

THE GLOBE CIRCLER

COMPLETE GUIDE-BOOK FOR SHORT-WAVE LISTENERS



TWO RADIO OPERATORS OF THE BRITISH MERCHANT MARINE VISIT CAPTAIN H. L. HALL, SPRINGFIELD GARDENS, LONG ISLAND, N.Y.
(Left to Right): Peter Dean (G6DD); Captain "Skipper" H.L. Hall (Dean of Short-wave columnists); Dorothy Hall (Famous peacetime amateur W2IXY), and Peter Thayne (G2UT's son).

WHEN TO HEAR WAR NEWS IN ENGLISH
Daily E. W. T.

7:30 a.m.	Melbourne	VLG2	9.54	7:00 p.m.	Tokyo	JZK	16.15
8:00 a.m.	Tokyo	JZJ	11.80	7:00 p.m.	Berlin	DZD	10.54
8:30 a.m.	Chungking	XGOY	9.635	8:00 p.m.	Moscow		12.19
8:50 a.m.	Rome	2RO8	17.82	8:05 p.m.	Madrid	EAQ	9.860
9:00 a.m.	London	GRE	15.39	8:25 p.m.	Lahti	OIX3	11.78
9:30 a.m.	Berlin	DJB	15.20	8:30 p.m.	Rome	2RO4	11.81
11:00 a.m.	Stockholm	SBT	15.15	9:00 p.m.	London	GSC	9.580
12:00 noon	London	GRE	15.39	9:00 p.m.	Bern	HER4	9.538
12:30 p.m.	Berlin	DJB	15.20	10:45 p.m.	London	GRI	9.415
5:45 p.m.	London	GRG	11.68	12:00 mid.	Berlin	DXJ	7.24
6:45 p.m.	London	GRG	11.68	11:15 p.m.	Vichy		9.52
6:48 p.m.	Moscow		15.23	12:30 a.m.	London	GRS	7.07

INTERNATIONAL DX'ERS ALLIANCE

PUBLISHED MONTHLY

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

NOVEMBER, 1942

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The next Globe Circler will be mailed on about December 16.

TEN YEARS OF SERVICE TO THE LISTENERS

Ten years ago the IDA was born. Organized primarily to stimulate the hobby of broadcast band dx'ing, its scope was soon enlarged to also include the then comparatively new sport of short-wave dx'ing. A little later the scope of the IDA was again expanded to embrace the field of amateur dx reception and an additional publication, AMATEURING, was introduced. The IDA by this time was flourishing beyond our wildest dreams. Before the outbreak of World War II our organization actually included members in over 60 countries. With the war came a ban on amateur activities in all warring countries. This spelled the doom of amateur dx reception for the duration but other listening activities continued on an unabated basis.-- Came Pearl Harbor and the entry of the U.S. into the war, and IDA entered a new phase. Listening for pleasure only was out; listening in the interests of defense became our policy. Many of our members are already in the armed services. We are proud of them. Those of us at home are also trying to be useful by "listening" for information that may be of importance in the war effort. That our modest efforts are appreciated is borne out by the ever widening circle of government bureaus that are using the GLOBE CIRCLER as a primary source of shortwave information. In addition our publication is used constantly by radio networks, press services, monitoring stations, by the Canadian Broadcasting Corp.; the Australian Broadcasting Corp. and many other similar sources. Our Regional Monitoring Network is doing yeoman service in supplying important information that is in turn passed on to the proper sources. We wish to continue to do our share, that is to supply the most complete and accurate shortwave statistics possible. To do this we need the help of every member. Make it a habit to listen in just as often as possible; to take notes on what you hear, to send these notes to us. We will do the rest.

To continue this service; to continue our publication takes funds. Our one and only source of revenue is the small yearly subscription fee for the GLOBE CIRCLER. With many members in the armed services this revenue is greatly reduced. We ask your cooperation in three ways. 1) by paying your renewal promptly (whether you are dx'ing now or not); 2) by recommending our publication to anyone interested in shortwave reception; 3) by making a small contribution when, and if, possible-

Charles A. Morrison.

INTERNATIONAL DX'ERS ALLIANCE NOTES**NEW MEMBERS**

F.N.Heflin, Galveston, Texas...J. W. Young Jr., West Lawn, Penna...B.R. Rand, RIO DE JANEIRO, BRAZIL...Mrs. C. Swanson, Indiana, Penna...A. Katelus, Elizabeth, N.J...I.E. Ferguson, Winnetka, Illinois...J.K. Focht, Reading, Penna...C. Barger, District Heights, Md...L.J. Bert, Forrest, Ill...H. Budrecki, Elizabeth, N.J..... Oswald G. Villard Jr., Cambridge, Mass... Thos. S. Jones, St. Petersburg, Florida.

RENEWALS

Frank Sekach...Zana Kandle...Thos. Hazard...Eric Bristow...Art Hankins... Jim Wedewer...Earl Roberts...R. Skyten...Earl Petrie...Steve Mann...Mrs. Mabel Allen...John C. Jacobs...H. Campbell...Ray Messer... (Contributions): Ray Messer.

PERSONAL NOTES

IN THE ARMED FORCES: Eric W. Watson, formerly an editor of TUNE IN, in N.Z., now with the armed forces "somewhere" in Britain was rejected as a radio mechanic on account of color blindness; has been ill in the hospital...Fred Borchardt & Bob Hetzel (Milwaukee), and Steve Matula (Chicago), all in Signal Corps at Camp Swift, Texas, are now in the 6th week of their radio schooling, and like it fine; say the school is cool & comfortable...Stan Sosnowski, in the Air Force, when last heard from on Aug. 30, was stationed temporarily at Salt Lake City...Dick Coales, in the British Army, was married on June 2, to Molly Frew, a Scottish girl. Dick says food is still ample, although variety

is lacking; sweets are very scarce, especially fruits...Geo.C.Starry, Latrobe, Penna., left for the navy on Sept.24....IDA Vice-Pres. Chas. Trezise of Chicago, 43 years old, and in the British army, in World War I, has enlisted in the Air Corps, Chemical Warfare Div., and is at Herbert Smart Airport, Macon, Ga. Those who would like to write to Chas. can get his address at any time from his home address, 6440 Winchester Ave., Chicago...Gail Beyer, also of Chicago, has enlisted in the Air Force and is attached to the Ordnance Detachment at Ft. George Wright, Washington.

BUY, SELL OR LOAN

John C. Jacobs, 1418 Oxley St., South Pasadena, Calif., would like to buy a good used 27B- Hallicrafters...Francis Hartle, R.D.#1, box 30, Oil City, Penna, would like to buy a GSO, Howard or DB20 preselector...Thos. Van Auken, Box 386, Alpine, Texas, would like to buy a Belden # 8300 aerial...Ferrell Moreland, Bement, Illinois, will sell his almost new RME-99, guaranteed A-1 condition, to anyone, anywhere in the U.S. for \$125.00...Perry Ferrell, 107 East Bayview Ave., Pleasantville, N.J., now in the Air Force, will loan some member-preferably one with U.H.F. experience, two engineering model R.E.L. 517-A FM sets, (List Cont. from Page 16)

providing they will supply him with monthly reports on work accomplished. Both are to be kept in original condition and returned after the war. Send application to home address given.

PERSONAL

Aug. Balbi, Los Angeles, in addition to his regular work and R-M activities, has relayed messages from American prisoners in war in Japan, to over 60 families...RM Steve Mann now back at Dartmouth, has his Listening Post on top of Physics Building, where 3 excellent aeriels are available...Frank Sekach, Detroit, has a new "Defiant", but little time to use it as he works nights in a Naval Ordnance Plant...Bob Skyten, E. Brookfield, Mass., has joined the Mass. State Guard...Hal Newell of WGRC has been having some tough luck. First his wife had to have an operation; then he had to have an operation, then along comes a storm and the wind blows down his aerial. We hope all is well again by now.... Mike Fern, formerly of Hawaii, is now working in the Program Research Division of OWI in San Francisco...L.J. Krumlinde of San Francisco, has his HRO working again; has installed a Spiderweb Aerial which he bought thru an IDA ad from R. Juett, of Madison, Ind...E. Roberts, Indianapolis, works at Stewart-Warner as a tool designer.

49.83S	6.02	DJC	Berlin, Germany	8-9am, 1:45-5:30, 6:30pm-12:40am
49.88	6.015	HI3U	Santiago, D.R.	8:10-9:55am, 12:40-2:40, 5:40-6:40pm
49.92	6.01	CJCX	Sydney, N.S., Canada	7am-2:30, 9pm-11pm...News 7, 8am.
49.92N	6.01	DXO	Berlin, Germany	12 mid.-3am.
49.92	6.01	PRA8	Recife, Pernambuco, Brazil	4-10pm
49.95S	6.007	ZRH	Johannesburg, S. Africa	11:45pm-1:45, 10am-4pm.
49.96	6.005	CFCX	Montreal, Canada	9am-11:15pm
49.96S	6.005	HP5K	Colon, Panama	8am-2, 6pm-12 mid...News, 10:15, 11pm.
49.98S	6.002	ZOY	Accra, Gold Coast	11am-4pm...News 3:30pm
50.00	6.00	XEBT	Mexico D.F., Mexico	11am-1:30am...News 8:45pm, 1:20am.

50.17F	5.98		Radio Andorra, La Vieja, Andorra.	Exact schedule unknown. *
50.21	5.975	OAX4P	Huancayo, Peru	10pm-12 mid.
50.23S	5.972	HCLQRX	Quito, Ecuador	7:45-9am; Evenings to 12 mid. or later*
50.25	5.97	VONH	St. John's, Newfoundland	7:45am-2:30, 4:30-8:30pm.
50.26F	5.968	HVI	Vatican City	2-4pm; Fri. 2:15-2:30am. /12 mid.
50.34S	5.96		, So. Africa	11:45pm-1:45, 6:30-7:10, 10am-4pm...News-
50.45SS	5.947	HH2S	Port-au-Prince, Haiti	7:30-11pm; Sun. 12-2pm
50.51	5.94	OAX2A	Trujillo, Peru	9pm-12 mid.
50.54S	5.935/5.89		Khabarovsk, U.S.S.R.	4am-1pm. *
50.90S	5.89	ZNB	Mafeking, Bechuanaland	11:45pm-1:45, 6:30-7:10, 10am-4pm. *
51.07S	5.875	HRN	Tegucigalpa, Honduras	7pm-12 mid (Sun. to 10:45pm)
51.15	5.865	PZX3	Pamaribo, Dutch Guiana	7:40-9:40pm ex. Sa/Su; Sa 5:40-
52.17	5.75	YNJAT	Leon, Nicaragua	8-11:20pm /8:40pm; Sun. 9:10-11:40am.
52.40	5.725	HCL1PM	Quito, Ecuador	9-11pm ex. Sun.
52.45N	5.72	MTCY	Hsinking, Manchukuo	8-11am *
59.39	5.052	WDI	Hicksville, N.Y.	3:45-6am.

60 METER BAND

60.41F	4.965	HJAE	Cartagena, Colombia	8am-7, 8-11:30pm
60.48S	4.96	VUD2	Delhi, India	7-11:15am...News- 8, 11am.
60.67	4.945	HJCW	Bogota, Colombia	7:30-9am, 8:30pm-12 mid.
60.85	4.93	HJAP	Cartagena, Colombia	10am-2:30, 6-11:15pm ex. Sun.
60.91F	4.925	HJAG	Barranquilla, Colombia	12 noon-12 mid. (Sun. to 10:30pm)
60.98S	4.92	VUM2	Madras, India	From 6:30am on (Balance of 61 Meter
61.29	4.895	HJCH	Bogota, Colombia	12:30-3, 7pm-12 mid. Band in JULY G.C.)

SHORT WAVE NOTES

EDITOR-IN-CHIEF--CHARLES A. MORRISON

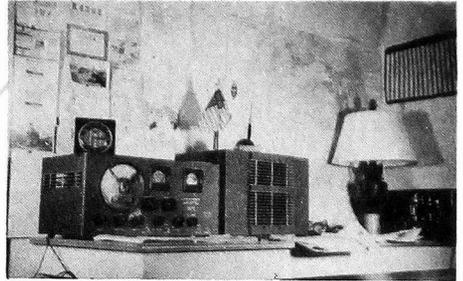
ASSOCIATE EDITORS: J. Wilson, August Balbi, Grady Ferguson, R. Juett,
W. W. Lyerly, Robt. Skyten, Chas. Lebouef.

