

DECEMBER
JANUARY
1943

THE GLOBE CIRCLER

COMPLETE GUIDE-BOOK FOR SHORT-WAVE LISTENERS



Men of the U.S. Army Signal Corps, "Somewhere in Iceland," listening in their day room to a rebroadcast of a football game from home.

(Photo by U.S. Army Signal Corps.)

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

7:00 a.m.	London	GSB	9.510	6:48 p.m.	Moscow	15.23
7:30 a.m.	Melbourne	VLG2	9.540	7:00 p.m.	Tokyo	JLG4 15.10
7:40 a.m.	Rome	2RO6	15.30	7:00 p.m.	Berlin	DZD 10.54
8:00 a.m.	Chungking	XGOY	6.135	8:05 p.m.	Madrid	EAQ 9.860
9:00 a.m.	London	GRE	15.39	8:30 p.m.	Rome	2RO4 11.81
9:30 a.m.	Berlin	DJB	15.20	9:00 p.m.	London	GRN 6.145
11:00 a.m.	Stockholm	SBT	15.15	9:00 p.m.	Bern	HER4 7.210
12:00 Noon	London	GRE	15.39	10:45 p.m.	London	GSL 6.110
12:30 p.m.	Berlin	DJD	11.77	11:00 p.m.	Berlin	DXJ 7.240
1:00 p.m.	Rome	2RO6	15.30	12:00 mid.	Berlin	DXJ 7.240
5:45 p.m.	London	GSC	9.580	12:30 a.m.	London	GSL 6.110
6:45 p.m.	London	GSC	9.580	1:00 a.m.	Rome	2RO3 9.630

INTERNATIONAL DX'ERS ALLIANCE

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PUBLISHED MONTHLY


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

DECEMBER - JANUARY, 1943

Number 109

EDITORIAL

About a month ago I spent a few days in Washington & N.Y.C. I visited several governmental and radio offices with which we have had more or less intimate contact. In each place officials were more than generous in their praise of the GLOBE CIRCLER and our continued efforts to furnish pertinent short-wave information. They agreed unanimously as to the value of the GLOBE CIRCLER, and our information in general. I am happy to pass this well deserved praise along to you members who are responsible for furnishing this information. Those who need short-wave station data are depending upon us. It is our job to continue to furnish as much; as up-to-date; as accurate information as possible. Each, and every, item helps. Towards this end I solicit your continued cooperation in monitoring regularly and then passing the information along to us.

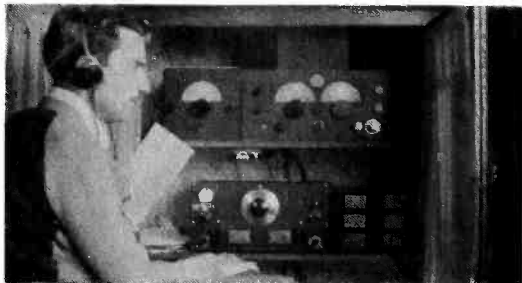
I hate to be continually mentioning the matter of finances but its importance in relation to our continued existence can not be ignored. I therefore am asking you to help in these three ways: 1) Paying your renewal promptly (whether you are dx'ing at present or not); 2) By recommending our publication to anyone interested in shortwave. In this connection what more appreciated could you give a radio interested friend for a Christmas gift than a subscription to our GLOBE CIRCLER (\$1.50); 3) By making a small contribution when, and if, you can.

--Charles A. Morrison.

INTERNATIONAL DX'ERS ALLIANCE CLUB
NOTES

NEW MEMBERS

Jerry E. Jansen, Chicago, Ill.,
W.C. Schultz, Vancouver, B.C., CANADA
Hermenio Traviesas, Traffic Mgr., NBC,
New York City, N.Y. ... Corp. E.J. Roberts,
London, ENGLAND ... William B. Conner, Evan-
ston, Illinois ... Alvin J. Arnheim, New
York City, N.Y. ... E.K. Cohen, Chf. Engineer,
CBS, New York City, N.Y. ... James H. Morton,
Long Beach, Calif. ... E.T. Brown, Chicago, Ill.
... Frank Duggan, Los Angeles, Calif. ... Jim
Dale, Los Angeles, California.

WELL EQUIPPED LP AT SAN FRANCISCO,
OF REGIONAL MONITOR, LES KRUMLINDE

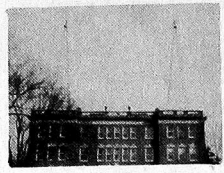
RENEWALS

H. Schrock-R.I.; Ying Ong-Ariz; W. Howe
-Washington, D.C.; J. Picard-Mont; N.H.
Harrison, -Miss; C. Sinsabaugh-Mich; Dyer
Matlock Jr. -Tenn; Jake Field-Calif;
Mike Fern-Calif; E. Payette-Mich; Louis
E. Thoreson-CANADA; J. Shaw-SCOTLAND; Ed
Baker-Calif; F.W. Norris-N.Y.C.; J. Wells-
Ala; W.V. Scholz-Mo.; Mrs. Lind-Allwood-
JAMAICA; Robt. C. Dutcher-N.Y.; W. Stark-
Wisc; P.J. Montenegro-VENEZUELA; Grant
Batson-N.Y.; Capt. Gebauhr-N.J.; F. Clay-
Calif. (Contributions)- Ed. Baker; Mike
Fern Jr.;

PERSONAL NOTES

Thomas G. Grey (Cicero, Ill), Aviation
Radio Material School, Ward Island, Cor-
pus Christi, Texas, was married on Sept.
26... R.T. Coales (Southsea, England), now
in Radio location repair in the R.A.O.C.,
expects to be in the Royal Electrical &
Mechanical Engineers, when this new unit
is formed... Geo. Starry (Latrobe, Penna.)
is at the U.S. Receiving Ship at Norfolk,
Va... Former IDA Australian Rep., Ray
Simpson, now pilot officer Simpson with
the Royal Australian Air Force at Port
Moresby, Papua, has been seeing some ex-
citing times recently; sent for his 5
tube portable but it was lost somewhere
-"Perhaps it may follow me to Tokio so
I should be able to bring it home some-
day." ... W.M. Conner, Evanston, Ill., has
received his induction papers... Eric W.
Watson, from Christchurch, N.Z., who was
in England, with the N.Z. forces, has
been ill and has been repatriated on
medical grounds & will return home...
Charles Kibling (W2EOA), N.Y. is now a

in the Signal Corps... J.G. Richardson (Yakima, Wash), is in the Field Artillery at Camp Roberts, Calif... Corp. T. Colegrove (charter IDA member) is a radio op. at a War Dept. telegraph station at Camp Forrest, Tenn... Gail Beyer is in the Ordnance at Ft. Falls, Mont... The camp or home address of any of these men can be had by writing to IDA headquarters.



85' AERIAL MASTS OF STEVE MANN'S LP, ATOP PHYSICS BLDG., DARTMOUTH UNIV., HANOVER, NH

ON HOME FRONT: Jim Wedewer, Dyersville, Ia., is now working for the FCC in Washington... W. Howe (Tuscaloosa, Ala) is now in the Naval Research Lab. in Washington, as is J. Voisich, former-ly of Washington, Mich... K. Board, 238 Franklin St., New Martinsville, W. Va., would like to borrow, rent or buy a good reconditioned communications rcvr... Los Angeles Chapt. of IDA is still having well attended meetings. Contact A. Balbi, 1090 W. Kensington Road, Los Angeles, for information as to place and date of next meeting... World Wide Dial Club, Chicago, has elected the following officers for year: F. Anzalone, Pres; J. Michalski, Vice Pres.; J. Jansen, Sec; R. Irwin, Treas.

Short Wave Notes continued from Page 8) --- 1:30-3am to NA on 11.775 & 10.065; 4:30am on 6.125; 9-11am on 9.545 & 5.72; 5-6pm on 9.545 (**Balbi, Krumlinde-W) Harbin (6.035) heard lam intermittently to 11:10am; qrm'd by WRUS (Balbi-W*) APUA VIG (7.31), Port Moresby, still heard irreg. 7-7:30am in Eng. (Van Auken) I. KZRH (Now 11.60, 9.64, 6.14), operates 6pm-4, 4:30-9am; English news now at 8:43-8:53am on all freqs. (*Krumlinde, Balbi-W) ARAWAK Kuching (6.98), heard weakly when condx. are good 6-7:10 am or later; English talk 7-7:10am (Van Auken-C***) HALLAND HSP5 (11.715), Bangkok, now operates 7-9, 9:30-10:30am; Native program on 6.06, 7-10:50am (Balbi, Krumlinde-W, CAM-C) URKEY TAQ (15.195) on the air again, is being heard to 7am; on 9.465, the program concludes at 3:45pm; Eng. news at 2:15pm (Skyten, Ferguson, Jones-E*)

Short Wave List continued from Back page 16)

49.59S	6.05	GSA London, England	12:15-5:45am (European Service)
49.66	6.04	XETW Tampico, Mexico	8pm-2am.
49.66	6.04	WRUW Boston, Mass.	Present schedule unknown.
49.70S	6.035	Harbin, Manchukuo	1-11:15am.
49.73	6.03	HP5B Panama City, Panama	11:30am-3, 7-11pm.
49.73	6.03	CFVP Calgary, Alta., Canada	11am-3am... News lam.
49.73S	6.03	DXP Berlin, Germany	2:45-4, 4:15-4:30, 4:45-6:45, 7-7; 15, 9pm-1:30 am to NA... News 9, 10, 11, 12, mid., lam. /am
49.73	6.03	CR7AA Lourenco Marques, Mozambique	1-2, 5:30-8, 1-5:20pm; Sun. 5:30-8
49.75	6.03	XEKW Morelia, Mexico	9am-2, 6pm-12:40am.
49.78	6.026	HILJ San Pedro, D.R.	12:40-2:40, 7:10-9:40pm or later. /1052, 1152p
49.78	6.026	Gustav Siegfried	Eins 2:52, 3:52, 4:52, 5:52, 6:52, 7:52, 8:52, 952,
49.80	6.023	XEUW Vera Cruz, Mexico	8am-2am.
49.83S	6.02	DJC Berlin, Germany	1:45-5:35pm to Africa... News 2:15pm.
49.85N	6.018	HJKF Bogota, Colombia	To 11:30 or 11:40pm. *
49.88	6.015	H13U Santiago, D.R.	7:57-9:55am, 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, 10pm.
49.92S	6.01	DXO Berlin, Germany	1-4am.
49.92N	6.01	Calcutta, India	7-11:15am, 9-11:15pm... News 8am. *
49.92	6.01	PRAS Recife, Pernambuco, Brazil	4-10pm.
49.92N	6.01	GRB London, England	12:05-12:30am, 3-3:15am, 1-8pm... News 5:45pm.
49.95	6.007	ZRH Johannesburg, S. Africa	11:45pm-1:45, 10am-4pm.
49.96	6.005	CFCX Montreal, Canada	9am-11:15pm.
49.96	6.005	HP5K Colon, Panama	8am-2, 6pm-12 mid... News 7, 9:20pm.
49.98	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.
50.21	5.975	OAX4P Huancayo, Peru	10pm-12 mid.
50.23	5.972	H1QRX Quito, Ecuador	7:45-9am; Evenings to 12 mid. or later.
50.25S	5.97	VONH St. John's, Newfoundland	10am-2:30, 4:30-9:40pm.
50.26	5.968	HVJ Vatican City	2-4pm; Fri. 2:15-2:30am.
50.34	5.96	So. African	11:45pm-1:45, 6:30-7:10, 10am-4pm... News-Mid.
50.45	5.947	HH2S Port-au-Prince, Haiti	7:30-11pm; Sun. 12-2pm.
50.51	5.94	OAX2A Trujillo, Peru	9am-12 mid.
50.52	5.936	PJCL Willemsted, Curacao	7:45-10:18pm
50.54	5.935	Khabarovsk, U.S.S.R.	4am-1pm.
50.90	5.89	ZNB Mafeking, Bechuanaland	11:45pm-1:45am etc.

Balance of List including 60 Meter 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. Lysterly, Chas. Lebouef, Thomas Jones.

PRESS DEADLINES FOR FEBRUARY GLOBE CIRCLER: Jan. 11. The FEBRUARY GLOBE CIRCLER will be mailed on, or about February 2.

