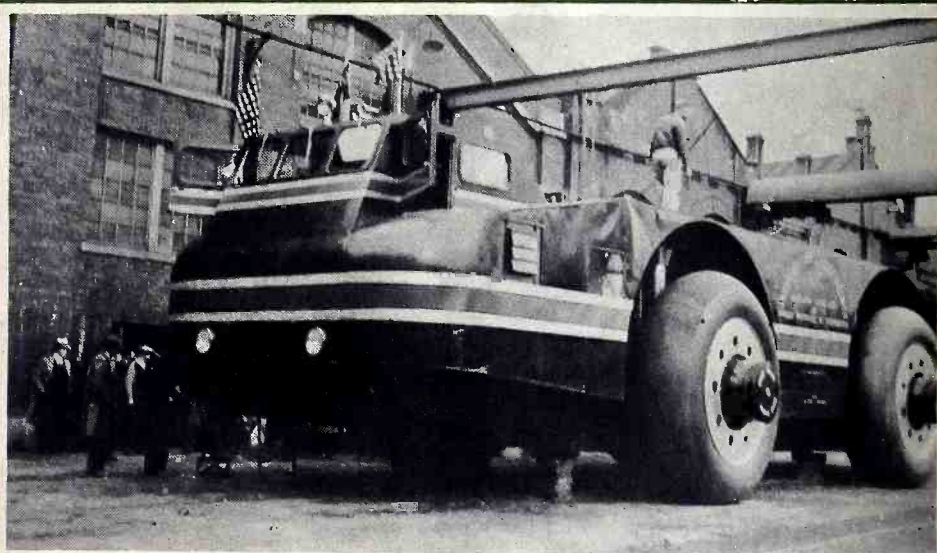


THE GLOBE CIRCLER

COMPLETE GUIDE-BOOK FOR SHORT-WAVE LISTENERS



FROM THIS SNOW CRUISER IN ANTARCTIC WASTES ADMIRAL BYRD WILL SEND SHORT-WAVE BROADCASTS TO NORTH AMERICAN LISTENERS.

28

English War News From Europe

		Daily (E.S.T.)					
8:15 a.m.	London	DJB	17.81	7:30 p.m.	Rome	2RO3	9.63
8:30 a.m.	Berlin	DJB	15.20	7:30 p.m.	London	GSC	9.58
11:00 a.m.	London	GSV	17.81	8:00 p.m.	Stockholm	SBU	9.535
1:00 p.m.	London	GSI	15.26	8:03 p.m.	Paris	TPE 23	9.68
1:20 p.m.	Paris	TPE 8	11.845	8:15 p.m.	Berlin	DXB	9.61
3:50 p.m.	London	GSD	11.75	8:40 p.m.	Madrid	EAQ	9.86
4:15 p.m.	Berlin	DXB	9.61	9:45 p.m.	London	GSC	9.58
4:45 p.m.	London	GSD	11.75	10:30 p.m.	Berlin	DJC	6.02
6:00 p.m.	Berlin	DXB	9.61	11:00 p.m.	London	GSL	6.11
6:30 p.m.	London	GSC	9.58	11:30 p.m.	Paris	TAC 27	9.68
7:00 p.m.	Moscow	RAN	9.60	12:00 a.m.	Berlin	DJC	6.02
7:30 p.m.	Budapest	HAT4	9.125	12:15 a.m.	Paris	TPE 23	9.68

ten cents

INTERNATIONAL DX'ERS ALLIANCE

SHORT WAVE NOTES

C. Morrison, Editor-in-Chief; Perry Ferrell, UHF Editor; R.B. Oxrieder, J. Larsen, Frequency Checking Editors; Roger Legge, Roy Waite, Ama-Touring Editors.