PRESS DEADLINES FOR DECEMBER - JANUARY GLOBE CIRCLER: November 28
DECEMBER - JANUARY GLOBE CIRCLER will be mailed on, or about Dec. 16.

SHORTWAVE NOTES FOR THE GLOBE CIRCLER

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

Four star (****) items denote exceptional merit...Each Five star (*****) item pays its contributor \$2.00 in war stamps...In crediting items the general geographical location of that member- if in North America- is shown as: E- Eastern; C- Central; W- Western. If foreign, the country, or an abbreviation of that country is given.



THE LISTENING POST OF ALLAN MOSER, WINNETKA, ILLINOIS.

GOVERNMENT TO TAKE OVER ALL U.S. SHORT-WAVE BROADCAST STATIONS

According to press releases issued early in October the War Communications Board has approved a plan whereby the U.S. Government will take over and operate all short-wave broadcast stations in the U.S. These transmitters are to be under the direct control of the Office of War Information and the Coordinator of Inter-American Affairs, and are to be operated on a 24-hour basis. According to Robt. Sherwood, director of OWI's overseas operations, "the new plan contemplates use of 36 transmitters in all, 14 of which are now in operation. The OWI's request for funds included \$7,068,000 for the installation of 12 new stations. It is rumored that all programs will originate from the General Motors Bldg., New York.

ISSUANCE OF AMATEUR STATION LICENSES DISCONTINUED

Effective Sept. 15, the F.C.C. discontinued the issuance of new, renewal, or modified amateur station licenses until further order of the Commission.

SHORTWAVE NOTES NORTH AND CENTRAL AMERICA

E.W.T.

E.W.T.

BAHAMAS ZNS2 (6.09), now operates weekdays 9am-1:30, 6:30-10pm; Sun. 6:30-10am, 6:30-10:25pm or later. Local news at 1pm; rebroadcasts BBC English news at 9am and 9pm (Ferguson, E, Juett, Lyerly-C, Krumlinde-W)

CANADA On Sept. 18, the Canadian Gov't. approved immediate construction of a high power short-wave broadcast station at Sackville, N.B., at a cost of \$800,000. The station will be operated by the C.B.C. (Chi Trib)...CBFY, Montreal is having crystal trouble again causing it to jump in freq. to 11.745 irreg. (Jones, Hankins, Ferguson-E, Wedewer, Lyerly-C, Balbi, Picard-W)

C.R. TI4NRH (9.74), says operating power is 900 watts (Ferguson-E)

CUBA COBC (9.375), broadcasts a Chinese hour, Sat. 8:30-3:40pm (Balbi-W).

...COBQ (9.22) varies in frequency (Baxter-E)...COCM (9.833) has also been having crystal trouble, jumping around between 9.765 and 9.833 (Juett, Lyerly, Kopp-C; Krumlinde*W)...COCQ (9.515) is heard 6-9am (irreg. to 11am), and 8-11pm (Juett, Wedewer, Lyerly-C)...COCW (6.33) now signs-off at 2am (Kopp-C)...COGF (announces 11.80 but near 11.805), Unidos de la Playa, Matanzas, is back on the air and being heard 12:30-3pm; Sun. 1:30-3pm & irreg.; announces in English frequently & requests reports (**Lebouef, Baxter, Ferguson, Hankins-E, Juett, Lyerly, Wedewer-C). ...COK (11.623), has English-Spanish news at 3:45 & 6pm (Wedewer-C)...COKG (8.955), operates 7-10:30am & 3:15-11:30pm approx (Skyten, Wilson, Baxter-E, Kopp, Lyerly-C)...NEW: CMZ1 (7.75), "Emisora Oficial de Gobierno la Republica de Cuba,

"Capitan Rafael Gonzalez,Palacio Presidential, Havana, relays CMZ (630).Heard 8am-1,4-8,11pm-1am approx. Requests reports (**Ferguson-C,Lyerly,Juett-C) CURACAO PJCI (7.25) now broadcasts 7:45-10:15pm; in French 8:30-9 (news at 8:30); in Dutch 9-9:30 (news at 9); in English 9:30-10 (news at 9:30); signs off with Dutch anthem (Ferguson,Gozen-E, Krumlinde,Balbi-W*)

EL SALVADOR YSY (7.203) broadcasts 8:30pm-12 mid. (Skyten,Gozen,Baxter-E,Kopp) GUATEMALA TGWA (15.17),now broadcasts Sun. to 7pm; 6:30-6:45pm is an English commentary about Latin America for rebroadcast in U.S. (*Krumlinde)...TGWA (9.685) now operates 9:50pm-12:45am (Hankins,Wilson-E)...TGWB (6.49)now broadcasts 6:30pm-1am; Sun.7pm-1am (Hankins-E,Kopp-C)...TG2 is now on 6.205 (Gozen)

HAITI HHBM (announced 9.645 but actually 9.658), broadcasts mornings 6:30 to 8am, (or later irreg.) (Hankins,Ferguson,Becker,Wilson-E,Juette,Lyerly-C)

HONDURAS HRN (5.875) signs-off at 12 mid.; Call in English at 11:30pm(LK-W)

JAMAICA ZLI (4.70), is still broadcasting 6:15-7:15pm (Ferguson-C)

MARTINIQUE Radio Martinique (9.705) has French news at 8pm (Wedewer-C)

MEXICO XEQX (9.68) now opens daily at 10am, with selection "Bolero" (WL) ...XEWX has dropped the 15.16 frequency again;is roving around in the vicinity of 9.50, being heard on 9.545, 9.51 and 9.49 at various times (Ferguson-E, Lyerly,Juett,Wedewer-C)

NICARAGUA YNDG (7.66),Leon, power 200 watts, owned by Dennis E. Gallo, verified with a red,white & blue card; signs-on at 8pm (Kopp-C)...YN2FT (7.49), also signs-on now at 8pm (Kopp-C)

PANAMA HP5A (11.70) broadcasts Sun.10am-2:30,9:15-11:15pm (Lyerly-C).... HPSG (11.78) broadcasts 9:15-10:30am,12:45-4,9:15-11:15pm; Sun. 9:15am-1,9:15-11:15pm; News in English at 9:35am, 1pm; Special Army-Navy program on Sundays 12:45-1pm (*Lyerly, Wedewer-C, Ferguson-E)...HP5K (6.005), has English news at 11pm; verifies with blue & red card (Krumlinde-W, Kopp-C)

U.S.A. KWID is licensed to operate on 6.06,7.23,9.57,11.87, 15.29,17.76 & 21.61. Operates at present as follows: 6-10pm to SA and 10:30pm-2:35am to Asia on 15.29; 3-6 to Australia, 6:15-9, 9:15am-12:05pm to Asia on 7.23.KWID's programs are also relayed as follows: 3:30-7:05,7:30-10:30am over KWW(10.84); 11:30pm-6am over KES3 (10.62), and 6:15am-12:05pm over KES2 (8.93) (Fern-OWI, Young,Wilson,Davidson,Hankins,Lebouef-E, Juett,Kopp-C, Krumlinde,Picard, Richardson-W)...KGEI operates: 7pm-12 mid. to S.A. on 15.33; 12:15-3am to Far East on 11.73, and 3:30am-Noon to Far East on 9.55. Programs are relayed 12:15am-12 noon over KET (9.48) (Fern-OWI, Krumlinde-W, Wedewer, Lyerly-C)... "Voice of America": 3:45-5pm over WCB (15.58); WDL (9.75) 4-8am; 12 mid.-4am over WDJ (7.565); 7pm-12 mid. over WJP (8.81); 12 mid.-4am over WJQ (10.01). Other stations operate on same schedules as given previously in list (*Lebouef, Wilson, Hankins-E; Juett,Lyerly,Kopp-C; Picard,Krumlinde-W)...CBS operates as follows: WCBX, 6am-3:45,3:47-7:30pm on 15.27, 7:40-11pm on 9.48; WCDA, 6-8,9:15-10am on 9.59, 3:15-4:45,4:50-7:15pm on 11.83, 7:25-11pm on 9.59; WCRC, 6am-3:30,3:47-7:30pm on 17.83, 7:32-11pm on 11.83 (Wilson, Brehmer,Hankins-E, Lyerly, Juett, Kopp,CAM-C, Krumlinde-W)...WGE0's new 100 kw transmitter was dedicated on Sept. 21 (G.E.CAM); now operates 6-8am on 9.65, 2-4:45pm on 11.847, 5-11:45pm & 12 mid-1am on 9.53 (Wilson,Ferguson,Lebouef,Hankins,Mrs.Swanson-E, Juett,Wedewer, Kopp-C, Krumlinde,Picard-W)...WLWO operates, 8-9, 10am-1pm on 15.25, 1:15-6pm (Sun.to 5:45pm) on 11.71, 6:30-7:45 (Sun from 6pm) on 15.25, 8pm-12 mid. on 11.71, 12:30-2:30am on 6.08 (Wilson,Hankins-E, Kopp-C, Krumlinde-W)...NBC stations operate as follows: WRCA, 9am-4:40,4:55-7:45pm on 15.15, 8pm-4:45am on 9.67; WNBI, 9am-12:45pm on 17.78, 1-4:40pm on 11.89, 4:55-7:45pm on 17.78; 8pm -1:10am on 11.89 (Wilson,Hankins,Davidson-E,Kopp-C, Krumlinde,Picard-W)..... WBOS operates 9am- 1:45pm on 15.21; 5-7,8pm-1:10am on 11.87 (NBC)

SOUTH AMERICA

ARGENTINA LRU-LRX relay the programs of the Blue and White Network whose key station is LRL (1070)(LRL)...LSN2 (9.89) pickup CBS news in Spanish 10-10:15p (Ferguson-E)

BRAZIL P-- (12.08), Rio de Janeiro, is heard almost nightly 8-10pm with Spanish news, music and pickups from N.Y. (Skyten, Wilson-E, Juett-C)...PRE9 (15.165) signs-off at 12 noon (Wedewer-C)...

CHILE CEC (10.67) broadcasts Spanish comments 8-8:15 or a little later (Lebouef-E,Lyerly-C)...All Chilean stations now have the prefix CE (CE960).... CELL70 (11.70) has not been heard recently (Lyerly-C)...CELL74 (11.743), broadcasts 8-9,11-11:30am,6pm-12:30am (Wedewer,Lyerly-C)...CELL90 (11.96) is not on the air (Lyerly-C)

COLOMBIA HJAE, Cartagena, now back on 4.965 (Lyerly-C,RL-E)...HJAG, Barranquilla, has shifted to 4.925 where it is qrm'd by HJAP(Lyerly-C,RL-E)...HJCT, Bogota, is now on 6.25; operates 7pm or earlier to 11:40pm (Gozen-E,Kopp-C,AB)

ECUADOR HCJB (12.455, 9.958), transmits to Europe at 6:30 p.m. on Tues. in Swedish; on Wed. in French; on Thurs. in Czech, and on Sat. in Russian. (HCJB) ...The Quito station on 7.266 is not HCJB but a NEW station HC1BF, "Radio Commercial", which relays HC1BD, 8-11pm (to 11:30pm Sat) ex. Sun (**Kopp-C, Baxter, Gozen, -E)...HC2AK(9.34) is not being heard at present- may be transmitter trouble as had bad hum for some time (Young-E, Wedewer, Kopp-C)

PARAGUAY ZPA2 (11.721), broadcasts 6:30-9:45pm or later; Sun. 7-10:15pm (Ferguson, Hankins-E)

PERU OAX4T (9.562) now operates 9-10:15am (Lyerly-C)...OAX4Z (6.082), broadcasts a program, "Peru Calls You", in English for N.A., Mondays 11:30-1150 pm. Send reports to "Peru Calls You", Lima (*Krumlinde-W)

URUGUAY CXA4 (6.125) and CXA19 (11.705), "Radio Espectador", broadcast simultaneously, 6-11pm (Sat. to 11:30pm. CXA19 is badly qrm'ed by HP5A from 9:15pm on (*Lyerly-C, Baxter-E)...NEW: CXA10 (11.895), "Radio Electrica", Servicio Oficial de Difusion Radioelectrica (SODRE), Mercedes 823, Montevideo, operates 7:25-10:10pm. CXA6 (9.625), the same transmitter, is now in operation 11am-7:25pm (**Skyten, Wilson, Ferguson-E, Baxter, Lyerly, Wedewer, Kopp-C, Balbi-W)

VENEZUELA A harmonic of YVLRV (4.75), Maracaibo, is heard nightly on 9.50, under XEWW, 7-11pm (Baxter-E, Lyerly, Juett)

AFRICA

BELGIAN CONGO "Radio Congo Belge" (17.77, 11.72) now broadcasts 2:30-4:45pm. Last 15 mins. is pickup of French news from WLWO (Ferguson, Baxter, Skyten-E, Wedewer-C, Balbi-W)...Leopoldville frequencies of 15.175 & 11.73 are not heard at present.