SHORTWAVE NOTES FOR THE GLOBE CIRCLER

For the duration shortwave information is vitally important. We need plenty of notes. Please submit items as follows: Use one side page only...Double space all lines...Group items by continents...Be sure to state time used. We are most interested in times 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.

GOVERNMENT AND INTERNATIONAL BROADCASTERS, IN U.S., UNITE FOR DURATION

On Nov. 1, with little publicity, the war-time union of U.S. international broadcasters with government agencies, the OWI (Office of War Information), and COIAA (Coordinator of Latin American Affairs), was formally effected.

Under the new set-up all transmitting facilities of our short-wave stations have been leased by the government for the emergency period (not to exceed five years). Programming will be done entirely by OWI, NBC & CBS, and programs will originate from studios at NBC, CBS, KGEI, KWID or OWI. The new network, known as the Bronze Network is managed by F.P. Nelson, with John R. Sheehan, formerly of WGEA-WHEO, as assistant manager. Headquarters of the unified organization is in the OWI building at 224 West 57th St., New York City. The best programs of NBC & CBS are being retained, and to them are being added many new programs to fulfill the wartime need. Additional transmitting facilities will be added to the Bronze Network as fast as they can be built. The one object of the unified voice known as "The Voice of America," will be to tell the truth to the peoples of the world about what is happening from day to day; about America's part in the war effort.



LP OF R-M BUD KOPP,
OF ROCKFORD, ILLINOIS

SHORTWAVE NOTES

NORTH AND CENTRAL AMERICA

E.W.T. Address: "Radio Antigua," C/o Mrs. H. McDonald, Publicity Officer, St. John's, Antigua, Leeward Islands, British West Indies (VRC) E.W.T.

BAHAMAS ZNS2 (6.09), Z FY (6.08) & VONH (5.97) all rebroadcast BBC English news at 6:45pm; ZNS2 has local English news at 8:15pm (Jones, Ferguson, Cobb-E)

CANADA CJCX (6.01), Sydney, 1KW, verifies promptly with grey-black card; has English news at 10pm; CFRX (6.07), has English news at 7am (Cobb, Wilson-E, Juett-C)

C.R. TIWS (6.07), being heard until 12:15am ex. Sun (Baxter, Gozen-E).....

TIEMP (10.05) is on the air again and heard irreg. 11pm or earlier to sign-off at 12 mid. (Van Auken-C)

CUBA COCD (6.13), back on the air again, is heard 6pm-12 mid. (Sun. to 11:10 pm (Detroit-E, Kopp-C, Krumlinde, Balbi-W)...COKG, Apartado 137, Santiago, state their frequency is 8.95 (Watson-C)...CMZ1 (now on announced freq. of 7.2 but varies from 7.175 to 7.22), operates approx. 8am-1,6pm-12 mid. (Hankins, Cobb, Allen, Ferguson, Dutcher, Newell, Baxter, Becker, Jones, Skyten, Lebouef-E, Kopp, Acton-C, Balbi-W)

CURACAO PJCL is now operating simultaneously on 7.25 & 5.936, week days 7,45-10:20 (Sun. 8pm-10:20pm). Heard in Spanish at 7:45; in Dutch 8pm; in French 8;30 pm; in English irreg. 9:30 or 9:40pm (*Payette, Hankins, Newell, Baxter, Juett, Acton-E, Krumlinde, Fern-W)

D.R. HI1Z (6.316) now signs off nightly at 10:45pm (Kopp-C)...HI2G (9.300)

is now heard as early as 7:30am (Newell-E)...HISU (6.015) signs-off at 9pm.
 SALVADOR YSG (9.94) heard foning at 9:25pm (Allen-E)...YSY is now on 7.175
 (Gozen,Newell,Baxter-E,Kopp-C).Single bell used between announcements.
 MATEMALA TGWB now on 6.50 (Balbi-W); TG2 now on 6.21 (Kopp-C)...TG2 (6.21)
 heard with TGQA (6.405) to 2am Sun,also Sun. approx.9-9:30am (Krumlinde-W)
 HHTM (9.658),operates 6:30-9am,1-2,7-9:45pm (Gozen,Lebouef,Hankins)
 KKP (16.03) heard working KKQ (11.95) & KEM (15.49),2-3pm (Fern-W).
 HERN (5.875) is now heard with much louder signals; announcements in
 English near 8 or 8:05pm & 10pm. Signs-off weeknights at 12 mid.; Sun.at 10:45
 QRM'S the So.African on 5.875,11:45pm-12 mid. (Hankins,Newell-E,Kopp-C*)
 ZQI (4.70), Kingston, operates 6:15-7:15 (Sat.irreg. to 7:40pm); has
 English news at 6:15 & headlines at about 7:14 pm. Identification is "Zed Q I."
 Signs-off with "God Save the King. Is weak at first but builds up to good sigs
 by end of broadcast (Ferguson,Baxter-E, Van Auken,Cam-C)

XEBR (11.82), A.P.Postal 68, Hermosillo, Sonora, relays XEBH with a
 power of 1 KW; verifies with a card showing a map of Mexico (Bringhurst-E)....
 XERQ (9.61), La Cadena de Radio Continental, Bolivar # 30, Mexico City,
 testing for about 30 days, was officially inaugurated on Nov. 25. Operates from
 11am to 11:00 p.m. or later. Makes English announcements & requests reports in
 English occasionally; 2 gongs between announcements (**Jones,Juett,Hankins, Ne
 well-E, Kopp-C)...XEWV returned to its regular freq. of 9.50 on Oct. 24; still
 badly qrm'ed by OAX5C & the Venezuelan (Ferguson,Hankins,Juett,Wilson-E,Balbi-W)
 VONH 's (5.97) announced schedule is 10am-9:40pm (usually signs
 off at 9:30pm);qrm'ed by HClQRX. Relays BBC English news at 6:45 & 9pm (Juett,
 Jones,Wilson,Mrs.Allen-E)

YNRS (6.76), operates 7pm-12;15am; YNLAT (7.615) now on as early as
 7:30pm (Kopp-C)...Has anyone heard YNPH (8.59) recently ?-Ed.
 HP5G (11.78) has English news at 9:35am, 9:45, 11:45pm; sign-off at
 11:52pm-12:00 mid. EWT (Newell,Ferguson,Hankins-E)...HP5K (6.005),Panama Broad-
 casting System, P.O. Box 33, Colon, broadcasts English news at 7, 9:20, 11pm
 (Newell,Jones,Cobb,Hankins-E, Krumlinde-W)

U.S. station schedules & frequencies are undergoing a period of radi-
 cal adjustment. While every means has been taken of bringing them up to date,we
 ask you to bear with us in the case of those found incorrect- Ed. Schedules fur-
 nished by authentic sources follow (EWT):

- KWID: 5-9:15pm on 15.29, 9:30pm-12:45am on 9.57, 12:55-2:30am on 15.29, 3-6:05
 on 9.57, 6:15-9:30 & 9:45am-1:15pm on 7.23. . . KES3 (10.62), relays KWID,12:58
 -6am; KES2 (8.93), relays KWID, 6:15am-12:30pm. . . KVV (10.84), relays KWID,
 2-7:05,8:30-10:30am (Baxter,Wilson,Ferguson,Juett-E, Fern,Picard-W)
- KGEI: 5-10:30pm on 11.73, 11pm-12:45, 1am-12:05pm on 7.25. . . KET (9.48), re-
 lays KGEI 12:58am-12:30pm (Cobb,Juett,Wilson,Allen-E, Balbi,Fern,Picard-W)
- KWU: 4:30-6:15,7:45-9:30pm, relays OWI programs to Alaska (Fern-OWI)
- WBOS: 9am-1pm on 11.87, 5:30pm-12 mid. on 11.87 (Wilson,Dutcher,NBC-E)
- WCB: 3:45-4:15pm on 15.58. . . WCL (9.39),approx. 6-8:30pm (Juett,Baxter-E)
- WCV: 8am-7pm on 15.85, relays WLWO (Dutcher,Wilson-E)
- WGEA: 9am-5:15 on 15.33, 5:30-7:45 on 15.33, 8pm-12 mid. on 9.53 (Wilson,NBC)
- WGEO: 6-8am on 9.65, 9am-5:15,5:30-7:45 on 11.847, 8pm-12 mid. on 7.00 (NBC-JW)
- WJQ: 12 mid.-4,6-9:15am on 10.01 (Wilson-E) /12 mid. on 9.59- JW
- WLWO: 9-10,10am-1pm on 15.25, 1:15-5:15pm on 11.71, 5:30-7:45pm on 15.25, 8pm-
 9-11:30,11:35am-7:15pm on 15.15, 7:30pm-4:45am on 9.67 (Wilson-NBC)
- WNBI: 9am-12:45pm on 17.78, 1-4:45,5-11:30,11:35pm-4:45am on 11.893 (Wilson-NBC)
- WRCA: 7:30pm-2am (Other skeds of WRUW-WRUL-WRUS unknown at present-Ed)
- WRUW: 6am-4:45pm on 15.27, 4:50-7:45 on 15.27, 7:50-11:30pm on 9.48, 11:45pm-
 /2am.
- WCDA: 6am-6:45pm on 11.83, 7pm-2am on 6.06.
- WCRC: 6am-5:15,5:20-7:15pm on 17.83, 7:20pm-12 mid. on 11.83, 12:15-2am on 6.17

SOUTH AMERICA

Unidentified Argentine heard on 5.9, 8-11pm (Juett-E). . . According
 to La Nacion, LRS (9.32) and LRS1 (6.09), shortwave outlets of "La Red Argentine
 de Emisoras Splendid,S.A.,began operations June 1 & are on nightly relaying LR4
 PSH (10.22),now broadcasts nightly ex.Sat/Sun 7-8:45pm; /Mann- E.
 has English news at 8:30pm (Becker,Ferguson-E, Kopp-C)...PST (12.08),Rio, is be-
 ing heard 7-8:45pm or later irreg. relaying PSH (Baxter,RL-E)...Call letters for
 the Sao Paulo station are: ZYB7 (6.095), ZYB8 (11.765),ZYB9 (15.155). ZYB7 is on
 Sat. to 12 mid. (Jones-E,Fern-OWI)
 ZFY (6.08), broadcasts program preview at 6:45am; rebroadcasts BBC
 English news at 7am; French news at 7:15am (Ferguson,Allen,Lebouef-E)
 HJCA (4.855) gives English lessons 10:45-11pm irreg. (Gozen-E)..HJKF
 (6.013),Voice of Columbia, Bogota,is being heard weeknights to 11:30 or 11:40pm.

Signs-off with a march & the "Indian Love Call" (Krumlinde-W, Kopp-C)
DUTCH GUIANA PZX3 (5.865), signs-off nightly 8:35-8:45pm. Before sign-off 2
 chimes are sounded in 3 groups, & transmission ends with Dutch anthem (Newell-E)
ECUADOR HCJB, Casilla 691, Quito, is broadcasting at present on 9.958 only;
 broadcasts English mail box Wed. at 7:45pm (Bringhurst, Cobb, Dutcher-E, Kopp-C)
VENEZUELA YV1RO is now on 3.315 (Gozen, Baxter-E)...YV1RU (3.44) heard Sat. to
 11:40pm (Baxter-E)...YV1RX (4.80) signs-off at 11pm (Gozen-E)...YV1RZ (4.84),
 signs-off at 10:30pm (Gozen-E, Lyrly-C)...YV1RY (4.77), signs-off at 10:30pm...
YV2RC (3.42) signs-off at 10:30pm (Gozen-E)...YV3RN (6.12) heard well Sat. to
 after 11:30pm, drowning out XEUZ (Baxter-E)...YV3RX is being heard on 3.41 mcs.
 (Baxter-E)...YV4RO (6.13), opens its programs at 7:30am (Allen-E)...YV4RP (3.46)
 signs-off at 11pm (Gozen, Baxter-E)...YV5RS now on 3.36 (Gozen-E)...YV5RU (6.07)
 opens its programs at 7:30am (Allen-E)...YV5RX (3.505), "La Voz de la Patria," is
 well heard nightly to 11pm (Gozen, Baxter-E)...YV6RC (3.45) signs-off at 10:30pm

