
49.59	6.05	HP5F	Colon,Panama	8-10pm
49.66	6.04	XETW	Tampico,Mexico	8pm-2am. /Sun.3-7:45pm.
49.66	6.04	WRUS	Boston,Mass.	1:15-11:15pm ex.Sa/Su; Sat.1:30-11pm;
49.73	6.035	CR7AA	Lourenco Marques,Mozambique	1-2,5:30-8,1-5:15pm; Sun.
49.73	6.03	HP5B	Panama City,Panama	11:30am-3, 7-11pm. /5:30-8,11am-3pm.
49.73	6.03	DXP	Berlin,Germany	10am-12 noon,5:50pm-2am to NA...News-
49.73	6.03	CFVP	Calgary,Alta,Canada	11am-3am. /7,8,9,10,11,12 mid,1,am.

49.73	6.03	MTCY	Hsinking, Manchukuo	3-10am.
49.75	6.03	XKXW	Morelia, Mexico	9am-2, 6pm-12:40am
250 49.78	6.026	HILJ	San Pedro, D.R.	12:40-2:40, 7:10-9:40pm, or later.
49.80	6.023	XEUW	Veracruz, Mexico	8am-1am.
49.83	6.02	DJC	Berlin, Germany	11:40am-5:30pm to Africa.
49.84	6.018	HJCX	Bogota, Colombia	8-9, 11:30am-3, 6:30pm-12:40am
49.88	6.015	H13U	Santiago, D.R.	8:10-9:55am, 12:40-2:40, 5:40-6:40pm.
49.92	6.01	CJCX	Sydney, N.S., Canada	6:45am-2:30, 9pm-12 mid... News- 7, 8am,
49.92	6.01	PRAS	Recife, Pernambuco, Brazil	4-10pm. /6:15p
49.95S	6.007	ZRH	Johannesburg, So. Africa	11am-5pm, 12:45-2:45am. *
49.96	6.005	CFCX	Montreal, Canada	9am-2am, Sun. 10am-12:15am.
49.96S	6.005	HP5K	Colon, Panama	8am-2pm, 6pm-12 mid... News- 9:30, 10:15,
49.96	6.005	CXA2	Montevideo, Uruguay	9pm-2am. /11:05pm
49.98	6.002	ZOY	Accra, Gold Coast	11am-4pm.
1000 50.00	6.00	XBBT	Mexico D.F., Mexico	11am-1:30am... News- 8:45pm, 1:20am.

50.13	5.985	XGOA	Chungking, China	3-5pm
50.13N	5.985		Cairo, Egypt	3:30-4:30pm... News- 4pm.
50.21	5.975	OAX4P	Huancayo, Peru	10pm-12 mid.
50.23	5.972	HCQRX	Quito, Ecuador	7:45-9am, Evenings to 11:45pm /6:30pm.
50.25	5.97	VONH	St. John's, Newfoundland	8:30am-2:30, 4:30-10:30pm... News-
50.45	5.947	HH2S	Port-au-Prince, Haiti	7:30-11pm
100 50.46S	5.946	PZX3	Paramaribo, Dutch Guiana	6:40-8:40pm (Sat. 5:55-6:25), ex. Sun; Sun. 9:10-11:40am.
50.51	5.94	OAX2A	Trujillo, Peru	9pm-12 mid.
50.54	5.936	PJG1	Willemstad, Curacao	8-10:20pm
50.68F	5.92	RV--	Khabarovsk, U.S.S.R.	1am-12 noon *
50.85	5.90	TIGPH-TIX	San Jose, C.R.	8:10-9am, 8-11pm, 11pm-1am.
50.90	5.89	ZNB	Mafeking, Bechuanaland	12:45-2:45, 7:30-8:10am, Noon-5pm... *
51.07	5.875	HRN	Tegucigalpa, Honduras	7pm-12 mid (Su. to 10:45/News- 2:15am)
52.17	5.75	YNJAT	Leon, Nicaragua	8-11:20pm
52.17N	5.75	J--	Tokyo, Japan	8-10am *
52.40	5.725	HCLPM	Quito, Ecuador	9-11pm ex. Sun.
52.45N	5.71	MTCY	Hsinking, Manchukuo	8-11am irreg.
54.00	5.56	HUB	San Salvador, El Salvador	2-3, 9:30pm-12 mid. with YSD

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60.48	4.96	VUD2	Delhi, India	7:30-9:30am... News- 8:30am
60.67S	4.945	HJCW	Bogota, Colombia	7:30-9am, 8:30pm-12 mid.
60.85	4.93	HJAP	Cartagena, Colombia	10am-2:30, 8-11:15pm ex. Sun.
60.98	4.92	VUM2	Madras, India	6:30am-1pm
61.18	4.905	HJAG	Barranquilla, Colombia	12 noon-12 mid.; Sun. 12 noon-9pm.
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.
61.48	4.88	VUB2	Bombay, India	10am-1:15pm... News- 12 noon
61.54	4.875	HJFH	Armenia, Colombia	9am-12 noon, 7-11:30pm
61.67	4.865	PRC5	Belem, Para, Brazil	6-9pm
61.67N	4.865	HJEX	Cali, Colombia	7-11:45pm *
61.73	4.86	YV5RU	Caracas, Venezuela	6-10:30pm; Su. to 11:30pm
61.78	4.855	HJCA	Bogota, Colombia	Relays HJCU evenings to 11pm or mid.
61.94	4.845	HJCD	Bogota, Colombia	11am-1, 5pm-12 mid.
61.98	4.84	VUC2	Calcutta, India	11:30am-1pm
61.98	4.84	YV1RZ	Valera, Venezuela	12:30-2, 6:45-9:45pm.
62.04	4.835	HJAE	Cartagena, Colombia	8am-7, 8-11:30pm
62.11	4.83	YV2RN	San Cristobal, Venezuela	12:30-1:30, 7-10:30pm ex. Sun.
62.16	4.823	HJED	Cali, Colombia	8-11:30pm
62.24	4.82	YV3RN	Barquisimeto, Venezuela	12:30-2:30, 6:30-10:30pm.
200 62.24N	4.82	XEJG	Guadalajara, Mexico	Relays XEJB 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
62.44	4.805	HJDU	Medellin, Colombia	7-9:30pm irreg.
62.50	4.80	YV1RX	Maracaibo, Venezuela	To 11:30pm
62.57	4.795	HJDX	Medellin, Colombia	6-11:35pm
62.63	4.79	YV6RU	Cuidad Bolivar, Venezuela	6:30-10:30pm
62.70	4.785	HJAB	Barranquilla, Colombia	6-11:30pm
62.83	4.775	HJGB	Bucaramanga, Colombia	7-11pm
62.89	4.77	YV1RY	Coro, Venezuela	7:30-11pm ex. Sun.
63.03	4.76	YV4RO	Valencia, Venezuela	11am-2, 5-10pm
63.20	4.747	YV1RV	Maracaibo, Venezuela	10:45am-12:45, 4:30-10:30pm

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