EGYPT Network pickups between 6:30 & 7:30pm originate over SUV (10.055), or alternately SUX (7.865). SUV (10.055) still heard poorly 1:45-3pm (Ferguson, Baxter, Skyten-E, Wedewer-C)...Reports on the Cairo stations may be sent to the British Broadcasting Corp., 620 Fifth Ave., New York City (Bringhurst-E)

FRENCH WEST AFRICA Radio Alger advised its listeners to watch for French news from Niamey, Niger (9.977 or 9.375), Dakar (9.41 or 9.74), or Cotonou, Dahomey (9.74) (**Lebouef-E)

GOLD COAST ZOY (6.002), Accra, gives colonial news at 3:30pm; a topical talk in English at 3:45 to sign-off at 4pm (Burton-England)

MIDDLE CONGO FZI (11.97), gives news in Spanish at 4:15 & 5:15pm; in French at 4:45pm; verifies in about six months with a letter and booklets on "Fighting France". Brazzaville would like listeners to tell them what they think of their programs (**Skyten, Becker, Lebouef-E, Kopp-E, Lyerly-C)

MOZAMBIQUE CR7BD (15.247), comes on every afternoon now at 1pm. The Sun. 11am-1 pm program for Australia has apparently been cancelled (Lebouef, Baxter-E)

SENEGAL FGA (9.41), Dakar, now heard 3:15-6pm (Baxter, Lebouef-E)

SOUTH AFRICA Corresponding with the return of So. Africa to Daylight Saving Time, the SABC network now opens daily at 11:45pm instead of 12:45am (all schedules are advanced one hour). Stations now being heard at 11:45pm are: ZTJ (9.909), also weak at 8am; ZRD (6.147), also weak at 6am; ZRK (6.097) weak; ZRH (6.007), heard very strong; ZNB (5.89), very strong; Z-- (5.96), very strong (all in English). All stations relay the BBC English news at 12:30am. The station on 5.96 gives the S. African Press Assoc. News 12-12:05am (**Hankins-E, Van Auken-C, Krumlinde-W)

EUROPE

ANDORRA "Radio Andorra" has shifted to 5.98 mcs. (Burton-England)

AZORES The "National Radio of the Azores", at Ponta Delgada, now broadcasts as follows: 3:00-4:00 p.m. on 11.09; 5:00-7:00 p.m. on 4.020. Transmissions open with clock striking & Portuguese anthem (*Skyten, Baxter, Wilson, Mann, Ferguson-E)

CLANDESTINE Radio Caledonia (7.01), Anti-British, heard near 4:45 p.m. (NZDXC) ... Sudaten German Freedom Station on 11.93, 7:35-7:55am, and on 9.88, 2pm in Czech, 2:25-2:45pm in German. Signs off with "Make an end with this War, make an end with Hitler, Freedom for the Sudaten Germans." (NZDXC)...Christian Peace Movement (9.4), 2:45-3, 3:45-4pm (NZDXC)...Zarossiu (11.37 or 13.62), station of the Ukrainain independence movement, axis-sponsored, 12-12:30am in Russian (OWI)...Rumanian Freedom Station (11.600), talk in Rumanian by a man 4:15-4:25 pm (Baxter-E)...Jugoslav Freedom Station (approx. 11.01), 2:45-3pm, in Serbo-Croat (*Lebouef-E)...Unidentified station on 9.48, heard 1-1:15 & 5-5:15pm, with man and woman speaking in German. Six-note tune signal is played several times during the broadcasts. May be German Revolutionary on new freq. (Jones, Baxter-E) ... "Radio Metropole" (may be old Beograd transmitters) broadcasts on 9.48 as follows: 12:30-1pm French, 1-2pm English (news at 1:15pm), 2-3pm French (news at 2:30pm), 3:15-3:30pm unknown language, 4:10-5pm French (news at 4:30pm, 5:00-6:05pm English (news at 5:15pm), signs-off at 6:05pm. The English announcements are by a woman but news is read by a man. According to closing announce-

ment station returns to air at 11:15 a.m. Eastern European Time on 15.24 mcs. (**Skyten,Lebouef,Jones,Becker-E,NZDXC)

ENGLAND The Pacific Transmission is now broadcast from 1:45 to 4:45 a.m. The N.A. Service of the BBC is now as follows: 5:15-12:45 a.m. over GSC (9.58); 5:15pm-12:30am (to C.A.) over GRH (9.825); 5:15-9:45 (9:45pm-12:45am to S.A.) over GRG (11.68),GSD (11.75); 5:15-6:45pm (to Africa) over GRY (9.60); 5:15-6:15pm (to S.A.) over GSF (15.14); 9:30pm-12:45am over GRI (9.415); 10pm 12:45am over GRW (6.145) & GSL (6.11); 10:45pm-12:45am over GRM (7.125); 11:00 pm-12:45am over GRS (7.07) (Wilson,Hankins,Davidson,Young,Gozen,Becker, Baxter, Skyten,Hartle,Ferguson-E, Juett,Kopp,Lyerly-C, Picard,Krumlinde,Balbi-W)..Other changes in BBC schedules are shown in list- Ed.

FINLAND "Suomen Vapaus Radio" (Finnish Freedom Radio),is heard 6:05-6:25am on approx. 11.84 or 11.94; Also supposed to be on at 3:55pm in 3l & 4l M bands. (**Skyten-E)...New Finnish prefix is OIX(NZDXC)...Lahti now broadcasts to N.A.: 2:05-2:50pm over OIX4 (15.19),OIX3 (11.785),OIX2 (9.495); 8:25-9:10pm over OIX3 and OIX2; 11:05-11:50pm over OIX4 and OIX3 (**Skyten,Hankins,Mann-E)

FRANCE "Radio Uncommu"now on 8.12, gives news in English at 3:30pm; in French at 4:00 p.m. (Burton-England)...Vichy (11.845), broadcasts English talk at 4:30pm (Wilson-E,Kopp-C)... "Paris Mondial" (11.885) is on now 3-5:15pm(JW-E)

GERMANY NEW: "Deutscher Volkssender" (15.08), heard 10-10:20am with anti-Nazi talk in German (**Young-E)... "Gustav Siegfried Eins" is using 9.482 for most of its broadcasts now; occasionally 9.645 (Jones,Ferguson-E,Wedewer,Juett) ... "Wehrmacht Sender Nord" (10.04), also heard 5:30-5:50pm(Baxter-E)... According to "Newsweek" Germany will put several new 200 kw transmitters into operation shortly...Names of U.S. prisoners of war taken from torpedoed merchant ships are often broadcast by Berlin at approx. 10:15pm (Balbi-W)...DXK2(9.527), not DXY, broadcasts the European Service 9am-6:15pm (with DXH2- 15.12, to 11:25 am) (Wilson,RL-E)...DXF2 (11.90),Berlin, is now being heard 4:30-11:20am(Wilson) ...DXX (6.14),Berlin, operates 10pm-12:15am (Wilson, Jones-E)...DZH (14.46) is not on 5:50pm-12 mid. at present (Wilson-E)...DZG (15.36), DXU (15.32) are off the air at present (RL-E)...Other Berlin changes shown in list.

ICELAND TFJ (12.236),Reykjavik, heard on a recent Tues.at 4:45-5:00 & 7:20 pm originating pickups for American networks (Becker,Cobb,Jones-E)

IRELAND Radio Eirrean now comes on air on 9.595 at 5pm; freq. of 15.12 does not seem to be in use at present (Wilson,Mann,Baxter-E, Picard-W)

ITALY Rome broadcasts an English news bulletin at 9:20-9:30am over 2RO21 (15.047),2RO22 (11.95),2RO11 (7.22);others at 12:20 p.m. over 2RO21,2RO22,2RO11; at 3:30pm over 2RO3 (9.63),2RO4 (11.81), 2RO6 (15.30), and at 5:15pm over 2RO3, 2RO22,2RO20 (10.33),and 2RO11,2RO4,2RO6,2RO23 (6.30). Other changes given in the list (Becker,Hankins,Wilson,Skyten,Ferguson,Baxter-E, Picard-W)

NORWAY Norske Frihittsender(Norwegian Freedom Station)(Currently on 15.06), is being heard 2:30-2:40 & 5:45-5:55pm with Norwegian talks by man; qrm'ed heavily as a rule (*Skyten,Baxter-E)

PORTUGAL A station on 11.72 using the Portuguese language was heard one morning with fair signals; signed off at 7:58am. Maybe Leopoldville (Ferguson-E)

SLOVAKIA Radio Bratislava (9.503) is now heard nightly 7-7:45pm to NA. Signals very strong at times (Skyten-E)

SPAIN EAQ (9.86) now broadcasts to N.A., 8-9pm; in English 8-8:15pm; also 2-3pm to Europe; English news at 2:15pm (Ferguson,Lebouef,Jones-E, Juett-C)

SWEDEN Listeners are still invited to send reports on Stockholm to the Swedish Legation, Washington. They do their best to get veri's(Ferguson,Hankins)

SWITZERLAND The Bern broadcast to Latin America is now broadcast 7:45-9:10pm, over HER4 (9.583) and on a new freq. of 11.715 (Gozen-E)...According to the Swiss Broadcasting Corp., any one of the following frequencies may be used in Bern's broadcast to N.A.: 6.055, 6.165 (HER3), 9.538 (HER4), 11.865 (HER5), 15.305, 17.784 (HER3), 21.52 (HER4) or 25.64 (HER5)(*Becker-E,Moser-C)

U.S.S.R. The following Soviet transmissions have been reported recently: (Locations indicated as: KY- Kuibyshev; K- Komsomolsk; M- Moscow; S- Sverdlovsk) Directed to N.A. (effective Oct.)

- 7:40-8:19am 15.745 K, 15.23 K, 10.445 M, 9.545 K, 9.86 S. (Sun.7:40-9:30am)
- 10:15-10:40am 15.23 K, 9.545 K
- 5:15-5:40 pm 15.23 K, 15.11 K
- 6:48-7:25pm 15.23 K, 15.11 K, 12.19 M, 11.95 M, 6.98 M.
- 8:00-8:50pm 12.19 M. 9:15-9:40pm 15.23 K, 15.11 K
- 9:00-10:00pm 11.95 M. 11:15-11:40pm 15.23 K, 15.11 K 9.565 K
- Other broadcasts heard
- 12-12:30,2:45am- on 9.565 K, 5.936 Khabarovsk
- 1-2:45am or later 6.13 Ky.