AFRICA

ALGERIA "Radio Alger" was off the air Nov. 8-13 following American occupation,
 but contacted CBS on Nov. 14 at 6:48pm on 8.96. No regular program service is be-
 ing broadcast at this time but TP22 (8.96), is used for network pickups as fol-
 lows: Weekdays 6:45-7pm, Chas. Collinwood for CBS; 7:15-7:25pm, John MacVane for
 NBC; 7:25-7:30pm, Robt. Donnet for BBC; Sun. 2:30pm for CBS. TPZ (12.12), has
 been heard testing 3-4 & 7-7:30pm irreg. (**Jones, Ferguson, Mrs. Allen, Messer,
 Bringhurst, Juett, Lebouef-E, Acton-C, Fern-W)

BELGIAN CONGO "Radio Congo Belge" (17.77, 11.72, 6.28), now broadcasts 2:30-4:30
 pm; also heard once over OPL (20.04) (Jones, Ferguson, Lebouef, Juett-E, Wedewer-C).
 ...OPM (10.14) appears to be off the air (RL-E)

EGYPT Cairo now broadcasts: 1:45-2:30pm on 7.865, 2:30-3pm on 10.055, and
 3:15-5:45pm on 7.865 (Ferguson, Skyten-E)

MADAGASCAR FIQA (9.70) heard daily 11:00 am. to 12 noon E.W.T. with good strength
 sign-off with "Marseillaise" (Balbi-W)

MIDDLE CONGO FZI (11.97), operates 2-2:20, 9:30-9:45am, 3-5:30, 11pm-12 mid, includ-
 ing following news skeds: in French, 2, 9:30am, 3, 5, 11pm; in Spanish, 4, 5:15pm; in
 English, 3, 4, 11:45pm. FZI expects to be broadcasting with new & more powerful
 transmitters & additional frequencies by first of year (Cobb, Ferguson, Newell,
 Juett, Lebouef-E, Kopp, CAM-C)... "Radio Club" heard on 12.27, approx. 2-4pm; Man
 & woman announcer. Identification is "Ici Radio Club, Vive la France Combat
 tante" (*Mann-E)

MOROCCO "Radio Maroc" heard once on 11.94, 10:15 to sign-off at 10:30 or
 10:40pm with news in French. Heavy gong used as interval sig. (**Van Auken-C)...
 "Radio Maroc" (8.035) Now heard 2:00-5:45pm (Jones-C)

MOZAMBIQUE CR7BE (9.845) now operates 1-2, 5:30-8am, 2:30-5 (Sun. 11am-5)pm. News
 in English is now at 3:15pm (*Ferguson, Mann, Lebouef-E, Balbi-W)

SENEGAL NEW: "Radio Dakar" is being heard on 15.345, daily 1:15-1:35 or 1:40
 pm, with news in French. Gong between items; signs-off with "Marseillaise." Has
 bad qrm from WRUW (15.35). Signal strength loud. Also heard once 8:15-8:30am
 (**Jones-E, CAM-C); also heard on 9.41, 3:15-6:05pm, with signal strength loud-
 est just before sign-off (Ferguson, Jones, Lebouef, Baxter-E)

SO. AFRICA ZRL (9.608) heard on west coast approx. 11am to s.o. at 11:45am; news
 in Afrikaans at 11:30am (*Fern, Krumlinde-W)... Following So. African stations are
 still audible starting at 11:45pm: ZRK (6.097), fades out near 12:15am; ZRH
 (6.007), fades out near 12:30am; ZNB (5.89), heard to sign-off at 1:45am; also
 unidentified stations on 5.98, 5.96, 5.875 (heard after HRN signs-off)... From
 about 11:40 to sign-on time at 11:45pm the above stations broadcast the letter
 "V" in code as a signal. At 11:45pm - opening announcements in English & Afrikaans,
 followed by a trumpet fanfare, and setting-up exercises in Afrikaans; at 12 mid.
 -news in Afrikaans (news in English on 5.96); 12:05-12:30am - setting-up exer-
 cises in Afrikaans, and at 12:30am - relays of BBC English news (*Newell, Fergu-
 son, Hankins, Jones-E, Krumlinde, Balbi-W, Kopp, CAM-C)

CANARIAS EAJ43 (now 7.275), Tenerife, operates 8:30-10am, 2:30-7pm (Gozen, RL-E)

EUROPE

CLANDESTINE New BBC Station (now on 11.93), Axis-operated, heard once 3:30-3:50pm
 (Skyten-E)... Croatian Freedom Station (11.35), heard 2:30-2:40pm in Croatian
 (Newell, Baxter-E)... Radio Inconnu, reported heard on 6.07, 12:45-12:55am
 (NZDXC)... Unknown broadcasting in Arabic on 9.56, 3-3:44pm (Lebouef-E)...
Velebit (Croatia) on 9.51, heard 4-4:30pm, in French & Croatian (Lebouef-E)...
 "Radio Metropole" now operates approx. as follows: 5:30-7:30am on 11.925; 11am-
 1pm on 9.48; 1-3, 4:10-6:10pm on 6.100 (Jones, Becker, Lebouef, Gozen, Skyten-E)...
 "Radio Denmark" (9.48 approx), heard 2-2:15pm in Danish (Jones-E)

AZORES Ponta Delgada (11.09) now operates 4-5pm; on 4.02, 6-8pm (*Jones,

Mann, Becker, Wilson-E).

BOHEMIA DHE4A (11.84) is now operating an hour later or 6-7:30 to S.A. and 7:55-10:15pm to N.A. Still comes with "fish-horn" signal (Hankins-E)

ENGLAND London broadcasts to N.A. as follows: In Eastern Serv- 6:45-8am over GSB (9.51); 8:15-11am over GRE (15.39); In African Serv- 11:30am-3pm over GRE; 3:15-4:45pm over GRG (11.68) & 4-4:45pm over GRY (9.60); In N.A. Serv- 5:15-12:45am over GSC (9.58), 5:15-6:30pm over GRG (11.68), 6:45pm-12:45am over GSL (6.11); to C.A., 5:15pm-12:45am over GRN (6.195), GRH (9.83), from 10:45pm over GRM (7.125); to S.A., GRG, (11.68), 5:15-12:45am, & from 11pm over GRS (7.07). . . English news bulletins beamed on N.A.: 7am over GSB, 9am, 12 noon, 2pm over GRE, 3:45pm over GRG, 5:45pm over GSC, 6:45pm over GSC/GSL, 9pm over GSC/GSL, 10:45pm, 12:30am over GSC, GSL, GRC (2.915). . . BBC Service to Latin America: 6:30 to 10:45pm over GRV (12.04), GSB (9.51), GRM (7.125); 6:30-9pm over GRF (12.095), & 7-10:45pm over GRX (9.69). . . BBC Special Service to Troops in N. Africa: 11:45am-1:45pm over GSF (15.14), 1:15-5pm over GSB (9.51), 4-5pm over GSE (11.86), 5-6:45pm over GRY (9.6). . . The following new BBC frequencies are in use: 3.31, 6.01 (GRB), 6.07, 7.185 (GRK), 17.71, 18.08. For skeds see list. . . The BBC Service to Europe has been moved ahead one hour (Wilson, Gozen, Lebouef, Baxter, Ferguson, Allen, Becker, Cobb, Juett, -E, Acton, Kopp, Lyerly-C, Balbi, Picard-W)

FINLAND Lahti broadcasts to N.A., 11:05-11:50pm over OIX3 (11.785) only (JB)

FRANCE The following is believed to be the present sked of the Vichy xmtr: 3:45-4:30 on 11.845; 7:30-8:15am to NA, 8:30-9:15, on 17.765; 10:45-11:30, 11:45am 12:30, 1-1:45, 2-2:45pm on 15.24; 3-3:30pm on 11.845; 3:45-3:55, 3:55-4:45pm to NA on 9.62; 5-5:45, 6-6:45pm on 11.845; 7-8:45, 9-11, 11:15pm-12:30am to NA, 12:45-1, 1:45-2:30, 2:45-3:30am on 9.62 (Wilson, Jones, Adrade, Gozen-E, Balbi-W)**)

GERMANY Berlin broadcasts to NA: 7-9:45am over DXL6 (15.13), DJB (15.20), DXL 19 (17.85), & DXT (15.23) to 9:15am; 5:50-8:30pm over DJB (15.2), 9pm-1:30am over DXP (6.03), 5:30pm-12 mid. over DJD (11.77) DZD (10.54), and New DDG or DGG (9.52), DXJ (7.24) (to 1:30am). . . DGG? (9.52) also operates 12:15-4:15pm. . . Berlin broadcasts to Africa: 11:20am-5:35pm over DJL (15.11), DXR (11.76), DJX (9.675), and DJC (6.02) (from 1:45pm). . . Unidentified German on 6.09, heard signing-off at 12:20am. . . Unidentified German on 7.09 heard to 7pm. . . See list for numerous changes in Berlin transmissions & frequencies (Ferguson, Newell, Juett, Allen, Cobb, Hankins, Gozen, Jones, Wilson, Baxter-E, Wedewer, Lyerly-C, Balbi-W)

HOLLAND DXU9 (9.59), Huizen, carries Berlin programs daily 4-5:45, 5:50pm to 12:15am. The 15.22 freq. is not in use at present (Jones, Wilson, Juett-E)

ICELAND TFJ (12.235) broadcasts to the Blue Network, every other Tuesday, 4:45-5:00 (Dec. 29, Jan. 12 etc.); also to NBC Tues or Thurs. 7:15-7:30pm irreg. (Ferguson, Cobb, Jones, Hankins, Payette-E, Kopp-C)

IRELAND "Radio Eirrean" (9.595) is now heard approx. 5-5:35pm (Wilson-E)

ITALY Rome now broadcasts to N.A.: 7:30-7:50am, 12:40-1:40pm over 2R06 (15.3) 8:30pm-12 mid. over 2R04 (11.81), 2R03 (9.63), 2R011 (7.22) (Wilson, Gozen, Jones, Hankins, Baxter, Becker, Newell, Cobb, Juett, Allen-E, Balbi-W). . . English news in the N.A. Transmissions is heard at 7:40am, 1, 8:30, 10:30pm. Other English news-casts may be heard at 10am over 2R06-2R04-2R011; at 4pm over 2R06-2R04-2R03; at 6pm over 2R06-2R022-2R04-2R018-2R019-2R03-2R011-2R023 (Jones, Wilson, Ferguson, Gozen) . . . NEW ROME frequencies: 2R024 (15.48), 7-8:50am; IRV2 (9.55) & I-- (7.575), 4:30-5:30pm (Lebouef, Allen, Jones-E**). . . Numerous Rome changes shown in the list.

PORTUGAL Emissora Nacional now operates: 2:30-6:30, 6:45-8:45pm on CSW6 (11.04) 9-10pm on CSW7 (9.735) to N.A. (*Lebouef, Ferguson, Jones, Juett-C, Balbi-W, JW-C). . . Portuguese station on 10.96, apparently using call CS25W, heard on same time as CSW6 but with different program (*Burton-England)

ROUMANIA Radio Bucharesti (9.25), heard 9:30am or earlier to 10am; also approx. 2:55-5pm; English news at 4:50pm; badly qrm'ed. May be identified by a 10-note tune repeated at intervals (*Lebouef, Ferguson, Jones-E, Cushen-N.Z.)

SLOVAKIA According to the Czechoslovak Consul General, "Radio Bratislava" (9.503), is broadcasting in Slovak to the U.S., Sun/Tues/Fri 4-6pm (**Bringhurst)

SPAIN Madrid (7.03) is off the air now (RL-E). . . Madrid (7.204) has news in Spanish at 5-5:05pm (Gozen-E). . . EAJ9 (7.143), Malaga, signs-off at 7pm (Gozen, Jones-E). . . Valencia (7.037), signs-off at 7:04pm; plays "Valencia" frequently.