DON'T FORGET THE IDA PROGRAM FROM ADDIS ABABA

Sunday, January 21, 5-5:30 p.m. EST, over 12AA (9.65), of Addis Abeba, I.E.A

HOW TO TUNE-IN THE BYRD ANTARCTIC EXPEDITION VIA SHORT-WAVE

Three amateur transmitters (each 500 watts on C.W. and 400 watts on phone) will be operated by the Byrd Expedition. KC4USA will be installed at the West Base; KC4USB at the East Base, and KC4USC in the Snow Cruiser. Each transmitter has crystals for 7.075, 14.150 and 28.300 mcs. Receivers are Hammarlund Super Pro's, HQ-120's, and SW-3's. . . . The West Base camp, will include 2 500, and 1 125 watt transmitters. It's commercial call will be KRTK; The East Base camp, will include 1 500, and 1 125 watt transmitters. Its commercial call will be KRTC; The Snow Cruiser will include a 125 watt transmitter. Its commercial call will be KRTA. RCA will pick-up programs from the Exped. two or three times a week. For these contacts the commercial calls will be used, and regular mobile frequencies, and experimental frequencies: 6.425, 9.135, 11.06, 12.862, 23.100, and 30.660 mcs. Official communications will be handled by the Navy and a number of N calls and frequencies have been assigned for this purpose. . . In addition to 125 watt transmitters which are installed in each of the Condor planes; 30 watt out fits aboard the Barkley-Grow plane and the Beechcraft plane, there will be 25 outpost transmitters each with an output of 30 watts. . . The USMS, North Star (WTDU) has a 125 watt xmtr. aboard; the USS, Bear, a 500 watt xmtr. . . KC4USA and KRTK at the West Base camp may be in operation by March 1, 1940. . . . The photograph of the Snow Cruiser on the front cover was personally taken by IDA member Zana Kandle of Chicago, Ill. (QST, Kandle, Taglauer)

PRESS DEADLINES: For February Globe Circler: Jan. 16; for February Stop Press Sheet: Jan. 30; February Ama-Touring: Jan. 27 (For Ama-Touring, send your news-items to Roger Legge, 20 Beethoven St., Binghamton, N.Y.)

MAKE OUT SHORT-WAVE REPORTS AS FOLLOWS: Double space lines...use one side paper only...group items by continents and state time used...Items in order of importance are: NEW stations; exact frequencies or freq. changes; exact skeds or addresses; identifying signals and unusual receptions. RUSH IMPORT ANT ITEMS BY FASTEST MAIL. FOUR STAR items denote exceptional merit. EACH FIVE STAR ITEM PAYS its contributor \$1.00.

Next VIC/VAC ratings will be given in the FEBRUARY Globe Circler. Rush your revised ratings in to your District Director at once.

- ULTRA HIGH FREQUENCIES -

Perry Ferrel, Jr.

Conditions are unsettled and rather poor for this time of year.... Heard several television sigs near 45.00 mcs. during ionosphere disturbance on Nov. 25 (Criswell-Ariz.)...W2XMN and W1XOJ, both F-M, were identified here during Nov. (Barnes-Calif.)...W9XPD heard signing on at 11am EST with good signals... W9XA back on air with same reliable signals from 12 noon to 3 p.m. . . . Harmonic of GSG still being heard irreg. on 35.58 mcs...Newest mystery station can be heard on 30.5 mcs. in the very early AM, where he speaks for three or four minutes then calls other stations in a distinctly Slavic tongue...WQIE heard calling CAR # 8 on 30.70 at 6:39, no location given..... W2XMN now rebroadcasts WQXR, 4-6pm; WABC, 6-7:30pm; WQXR, 7:30-8pm and WABC, from 8pm on...W8XINU (25.95), Cincinnati, heard with terrific signs during the short skip...W5XD (25.30), Dallas, heard daily 12:30-2:30p with good sign, It then shifts to 25.25 and broadcasts facsimile...DX'ers should watch for W3XIR (42.14) and W3XEZ (42.60), which test irreg. with an audio oscillator ranging from 25 to 20,000 cycles. DX'ers should be able to get an idea of the fidelity characteristics of their receivers...KQAN, KQCI, KQCM and KQXX, all police, heard on 33.10 mcs. during 10 minute listening test...W2XVT, DuMont Telly, Passaic, N.J. is being heard irregularly in mornings with tone signal and movie short on 49.75 mcs. for sound (J. Evanovsky-N.Y.C.)

SHORT WAVE NOTES

C. Morrison, Editor-in-Chief; Perry Ferrell, UHF Editor; R.B. Oxrieder, J. Larsen, Frequency Checking Editors; Roger Legge, Roy Waite, Ama-Touring Editors.