8-10am 5:30 Khabarovsk
 7-9:15am 14.4 Ky (English news at 9am)
 9:30am-12:15pm 13.01 Ky (English news at 9:45am)
 2pm on 7.52 M 6:30-6:48pm 12.19 M (Russian)
 Near 4pm 8.05 Ky 9:00-9:15pm 15.23 K, 15.11 K.
 (Hankins,Lebouef, Skyten,Ferguson,Hartle,Baxter,Wilson,Young,Mrs.Swanson-E,Balbi,
 Krumlinde-W,CAM-C)

VATICAN CITY HVJ (5.968) broadcasts to Europe 2-4pm. Vatican broadcasts to N.A. are now made over HVJ (11.74),Thurs.8-8:20pm & Sun.8:30-8:50pm (Burton-England)

ASIA AND OCEANIA

AUSTRALIA Daylight Saving Time started on Sept. 27 (Balbi-W)...There haven't been any messages from American soldiers since Sept.26 (Ferguson-E,Mrs.Swanson-C,Balbi-W). . . LATEST SCHEDULE OF OVERSEAS BROADCASTS FROM AUSTRALIA FOLLOWS:

12:25-1:10am to W.NA- VLG3-11.71 4:25-5:00am to New Caledonia VLG3-11.71
 VLQ5- 9.68 5:30-5:40am to AIF in S.W.,Eng.VLG3-11.71
 1:13-1:30am to A.I.F. VLG3-11.71 6:40-7:15am to N.E.Asia, Eng. VLQ2-11.87
 1:55-2:40am to Tahiti VLG3-11.71 7:25-8:30am to E.N.A. VLG2- 9.54
 2:55-3:27am to Britain VLG3-11.71 8:45-10:50am to S.E. Asia VLG2- 9.54
 VLQ5- 9.68 (in Malay,Dutch, VLW6- 9.68
 French,English,Thai)
 3:30-4:00am to Japan VLG3-11.71
 4:00-4:20am to Australia VLG3-11.71 11:00-11:45am to W.NA. VLG2- 9.54
 (English news) VLW3-11.83 10:25-11:10pm to N.A.(NEW) VLG6-15.23
 (Hankins,Richardson,Pagenhardt,Ferguson,Wilson, Bailey, Hartle,Becker-E, CAM-C,
 Krumlinde,Balbi,Tibbetts-W, Cushen-N.Z.)

BURMA Unidentified Rangoon (12.995),heard in Burmese 12-12:45am (OWI)

CHINA XGOA (9.72) now operates 1-3:30,7:30-10:30am (Ong,Krumlinde-W)...The sked for XGOY (11.90) has been changed slightly:11:35am-12:30,2:30-4,5-6pm.News in English now 12 & 5:30pm (Becker,Skyten,Hankins-E, Krumlinde,Tibbetts-W).....
 XOJD (6.108) now signs at 8:30am (Van Auken-C)

F.INDO CHINA Radio Saigon (11.775),operates 6am-12:30, 7:45-8:20pm; English news at 7:30,11,11:45am. Call is given as "Free India Radio, Saigon" during India hour 10:30-11:30am (Ferguson,Becker,Hankins-E, Lyerly-C, Krumlinde-W)

HONG KONG JZHA (9.47),operates 7-10am; English news at 9:10am (Krumlinde,Balbi)

INDIA "Voice of Free India" (9.40) also heard 6-7:30pm irreg. (Juett-C).... Address of "Radio Libre D'Orient" (9.04) is Free Frehchmen of India, 24 Bruce St., or Box 45, Bombay (Cushen-NZ)...India stations are being heard best at the hours following EWT): (English news is referred to as NEWS)

VUD4 (11.83),8-11am weakly /9:30pm	VUM2 (4.92),from 6:30am on
VUD3 (9.59),8-11am,9-11pm- NEWS 8am,	VUB2 (7.24),7-11:30am
VUD2 (7.29),7-11:15am,8:30pm- NEWS 11	VUB2 (4.88),weak around 7am
VUD2 (4.96),7-11:15am...NEWS 11am./am	VUC2 (7.21),8-10 or 11am.
VUM2 (7.26-7),9-11:30am,8:30-10pm- /NEWS 9:30pm.	VUC2 (4.84),7-11am

JAPAN Unidentified stations with Tokyo programs heard on 5.79 and 4.945, daylight to about 8am (Van Auken-C)...Tokyo's broadcast to W.NA,is now carried, 1125pm-2:30am over JZJ,JZK; 12-2:30am over JZI (9.535)(Balbi-W)...Messages from American prisoners now heard at 7:15,10:15pm over JZJ (11.8),JZK (15.16).Period opens & closes with "Bring Back My Bonny" (Becker,Hartle-E,Krumlinde-W)...A new propaganda stunt, Maggie & Jiggs,is broadcast at 1:30am over JZJ-JZK (Balbi-W)

JAVA PMC (18.135),Batavia,has Jap sponsored English news at 9am (Skyten-E)

MALAYA Shonan (12.00),Broadcasts English news at 9, 9:45am; English talks at 11:15,11:45am; messages to Malays elsewhere at 12:25am(Becker-E,Krumlinde,AB-W) ...The Penang Broadcasting Station (6.095),operates 6-10am; English news at 930 am; qrm'd by an unknown station (Balbi-W, Van Auken-C)

MANCHUKUO Call for Hsinking on 10.065 is MTCY (RL-E)...MTCY (6.125), continues to operate 3-8:30am (Krumlinde-W)...Hsinking's program to So.Seas,is now believed to be on daily 8-11am over MTCY (9.545) and a new freq. of 5.72; also heard on 11.775 irreg. (**Krumlinde-W,Wedewer, Van Auken-C,NZDXC)

P.I. KZRH (11.628,9.64,6.145), operates 12-3:40,4-9am,6pm-12; English news at 6:45,8:30am (*Krumlinde,Balbi-W)

SARAWAK Kuching (6.985),(former VQF2),is heard again with Jap & native talks, 12:15 to fade-out at 2:00am irreg. (***Van Auken-C)

THAILAND HSP5 (11.715),has news cast in Thai at 8:45am; in English at 9:30am. Announces in English as "The Broadcasting Corp. of Thailand every half hour.

TURKEY TAP (9.465) signs-off at from 3:45 to 4pm. Reports can be sent to the Consul General of Turkey,1775 Broadway,New York City,N.Y. and they will be forwarded.Veri's will be sent but dx'ers must wait about one year for answer due to mail situation (*Bringhamst,Lebouef,Ferguson,Jones,Becker-E, Stoneman-W)

SHORT-WAVE BROADCASTING STATIONS

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

METERS	MEGS.	CALL	STATION	LOCATION	TIME	EASTERN WAR
13 METER BAND						
13.86S	21.84	GRZ	London, England		7:15-8, 8:15-9:15am	
13.97	21.47	GSH	London, England		6:45-11:15am to Africa	
15.81S	19.59	2R017	Rome, Italy		7-7:25, 7:30-9:15, 10-10:20am, 12-12:45pm	
16.23S	18.48	HBH	Bern, Switzerland		Tu/Sat 9:45-11:15am	
16.54S	18.135		Batavia, Java		8-10am, 10-11pm...News 9am	
16.60n	18.07	PCV	Kootwijk, Holland		Approx. 9:20-11am.	
16 METER BAND						
16.64S	18.03	GRQ	London, England		6:45-11:15am to S.A.	
16.77S	17.89	GRP	London, England		6:45-11:15, 11:30am-12:30pm to C.A.	
16.81	17.85		Vichy, France		7:30-8:15am to NA, 8:30-9:15, 10:45-11:30am	
16.81	17.845	DJH	Berlin, Germany		3:45-11am.	
16.82	17.84		Athlone, Ireland		8-9:30am, 1:30-2:15pm...News 1:45pm	
16.83S	17.83	WCRC	New York City, N.Y.		6am-3:30, 3:47-7:30pm / News 8:50am, 12:15p	
16.84	17.82	2R08	Rome, Italy		7-7:25, 8:30-9, 11:50am-12:45pm to NA.....	
16.84S	17.81	GSV	London, England		1:45-5:45, 6:45am-2:15pm	
16.86S	17.79	GSG	London, England		6:45-7:30, 7:45-8, 8:45-9, 9:45-10, 10:30-	
16.87	17.785	JZL	Tokyo, Japan		2:55-4:15, 5-11am / 10:45am, 12:30-12:45pm.	
16.87S	17.78	WNBI	New York City, N.Y.		9am-12:45, 4:55-7:45pm.	
16.88S	17.77	2R07	Rome, Italy		7-9:45, 10-11, 11:30am-12:55pm	
16.88	17.77		Leopoldville, Belgian Congo		6:55-8:15am, 2:30-4:45pm	*
16.89S	17.76	DJE	Berlin, Germany		2:30-7, 7-10:15am.	
16.91	17.74		Brazzaville, Middle Congo		2-2:20, 3-3:20, 4-4:20, 6:30-7:20, 8:30-8:50, 9:30-9:50am, 2-3, 4:30-6pm.	
16.93	17.72	LRA5	Buenos Aires, Argentina		Fridays 5-5:30pm	
17.20N	17.445	HVL	Vatican City,		Tues. 11am-12 noon...News 11am.	
19 METER BAND						
18.93	15.85	WCW	Hicksville, N.Y.		9am-7pm	
19.05n	15.75		Komsomolsk, U.S.S.R.		7:40-8:19am (also Sun. 7:40-9:30am) to NA	
19.26N	15.58	WCB	Hicksville, N.Y.		3:45-5pm.	* /a*
19.42S	15.45	GRD	London, England		1:45-5:45am to N.Z. /pm, Su. 9:10-1140	
19.48	15.40	PZX5	Paramaribo, Dutch Guiana		7:40-9:40pm ex. Sa/Su; Sa. 5:40-8:40	
19.49S	15.39	GRE	London, England		1:45-5:45, 6:45-11:15, 11:30am-2:30, 3:15-5pm to NA ..News 2:15, 4, 7, 9, 11am, 1, 3:45pm	
19.53	15.355	KWU	Dixon, Calif.		4:30-6:15, 7:45-9:30pm to Far East.	
19.54	15.35	WRUW	Boston, Mass.		12:30-1:30am ex. Su, 11am-1, 1:15-6:30pm ex.	
19.56	15.34	DJR	Berlin, Germany		1am-12 noon to Asia	/Sun
19.57	15.33	WGFA	Schenectady, N.Y.		9am-6:30pm to Europe.	
19.57	15.33	KGFI	San Francisco, Calif.		7pm-12 mid. to Latin America.	
19.60S	15.31	GSP	London, England		1:4 5-4:15, 5:45-6, 7-8:30, 9-9:30, 9:45-10, 10:40-10:45am, 1-2:15pm.	
19.61S	15.30	2R06	Rome, Italy		12:30-1:30am to NA, 3-3:30, 7:30-10:30, 1040am-12:40, 12:50-2:35, 2:40-3:50, 4:30-5:40, 6:30-9:30pm...News 1am, 2:50, 3:30, 5:15pm.	
19.62S	15.29	KWID	San Francisco, Calif.		6-10, 10:35pm-2:35am.	*
19.62	15.29	VUD2	Delhi, India		2:30-4:55am. Heard recently ?	
19.62	15.29	LRU	Buenos Aires, Argentina		7:15-8:15am.	/4-7pm.
19.63S	15.28	DJQ	Berlin, Germany		1-3:30, 4:20am-12 noon, 12:30-1:30, 3:30-345,	
19.64S	15.27	WCBX	New York City, N.Y.		6am-3:45, 3:47-7:30pm	/3:45pm.
19.66S	15.26	GSI	London, England		6:45-11:15, 11:30am-5pm...News 7, 9, 11am, 1,	
19.67S	15.25	WLWO	Cincinnati, Ohio		8-9, 10am-1, 6:30-7:45 (Sun. 6-7:45pm)	
19.67S	15.247	CR7BD	Lourenco Marques, Mozambique		1-2, 5:30-8am, 1-5pm.	*
19.69	15.24		Vichy, France		9:30-10:30, 11:45am-12:45, 1-1:45, 2-2:45pm.	
19.69N	15.24X		Radio Metropole		5:30-7:30am approx.	*
19.70S	15.23		Komsomolsk, U.S.S.R.		7:40-8:19, 10:15-10:40am, 5:15-5:40, 6:48-7:25, 9-9:15, 9:15-9:40, 11:15-11:40pm to NA	
19.70	15.23	DXT	Berlin, Germany		7-9:15am...News 7:30, 8:30am.	
19.70S	15.23	VLG6	Melbourne, Australia		10:25-11:10pm to NA...News 10:30pm	*
19.71S	15.22	DXU15	Huizen, Holland		4:50-5:15, 6-9pm	
19.71	15.22X		Voice of Free India		10am-12 noon...News 11:30am	