SWEDEN A letter-vari' from Stockholm, signed by Sven Wilson, gives the current operating sked as follows: 2:45-3:15am ex. Sun, 2-2:15, 5-5:15, 9-10pm to NA, (Sun. 4am-5:15, 9-10pm), over SBP (11.705); 11am-12 noon over SBT (15.155); 5:20-5:35pm (Sun. 5:20-5:40pm), 9-10pm to NA over SBU (9.535); English news at 11am, 9pm (*Becker, Jones, Payette-E, Acton, Wedewer-C)

SWITZERLAND HER5 (11.865) broadcasts to Australia, Tues/Sat, 2:45-4:10am; English features are broadcast at 3, 3:30 & 4:05am. Bern broadcasts to Africa, Fri. 2:45-4:15pm over HBO (11.402) & HER3 (6.165) (Ferguson, Becker-E, Johnson-W)

U.S.S.R. Soviet English transmissions to N.A. are as follows (EWT):
 7:40-8:20am (15.75-15.23-10.445-9.86- 8:00-8:50pm (12.19)
 9.565-9.545-6.98) 9:00-10:00pm (12.19-11.95)
 9:15-9:30am (15.75-14.40-9.86-9.545) 9:15-9:40pm (15.23-15.11-9.565)
 5:15-5:40pm (15.23-15.11-9.565) 11:15-11:40pm (15.23-15.11-9.565)
 6:48-7:30pm (15.23-15.11-12.19-9.86-9.77-9.565-6.98) (Hankins, Becker, Roberts,
 Gozen, Ferguson, Newell, Lebouef, Skyten-E, CAM-C, Krumlinde, Balbi, Fern, Field-W)
 ...Other Soviet freqs. heard: 11.95-11.70-9.77-9.48-8.94-8.05-7.52-7.36-6.13
 5.936. Times heard given in list (Lebouef, Baxter, Jones, Juett, Skyten, Newell, Fer-
 guson, Allen, Hankins, -E, Kopp, CAM-C, Balbi, Fern-W, Burton-Eng.)
VATICAN CITY HVJ (15.12), heard in Spanish 7:15-7:45am; HVJ (9.66), heard 1:45 to
 2:30pm, in English, to South Africa (Lebouef-E)

ASIA AND OCEANIA

ARABIA ZNR (12.115) heard several times recently, early as 12:50 to sign-off at
 1:30pm. Gives identification in English as Zed N R each 15 mins (Ferguson-E**)

AUSTRALIA OVERSEAS BROADCASTS FROM AUSTRALIA ARE NOW AS FOLLOWS (EWT):

12:25-1:10am to W.NA- (Engl. news at lam)	VLG3-11.71	6:40-7:15am to N.E. Asia	VLQ2-11.87
	VLQ10-9.59	7:25-8:25am to E.NA	VLG2- 9.54
1:15-1:45am to A.I.F.	VLG3-11.71	8:40-10:55am to S.E. Asia	VLG2- 9.54
1:55-2:40am to Tahiti	VLG3-11.71	(From 9:15am)	VLW6- 9.68
2:55-3:27am to Britain	VLG3-11.71	11:10-11:45am to W.NA	VLG2- 9.54
3:30-4:00am to New Guinea	VLG3-11.71	4:45-5:05pm to N. Australia	VLG7-15.16
4:00-4:30am to Australia (English news)	VLW3-11.83	10:00-10:45pm to Suva	VLG6-15.23
		11:00-11:45pm to W.NA	VLN8-10.525
4:30-5:25am to New Caled.	VLG3-11.71	(New time for this trans.)	VLG9-11.90
5:30-6:00am to A.I.F., Eng.	VLG3-11.71	(**Bailey, Ferguson, Hankins, Hale, Wilson, Lebouef, Newell, Becker, Budrecki, Pagenhardt, Juett, Katelus-E, Balbi, Krumlinde, Fern)	

CAROLINES Palau heard: 3-4:30am, 8-9:45am on 9.565; 5-8:30pm on 11.74 (Jones,
 Unknown on 4.93 heard 9-10am (9-9:45am in Eng) /Krumlinde, Fern-W)

CHINA Irreg. (*Van Auken-C)...Sked for XGOA (9.72): 1-2:25, 7am-5pm (*Ferguson, Ong)...
 XGAP (10.24) now opens at 5am (Krumlinde-W)...XGOX (15.18), heard Tues. only, 8:00
 -8:45pm approx. in Chinese (Ferguson-E)...XGRS (now 11.685), now heard opening
 at 6:45pm with Eng. news (*Balbi, Skyten-E)...XIRS (11.99) heard weakly 7-8:30pm
 or later, with Eng. announcements (*Skyten-E)...XMHA (11.86) now comes on at 9pm
 (*Newell-E)...XPSA (now 8.484) operates: 8:15-11:30am, 5-6:45pm (Ong, Ferguson-E)

F.INDO CHINA Saigon (11.78), heard evenings now 7:45-8:25pm (*Fern-Calif.) /AF-W

HONG KONG JZHA (9.47), now appears to operate 5-9:20am; CW QRM (Krumlinde,-

INDIA "Voice of Free India"- Axis clandestine, now operates 10am-12:05pm
 on 9.590 & 11.47; 9:30-11:30pm on 9.590; --also operates as "Azad Moslem Radio",
 9:30-9:45am, and "National Congress Radio" 12:15-12:55pm, both on 9.590 (**Jones,
 Dutcher-E, CAM-C, Balbi-W. . . All-India Stations- with hours best heard- have
 been reported as follows: EWT:

VUB2- 4.88, 9-10:30am or later	VUM2- 6.155, 6-11:30am
VUC2- 4.84, 8:30-11am or later	VUM2- 7.2677, 9:30-11pm
VUD2- 4.96, 8:30-11:15am	VUD4- 9.59, 7-11:15am, 8:30-11pm.
VUM2- 4.92, 9-11:30am or later	VUD-- 9.66, (moved from 11.79), 7-9:20am
VU--- 6.19, 7-8:10am or later	News in English can be heard over VUD2 and VUD4 at 8 & 11am; also over VUD4 at-- 10pm (Newell, Ferguson, Allen, Lebouef, Gozen -E, Krumlinde, Balbi, Fern-W, Van Auken-C)
VUD2- 6.01, (moved from 7.29), 7-11:15am, 9-11pm.	

JAPAN Tokyo introduced a new 50 KW xmtr. and many changes in freq. & sked
 on Dec. 3...Tokyo now broadcasts to NA: 12:30-2:30pm over JZI (9.535), JLG2 (9.505);
 7-11pm to E.NA over JLG4 (15.105), JZ J (11.8); 2:00-4:00 a.m. over JZI (9.535),
 JZJ (11.8). Eng. news at 12:30, 2, 7, 9:20pm, 2, 3:30am. ...Tokyo broadcasts to Eu
 rope: 3-6:30pm over JWV (7.527), JLG2 (9.505)...Other transmissions about which
 we still have incomplete details: 5-10:30am over JLG2 (9.505), JZJ (11.8), JZI
 (9.535); 5-9am over J-- (9.595), JWV (7.257), JLG (7.285), PALAU (11.74); 2:15-6:30
 pm over JLG4 (15.105)...Unidentified Jap xmtrs. are heard as follows: 3.71 &
 3.80, 6-10am; 4.94, 5:30-10am; 5.79, 8:30-9:50am; 10.02, 4-5am; 10.05, 2-3am
 all English; (**Cobb, Wilson, Allen, Hankins, Ferguson, Jones, Newell, Becker, Juett-E,
 Van Auken-C, Picard, Balbi, Krumlinde, Fern-W)

JAVA YDA (3.04), heard 6-9am, 6:15-7pm; Eng. news 6:30pm (Van Auken-C, VRC)
 ...Unknown on 3.76, 7-9am (Van Auken-C)...Batavia (18.135) operates 5:57-10:33am,
 5:30-7, 10-11:30pm; Eng. news 7, 10am, 11pm (**Cushen-N.Z.)

MACAO CR8AA (6.25) can be heard to 9am irreg. (Cushen-N.Z, **)

MALAYA Shonan (12.00), is heard weakly 7:30 to 8:30 pm.; native music; man
 announcer (*Becker, Skyten, Baxter, Gozen-E, CAM-C, Balbi-W)

MANCHUKUO Central Broadcasting Station MTCY, 601 Daido Taigai, Hsinking, now
 broadcasts: 12:30-1am on 11.775; 1:30-3am to NA on 11.775 & 10.065; 4-8:30am on

SHORT-WAVE BROADCASTING STATIONS

SYMBOLS: N — NEW stations; F — Frequency changes; S — Change in sked; J — Stations persisting 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	21.65	GRZ	London, England		7:15-7:30, 7:45-8, 8:15-8:30, 8:45-9:15am			
13.97S	21.47	GSH	London, England		6:30-6:45, 6:45-11:15am	to Africa		
15.31S	19.59	2R017	Rome, Italy		7-7:25, 9:55-10, 11-11:30am, 1-1:45pm			
15.37N	19.52	IRW	Rome, Italy		8:30-8:45am (Russian)			
16.23	18.48	HBH	Bern, Switzerland		Tu/Sat 9:45-11:15am	to Orient. /10, 11 p.m.		
16.54S	18.13S		Batavia, Java		6-10:45am, 10-11:30pm. News 7, 8, 9, 10, 15am,			
16.59N	18.08		London, England		11:30-11:45am, 12-12:15pm			
16 METER BAND								
16.64	18.03	GRQ	London, England		6:45-11:15am	to S.A.		
16.77S	17.89	GRP	London, England		11:15-11:30am (French)	for Madagascar		
16.81N	17.85	DXL19	Paris, France		7:00-9:45am	to N.A. News 7:30, 9:30am		
16.81S	17.84S	DJH	Berlin, Germany		3:45-11am	to S. & E. Asia... News 5:30, 8am.		
16.82	17.84		Athlone, Ireland		8-9:30am, 1:30-2:15pm	News 1:45pm		
16.83S	17.83	WCRC	New York, N.Y.		6am-4:45, 5:20-7:15pm			
16.84S	17.82	2R08	Rome, Italy		8-8:15, 8:45-9:15am.	/4, 11am, 12, 2pm.		
16.84S	17.81	GSV	London, England		2:45-5:45, 9:30-11:15, 11:30am-2:15pm	News		
16.86S	17.79	GSG	London, England		6:45-7:15, 7:30-8, 11:30-11:45am	News-Fri.		
16.87S	17.78	WRCA	New York, N.Y.		9am-12:45pm	77:30am		
16.88S	17.77		Leopoldville, Belgian Congo		6:55-8:15am, 2:30-4:30pm	*		
16.89F	17.76S		Vichy, France		7:30-8:15am	to NA; 8:30-9:15am	News 7:40	
16.89S	17.76	DJE	Berlin, Germany		3:15-6:15, 7-10:30am	News 5:30	/am	
16.91	17.74		Brazzaville, Middle Congo		At 2, 3, 4, 6:30, 8:30, 9:30am, 2-3, 4:30			
16.93	17.72	LRA5	Buenos Aires, Argentina		Fridays 5-5:30pm (Eng.)	to NA	-6pm	
16.94N	17.71		London, England		9am-12:45pm	to Africa... News 10:30am		
17.20	17.44S	HVJ	Vatican City,		Tues. 11am-12 noon	News 11am		
19 METER BAND								
18.93S	15.85	WCW	New York, N.Y.		8am-7pm	/NA		
19.05S	15.75		Komsomolsk, U.S.S.R.		7:40-9:30am (7:40-8:19, 9:15-9:30am	to		
19.26S	15.58	WCB	New York, N.Y.		3:45-4:15pm			
19.38N	15.48	2R024	Rome, Italy		7-8:50am	to E. Asia... News 7:30am		
19.42S	15.45	GRD	London, England		3-5:45am, 6:45-9:30am.	/pm; Su. 9:10-11:40		
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		3-5:45, 7-7:30, 7:45-11 (8:15-11am	to NA), 11:30am-3pm	to NA, 3:15-3:30pm	News 4, 9am,
19.53	15.35S	KWU	San Francisco, Calif.		4:30-6:15, 7:45-9:30pm	to Alaska/12, 2pm		
19.54S	15.35	WRUW	Boston, Mass.		11am-6:30, 7:30pm-2am	approx.		
19.55N	15.34S	FGA	Dakar, Senegal		8:15-8:45am, 1:15-1:35pm (French news)	*		
19.56	15.34	DJR	Berlin, Germany		1am-12 noon	to S. & E. Asia... News 1:30, 3, 8am		
19.57S	15.33	WGEA	Schenectady, N.Y.		9am-5:15, 5:30-8:45pm.			
19.60S	15.31	GSP	London, England		1:45-6, 6:15-6:30, 7:15-7:30, 8:15-8:30, 8:45-10, 10:30-10:45, 11:45am-Noon, 12:15-12:30, 12:45-2:15	News 2:15, 4am		
19.61S	15.30	2R06	Rome, Italy		12:30-1:30am	to W.NA; 3-3:30, 7:30-7:50am--		
19.62SV	15.29	KWID	San Francisco, Calif.		5-9:15pm, 12:55-2:30am	4:40, 7:40, 10am, 1		
19.62	15.29	LRU	Buenos Aires, Argentina		7:15-8:15am	/6:15p		
19.63S	15.28	DJQ	Berlin, Germany		2:30am-12 noon, 4-6pm	News 1:30, 3, 5:30, 8,		
19.64S	15.27	WCBX	New York, N.Y.		6am-4:45, 4:50-7:45pm.	/10am.		
19.66S	15.26	GSI	London, England		6:45-11:15, 11:30am-5pm	News 7, 9, 11am, 2,		
19.67S	15.25	WLWO	Cincinnati, Ohio		9am-1, 5:30-7:45pm.	/3:45pm		
19.67S	15.247	CR7BD	Lourenco Marques, Mozambique		1-2, 5:30-8am, 1-5pm (Sun. 11am-3			
19.69S	15.24		Vichy, France		9:30-10:30, 10:45-11:30, 11:45am-12:30, 1-1:45, 2-2:45pm.	/7:30, 9:15-9:40, 11:15-11:40p		
19.70S	15.23		Komsomolsk, U.S.S.R.		7:40-8:19, 9:15-9:30, am, 5:15-5:40, 6:48-			
19.70S	15.23	DXT	Berlin, Germany		7-8:30	to NA, 8:30-8:45	to Eng, 8:45-9:15am	
19.70SV	15.23	VLG6	Melbourne, Australia		10-10:45pm	to Fiji's /to NA... News 7:30a		
19.72S	15.20	DJB	Berlin, Germany		7-9:45am	to NA, 10:30-10:45am, 5:50-8:30pm		
19.74N	15.19S	TAQ	Ankara, Turkey		5:30-7am	*/to NA... News 7:30, 9:30am,		
15.75S	15.19	OIX4	Lahti, Finland		10:55am-7:05 (2:05-2:50pm	to NA)... News 210		