DON'T FORGET THE IDA PROGRAM FROM ADDIS ABABA

Sunday, January 21, 5-5:30 p.m. EST, over 12AA (9.65), of Addis Abeba, I.E.A

HOW TO TUNE-IN THE BYRD ANTARCTIC EXPEDITION VIA SHORT-WAVE

Three amateur transmitters (each 500 watts on C.W. and 400 watts on phone) will be operated by the Byrd Expedition. KC4USA will be installed at the West Base; KC4USB at the East Base, and KC4USC in the Snow Cruiser. Each transmitter has crystals for 7.075, 14.150 and 28.300 mcs. Receivers are Hammarlund Super Pro's, HQ-120's, and SW-3's. . . . The West Base camp, will include 2 500, and 1 125 watt transmitters. It's commercial call will be KRTK; The East Base camp, will include 1 500, and 1 125 watt transmitters. Its commercial call will be KRTC; The Snow Cruiser will include a 125 watt transmitter. Its commercial call will be KRTA. RCA will pick-up programs from the Exped. two or three times a week. For these contacts the commercial calls will be used, and regular mobile frequencies, and experimental frequencies: 6.425, 9.135, 11.06, 12.862, 23.100, and 30.660 mcs. Official communications will be handled by the Navy and a number of N calls and frequencies have been assigned for this purpose. . . In addition to 125 watt transmitters which are installed in each of the Condor planes; 30 watt out fits aboard the Barkley-Grow plane and the Beechcraft plane, there will be 25 outpost transmitters each with an output of 30 watts. . . The USMS, North Star (WTDU) has a 125 watt xmtr. aboard; the USS, Bear, a 500 watt xmtr. . . KC4USA and KRTK at the West Base camp may be in operation by March 1, 1940. . . . The photograph of the Snow Cruiser on the front cover was personally taken by IDA member Zana Kandle of Chicago, Ill. (QST, Kandle, Taglauer)

PRESS DEADLINES: For February Globe Circler: Jan. 16; for February Stop Press Sheet: Jan. 30; February Ama-Touring: Jan. 27 (For Ama-Touring, send your news-items to Roger Legge, 20 Beethoven St., Binghamton, N.Y.)

MAKE OUT SHORT-WAVE REPORTS AS FOLLOWS: Double space lines...use one side paper only...group items by continents and state time used...Items in order of importance are: NEW stations; exact frequencies or freq. changes; exact skeds or addresses; identifying signals and unusual receptions. RUSH IMPORT ANT ITEMS BY FASTEST MAIL. FOUR STAR items denote exceptional merit. EACH FIVE STAR ITEM PAYS its contributor \$1.00.

Next VIC/VAC ratings will be given in the FEBRUARY Globe Circler. Rush your revised ratings in to your District Director at once.

- ULTRA HIGH FREQUENCIES -

Perry Ferrel, Jr.

Conditions are unsettled and rather poor for this time of year.... Heard several television sigs near 45.00 mcs. during ionosphere disturbance on Nov. 25 (Criswell-Ariz.)...W2XMN and W1XOJ, both F-M, were identified here during Nov. (Barnes-Calif.)...W9XPD heard signing on at 11am EST with good signals... W9XA back on air with same reliable signals from 12 noon to 3 p.m. . . . Harmonic of GSG still being heard irreg. on 35.58 mcs...Newest mystery station can be heard on 30.5 mcs. in the very early AM, where he speaks for three or four minutes then calls other stations in a distinctly Slavic tongue...WQIE heard calling CAR # 8 on 30.70 at 6:39, no location given..... W2XMN now rebroadcasts WQXR, 4-6pm; WABC, 6-7:30pm; WQXR, 7:30-8pm and WABC, from 8pm on...W8XINU (25.95), Cincinnati, heard with terrific signs during the short skip...W5XD (25.30), Dallas, heard daily 12:30-2:30p with good sign, It then shifts to 25.25 and broadcasts facsimile...DX'ers should watch for W3XIR (42.14) and W3XEZ (42.60), which test irreg. with an audio oscillator ranging from 25 to 20,000 cycles. DX'ers should be able to get an idea of the fidelity characteristics of their receivers...KQAN, KQCI, KQCM and KQXX, all police, heard on 33.10 mcs. during 10 minute listening test...W2XVT, DuMont Telly, Passaic, N.J. is being heard irregularly in mornings with tone signal and movie short on 49.75 mcs. for sound (J. Evanovsky-N.Y.C.)

E.S.T.

— NORTH AND CENTRAL AMERICA —

E.S.T.