	19.71	15.22*	National Congress	Radio 12:15-12:45pm...News 12:15pm.
H	19.72F	15.21	WBOS Boston, Mass.	8am-12:45pm to N. Europe
H	19.72S	15.20	DJB Berlin, Germany	7-9:45am to NA, 10:30-10:40am, 12:30-1pm, 5:50pm-12 mid. to NA...News 7:30, 9:30am, 12:30, 7, 8, 9, 10, 11pm. /2:15, 11:15pm.
H	15.75Sx	15.19	OIX4 Lahti, Finland	10:55am-7:05, 11:05-11:50pm to NA...News 12:30-12:45pm (Afrikaans)
H	19.76S	15.18	GSO London, England	12-2, 7:40-8:20am, 5:15-5:40, 6:48-7:25pm.
H	19.76	15.18	RV96 Moscow, U.S.S.R.	6:30-8:30pm to N.A. (Chinese) *
H	19.76F	15.18	XGOX Chungking, China	1:45-2:55pm to NA; Sun. 1:45-7pm. *
H	19.78S	15.17	TGWA Guatemala, Guatemala	1:45-2:55pm to NA; Sun. 1:45-7pm. *
H	19.78S	15.165	PRE9 Fortaleza, Ceara, Brazil	9am-12 noon, 6-9pm approx. *
H	19.78	15.165	ZPA6 Encarnacion, Paraguay	6-9pm or later. /News 9am, 5:45, 11:30p *
H	19.79 x	15.16	VLG7 Melbourne, Australia	9-9:15am, 5:45-6:15, 10:10pm-12 mid.....
H	19.79	15.16	JZK Tokyo, Japan	5am-12 noon, 6:55-11pm to E.NA, 11:25pm-2:30am to W.NA...News 8, 10:30am, 7, 10:10, 11:30pm, 2am.
H	19.80	15.155	SBT Stockholm, Sweden	10:56-11:50am, ...News 11am, 9pm
H	19.81S	15.15	WRCA New York City, N.Y	9am-4:40, 4:55-7:45pm.
H	19.82S	15.14	GSF London, England	1:45-5:45, 6:45-11:15, 11:30am-4:15, 4:30-5, 5:15-6:15pm...News 2:15, 4, 7, 9, 11am, 1, 3, 45
	19.83S	15.13	DXL6 Paris, France	4:30-7, 7-9:45am to NA, 10:30-11:30am, 12 noon-2:45, 5:50pm-12:15am...News 7:30, Sun 5:30-6, 8-8:20, 8:30-8:50, 9- /9:30am 9:20pm; Th. 8:30-8:50, 9-9:20pm; Fri. 11:30 4:30am-11:20am. /-11:50am.
H	19.84S	15.12	HVJ Vatican City	4:30am-11:20am. /-11:50am.
H	19.84S	15.12	DXH2 Berlin	5:15-5:40, 6:48-7:25, 9-9:15, 9:15-9:40, 11:15-11:40pm to NA. /8:30am, 12:15pm.
H	19.85S	15.11	Komsomolsk, U.S.S.R.	7-7:15, 8:30-9:45, 11:40am-5:30pm...News- /9:20am, 12:20 p.m.
H	19.85S	15.11	DJL Berlin, Germany	12:30-1, 4:15-4:30, 7-9:45, 12:20-2pm...News
H	19.89	15.08*	Deutscher Volkssender	
H	19.94S	15.047	2RO21 Rome, Italy	
	20.07	14.935	PSE Rio de Janeiro, Brazil	Thurs. 4-4:30pm (Italian), 8-8:30pm.
H	20.73	14.47	WDO Ocean Gate, N.J.	8am-7pm. /7:15pm
	20.75S	14.46	DZH Berlin, Germany	4:30-6:30, 10:15-10:30am, 11am-Noon, 3:30-4-7pm.
	20.78F	14.443	Malaga, Spain	
	20.83S	14.40	Kuibyshev, U.S.S.R.	7-9:15am...News; 9am. *
	23.06S	13.01	Kuibyshev, U.S.S.R.	9:30am-12:15pm...News 9:45am. *
	23.83	12.83	CNR Rabat, Morocco	8-9am (French) */6-10:45 or 11:00pm*
H	24.09S	12.455	HCBJ Quito, Ecuador	7:45-9:50am, 12:30-3:30 (Sun. 8am-5:30pm),
	24.53	12.23	Sverdlovsk, U.S.S.R.	11:15pm-1:30am, 4:30-5pm (Eng.)
H	24.54n	12.235	TFJ Reykjavik, Iceland	Tues. 4:45-5 & 7:20pm approx. irreg. *
H	24.61S	12.19	Moscow, U.S.S.R	8:30-9:30, 11:30am-12:30, 12:45-6:48, 6:48-7:25, 8-8:50pm, 11:15pm-1:30am *
	24.73S	12.13	DZE Berlin, Germany	6:45-9, 10am-3:45, 3:55-5:45, 5:50pm-12:15a
H	24.75	12.12	TPZ Alger, Algeria	7:15-8am, 2-6pm...French news 3:30, 4:30pm
	24.77	12.115	ZNR Aden, Arabia	12:15-1:30pm /10:45pm
	24.80S	12.095	GRF London, England	3-11:45am, 12:15-1, 1:15-3, 3:15-4, 6:30-
	24.88	12.06	FFZ Shanghai, China	12-2, 4:30-10am...News 8:15am /9:45a
	24.88	12.06	Kuibyshev, U.S.S.R.	1:45-2:30, 3:30-5, 8-10:30am...News 9,
H	24.92S	12.04	GRV London, England	1:45-2:30, 3:30-5, 6:45-7, 8:15-9:15, 11:30a 1:15, 2:15-4:45, 6:30-10:45pm.
25 METER BAND				
	25.00	12.00	Brazzaville, Middle Congo	2-2:20, 3-3:20, 4-4:20, 6:30-7:20, 8:30-8:50, 9:30-9:50am, 2-3, 4:30-6pm.
	25.00S	12.00	Shonan, Malaya	7am-12:40pm...News 9, 9:45am. *
	25.02	11.99	XIRS Shanghai, China	4-10am...News 7:15, 9:30am. *
H	25.04C	11.975	CE180 Santiago, Chile	7:30-10am, 1:30-12 mid. *
H	25.05	11.97	FZI Brazzaville, Middle Congo	2-2:15, 9:30-10am, 3:45-5:30, 11pm-12 mid. to Na... News 3:45, 11:45pm.
H	25.10S	11.95	2RO22 Rome, Italy	12:30-1, 7-9:50, 11:30am-2, 3-6, 8:30pm-12 mid. to NA...News 9:20am, 5:15, 8:30, 10:30p 6:48-7:25pm to NA, 9-10pm *
	25.10N	11.95	Moscow, U.S.S.R.	
	25.13F	11.94*	or 11.84 Finnish Freedom Radio	6:05-6:25am. *
	25.18	11.915x	Anti-Fascist	9-9:30, 11-11:30am, 3-3:30, 5-5:30, 7-7:30pm
	25.21	11.90	TIJMP San Jose, C.R.	8-9:30am; nites to lam/News 6am, 12, 5:30pm
	25.21S	11.90	XGOY Chungking, China	6-6:55, 7-7:30, 11:35am-12:30, 2:30-4, 5-6pm. *
	25.21N	11.90	DXF2 Berlin, Germany	4:30-11:20am, 2:15-3:15pm. *
H	25.22N	11.895	CXA10 Montevideo, Uruguay	7:25-10:10pm *

25.22S	11.893	WNBI	New York City, N.Y.	1-4:40, 8pm-1:10am	
25.23S	11.885		Paris Mondial, France	3-5:15pm	
25.24S	11.885	DXL7	Paris, France	12:15-3, 10:30-11:3-am, 12:30-1:30, 5:50pm-	
25.25	11.88	VLR3	Melbourne, Australia	9pm-3:30am... News 2:15am	/12:15am
25.25	11.88	HI3X	Trujillo City, D.R.	Mon. 6:10-9:30pm; Tu. 6:10-10:30pm; Wed. & Fri. 6:10-9:10pm; Th. 6:10-9pm; Sa. 6:10-8:15pm.	
25.25	11.88	VLG5	Melbourne, Australia	5-7am.	/8:15pm.
25.27S	11.87	VLQ2	Sydney, Australia	6:40-7:15am	
25.27S	11.87	WBO5	Boston, Mass.	4-6, 7pm-12:10am to Latin America.	/ex. Sa
25.28S	11.865	HER5	Bern, Switzerland	9-9:30am, 9:45-11:15pm to NA	
25.29S	11.86	XMHA	Shanghai, China	4-11am, 8pm-2am... News 6:30, 9, 10am, 8:30pm	
25.29	11.86	GSE	London, England	11-11:15am, 1-2:15, 2:30-4:15pm	
25.33S	11.845		Vichy, France	12:30-12:45, 3:45-4:30am, 3-3:45, 4-4:45, 2-4:45pm	/5-5:45, 6-6:45... News 4:30p
25.33N	11.845	WGEO	Schenectady, N.Y.	2-4:45pm	/5-5:45, 6-6:45... News 4:30p
25.35	11.84	DHF4A	Prague, Bohemia	5-6:30, 6:55-9:15pm.	/11am.
25.36S	11.83	VUD4	Delhi, India	2:30-4:55, 7am-11:15am, 9-11pm... News 8,	
25.36	11.83	VLW3	Perth, W. Australia	2-6:45am... News 4am.	
25.36S	11.83	WCRC	New York City, N.Y.	7:32-11pm.	
25.36	11.83	WCDA	New York City, N.Y.	3:15-4:45, 4:50-7:15pm	*
25.37	11.825	CXAL4	Colonia, Uruguay	4:30-10:05pm	
25.37S	11.825	JVZ2	Tokyo, Japan	11pm-8:30am	*
25.38S	11.82	GSN	London, England	6:45-11:45am, 12:15-1, 1:15-3, 3:15-4:30pm.	
25.38	11.82	XEBR	Hermosillo, Mexico	9am-1am.	
25.40S	11.81	ZRO4	Rome, Italy	12:30-1:30am to W.NA; 3-3:30, 3:40-4:30, 7-7:20, 10-10:30, 10:40am-12:40, 12:50-2:35, 2:40-3:40, 4:30-5:40, 8:30pm-12 mid. to NA	
				News 1am, 3:30, 5:15, 8:30, 10:30pm.	
25.41	11.805	COGF	Matanzas, Cuba	12:30-3; Sun. 1:30-3pm.	*
25.42	11.80	DJZ	Berlin, Germany	7am-8pm approx.	
25.42	11.80	JZJ	Tokyo, Japan	2:55-5, 5-9:45, 10am-2:30, 2:55-6:30, 6:55-11pm to E.NA; 11:25pm-2:30am to W.NA.... News 4, 5, 8, 11am, 2, 3, 6, 7:10, 10:10, 11:30pm, 12:30-1:30, 6-10:15am, 1:15-6:30pm ex. /2am Sun; Sun. 10am-12 noon, 2-9:15pm.	
25.46S	11.785	OIX3	Lahti, Finland	10:55am-7:05, 8:25-9, 10-11:05-11:50pm, 12:15-1:30am... News 12:45, 2:10, 6:10, 8:30,	
25.47S	11.78	HP5G	Panama City, Panama	9:15-10:30am, 12:45-4, 9:15-11:15pm; Sun. 9:15am-1, 9:15-11:15pm. News-	
25.48	11.775	MTCY	Hsinking, Manchukuo	1:30-3am to NA... News 1:30am /1, 9:45pm.	
25.48S	11.775		Saigon, F. Indo China	6am-12:30, 7:45-8:20pm... News 7:30, 11, 11:45am. /News 7, 8, 9, 10, 11 p.m.	
25.49	11.77	DJD	Berlin, Germany	1-3:15, 7am-Noon, 5:50pm-12 mid. to NA...	
25.50	11.765	PYD8	Sao Paulo, Brazil	5:30-10:15pm.	
25.51S	11.76	DXR	Berlin, Germany	1:15-3:15, 11:40am-5:30pm... News 3:15pm.	
25.51	11.76	VLR8	Melbourne, Australia	3:30-7:15pm, 9-9:15am... News 9am.	
25.53S	11.75	GSD	London, England	1:45-5:45am to NA, 6:45-11:15, 11:30am-5, 5:15-9:45 (7pm-12:45am to NA)... News- 2:15, 4, 7, 9, 11am, 1, 3:45, 5:45, 6:45, 9, 10:45 8-9, 11-11:30am, 6pm-12:30am * /pm, 12:30a 2-4am irreg.; Sun. 8:30-8:50pm (Eng) to 3-8:30am, 5pm * /NA, Th. 8-8:20pm to NA	
25.54S	11.743	CELL74	Santiago, Chile	6:30am-2:15am.	
25.55S	11.74	HVJ	Vatican City	1:30-3:15, 4:30-12 noon, 12:30-5, 5:50pm-1:30am to NA... News 7, 8, 9, 10, 11pm, 12, 1am	
25.55S	11.74		Parao, Palau Group	5:30-11pm ex. Sundays.	
25.55	11.74	COCY	Havana, Cuba	6:30am-2:15am.	
25.55	11.74	DXC2	Berlin, Germany	1:30-3:15, 4:30-12 noon, 12:30-5, 5:50pm-1:30am to NA... News 7, 8, 9, 10, 11pm, 12, 1am	
25.58	11.73	WRUW	Boston, Mass.	5:30-11pm ex. Sundays.	
25.58	11.73	KGEI	San Francisco, Calif.	12:15-3am.	
25.59S	11.725	JVW3	Tokyo, Japan	11pm-8:30am, 5-7pm or later.	
25.60S	11.721	ZPA2	Asuncion, Paraguay	Relays ZP10 6:30-9:45pm; Sun. 7-10:15pm.*	
25.60	11.72		Leopoldville, Bel. Congo	6:55-8:15am, 2:30-4:45pm.	
25.60	11.715	HSP5	Bangkok, Thailand	4-11am, 7:45-8:30pm... News 4am, 9:30am.*	*
25.60N	11.715		Bern, Switzerland	7:45-9:10pm to S.A.	*
25.62	11.71	YSM	San Salvador, El Salvador	2-3, 8-10:30pm.	
25.62S	11.71	VLG3	Melbourne, Australia	12:25-1:10am to W.NA, 1:13-1:30, 1:55-2:40, 2:55-3:27, 3:30-4:20, 4:25-5, 5:30-1:15-6 (Sun. to 5:45), 8pm-12 mid /-5:40am	
25.63S	11.705	CXAL9	Montevideo, Uruguay	7-8am, 6-11pm (Sat. to 11:30pm) /-5:35pm*	
25.63	11.705	SBP	Motala, Sweden	2-5:15, 5:20-5:35pm, 9-10pm to NA; Su. 4am	