H	19.76S	15.18	GSO	London, England	6:45-7, 8:15-9:15, 11:30-11:45am, 12:30-1pm.
H	19.76S	15.18		Moscow, U.S.S.R.	11:15-11:45am (German)
	19.76S	15.18	XGOX	Chungking, China	8-8:45pm irreg. (Heard usually on Tues) *
H	19.78S	15.17	TGWA	Guatemala, Guatemala	1:45-2:55pm to NA; Sun. 1:45-6:15pm.
	19.78S	15.165	PRE9	Fortaleza, Ceara, Brazil	6-9pm approx.
H	19.79S	15.16	VLG7	Melbourne, Australia	4:45-5:05pm, 5:45-6:15pm. *
H	19.30	15.155	SBT	Stockholm, Sweden	11am-12 noon...News 1am.
H	19.81S	15.15	WNBI	New York, N.Y.	9-11:30, 11:35am-5pm. *
H	19.82S	15.14	GSF	London, England	2:30-5:45, 6:45-11:15; 11:45am-1:45pm to-- Forces in Afr...News 4, 7, 9, 11am. *
	19.83S	15.13	DXL6	Paris, France	4:15-5:30; 7-9:45am to NA, 10:30-11:15am, 5:50pm-12:15am...News 7:30, 9:30am.
	19.84	15.12	HVJ	Vatican City	Sun. 5:30-6, 8-8:20, 8:30-8:50, 9-9:20pm; Th. 8:30-8:50, 9-9:20pm; Fr. 11:30-11:50am *
	19.84S	15.12	DXH2	Berlin, Germany	7am-12:20pm (Home Service)
H	19.85S	15.11		Komsomolsk, U.S.S.R.	7:30-8:15am; 5:15-5:40, 6:48-7:30, 9:15- 9:40, 11:15-11:40pm Eng. To Na.
H	19.85S	15.11	DJL	Berlin, Germany	8:30-8:50, 8:50-9:45, 11:20am-5:30pm...News- 8:30, 9:30, 11:30am, 2:15, 4:15pm.
H	19.86N	15.105	JLG4	Tokyo, Japan	7-10:45pm to E.N.A...News 7, 9:20pm. *
	19.89S	15.08		Deutscher Volkssender	10-10:30, 11-11:30am.
H	19.94S	15.047	2RO21	Rome, Italy	3-4:30, 8-9:30, 11-11:30am...News 4:15am.
	20.07	14.935	PSE	Rio de Janeiro, Brazil	Thurs. 4-4:30pm, 8-8:30pm.
	20.37N	14.73	IQA	Rome, Italy	11-11:15am (Russian)
H	20.73	14.47	WDO	New York, N.Y.	8am-7pm /10:45am, 12:30-12:45am.
	20.75S	14.46	DZH	Berlin, Germany	3:15-3:30, 4:15-4:30, 5:15-6, 7-7:30, 10:15- Kuibyshev, U.S.S.R. 9-9:30am in Eng. to N.A.
	20.83S	14.40		Kuibyshev, U.S.S.R.	7am-1, 1:15-1:30pm...News 9:00, 9:45am.
	23.06S	13.01		Rabat, Morocco	8-9am (French)
	23.83	12.83	CNR	Brazzaville, Middle Congo	Approx. 2-4pm *
H	24.45N	12.27		Reykjavik, Iceland	Tues. 4:45-5, 7:15-7:30pm irreg. *
	24.54	12.235	TFJ	Moscow, U.S.S.R.	6:48-7:30, 8-8:50pm to NA. (English)
	24.61S	12.19		Moscow, U.S.S.R.	12:40-1, 1:15-1:45, 2:45-3, 10:30-10:45, 11:15- 11:45am, 4:00-5:30, 5:30-6pm.
	24.65N	12.17		Berlin, Germany	8:30-10:15am.
H	24.73S	12.13	DZE	Berlin, Germany	8:30-10:15am.
	24.75S	12.12	AFH	Alger, Algeria	3-4pm irreg. *
H	24.77	12.115	ZNR	Aden, Arabia	12:15-1:30pm *
	24.80S	12.095	GRF	London, England	6:45am-1:15, 6:30-9pm.
	24.88	12.06	FPZ	Shanghai, China	12-2, 4:30-10am...News 8:15am /7:30pm.
	24.88S	12.06		Kuibyshev, U.S.S.R.	9:45-10:15, 11-11:20am, 12:30-12:40, 2:20- 1:45-4:45, 6:45-7, 8:15-9:15, 9:45-10:45, 11- 11:15, 11:30am-12:30, 1-2:45, 3-3:15, 4:45-5,
H	24.92S	12.04	GRV	London, England	11:15, 11:30am-12:30, 1-2:45, 3-3:15, 4:45-5,
25 METER BAND					
	25.00	12.00		Brazzaville, Middle Congo	At 2, 3, 4, 6:30, 8:30, 9:30am, 2-3, 4:30 7/6:30-10:45p
	25.00S	12.00		Shonan, Malaya	7am-12:40, 7:30-8:30pm...News 9:45am /-6pm.
30	25.02S	11.99	XIRS	Shanghai, China	4-10am, 7-8:30pm...News 7:15, 9:30am.
H	25.04	11.975	CEL180	Santiago, Chile	7:30-10am, 1:30-12 mid.
H	25.05S	11.97	FZI	Brazzaville, Middle Congo	2-2:20, 9:30-9:45, 3-5:30, 11pm-Mid.- to NA...News 3:45, 11:45pm.
H	25.10S	11.95	2RO22	Rome, Italy	1:30-2, 2:40-3:40, 8-8:15, 9-9:15, 9:30-11:30- am, 12:1-5:30, 5:50-7pm...News 10am, 4, 6:15 9-10pm to NA. (Eng.) /pm
	25.10S	11.95		Moscow, U.S.S.R.	9-10pm to NA. (Eng.) /pm
	25.10	11.95	or	11.84 Finnish Freedom Radio	6:05-6:25am.
	25.13N	11.94		Rabat, Morocco	10:15-10:30 or 10:40pm (French news) irreg. *
	25.16F	11.925		Radio Metropole (Beograd)	5:30-7:30am.
	25.18	11.915		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
	25.21	11.90	XGOY	Chungking, China	6-6:55, 7-7:30, 11:35am-12:30, 2:30-4, 5-6pm..
	25.21S	11.90	DXF2	Berlin, Germany	5-6:30am (Russian)
	25.21N	11.90	VLG9	Melbourne, Australia	11-11:45pm to W.N.A...News 11pm.
H	25.21	11.90	CXA10	Montevideo, Uruguay	7:25-10:10pm.
H	25.22	11.893	WRCA	New York, N.Y.	1-4:45, 5-11:30pm, 11:35pm-8am. *
	25.23	11.885		Paris, Mondial, France	3-5:15pm. /7-2:45, 5:50 p.m.-12:15am.
H	25.24S	11.885	DXL7	Paris, France	1:15-1:30, 2-2:15, 3:15-3:30, 11-11:15am. Noon
	25.25	11.88	VLR3	Melbourne, Australia	9pm-3:30am...News 2:15am. /10:30p
	25.25S	11.88	H13X	Trujillo City, D.R.	6:30-10:15pm; Sat. 6:30-9pm/Sun. 8:15-
	25.27	11.87	VLQ2	Sydney, Australia	6:40-7:15am...News 6:45am.