3

BAHAMAS ZNS2 (6.09) now operates 7-9pm. Relays BBC news at 7:30pm.
CANADA CJRX (11.72) and CJRO (6.150), Winnipeg, are again on the air and relaying CJRC, with loud signals, from as early as 4, to 8:30, and sometimes to 1:30 a.m. News at 8pm (**Schubert, Thompson, Larsen, Callan, Soplop)
C.R. TIPG is now in clear on 9.62 (Larsen)...TI2XD (11.94) is off air
CUBA COBX is off air (Larsen)...COCA is off air (Radio Guia)...COCD is now on 6.132 (Larsen...COCE is off air (Radio Guia)...COCM (9.825), is buried under C.W. QRM evenings (Callan, Larsen)...COCW (6.33) signs-off at 12:15am (Saunders)...COCX is now on 9.200 (Larsen)...COGF (11.80), operates on an indefinite sked, coming on air at 9, 10am or 1:30pm and signs-off as late as 11:30pm (Soplop)...COHI (6.44), Parque Vidal 5, Santa Clara, 5000w, relays the Cadena Azul de Radio, daily 7am-12:15am (Radio Guia, RBO)...COX7 (4.29), 100w, Ejercito Constitucional, Havana, relays CMZ irreg. to 10:30pm.
D.R. HILN (6.245 & 12.49), now signs-off at 9:40pm (Larsen, Saunders)...HILS now on 6.416 (RBO)...HI2X (11.97) is off air (Soplop)...HISC (6.73), comes on air at 4:55pm; signs-off anywhere from 6 to 8pm (Larsen)...HISU (6.02), "Stacion Perifonica", Santiago, 100w, operates 7:10-8:55, 11:40am-1:40, 4:40-6:40pm (Stockbridge)...New slogan for HIT is "El HIT del Aire" (Legge)
EL, SALVADOR YSM (11.71) now broadcasts evenings from 6:30 to 9:30pm or sometimes later. English travel talks nightly at 9pm (*Soplop, Herz, Jenkins)...NEW: YSW (6.15), heard nightly to about 10:15pm relaying YSS of San Salvador; has English announcements & whistling bird signal (Roberts, Legge)**
GUADELOUPE FGAH (7.44) has not been heard lately (Callan)
GUATEMALA TGWB is now on 6.445 (Larsen)
HAITI HHSW is now relaying HHW, simultaneously on 9.78 and 6.345, week nights 7-9pm and Sundays 5-8pm. English announcements at 7:33pm and at sign-off (**Schubert, Larsen, Legge)
HAWAII KQH (14.92) and KHE (17.97), Kahuku, pickup "Hawaii Calls", for MBS Sat. 8:30-9pm, and "The Voice of Hawaii" for NBC, Sun. 8:30-9pm (Balbi, Larsen)
JAMAICA VP5PZ (4.80), Kingston, inaugurated on Nov. 17, broadcasts Fridays, 4:30-5:15pm. Reception reports should be sent to Mrs. A. Lind-Allwood, "Vermont, Chapelton, Jamaica, B.W.I. (**Mrs. A. L. Allwood)
MARTINIQUE Fort-de-France (9.703), now gives English news at 6:30pm (Callan)
MEXICO XBA (6.976), Tacubaya, broadcasts weather information Mon/Wed 10-10:15 and Thurs. 9-9:15pm; XBC (6.976), Veracruz, 150w, verified promptly (Saunders, Legge)...XEBR (11.826) believed off air (Soplop)...XEHX (11.11), Banco Nacional de Mexico, heard testing (RBO)...XETA (11.76), Monterrey, heard R8/9 at 10:30pm (WestDyake-Calif)...XEWI (11.9), believed off air and XEYU (9.61), also believed off air (Soplop, Callan)
NEWFOUNDLAND VONG (9.48), 300w, operates 8:30am-1:30pm & irreg. 4:30-9:30pm; on 5.97, 4:30-9:30pm. BBC news is relayed at 1 and 7:30pm (VONG, Robinson)
NICARAGUA YNRF (6.76) signs-off at 10:40pm with "Goodnight Dear, Goodnight"
PANAMA HP5A (11.7), now on 7-10:40am, and evenings to 11pm; QRM'ed by IQY and CB1170 (Soplop, Herz)...HP5G (11.78) gives English news at 12:30 and 7pm (Soplop)...HP5J is R8 at 7am; varies from 9.615 to 9.595 (Waite, Callan)
U.S.A. WBOS (9.57), now tests for Bureau of Standards 6-9am; relays CBS 3pm-1am- is badly QRM'ed by CXA2 (Callan, Waite)...When WCBX (11.83) is off, 6-6:30pm is a good time to hear CXA14 (9.625) (Soplop)...WPIT now operates on 11.87, 3-9, 10-11 and sometimes to 1am; on 6.14, 9-10pm and 11pm-1am irreg. (Soplop, Balbi)...See list for correct schedules for WRUL/WRUW.