H	25.63J	11.705	CBFY Montreal, Canada	6:55am-12 mid (jumps to 11.745 irreg.)
	25.64S	11.70	HP5A Panama City, Panama	9:15-11:40am, 9:10pm-1am; Sun. 10am-
	25.64	11.70	CE1170 Santiago, Chile	8-10pm. Not hd lately. /2:30, 9:15-11:15pm
H	25.68S	11.68	GRG London, England	3-5, 5:15-9:45pm to NA (5:15pm-12:45am to S.A.)... News 4am, 5:45, 6:45, 9:00pm.
	25.68	11.68	XGRS Shanghai, China	7pm-2am, 3:45-11am... News 12:30, 2:15,
	25.75	11.65	XGOK Canton, China	5-9:30am /6:15, 6:45, 7:30am, 6:45 p.m.
N	25.77	11.64	WPJ Hicksville, N.Y.	1-3:30pm /6:45, 8:30am, 6:30 p.m.
	25.93S	11.628	KZRH Manila, Philippines	12-3:40, 4-9am, 6pm-12 mid... News 4:45,
H	25.93S	11.628	COK Havana, Cuba	12 noon-12 mid.; Sun. 1-7pm... News 1, 3, 30,
	25.86	11.60x	Rumanian Freedom Station	4:15-4:25pm. /7, 10pm.
	26.39S	11.37x	Undercover	12-12:30am, 2:30-2:40pm in Serbo-Croat
	27.05F	11.09	Ponta Delgada, Azores	3-4pm *
	27.17	11.04	CSW6 Lisbon, Portugal	2-6pm
	27.68N	10.84	KWV Dixon, Calif.	3:30-7:05, 7:30-10:30am relays KWID *
	27.96	10.73	VQ7LO Nairobi, Kenya	11am-12:50pm & Monday 1:15-1:50pm.
	28.07N	10.687	Rome, Italy	3:30-5pm.
H	28.12S	10.67	CEC Santiago, Chile	8-8:15pm (Spanish) *
	28.25N	10.62	KES3 Bolinas, Calif.	11:30pm-6am relays KWID *
	28.30	10.60	ZTK2 Belize, Br. Honduras	Tues/Thurs/Sat. 2:30-3, 9:30-9:50pm.
H	28.45S	10.543	DZD Berlin, Germany	2:45-3:15, 5:50pm-12 mid. to NA... News-
	28.49	10.53	JIB Taihoku, Taiwan	10-10:50am /7, 8, 9, 10, 11pm.
	28.73N	10.445	Moscow, U.S.S.R.	7:40-8:19am to NA. *
	28.85	10.40	YSPA San Salvador, El Salvador	9:10-10am, 7:30pm-12:30am.
H	28.99	10.35	Station Debunk	8:30-9pm. /5:15pm.
H	29.04S	10.33	2R019 Rome, Italy	3:20-6, 6:30-9:30, 9:35-10:20pm... News-
H	29.15S	10.29	DZC Berlin, Germany	3:50-5, 5:15-10:55pm.
	29.24S	10.24	XGAP Peiping, China	3am-12:15 or 12:30pm. /7pm, Sun. 9:15-9:40p
H	29.35	10.22	PSH Rio de Janeiro, Brazil	7-8:15pm ex. Sun; Mon/Wed/Sat 9-9:30
	29.44C	10.19	JVX2 Tokyo, Japan	4:45-8:55am. Has anyone heard recently?
	29.59	10.14	OPM Leopoldville, Bel. Congo	2:55-3:45pm. Heard recently? /pm
H	29.62	10.13	HH3W Port-au-Prince, Haiti	12:30-4:45, 7-10:30pm; Sun. 1-5, 7-1030
	29.81C	10.065	MPCY Hsinking, Manchukuo	1:30-3am to NA... News 1:30, 2:30am.
	29.82F	10.06x	Norwegian Freedom Station	2:30-2:40, 5:45-5:55pm* /nets.*
H	29.84	10.055	SUV Cairo, Egypt	1:45-3pm; & 6:30-7:30pm irreg. for U.S.
	29.88S	10.04	Kuibyshev, U.S.S.R.	11:30pm-3:30am. /5:50, 6:30-6:50pm.*
	29.88S	10.04x	Sender Wehrmacht Nord	2:30-2:50, 3:30-3:50, 4:30-4:50, 5:30-
H	29.97S	10.01	WJQ Hicksville, N.Y.	12 mid-4am. /6-10:45 or 11:00pm*
H	30.12S	9.958	HCJB Quito, Ecuador	7:45-9:50am, 12:30-3:30, (Sun. 8am-5:30pm),
	30.27n	9.909	ZTJ Johannesburg, So. Africa	Heard 11:45pm-1:45 & near 8am. *
H	30.33S	9.89	LSN2 Buenos Aires, Argentina	Relays CBS 10-10:15pm.
H	30.43S	9.86	EAQ Madrid, Spain	2-3, 8-9pm to NA... News 2:15, 8pm.
	30.43S	9.86	Sverdlovsk, U.S.S.R.	7:40-8:19am, 11:15pm-1:05am.
H	30.48S	9.843	CR7BE Lourenco Marques, Mozambique	1-2, 5:30-8am, 3-5pm... News- *
	30.51J	9.833	COCM Havana, Cuba	1:55, 6:55am, 4pm ex. Su; Su. 6:55am.
H	30.54	9.825	GRH London, England	9am-1am; Sun. 9am-12 mid. /7, 10:45p, 1230a
H	30.64	9.79	2R018 Rome, Italy	5:15pm-12:45am to C.A.A... News 5:45, 6:45,
	30.75	9.755	ZRO Durban, So. Africa	1-4, 6:30-9:30, 9:35-10:30pm.
	30.77	9.75x or	8.12 Radio Inconnu	4:30-8, 10am-5pm; Sun. 4:50am-5pm. /3:30p
	30.77N	9.75	WDL Ocean Gate, N.J.	1:30-2, 6:30-6:55am, 3:30-3:50pm... News-
H	30.80	9.74	TI4NRH Heredia, C.R.	6-8am.
H	30.82	9.735	CSW7 Lisbon, Portugal	8-9am; Tu/Th/Sat. 11:30pm-12:30am approx.
H	30.82C	9.73	CE970 Valparaiso, Chile	6:15-8:15, 8:25-10pm to NA.
	30.86S	9.72	XGOA Chungking, China	7:30-9am, 7:15pm-12:30am.
	30.88	9.715	XGOA Chungking, China	1-3:30, 7:30-10:30am... News- 10am. *
	30.92	9.705	OAX4K Lima, Peru	8pm-12:20am.
H	30.92	9.705	Fort-de-France, Martinique	12:15-1:45, 6:30-9pm
H	30.93	9.70	WRUW Boston, Mass.	6-10:15am, 6:30-11pm ex. Sun; Sun. 7-9:15p
	30.96	9.69	JIE3 Taihoku, Taiwan	8:30-10am... News 8:30am.
H	30.96S	9.69	GRX London, England	1:30am-3:15, 5:30-6, 6:15-6:30pm to Europe
H	30.96S	9.685	TGWA Guatemala, Guatemala	9:50pm-12:45am ex. Sun; Sun. 7pm-12:45am
	30.96	9.688	LRA1 Buenos Aires, Argentina	11:30am-2, 3:30-4:30, 5-10pm.
H	30.99S	9.68	XEQQ Mexico City, Mexico	10am-2:45am
	30.99	9.68	EQC Teheran, Iran	11am-1pm (Th. 9:30am-1, Fri. 10am-1pm)
H	30.99	9.68	VLW6 Perth, W. Australia	7-10:50am (7:25-8:30am to E.NA)... News-7,
	30.99S	9.68	VLQ5 Sydney, Australia	12:25-1:10am to W.NA, 2:55-3:25am /8, 9am
H	31.01	9.675	DJX Berlin, Germany	1-3:15, 11:40am-5:30pm... News 12:30, 3pm.