25.27S	11.87	WBOS	Boston, Mass.	9am-5:15, 5:30pm-12 mid.	*
25.28	11.865	HER5	Bern, Switzerland	9-9:30am, 9:45-11:15pm to NA...	News 10, 11pm
25.29S	11.86	KMHA	Shanghai, China	4-11am, 9pm-2am...	News 6:30, 9, 10am, 9:30pm
25.29S	11.86	GSE	London, England	5-45-6, 11:30am-4; 4-5pm to Trbops in Africa	
25.31S	11.855	DJP	Berlin, Germany	5-11:30am, 1-2:45, 5:50pm-12:15am.	
25.33S	11.847	WGEO	Schenectady, N.Y.	9am-5:15, 5:30-7:45pm	
25.33S	11.845		Vichy, France	12:30-12:45, 3:45-4:30am, 3-3:30, 5-5:45, 6-	
25.35S	11.84	DHE4A	Prague, Bohemia	6-7:30, 7:55-10:15pm to NA.	*/6:45p
25.36	11.83	VLW3	Perth, W. Australia	2-6:45am... News 4am /7:30-8pm...	News 11am
25.36N	11.83		Moscow, U.S.S.R.	6:30-7:30, 8:30-9, 9:15-9:45, 10:30-11:50am,	
25.36S	11.83	WCRC	New York City, N.Y.	7:20pm-12 mid.	
25.36S	11.83	WCDA	New York City, N.Y.	6am-4:45pm.	
25.37	11.825	CXA14	Colonia, Uruguay	4:30-10:05pm	
25.37S	11.825	JVZ2	Tokyo, Japan	5-6:30, 9pm, 4:30am approx.	
25.38S	11.82	GSN	London, England	3am-12:45, 1:15-2, 3-5pm...	News- 5am, 3:45pm
25.38	11.82	XEBR	Hermosillo, Mexico	9am-1am	
25.40S	11.81	2R04	Rome, Italy	12:30-1:30am to W.NA, 3-3:20, 4:40-4:30, 7-8:50, 9:55, 10am-12:45, 1-1:40, 1:50-3:35, 4-4:20, 4:30-4:50, 5-5:30, 6-6:45, 7-7:15, 7:30-7:40, 8:30pm-12 mid. to E.NA...	News 1, 4:15am,
25.41	11.805	COGF	Matanzas, Cuba	12:30-3 (Su. 1:30-3pm) /12:15, 4:40, 6:15, 8:30,	
25.42	11.80	JZJ	Tokyo, Japan	5-10:30am, 7-10:45pm to E.NA, /10:30pm	
25.45S	11.79	WRUL	Boston, Mass.	Present sked unknown.	
25.46S	11.785	OIX3	Lahti, Finland	12:45-2, 2:05-2:50, 6:15-6:30, 8:25-9:10, 11:05-11:50pm to NA...	News 12:45, 2:10, 6:15, 8:30,
25.47S	11.78	HP5G	Panama City, Panama	9:15-10:30am, 12:45-4, 9:15pm-Mid; /11:10p	
25.48S	11.775	MTCY	Hsinking, Manchukuo	12:30-1, 1:30-3am to NA...	News 1:30am. *
25.48S	11.775		Saigon, F. Indo China	5:45am-12:30, 7:45-8:25pm...	News 7:30, 11a
25.49S	11.77	DJD	Berlin, Germany	5:50pm-12 mid. to NA...	News 7, 8, 9, 10, 11pm.
25.50C	11.765	ZYB8	Sao Paulo, Brazil	5:30-10:15pm /11:30am, 2:15, 4:15pm.	
25.51S	11.76	DXR	Berlin, Germany	1:15-3:15, 11:20am-5:35pm...	News 1:30, 3,
25.51	11.76	VLR8	Melbourne, Australia	3:30-7:15pm, 9-9:15am...	News -9am.
25.53S	11.75	GSD	London, England	1:45-2:45, 6:45-11:15am, 12:30-4:45pm...	News 2:15, 7, 9, 11am, 3:45pm.
25.55	11.74	CE1174	Santiago, Chile	8-9, 11-11:30am, 6pm-12:30am.	/to NA
25.55	11.74	HVJ	Vatican City	2-4am irreg.; Sun. 8:30-8:50pm, Th. 8-8:20pm	
25.55S	11.74		Parao, Palau Group	3am-12:15, 5-8:30pm.	*
25.55	11.74	COCY	Havana, Cuba	6:30am-2:15am.	/pm
25.55S	11.74	DXC2	Berlin, Germany	7:7:15, 8-8:15am, 12:30-4, 4:15-4:30, 5:15-5:45	
25.58	11.73	WRUW	Boston, Mass.	Present sked unknown.	
25.58S	11.73	KGEI	San Francisco, Calif.	5-10:30pm	
25.59S	11.725	JVW3	Tokyo, Japan	5-6:30pm, 9pm-8:30am.	
25.60S	11.721	ZPA2	Asuncion, Paraguay	Relays ZP10 6:30-10:10pm	
25.60S	11.72		Leopoldville, Bel. Congo	6:55-8:15am, 2:30-4:30pm	
25.60S	11.715	HSP5	Bangkok, Thailand	7-9, 9:30-10:25am...	News 8, 9:30am.
25.60	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, 1:15-1:45, 1:55-2:40, 2:55-3:27, 3:30-4, 4:15-5:25, 5:30-6am...	News 12:25, 1:15, 2:55, 4:15, 5:30am.
25.62S	11.71	WLWO	Cincinnati, Ohio	1:15-5:15pm.	
25.63	11.705	CXA19	Montevideo, Uruguay	7-8am, 6-11 (Sa. to 11:30pm)	
25.63S	11.705	SBP	Motala, Sweden	2:45-3:15am, 2-2:15, 5-5:15 (Su. 4am-5:15pm), 9-10pm to NA...	News 9pm.
25.63S	11.705	CBFY	Montreal, Canada	7:30am-11:30pm (Su. 3am-11:30pm)	
25.64	11.70	HP5A	Panama City, Panama	9am-1, 9:10pm-1am	
25.64	11.70	CE1170	Santiago, Chile	8-10pm.	
25.65N	11.695	IQY	Rome, Italy	3:15-3:30am.	/7:30am, 6:45p
25.67S	11.685	XGRS	Shanghai, China	6:45pm-2, 3:45-11am...	News 12:30, 6:15, 6:45,
25.68S	11.68	GRG	London, England	1:45-5:45am, 12:15-12:30, 3-4:45, 5:15pm-12:45am (5:15-6:30pm to NA)...	News 2:15, 4am,
25.75	11.65	XGOK	Canton, China	5-9:30am /3:45, 5:45, 6:45, 9, 10:45pm, 12:30am	/10pm
25.77	11.64	WPJ	New York, N.y.	1-3:30pm	
25.83	11.623	COK	Havana, Cuba	12noon-12 mid.; Sun. 1-7pm...	News 1, 3:30, 7,
25.86	11.60		Rumanian Freedom Station	4:15-4:25pm.	

25.86S 11.60 KZRH Manila, Philippines Mid-4,4:30-9am,6pm-Mid...News 8:43am,

	26.16F	11.47		Voice of Free India	10am-12:05pm...News 11:30am.
	26.31n	11.402	HB0	Geneva, Switzerland	Fri.2:45-4:15pm.
	26.39	11.37		"Za Rossiu"	12-12:30am, 2:30-2:40pm in Serbo-Croat,
	27.05S	11.09		Ponta Delgada, Azores	4-5pm.
	27.17S	11.04	CSW6	Lisbon, Portugal	2-6:30, 6:45-8:45pm.
	27.68S	10.84	KWV	San Francisco, Calif.	2-7:05, 8-10:30am (relays KWID)
	27.96	10.73	VQ7LO	Nairobi, Kenya	11am-12:50am & Monday 1:15-1:50pm.
H	28.12	10.67	CEC	Santiago, Chile	8-8:15pm (Spanish)
	28.25S	10.62	KES3	Bolinas, Calif.	12:55-6am (relays KWID)
	28.30	10.60	ZIK2	Belize, Br. Honduras	Tu/Th/Sat.2:30-3, 9:30-9:50pm
H	28.45S	10.543	DZD	Berlin, Germany	1:30-1:45am, 5:50pm-12 mid. to NA...News-
	28.49	10.53	JIB	Taihoku, Taiwan	10-10:50am / 7am, 7, 8, 10, 11 p.m.
	28.52N	10.52	VLN8	Melbourne, Australia	11-11:45pm to W.NA...News 11pm.
	28.73S	10.445		Moscow, U.S.S.R.	2-2:30, 2:45-3, 7:40-8:20am to NA, 9:15-10, 10:15-10:45, 11-11:45am, 8:30-10, 10:15-11:30p
	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. Heard recently? / News 4:00, 6:00p
H	29.04S	10.33	2R019	Rome, Italy	1:30-2am, 2-2:50, 3-5:30, 5:40-7, 7:15-10pm.,
H	29.15S	10.29	DZC	Berlin, Germany	3:30-3:45, 3:50-4:45, 4:50-10:55, 11pm-12:15a
	29.24S	10.24	XGAP	Peiping, China	5am-12:15pm.
H	29.35S	10.22	PSH	Rio de Janeiro, Brazil	7-8:48pm ex. Sa/Su...News 8:30pm. *
H	29.62	10.13	HH3W	Port-au-Prince, Haiti	12:30-4:45, 7-10:30pm; Su. 1-5, 7-10:30pm
	29.81	10.065	MTCY	Hsinking, Manchukuo	1:30-3am to NA...News 1:30, 2:30am.
	29.79F	10.07		Norwegian Freedom Station	2:30-2:40, 5:45-5:55pm
H	29.84S	10.055	SUV	Cairo, Egypt	2:30-3pm; & 7:45-7:50pm with pickups irreg.
	29.85	10.05	TIEMP	San Jose, C.R.	11pm or earlier to Mid. / 5:50, 6:30-6:50pm*
	29.85	10.05		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.-4, 6-9:15am / 10:45pm
H	30.12	9.958	HCJB	Quito, Ecuador	7:45-9:50am, 12:30-3:30, (Su. 8am-5:30pm), 6-
H	30.33	9.89	LSN2	Buenos Aires, Argentina	Relays CBS 10-10:15pm
H	30.43	9.86	EAQ	Madrid, Spain	2-3, 8-9pm to NA...News 2:15, 8pm.
	30.43S	9.86		Moscow, U.S.S.R.	11:30pm-1:45, 2-2:20, 2:45-3, 7:40-8:19am. 6:48-7:30pm to NA...News 7:40, 6:48pm.
H	30.48S	9.843	CR7BE	Lourenco Marques, Mozambique	1-2, 5:30-6am, 2:25-5:20 (Sun. 11am-5:20pm)...News 1:55, 6:55am, 3:15pm *
H	30.51J	9.833	COCM	Havana, Cuba	9am-1am; Sun. 9am-12 mid.
H	30.54S	9.825	GRH	London, England	1:45-4:45am, 5:15pm-12:45am...News 2:15, 4 am, 5:45, 6:45, 9:00, 10:45pm, 12:30am.
H	30.64S	9.79	2R018	Rome, Italy	1:30-2, 3-3:20, 9:55am-12:45, 1-1:40, 2-5, 5:30-5:35, 5:40-6:45, 7:15-10pm...News 10:20am, 12:15, 4, 6pm. / News 6:48 p.m
H	30.71N	9.77		Moscow, U.S.S.R.	6:48-11pm approx (6:48-7:30pm to NA).....
	30.75	9.755	ZRO	Durban, S. Africa	4:30-8, 10am-5pm; Su. 4:50am-5pm.
	30.77	9.75	WDL	New York, N.Y.	6-8am.
H	30.80	9.74	TI4NRH	Heredia, C.R.	8-9am; Tu/Th/Sat 11:30pm-12:30am approx.
H	30.82S	9.735	CSW7	Lisbon, Portugal	9-10pm to N.A.
H	30.82	9.73	CE970	Valparaiso, Chile	7:30-9am, 7:15pm-12:30am.
	30.86S	9.72	XG0A	Chungking, China	1-2:25, 7am-5pm...News 10, 11am. *
	30.88	9.715	OAX4K	Lima, Peru	8pm-12:20am.
H	30.92S	9.705		Fort-de-France, Martinique	1:15-2:45, 7:30-10pm.
H	30.93	9.70	WRUW	Boston, Mass.	Present sked unknown.
	30.93	9.70	FIQA	Tananarive, Madagascar	11am-12 noon.
	30.96	9.69	JIE3	Taihoku, Taiwan	8:30-10am...News 8:30am. / 7-10:45pm.
H	30.96S	9.69	GRX	London, England	1:30-5:45, 6am-12:45, 1-4:30, 5:15-5:30,
H	30.96	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	30.99	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) / 730am
H	30.99S	9.68	VLW6	Perth, W. Australia	7-10:55am (7:25-8:25am to E.NA)...News
31 METER BAND					
H	31.01S	9.675	DJX	Berlin, Germany	11:20am-5:35pm...News 11:30am, 2:15, 4:15pm.
H	31.02S	9.67	WNBI	New York, N.Y.	5:15pm-4:45am. *
H	31.06	9.66	LRX	Buenos Aires, Argentina	6:30-7, 8:30am-11:10pm. *
	31.06	9.66	HVJ	Vatican City	1:45-2:30pm (Eng.) irreg. *
	31.06	9.66	XGOI	Shanghai, China	8-10:15am. *
	31.06N	9.66		Delhi, India	7-9:20am. *