31 METER BAND

57	31.02S	9.67	WRCA	New York City, N.Y.	8pm-4:45am
	31.06	9.66	LRX	Buenos Aires, Argentina	6:30-7, 8:30am-11:10pm
	31.06	9.66	XGOI	Shanghai, China	8-10:15am.
	31.06S	9.658	HHBM	Port-au-Prince, Haiti	6:30-8am, 1-2, 4:30-9:45pm *
	31.08	9.655	JLS	Tokyo, Japan	5-11am. Has anyone heard recently?
	31.09S	9.65	DJW	Berlin, Germany	1-3:30, 7am-12 noon, 6:02-12:15am.
	31.09	9.65	WGEO	Schenectady, N.Y.	6-8am to Australia.
	31.11	9.645	LLH	Oslo, Norway	6:40-8am, 1:30-6, 9:55-11pm to NA.
	31.11	9.645x		German Revolutionary	3-3:15, 5-5:15, 7-7:15, 9-9:15, 11-11:15p
	31.12S	9.64	KZRH	Manila, Philippines	12-3:40, 4-9am, 6pm-12 mid... News 6:45,
	31.12	9.64	LRI	Buenos Aires, Argentina	6-8am, 1:30-2:30, 3-5, 7-11pm / 8:30am.
	31.13	9.635x		Gustav Siegfried Eins	2:52, 3:52, 4:52, 5:52, 6:52, 7:52, 8:52,
63	31.14S	9.635	2RO3	Rome, Italy	3-3:20am, 12:50-2:30, / 9:52, 10:52, 11:52p
					3:20-3:40, 4:30-5:40, 8:30pm-12 mid. to
					NA, 12:30-1:30am to W.NA... News 3:30, 5:15,
	31.17	9.625		Addis Abeba, Ethiopia	10:15-11:35am / 8:30, 10:30pm, 1:00a.
	31.17Sx	9.625	XGOY	Chungking, China	7:35-9:55, 10-11:25am to NA... News 8:30,
	31.17S	9.625	CXA6	Montevideo, Uruguay	11am-7:25pm. * / 10, 11am.
	31.19S	9.62	DXL24	Paris, France	1:15-2:15am, 12:15-4:15, 5:50pm-12 mid.
					to NA... News- 7, 8, 9, 10, 11pm.
	31.19	9.62	TIPG	San Jose, C.R.	7am-12:30am.
	31.22S	9.61	DXB	Berlin, Germany	12:15-2:30am, 12:30-4:20pm.
	31.22S	9.608	ZRL	Capetown, S. Africa	3:15-9, 9-10:15am; Sun. 1:10-1:45, 3:30-8,
	31.23	9.606	HP5J	Panama City, Panama	8am-2:30, 7:30-11:30pm; Sun. 9am-11pm.
	31.23	9.606x		Gustav Siegfried Eins	2:52, 3:52, 4:52, 5:52, 6:52, 7:52, 8:52,
	31.25C	9.60	CE960	Santiago, Chile	7pm-12 mid. / 9:52, 10:52, 11:52pm.
	31.25S	9.60	GRY	London, England	1:45-5:45am, 2:30-5 (4:30-5pm to NA).
	31.27S	9.595		Athlone, Ireland	5-6pm... News- 5:10pm. / 5:15-6:45pm.
	31.27N	9.595	JV-	Tokyo, Japan	5-8:30am. / am, 9:30pm
	31.30Sx	9.59	VUD3	Delhi, India	2:30-4:55, 7am-11:15am, 9-11pm... News 8, 11
	31.30S	9.59	WCDA	New York City, N.Y.	6-8, 9:15-10am, 7:25-11pm *
	31.32Sx	9.58	WLR	Melbourne, Australia	3:45-8:30am... News 8:15am
67	31.32S	9.58	GSC	London, England	1:45-2:30am, 12:30-5pm, 5:15pm-12:45am to
					NA... News 4:45, 5:45, 6:45, 9, 10:45pm, 12:30a
	31.35S	9.57	DXZ	Berlin, Germany	12:30-3, 9am-12:30, 1:30-4, 5-10:55pm.....
					News- 1:30, 2:30, 3:30pm / 11:40pm.
	31.37S	9.565		Komsomolsk, U.S.S.R.	12-12:30, 1:45-9:30am, 3:50-5:10, 11:15-
68	31.37	9.565		Parao, Palau Group, Caroline Islands	3-5, 8-10am approx. *
	31.37S	9.562	OAX4T	Lima, Peru	9-10:15am.
	31.38	9.56	DJA	Berlin, Germany	5:50-8, 9:30pm-12:15am *
69	31.39	9.557	XETT	Mexico D.F., Mexico	24 hours daily
	31.41S	9.55	KGEI	San Francisco, Calif.	3:30am-12 noon to Far East. *
	31.41	9.55	WGEA	Schenectady, N.Y.	7pm-1am.
	31.43S	9.545	MTCY	Hsinking, Manchukuo	8-11am, 5-6pm... News 9, 10:30am, 5pm. *
	31.43S	9.545		Komsomolsk, U.S.S.R.	2:45-10:40am or later (7:30-8:19, 1015
					-10:40am to NA)... News 7:40, 10:15am *
	31.43F	9.545	XEWW	Mexico City, Mexico	9:58-3:45am (Regular Freq. is 9.50) *
	31.44x	9.543	XEFT	Vera Cruz, Mexico	10am-2:15am / 9:52, 10:52, 11:52pm.
	31.44	9.543x		Gustav Siegfried Eins	2:52, 3:52, 4:52, 5:52, 6:52, 7:52, 8:52,
					11:45am to W.NA... News 7:30, 11a
67	31.45S	9.54	VLG2	Melbourne, Australia	7:25-8:30am to E.NA, 8:45-10:50, 11-
	31.46S	9.538	HER4	Bern, Switzerland	7:45-9:10, 9:45-11:15pm to NA ex. Sat....
	31.47Sx	9.535	SBU	Motala, Sweden	5:20-5:35, 9-10pm to NA / News 9:00, 10:00pm
69	31.47S	9.535	JZI	Tokyo, Japan	12-2:30am to W.NA, 5am-2:30, 2:55-6:30pm..
	31.43	9.53	WGEO	Schenectady	5-11:45pm, 12-1am / News 2, 5, 8, 10:30 a.m.
	31.49S	9.527	DXK2	Berlin, Germany	10:45am-6:15pm (European Service)
	31.50S	9.523	ZRG	Johannesburg, So. Africa	3:30-10:30am approx. *
	31.51	9.52		Vichy, France	12:45-1:30, 1:45-2:30, 2:45-3:30am, 7-7:45
					pm to NA, 7:45-8:45, 9-11, 11:15pm-12:30am
	31.53S	9.515	COCQ	Havana, Cuba	6-9am, 8-11pm. */to NA.
	31.55S	9.51	GSB	London, England	1:45-5:45, 10-11:15, 11:30am-2:15, 3-5:00,
					5-6:30, 7-10:45pm
	31.57S	9.505	YUC	Belgrade, Yugoslavia	12-12:20am, 9:10-9:40pm
	31.57S			Bratislava, Slovakia	7-7:45pm to NA.
	31.58F	9.50	OAX5C	Ica, Peru	8pm-1am / 9:10pm*
	31.60	9.495	OIX2	Lahti, Finland	10:55am-7:05 (2:05-2:50pm to NA), 8:25-
	31.64	9.482x		Gustav Siegfried Eins	2:52, 3:52 etc. through 11:52pm.

	31.65N	9.48x	Radio Metropole	12:30-3:30,4:10-6:05pm...News 1:15,5:15p
	31.65	9.48	CP38 La Paz,Bolivia	8-10,11am-2,4-12 mid.
H	31.65	9.48	KFT Bolinas,Calif.	12:15am-12 noon relays KGEI
H	74	31.65N	9.48 WCBX New York City,N.Y.	7:40-11pm. *
	31.69S	9.47	CR6RC Luanda,Angola	7:30-8:45am,3:30-4:50pm; Sun.11:30am-1pm
	31.69S	9.47	JZHA Hong Kong,Hong Kong	7-10am...News 9:10am /7pm...News 115
H	25	31.70Sx	9.465 TAP Ankara,Turkey	To 3:45 or 4pm; irreg.to networks 6:30-
H	31.75S	9.45	GRU London,England	12:45-1:30,3:15-5:45,6:45-7,8:15-9:15,11-11:15am,1-2:15,2:30-2:45,3-4:15pm.
H	77	31.80	9.435 COCH Havana,Cuba	6:45-1:15am /News 9,10:45pm,12:30 a.m.
N	31.86S	9.42	GRI London,England	6:30-7,7:45-8:30, 9:30pm-12:45am to NA..
N	31.88S	9.41	FGA Dakar,Senegal	3:15-6pm. *
	31.91	9.40x	Voice of Free India	9:30-11:30pm (6-7:30pm irreg.) *
	31.91	9.40	Sofia,Bulgaria	4pm on-

H	81	32.00	9.375 COBC Havana,Cuba	9am-1:15am; Sun.8am-11:30pm
	32.12	9.34	OAX4J Lima,Peru	9-10am, 1-4, 7pm-2am.
H	84	32.19S	9.32 LRS Buenos Aires,Argentina	8am- ,2-2:30,6-9:30pm *
	32.24N	9.305	XG01 Shanghai, China	8-11am.
H	86	32.26	9.30 HI2G Trujillo City,D.R.	8:10-9:40am,12:40-3:10,6:10-10:40pm.
H	87	32.36	x9.27 COCX Havana,Cuba	8:45am- 1am.
	32.43	9.25	Bucharest,Roumania	3:45-6:05pm...News 4:50pm
H	32.54Jx	9.22	COBQ Havana,Cuba	8-9:15pm
H	91	32.64	9.19 HC2ET Guayaquil,Ecuador	8:30am-1:30am; Sun.9:30-11:30pm /pm
H	32.88	9.125	HAT4 Budapest,Hungary	7-8:55pm, 9-11pm to NA...News 9:20,10:25
	33.17	9.045x	Radio Libre D'Orient,Bombay,India	1:30-2:15pm.
H	94	33.24S	9.025 COBZ Havana,Cuba	8:45am-12am; Sun.8:45am-11pm. /4:30pm
H	55	33.48	8.96 TPZ2 Alger,Algeria	3-4,7:15-8am, 2-6pm...French news 3:30,
H	56	33.50S	8.955 COKG Santiago,Cuba	7-10:30am, 3:15-11:30pm approx.
H	33.58N	8.93	KES2 Bolinas,Calif.	6:15am-12:05pm. *
H	21	33.98Sx	8.83 COCQ Havana,Cuba	6am- 1:15am.
H	22	34.05S	8.81 WJP Hicksville,N.Y.	7pm-12 mid.
H	81	34.48	8.70 COCO Havana,Cuba	5:30-am- 1:30am.
	34.62	8.665	COJK Camaguey,Cuba	12:30-1:30,4:30-7,9-9:30pm
	34.95	8.585	YNRS Managua,Nicaragua	9-10am or later, 7:40pm-12 mid.
	35.44	8.465	XPSA Kweiyang,China	6:30am-12 noon,4-6pm...News 10,11am.
H	37.34	8.035	CNR Rabat,Morocco	3:15-3:45,8-9am, 1:30-6pm...French news-8:30am,3:30,4:30pm.
	37.34	8.035	FXE Beyrouth, Syria	1-4:30,5-7:30,9am-5pm...News 12:30pm
	37.50	8.00	FIA6 Douala,Camerouns	6:45-7am, 2:15-2:30pm
	37.81	7.935	PSL Rio de Janeiro,Brazil	7-9pm; Sun.9:15-9:40pm
H	38.00	x7.894	YSD San Salvador,El Salvador	8pm-12 mid. with HUB /pickups-
	38.15n	7.865	SUX Cairo,Egypt	Heard to 4:30pm & irreg. 6:30-7:30pm on
	38.20	7.854	HC2JSB Guayaquil,Ecuador	9-11pm
	38.59N	7.75	CMZ1 Havana,Cuba	8am-1,4-8,11pm-1am approx. *
H	68	39.16S	7.66 YNDG Leon,Nicaragua	7-11pm (11:20pm Sat/Sun)
H	67	39.40	7.615 YNLAT Granada,Nicaragua	9-11:15pm
H	95	39.66S	7.565 WDJ Hicksville,N.Y.	12 mid.-4am.
	39.89n	7.52	Moscow,U.S.S.R.	2pm on to late at night *
H	85	40.05S	7.49 YN2FT Granada,Nicaragua	8-11pm (to 11:20pm Sat/Sun) *
	40.30	7.446	FG8AH Pointe-a-Pitre,Guadeloupe	7-9pm

41 METER BAND

	40.98S	7.32	GRJ London,England	12:15-1:30,3-3:15am.
	41.10	7.30	VIG Port Moresby,Papua	Mondays 7-7:30am (English) /11am,930p
	41.15S	7.29	VUD2 Delhi,India	2:30-4:30,7-11:15am,8:30-11pm...News 8,
	41.18n	7.285	JLG Tokyo,Japan	5-8:30am 7/3:30,4:30,5:30,6:30p
	41.27S	7.27	DXM Berlin,Germany	9am-8pm approx...News 12:30,1:30,2:30,
	41.27n	7.27	VUM2 Madras,India	9-11:30am,8:30-10pm approx...News 9:30pm
H	61	41.30N	7.265 HCLBF Quito,Ecuador	8-11pm (Sat.to 11:30pm) ex.Sun *
	41.30n	7.265	EAJ43 Tenerife,Canarias	8:30-10am,2:30-7pm
	41.32	7.26	EA- Spain	4-7pm
	41.34	7.257	JVW Tokyo,Japan	7-10:30am approx.
H	65	41.38S	7.25 PJC1 Willemsted,Curacao	7:45-10:18pm...News 9:30pm *
	41.44S	7.24	VUB2 Bombay,India	3-4:55, 7am-lpm, 10:30pm-1am approx. *
H	41.44S	7.24	DXJ Berlin,Germany	9am-5, 5:50pm-1:30am to NA...News 12:30, 1:30,2:30,3:30,4:30,7,8,9,10,11pm,12,1am
H	41.49N	7.23	KWID San Francisco,Calif.	3-6,6:15-9:30,9:45am-12:05pm /8:30pm.
	41.49S	7.23	GSW London,England	11:50pm-5:45,6:45-11:45am,12:15-1,1:15-