31.06S	9.658	HHBM	Port-au-Prince, Haiti	6:30-9am, 1-2, 7-9:45pm.
31.09S	9.65	DJW	Berlin, Germany	1-11:30am, 5:50pm-12:15am...News 1:30, 3, 10am
31.09	9.65	WGEO	Schenectady, N.Y.	6-8am to Australia
31.09N	9.65	WCBX	New York, N.Y.	11:45pm-2am.
31.11	9.645	LLH	Oslo, Norway	6:40-8am, 1:30-6, 9:55-11pm to Na
31.11	9.645		European Revolutionary	3-3:15, 5-5:15, 7-7:15, 9-9:15, 11-11:15pm
31.12S	9.64	KZRH	Manila, Philippines	12-4, 4:30-9am, 6pm-12 mid...News 8:43am.
31.12	9.64	LRI	Buenos Aires, Argentina	5:57-8am, 1:30-2:30, 3-5, 7-11pm.
31.13	9.635, 9.606, 9.543, 9.482		Gustav Siegfried Eins	2:52, 3:52, 4:52, 5:52, 6:52, 7:52, 8:52, 9:52, 10:52, 11:52pm.
31.14S	9.635	2R03	Rome, Italy	12:30-1:30am to W.NA. 3-3:30am, 1:10-4:20, 4:30-4:50, 5-5:30, 5:50-6:45, 7-7:15, 7:30-7:40, 8:30pm- Mid to E.NA...News 1, 3, 20am, 4, 6, 15, 7/8:30, 10:30pm.
31.17	9.625		Addis Abeba, Ethiopia	10:15-11:35am.
31.17S	9.625	XGOY	Chungking, China	7:35-9:55am, 2:25-4:30pm. News 3:30pm.
31.17	9.625	CXA6	Montevideo, Uruguay	11am-7:25pm
31.19	9.62	DXL24	Paris, France	12 Noon-2:15pm to Madagascar
31.19	9.62		Vichy, France	3:45-4:30, 4:30-4:45pm to NA, 7-8:45, 9-11, 11:15pm-12:30am to NA, 12:45-1:30, 1:45-2:30, 2:45-3:30am...News 3:45, 4:30, 11:15pm.
31.19	9.62	TIPG	San Jose, C.R.	7am-12:30pm
31.30F	9.590		Azad Moslem Radio	9:30-9:45; Voice of Free India 10am-12:05 pm; National Congress Radio 12:15-12:55pm.
31.22S	9.61	DXB	Berlin, Germany	12-1, 1:15-1:30am, 1:30-4pm
31.22N	9.61	XERQ	Mexico City, Mexico	11:30am or earlier to 11:15pm or later *
31.22S	9.608	ZRL	Capetown, S. Africa	3:15-9, 9-11:45am; Su. 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.
31.25	9.60	CE960	Santiago, Chile	7pm-12 mid.
31.25S	9.60	GRY	London, England	2:30-5:45, 6am-12:45, 1-2:15, 2:30-4, 4-4:45pm to NA, 5-6:45pm to Troops in Afr...News 5am, 5-5:35pm...News 5:10pm. */3:45, 5:45 p.m.
31.27S	9.595		Athlone, Ireland	5-9am. /am, 12:30-2, 9-11:35pm...News 8am, 9:45pm
31.27S	9.595	JV-	Tokyo, Japan	1-1:30, 2:15-2:30, 3-4, 6-6:15, 7-8:15, 8:25-11 4pm-12:15am.
31.30S	9.59	VUD4	Delhi, India	8pm-12 mid.
31.30N	9.59	DXU9	Huizen, Holland	8pm-12 mid.
31.30N	9.59	WLWO	Cincinnati, Ohio	8pm-12 mid.
31.32	9.58	VLR	Melbourne, Australia	3:45-8:30am...News 7, 8:15am.
31.32S	9.58	GSC	London, England	12:45-4, 5:15pm-12:45am to NA...News 5:45, 6:45, 9:00, 10:45pm, 12:30am.
31.35N	9.57	KWID	San Francisco, Calif	3-6:05am, 9:30pm-12:45am. */3:15p*
31.35S	9.57	DXZ	Berlin, Germany	10:45am-Noon, 12:15-1:30, 2:30-4pm...News
31.37S	9.565		Komsomolsk, U.S.S.R.	7:40-8:20am, 5:15-5:40, 9:15-9:40, 11:15-
31.37S	9.565		Parao, Palau Group	3-4:30, 9am-12:15, 5-8:30pm./11:40pm to NA.
31.37	9.562	OAX4T	Lima, Peru	9-10:15am.
31.38	9.56	DJA	Berlin, Germany	5:50-8, 9:30pm-12:15am.
31.39	9.557	XETT	Mexico D.F., Mexico	24 hours daily
31.40N	9.555		Arab People's Station	2-2:55pm. (Arabic)
31.41N	9.55	I--	Rome, Italy	4:30-5:30pm
31.43S	9.545	MTCY	Hsinking, Manchukuo	9-11am, 5-6pm...News 9, 10:30am, 5pm. *
31.43S	9.545		Komsomolsk, U.S.S.R.	12:30-9:40am or later (7:40-9:19, 9:15-9:30 am to NA)...News 7:40, 9:15am
31.44	9.543	XEFT	Vera Cruz, Mexico	10am-2:15am. /am to W.NA...News 7:30, 11am.
31.45S	9.54	VB2	Melbourne, Australia	7:25-8:25am to E.NA, 8:45-10:55, 11-11:45
31.47	9.535	SBU	Stockholm, Sweden	5:20-5:35, 9-10pm to NA.
31.47S	9.535	ZJI	Tokyo, Japan	8-9:15am, 9:30am-12:15, 12:25-2:30pm to W.NA.
31.48S	9.53	WGEO	Schenectady, N.Y.	9pm-12 mid. /12-4am to W.NA...News 2pm, 2am
31.49S	9.527	DXK2	Berlin, Germany	10-11:30am, 12 noon-7:15pm (Home Service)
31.50	9.523	ZRG	Johannesburg, So. Africa	3:30-10:30am approx.
31.51N	9.52	DXL11	Paris, France	2-2:15, 3:15-3:30am, 12:30-2:45, 3-4pm, 5:50pm-
31.53S	9.515	COCQ	Havana, Cuba	6:20-9am, 8-11pm. /12 mid to NA...News 7, 9,
31.55	9.51		Velebit (Croatia)	4-4:30pm (French & Croatian) */10, 11pm.
31.55S	9.51	GSB	London, England	1:45-5:45, 6:45-8am to NA, 9:30-11:15, 11:30 am-1:15, 1:30-5pm to Troops in Afr., 6:30-10:45pm...News 2:15, 4, 7, 11am, Noon, 2, 3:45pm. 7:55-9:15am to NA, 9:30am-12:15pm, (12:25-2:30pm to NA), 2:55-6:30pm...News 12:30, 2, 3, 6pm.
31.57N	9.505	JLG2	Tokyo, Japan	7:55-9:15am to NA, 9:30am-12:15pm, (12:25-2:30pm to NA), 2:55-6:30pm...News 12:30, 2, 3, 6pm.
31.57S	9.503		Bratislava, Slovakia	Su/Tu/Fr 4-6pm; Daily 7-7:45pm to NA.
31.58F	9.50	XEWW	Mexico City, Mexico	9:58am- 3:45am. (on 9.545 irreg.)
31.58	9.50	OAX5C	Ica, Peru	8pm-1am.

31.60S	9.495	OIX2	Lahti, Finland	12:45-2,2:05-2:50, 6:15-6:30,8:25-9:10pm. to NA...News 12:45,2:10,6:15,8:30pm.
31.60N	9.493		Radio Denmark	2-2:15pm in Danish *
31.65S	9.48		Radio Metropole	11am-1pm. *
31.65N	9.48		Moscow, U.S.S.R.	2-3,6:30-10:45am,8-9:10,11:45pm-12:15am.
31.65	9.48	CP38	La Paz, Bolivia	8-10,11am-2,4pm-12 mid.
31.65S	9.48	KFT	San Francisco, Calif.	12:58am-12:30pm.
31.65S	9.48	WCBX	New York, N.Y.	7:50-11:30pm
31.69S	9.47	CR6RC	Luanda, Angola	7:30-8:45am,3:30-5pm
31.69S	9.47	JZHA	Hong Kong, Hong Kong	5-9:20am. /News- 2:15 p.m.
31.70	9.465	TAP	Ankara, Turkey	To 3:45pm; irreg. to networks 6:45-7:30pm.
31.75S	9.45	GRU	London, England	12:15-1:15,11-11:15am,3-4:15,5-6pm...News /12:30am
31.80	9.435	COCH	Havana, Cuba	6:45am-1:15am.
31.86S	9.415	GRI	London, England	1-2,7:10-7:30pm.
31.88	9.41	FGA	Dakar, Senegal	3:15-6:05pm
31.95N	9.39	WCL	New York, N.Y.	6-8:30pm
31.95N	9.39		Moscow, U.S.S.R.	8-8:15,8:30-9am, 8-11pm.

32.00	9.375	COBC	Havana, Cuba	9am-1:15am; Sun.8am-11:30pm. <i>C M O C</i>
32.12	9.34	OAX4J	Lima, Peru	9-10am, 1-4, 7pm-2am.
32.19	9.32	LRS	Buenos Aires, Argentina	8-9am,2-2:30,6-9:30pm
32.24	9.305	XGOI	Shanghai, China	8-11am
32.26S	9.30	HI2G	Trujillo City, D.R.	7:30-9:40am,12:40-3:10,6:10-10:40pm
32.36	9.27	COCX	Havana, Cuba	8:45am-1am <i>C M X</i>
32.43S	9.255		Bucharest, Roumania	7-10am approx, 2:55-5pm...News 4:50pm
32.54J	9.22	COBQ	Havana, Cuba	8-9:15pm
32.64	9.19	HC2ET	Guayaquil, Ecuador	8:30am-1:30am; Sun.9:30-11:30pm.
32.88	9.125	HAT4	Budapest, Hungary	7-8:55pm, 9-11pm to NA...News 9:20,10:25pm
33.24	9.025	COBZ	Havana, Cuba	8:45am-12am; Sun.8:45am-11pm <i>C M Z</i> /7:25-BBC
33.48S	8.96	AFH2	Algiers, Algeria	6:45-7:30pm (6:45pm-CBS,7pm-OWI,7:15-NBC,
33.50	8.955	COKG	Santiago, Cuba	7-10:30am, 3:15-11:30pm approx.
33.58S	8.93	KES2	San Francisco, Calif.	6:15am-12:30pm (relays KWID)
33.98S	8.83	COCQ	Havana, Cuba	6:20am- 12:15am <i>C M Q</i>
34.05	8.81	WJP	New York, N.Y.	7pm-12 mid.
34.48	8.70	COCO	Havana, Cuba	5:30am- 1:30am. <i>C M C K</i>
34.62	8.665	COJK	Camaguey, Cuba	12:30-1:30,4:30-7,9-9:30pm
34.76N	8.63	IAC	Rome, Italy	10:15-10:30am,1:15-1:30pm.
34.95C	8.585	YNPH	Managua, Nicaragua	9-10am,7:40pm- Mid. Anyone heard recently?
35.36F	8.484	XPSA	Kweiyang, China	8:15-11:30am, 5-6:45pm
37.27N	8.05		Kuibyshev, U.S.S.R.	1-1:15,2:10-4pm...News 3:50pm.
37.24S	8.035	CNR	Rabat, Morocco	3:15-3:45,8-9am,2-6:45pm.... French news
37.34	8.035	FXE	Beyrouth, Syria	1-4:30,5-7:30,9am-5pm /3:30,4:30,5:45pm. *
37.81S	7.936	PSL	Rio de Janeiro, Brazil	7-8pm
38.00	7.894	YSD	San Salvador, El Salvador	8pm-12 mid. with HUB
38.15S	7.865	SUX	Cairo, Egypt	1:45-2:30,3:15-5:45pm. *
38.20	7.854	HC2JSB	Guayaquil, Ecuador	9-11pm
39.16	7.766	YNDG	Leon, Nicaragua	7-11pm (to 11:20pm Sa/Su.)
39.40S	7.615	YNLAT	Granada, Nicaragua	7:30-11:15pm
39.70N	7.575	IRV2	Rome, Italy	4:30-5:30pm (Russian)
39.66	7.565	WDJ	New York, N.Y.	12 mid. 4am.
39.68N	7.56		Moscow, U.S.S.R.	8-10am, 4-9pm...News 6pm.
40.05	7.49	YN2FT	Granada, Nicaragua	8-11pm (to 11:20pm Sa/Su.)
40.30S	7.446	PG8AH	Pointe-a-Pitre, Guadeloupe	11am-12:45,5:30-7pm.

41 METER BAND

40.76N	7.36		Moscow, U.S.S.R.	1:00-11:55am,12-12:30,12:40-1,1:20-1:40, 2-3:40,4-7:30,8-8:20pm...News 6pm. /6:30pm.
40.98S	7.32	GRJ	London, England	12:15-1:3- ,2:10-2:30,3-3:15am,3:05-4,5-
41.10	7.30	VIG	Port Moresby, Papua	7-7:30am irreg. <i>204 7300 2-1</i>
41.10N	7.30		Moscow, U.S.S.R.	11pm-1:45,2:30-3am,12 Noon-9pm...News 3,6pm
41.15S	7.29	DJI	Berlin, Germany	5:30pm-12:15am to Latin America.
41.18	7.285	JLG	Tokyo, Japan	5-9:30am.
41.21N	7.28	DXL25	Paris, France	3-4pm.
41.24F	7.275	EJ43	Tenerife, Canarias	8:30-10am, 2:30-7pm.
41.27S	7.27	VUM2	Madras, India	9:30-11pm.
41.30	7.265	HCLBF	Quito, Ecuador	8-11pm (Sat.toll:30pm) ex.Sun.
41.32	7.26	EA-	Spain	4-7pm.
41.34S	7.257	JVW	Tokyo, Japan	5-9:30am, 2:55-6:30pm...News 3,6pm.
41.38	7.25	PJCL	Willemsted, Curacao	7:45-10:18pm...News 9:30 or 9:40pm

41.38F	7.250	KGEI	San Francisco, Calif.	11pm-12:45, 1am-12:05pm	
41.38N	7.25		"La France Fidele"	4:30-5:15, 6-7pm.	
41.44S	7.24	VUB2	Bombay, India	2:15-3:15am	
41.44S	7.24	DXJ	Berlin, Germany	12:30-1, 1:30-1:45, 2:45-4, 4:30-5:15, 5:50pm-1:30am to NA... News 12:30, 1:30, 3:15, 4:30, 4:45, 7, 9, 10, 11pm, 12, 1am	
41.49S	7.23	KWID	San Francisco, Calif.	6:15-9:30, 9:45am-1:15pm.	*
41.49S	7.23	GSW	London, England	2:45am-8pm (European Service)	
41.55n	7.22	VLQ4	Sydney, Australia	7:25-8:25am to NA... News 7:30am.	
41.58S	7.215	2R011	Rome, Italy	1:30-2, 2:40-3:40, 8-11am, 12:10-3, 3:40-7, 830pm-12 mid. to NA... News 10am, 4, 6:15, 8:30, 9:45-11:15pm to N.A... News 10, 11pm./10:30pm	
41.61N	7.21		Bern, Switzerland	4-7pm.	
41.63F	7.204		Madrid, Spain	4-7pm.	
41.65	7.203	YSY	San Salvador, El Salvador	8:30pm-12 mid.	
41.67V	7.20	CMZ1	Havana, Cuba	8am-1, 6pm-12 mid. approx.	*
41.75N	7.185	GRK	London, England	3-3:15am, 5-6pm.	*
41.80N	7.177		Moscow, U.S.S.R.	12-12:15, 12:30-1:55, 3:20-4:30, 5:15-7:30pm.	
41.96S	7.15	GRT	London, England	12:15-3, 3:15-5:45am, 3-8pm.	
42.00	7.143	EAJ9	Malaga, Spain	4-7pm.	
42.08	7.13		Oviedo, Spain	3-6pm	/10:45pm, 12:30am
42.08S	7.125	GRM	London, England	6:30-10:45, 10:45pm-12:45am to NA... News.	
42.095	7.095	EA-	Spain	Heard to 6:30pm. Heard recently?	
42.31	7.09	EA9AA	Melilla, Spanish Morocco	heard to 6pm. Heard recently?	
42.40	7.075		Athens, Greece	1:30-6pm approx. /4:45am, 12:30am.	
42.43S	7.07	GRS	London, England	1:45-4:45am, 11pm-12:45am to NA... News 1:45;	
42.47	7.063		Antigua, B.W.I.	6-6:20pm ex. Sun; Sun. 4-4:45pm.	
42.65	7.037	EA--	Valencia, Spain	4-7:04pm	
42.80N	7.00	WGEO	Schenectady, N.Y.	9pm-12 mid.	
42.95S	46.985		Kuching, Sarawak	12:15 to 2am, 6-7:10am very irreg.	*
42.98	6.98	FO8AA	Papeete, Tahiti	Tues/Fri 11:57pm-12:45am. /News- 6:48 p.m.	
42.98S	6.98		Moscow, U.S.S.R.	12 Noon-6:45, 6:48-7:30pm to NA, 8-8:30pm...	
43.67	6.87	YNOW	Managua, Nicaragua	8pm-12:30am or later	
44.28	6.775	HIH	San Pedro, D.R.	8-9:30pm; Sun. 6:20-7:40pm	
44.28	6.776	YHRS	Managua, Nicaragua	9-10am, 7pm-12:15am.	
44.81	6.696	TIEP	San Jose, C.R.	8-9am. 8pm-1am.	
49 METER BAND					
45.05	6.66		Brazil	6-7pm.	
45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun. 6:45-7:45, Tues. 1-1:15pm-12:15am.	
45.25	6.63	HIT	Trujillo City, D.R.	1:10-2:40, 5:40-9:40pm	
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.	
46.15F	6.50	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.	
46.48	6.455	COHI	Santa Clara, Cuba	7:42am-10:05pm	
46.58	6.44	HILS	Santiago, D.R.	6:40-9:10pm ex. Sun.	/8pm-4am.
46.84S	6.405	TGQA	Quezaltenango, Guatemala	9-11:30pm; Sat. 9pm-2am; Sun. 9-9:30am,	
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.	
47.20N	6.355	IAC	Rome, Italy	2:30-2:45pm.	
47.32	6.343	OAX4G	Lima, Peru	7pm-1:30am (Sat. to 2am)	/10:30pm
47.39S	6.333	HI1X	Trujillo City, D.R.	6:30-10:15pm; Sat. 6:30-9pm; Sun. 8:15-	
47.39	6.33	COCW	Havana, Cuba	8:55am- 2am. <i>cmw</i>	
47.47	6.32	SUP2	Cairo, Egypt	12:10-1pm	
47.50S	6.316	HI1Z	Trujillo City, D.R.	12:40-1:40, 6:10-10:45	
47.68S	6.29	2R023	Rome, Italy	2-7pm... News- 6:15pm.	
47.68	6.29	OAX1A	Chiclayo, Peru	8:30pm-12:30am.	
47.77S	6.28	HI1G	Trujillo City, D.R.	8:10-9:40am, 12:40-3:10, 4:40-10pm	
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.	
48.06	6.25	HJCT	Bogota, Colombia	11am-3, 7-11:40pm.	
48.06	6.25	CR8AA	Macao, Macao	to 9am irreg.	
48.07	6.245	HI1N	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.	/9-9:30a
48.31F	6.21	TG2	Guatemala, Guatemala	8:30-11am, 7pm-12 mid.; Sa. 7pm-2am; & Su.	

	48.35	6.205	OAX3A	Huancayo, Peru	9pm-12 mid. approx.
N	48.39	✓6.20	YV5RN	Caracas, Venezuela	5-11:30pm
	48.39	6.20	CP5	La Paz, Bolivia	7:15-9am, 7:30pm-12 mid; Sun. 4-9pm.
N	48.43S	6.195	GRN	London, England	1-2:15, 5:15pm-12:45am to NA...News 5:45,
	49.47	6.19	H1LA	Santiago, D.R.	12:40-2:40, 8:40-10:40pm / 6:45, 9, 10:45pm.
	48.47N	6.19		Delhi, India	7-8:15am...News 8am.
N	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.
	48.51	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.
N	48.54	✓6.18	XEXA	Mexico City, Mexico	9:30am-12 noon, 3:30-5, 8:30pm-1:30am.
H	48.58	✓6.175	HI9T	Puerto Plata, D.R.	Daily to 7:40pm; Sat. to 11pm or later.
	48.62F	6.17	WCRN	New York, N.Y.	12:15am-2am.
H	48.66	✓6.165	HER3	Bern, Switzerland	1:40-2:40, 7-8:45am, 2-5:40pm.
	48.66	6.165	T1LS	San Jose, C.R.	8-10:30am, 1-3:30, 7-11pm (to 3am Sun)
N	48.70	✓6.16	HJCD	Bogota, Colombia	11am-1, 5pm-12 mid.
N	48.70	✓6.16	CBRX	Vancouver, B.C., Canada	10:30am-3am.
	48.74	6.155	CS2WD	Lisbon, Portugal	4-7pm.
	48.78	6.15	HI3C	La Romana, D.R.	Heard 5:55-7:10pm.
	48.78N	6.15		Madras, India	6-11:30am...News 8am.
N	48.78	✓6.15	YSPB	San Salvador, El Salvador	Nightly to lam.
N	48.78	✓6.15	YV5RM	Caracas, Venezuela	12 noon-3, 5-11pm; Sun. 10:30am-2, 5-11pm.
	48.78	6.15	T1RH	San Jose, C.R.	Heard to 12:35am. / 1:45, 5:30am-4:00 p.m.
	48.78	6.147	ZRD	Durban, So. Africa	11:45pm-1:45, 3:30-7, 9am-4pm; Sun. 1:10-
	48.82S	6.145	KZRH	Manila, Philippines	12-4, 4:30-9am, 6pm-12 mid...News 8:43am.
	48.86S	6.14	DXX	Berlin, Germany	11pm-1:45am, 1:15-1:30, 1:45-2:15, 2:45-3, 3:15-4, 4:30-6:45, 7-7:30, 7:45-8pm...News 4:30, 6
N	48.86	✓6.14	HJDE	Medellin, Colombia	10:30am-11pm. / 7:15pm.
	48.90	6.135	FKGAA	Noumea, New Caledonia	3:30-4:30, 9-10am; Sun. 1:40-2:35am, 11a
	48.90N	6.135	XGOY	Chungking, China	10-11:25am to NA. 11:35am-12:30pm...News-10,
N	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
N	48.94N	✓6.13	COCB	Havana, Cuba	6pm-12 mid. *
	48.94	6.13	YV4RO	Valencia, Venezuela	7:30am-2:30, 5:30-10:30pm
	48.98	6.125	CXA4	Montevideo, Uruguay	6-11pm; Sat. to 11:30pm.
	48.98S	6.125	MTCY	Hsinking, Manchukuo	4-8:30am. *
	49.99	6.122	HPSH	Panama City, Panama	7pm-12 mid.
N	49.02S	6.12	YV3RN	Barquisimeto, Nevezuela	12:30-2:30, 6:30-11:30pm
N	49.02	✓6.119	XEUZ	Mexico D.F., Mexico	10am-2, 8pm-1:10am.
	49.08	6.115	HI6H	Trujillo City, D.R.	10:40am-9:40pm
	49.10	6.11	CP2	La Paz, Bolivia	5-10, 11am-2, 4pm-12 mid.
N	49.10S	6.11	GSL	London, England	1:45-3am, 2:45-6, 6:15-6:30, 6:45pm-12:45am..
	49.12	6.108	XOJD	Hankow, China	4-8:30am / News 6:45, 9, 10:45pm, 12:30 a.m.
	49.14	6.105	PRE9	Fortaleza, Ceara, Brazil	4:30-11pm.
	49.14	6.105	HJFB	Manizales, Colombia	6:30-11pm ex. Sun.
	49.18F	6.100		Radio Metropole (Beograd),	1-3, 4:10-6:10pm...News 5:15pm.
	49.21	6.097	HJFK	Pereira, Colombia	8-9am, 7:05-11:30pm.
	49.21	6.097	ZRK	Capetown, So. Africa	11:45pm-1:45am.
N	49.21	✓6.095	ZYB7	Sao Paulo, Brazil	5:40-10:45pm.
	49.21	6.095		Penang, Malaya	2-10am...News 9:30am.
N	49.25	✓6.09	CBFW	Montreal, Canada	7:30am-11:30pm...News 11pm.
N	49.25S	✓6.09	ZNS2	Nassau, Bahamas	9-9:15am, 1:45-2:15, 6-10pm.
N	49.33	✓6.082	OAX4Z	Lima, Peru	6pm-12 mid. or later.
	49.34S	6.08	GRR	London, England	1:30-2am, 1:30-1:55pm, 7:20-7:35pm
H	49.34S	6.08	WLWO	Cincinnati, Ohio	12:15-6am.
	49.34	6.08	CKFX	Vancouver, B.C., Canada	10:30am-4am...News- lam.
H	49.34	✓6.08	ZFY	Georgetown, Brit. Guiana	6:40-8:45, 10:45am-12:45, 3:15-8:15pm.
	49.38	6.075	HJCF	Bogota, Colombia	8pm-12 mid. / ...News- 7a, 6:45 p.m.
	49.39	6.072	VUY2	Dacca, India	9-11:15am.
N	49.42	✓6.07	CPRX	Toronto, Canada	7am-1:30am; Sun 11am-12 mid...News 7, 8, 9am.
N	49.42	✓6.07	YV5RU	Caracas, Venezuela	7:30am- 6-11:30pm.
	49.42S	6.07	T1WS	Puntarenas, C.R.	8:30pm-12:15am; Sun. 3-9pm / -8:30pm; Su. 12-3p
	49.42N	6.07	G--	London, England	6-9:30pm / 9:30-10:30am; Sa. 6:45-7:30am, 12:30
	49.50	6.06	VQ7LO	Nairobi, Kenya	6:45-7:15am, 12:30-3:30pm ex. Sa/Su; Tu. & Th.
	49.50S	6.06		Bangkok, Thailand	7-9, 9:30-10:30am.
N	49.50N	6.06	WCDA	New York, N.Y.	7pm-2am
	49.55	6.054	HJFA	Pereira, Colombia	10am-1, 7:30-11:20pm
	49.59	6.05	OAX6A	Arequipa, Peru	7pm-12 mid. (Cont. on Page 3).

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