41.58S	7.215	2R011	Rome, Italy	1:40-2:40, 7-9:50, 11:30am-2, 3-6pm... News 9:20am, 12:20, 3:30, 5:15pm.
41.61S	7.21	VUC2	Calcutta, India	2:30-5, 7:30-11:15am, 10-11:30pm
41.65N	7.203	YSY	San Salvador, El Salvador	8:30pm-12 mid.
41.67	7.20	EA--	Madrid, Spain	4-7pm
41.80	7.177	CR6AA	Lobito, Angola	Wed/Sat 4-6pm
41.96S	7.15	GRT	London, England	11:50pm-5:45am, 3-5:30, 6-8:30pm
42.00	7.143	EAJ9	Malaga, Spain	4-6:30pm
42.08	7.13		Oviedo, Spain	3-6pm / News 10:45pm, 12:30am.
42.08S	7.125	GRM	London, England	9:15-10:45, 10:45pm-12:45am to NA.....
42.09S	7.095	EA	Spain	Heard to 6:30pm
42.31	7.09	E99AA	Melilla, Spanish Morocco	heard to 6pm
42.40	7.075		Athens, Greece	1:30-6pm approx. / 12:30, 2:15, 4am.
42.46S	7.07	GRS	London, England	11pm-12:45am to NA, 1:45-5:45am... News-
42.47	7.063		Antigua, B.W.I.	5-6:20pm ex. Sun; Sun. 4-4:45pm.
42.65S	7.037	EA--	Valencia, Spain	4-7pm
42.74	7.03	EA--	Madrid, Spain	4:30-5:20pm
49 METER BAND				
42.95n	6.985		Kuching, Sarawak	12:15 to fade-out at 2am irreg.
42.98	6.98	FO8AA	Papeete, Tahiti	Tues/Fri 11:57pm-12:45am.
42.98S	6.98		Moscow, U.S.S.R.	6:30-7:20pm (6:48-7:20 to NA)
43.67	6.87	YNOW	Managua, Nicaragua	8pm-12:30am or later
44.28	6.775	HIH	San Pedro, D.R.	8-9:30pm; Sun. 6:20-7:40pm
44.28S	6.76	YNRS	Managua, Nicaragua	9-10am, 7:40pm-12:15am.
44.81	6.696	TIEP	San Jose, C.R.	8-9am, 8pm-1am
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
45.87	6.54	YNLGG	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.
46.22S	6.49	TGWB	Guatemala, Guatemala	9-10, 1:45-4:45, 6:30pm-1am; Sun. 11:30am-6:15, 7pm-1am.
46.26	6.485	HILL	Santiago de los Caballeros, D.R.	6:30-8:30pm ex. Sun.
46.48S	6.455	COHI	Santa Clara, Cuba	7:42am-10:05pm
46.58	6.44	HILS	Santiago, D.R.	6:40-9:10pm ex. Sun.
46.84	6.405	TGQA	Quezaltenango, Guatemala	9-11:30pm; Sat. 9pm-2am; Sun. 8pm-4a
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	HRP1	San Pedro Sula, Honduras	7-8:30am, 7-11:30pm
47.32	6.343	OAX4G	Lima, Peru	7pm-1:30am (Sat. to 2am)
47.39	6.333	HILX	Trujillo City, D.R.	Mon. 6:10-10:30pm; Tu. 6:10-10:30pm; Wed./Fri 6:10-9:10pm; Th. 6:10-9pm; Sat. 8:55am- 2am / 6:10-8:10 p.m.
47.39S	6.33	COCW	Havana, Cuba	8:55am- 2am
47.47	6.32	SUP2	Cairo, Egypt	12:10-1pm.
47.50	6.316	HILZ	Trujillo City, D.R.	12:40-1:40, 6:10; 11:10pm
47.68S	6.29	2R023	Rome, Italy	4-6Pm... News 5:15pm
47.68	6.29	OAXLA	Chiclayo, Peru	8:30pm-12:30am.
47.77	6.28	HILG	Trujillo City, D.R.	8:10-9:40am, 12:40-3:10, 4:40-10:40pm.
47.77	6.28		Leopoldville, Bel. Congo	6:55-8:15am, 2;30-4:30pm
47.85	6.27	YSR	San Salvador, El Salvador	8pm-12:30am.
48.06F	6.25	HJCT	Bogota, Colombia	11am-3, 7-11:40pm.
48.07	6.245	HILN	Trujillo City, D.R.	7:40-9:20am, 12:40-2:40, 7:10-11:20pm.
48.08	6.24	HRD	La Ceiba, Honduras	9-11:30pm; Sun. 5-7pm.
48.08	6.24	HJCF	Bogota, Colombia	8pm-12:15am.
48.35	6.205	OAX3A	Huancayo, Peru	9pm-12 mid. approx.
48.35F	6.205	TG2	Guatemala, Guatemala	8:30-11am, 7pm-12 mid.; Sat. 7pm-4am.
48.39	6.20	YV5RN	Caracas, Venezuela	5pm-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	11:50pm-2:40am
48.47	6.19	HILA	Santiago, D.R.	12:40-2:40, 4:40-6:40, 8:40-10:40pm
48.47	6.19	XECC	Puebla, Mexico	Heard evenings to 2am next morning.
48.48	6.188		Saigon, Fr. Indo China	8-10:30am approx.
48.51F	6.185		Teheran, Iran	2:30-4pm... News 3:15pm
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.
48.58	6.175	HI9T	Puerto Plata, D.R.	Daily to 7:40pm; Sat. to 11pm or later
48.66S	6.165	HER3	Bern, Switzerland	1:40-2:40, 7-8:45am, 2-5:30pm.

N	48.66	6.165	TILS	San Jose, C.R.	8-10:30am, 1-3:30, 7-11pm (to 3am Sun)
N	48.70	x6.16	HJCD	Bogota, Colombia	11am-1, 5pm-12 mid.
	48.70	6.16	CBRX	Vancouver, B.C., Canada	10:30am-3am.
	48.74	6.155	CS2WD	Lisbon, Portugal	4-7pm
N	48.78	6.15	HISC	La Romana, D.R.	Heard 1:20-9am, 5:55-7:10pm
N	48.78	x6.15	YSPB	San Salvador, El Salvador	Nightly to 1am
	48.78	6.15	YVSRM	Caracas, Venezuela	12 noon-3, 5-11pm; Sun, 10:30am-2, 5-11pm
	48.78	6.15	TIRH	San Jose, C.R.	Heard to 12:35am. /1:45, 5:30am-4:00pm
	48.81S	6.147	ZRD	Durban, So. Africa	11:45pm-1:45, 3:30-7, 9am-4pm; Sun, 1:10
N	48.82S	6.145	GRW	London, England	10pm-12:45am to NA... News 10:45p, 12:30a
	48.82S	6.145	KZRH	Manila, Philippines	12-3:40, 4-9am, 6pm-12 mid... News 4:45,
	48.86n	6.14	DXX	Berlin, Germany	10pm-12:15am /6:45, 8:30am, 6:30 p.m.*
N	48.86S	6.14	HJDE	Medellin, Colombia	10:30am-11pm.
N	48.90	6.135	EK3AA	Noumea, New Caledonia	3:30-4:30, 9-10am; Sun, 1:40-2:35am.
	48.93	6.132	CHNX	Halifax, N.S., Canada	8am-12:15am; Sat, 9am-12 mid.; Sun, 1pm-12:15am... News 7am, 3:30, 5:30, 11pm. 9:15am-1:30pm... News- 11am.
	48.94	6.13	VUD2	Delhi, India	
	48.94n	6.13	Kuibyshev, U.S.S.R.		1-2:45am or later
	48.94	6.13	YV4RO	Valencia, Venezuela	11:30am-2:30, 5:30-10:30pm
	48.98S	6.125	CXA4	Montevideo, Uruguay	6-11pm; Sat. to 11:30pm
	48.98	6.125	MTCY	Hsinking, Manchukuo	3-8:30am
	49.00	6.122	HP5H	Panama City, Panama	7pm-12 mid.
	49.02	6.12	OIXL	Helsinki, Finland	2-3:30, 8:30-9:30, 11am-6:15pm approx.
	49.02	6.12	YV3RN	Barquisimeto, Venezuela	12:30-2:30, 6:30-10:30pm
N	49.02S	x6.119	XEUZ	Mexico D.F., Mexico	10am-2, 8pm-1:10am.
	49.08	6.115	HI6H	Trujillo City, D.R.	10:40 a.m.-9:40 p.m.
	49.10	6.11	CP2	La Paz, Bolivia	5-10, 11am-2, 4pm-12 mid.
N	49.10	6.11	GSL	London, England	1:45-5:45am, 4:45-6:30, 10pm-12:45am to NA... News 2:15, 4am, 10:45pm, 12:30am.
	49.12S	6.108	XOJD	Hankow, China	4-8:30am.
	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	6:30-11:50am.
	49.21	6.097	HJFK	Pereira, Colombia	8-9am, 7:05-11:30pm
	49.21S	6.097	ZRK	Capetown, So. Africa	11:45pm-1:45am
	49.21	6.095	PYD7	Sao Paulo, Brazil	5:40-10:45pm
	49.21S	6.095	Penang, Malaya		2-10am... News 9:30am
N	49.25	6.09	CBFW	Montreal, Canada	7:30am-12 mid... News 11pm
N	49.25S	6.09	ZNS2	Nassau, Bahamas	9am-1:30, 6:30-10pm; Sun, 6:30-10am, 6:30-
N	49.33	x6.082	OAX4Z	Lima, Peru	6pm-12 mid. or later /-10:30pm.
	49.34S	6.08	GRR	London, England	12:30-1am, 6:20-6:35pm
N	49.34S	6.08	WLWO	Cincinnati, Ohio	12:30-2:30am
	49.34	6.08	CKFX	Vancouver, B.C., Canada	10:30am-4am... News lam.
	49.34	6.08	ZFY	Georgetown, Brit. Guiana	6:40-8:45, 10:45am-12:45, 3:15-8:15p
	49.38	6.075	HJCF	Bogota, Colombia	8pm-12 mid.
	49.40	6.072	VUY2	Dacca, India	9-11:15am.
N	49.42	6.07	CFRX	Toronto, Canada	7am-1:30am; Sun, 11am-12 mid... News 8, 9a
N	49.42S	6.07	YV5RU	Caracas, Venezuela	6-11:30pm
	49.42	6.07	TIWS	Puntarenas, C.R.	8:30-11pm; Sun, 3-9pm.
	49.46	6.065	SBO	Motala, Sweden	5:20-5:35pm
	49.50	6.06	VQZLO	Nairobi, Kenya	6:45-7:15am, 12:30-3:30pm ex. Sa/Su; Tu & Th, 9:30-10:30am; Sa, 6:45-7:30am, 12:30-7-11am. /3:30pm; Sun, 12-3pm.
	49.50	6.06	Bangkok, Thailand		
	49.55	6.054	HJFA	Pereira, Colombia	10am-1, 7:30-11:20pm
	49.59S	6.05	GSA	London, England	11:50pm-8:30pm (European Service)
	49.59	6.05	OAX6A	Arequipa, Peru	7pm-12 mid.
	49.66	6.04	XETW	Tampico, Mexico	8pm-2am.
N	49.66	x6.04	WRUS	Boston, Mass.	12:30-1:30am, 1:15-6:30, 6:30-11pm ex. Sun.
	49.73	6.03	HP5B	Panama City, Panama	11:30am-3, 7-11pm /Sun, 2-9:15pm.
	49.73	6.03	CFYP	Calgary, Alta., Canada	11am-3am... News lam.
	49.73n	6.03	DXP	Berlin, Germany	2:15-6:40pm
	49.73	6.03	Harbin, Manchukuo		3-10:07am... News at 9:45am.
	49.73	6.03	CR7AA	Lourenco Marques, Mozambique	1-2, 5:30-8, 1-5pm; Sun, 5:30-8am
N	49.75	x6.03	XEKW	Morelia, Mexico	9am-2, 6pm-12:40am.
N	49.78	6.026	HILJ	San Pedro, D.R.	12-:40-2:40, 7:10-9:40pm or later.
	49.78	6.026	JLR	Tokyo, Japan	5-8:30am. /9:52, 10:52, 11:52pm.
	49.78	6.026	Gustav Siegfried Eins		2:52, 3:52, 4:52, 5:52, 6:52, 7:52, 8:52,
N	49.80	x6.023	XEUW	Vera Cruz, Mexico	8am-2am.

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