— SOUTH AMERICA —

ARGENTINA New sked: LRA1 (9.69), 9:30am-noon, 4:30-8pm; Sa/Su 6-8pm, and LRA2 (6.18), 5-8pm, Sa/Su 6-8pm (Legge)
BOLIVIA According to official list following xmtrs. are in operation: at Oruro, CP11 (6.100), 250w; at La Paz, CP15 (6.12), "El Condor", 250w, CP12 (6.15), "Fides", 250w, and CP5 (6.200), "Illimani", 1000w; at Santa Cruz, CP30 (6.135), "El Oriente", 250w; at Sucre, CP1 (9.500), "Chuquisaca", 250w, and at Cochabamba, CP22 (6.13), "Internacional", 250w. . . Construction permits have been granted for the following xmtrs. at La Paz: CP2 (6.11), 250w, and CP36 (9.505), "Nacional", 1000w, CP24 (9.51), "Cultura", 250w, CP6 (9.52) and CP7 (15.300), "Illimani", 1000w, CP23 (9.55), "Libertad", 250w, CP35 (9.59), "Bolivia", 500w, and CP25 (9.70), "El Norte", 500w (Com. Bul.)
BRAZIL PSK (8.200), is now operating in parallel with PSH (10.22), week nights 5:55-7pm. Interval signal is 5 chimes (2 plus 3) (*Callan, Larsen)

E.S.T.

— NORTH AND CENTRAL AMERICA —

E.S.T.

3

BAHAMAS ZNS2 (6.09) now operates 7-9pm. Relays BBC news at 7:30pm.
CANADA CJRX (11.72) and CJRO (6.150), Winnipeg, are again on the air and relaying CJRC, with loud signals, from as early as 4, to 8:30, and sometimes to 1:30 a.m. News at 8pm (**Schubert, Thompson, Larsen, Callan, Soplop)
C.R. TIPG is now in clear on 9.62 (Larsen)...TI2XD (11.94) is off air
CUBA COBX is off air (Larsen)...COCA is off air (Radio Guia)...COCD is now on 6.132 (Larsen)...COCE is off air (Radio Guia)...COCM (9.825), is buried under C.W. QRM evenings (Callan, Larsen)...COCW (6.33) signs-off at 12:15am (Saunders)...COCX is now on 9.200 (Larsen)...COGF (11.80), operates on an indefinite sked, coming on air at 9, 10am or 1:30pm and signs-off as late as 11:30pm (Soplop)...COHI (6.44), Parque Vidal 5, Santa Clara, 5000w, relays the Cadena Azul de Radio, daily 7am-12:15am (Radio Guia, RBO)...COX7 (4.29), 100w, Ejercito Constitucional, Havana, relays CMZ irreg. to 10:30pm.
D.R. HILN (6.245 & 12.49), now signs-off at 9:40pm (Larsen, Saunders)...HILS now on 6.416 (RBO)...HI2X (11.97) is off air (Soplop)...HISC (6.73), comes on air at 4:55pm; signs-off anywhere from 6 to 8pm (Larsen)...HISU (6.02), "Stacion Perifonica", Santiago, 100w, operates 7:10-8:55, 11:40am-1:40, 4:40-6:40pm (Stockbridge)...New slogan for HIT is "El HIT del Aire" (Legge)
EL, SALVADOR YSM (11.71) now broadcasts evenings from 6:30 to 9:30pm or sometimes later. English travel talks nightly at 9pm (*Soplop, Herz, Jenkins)...NEW: YSW (6.15), heard nightly to about 10:15pm relaying YSS of San Salvador; has English announcements & whistling bird signal (Roberts, Legge)**
GUADELOUPE FGAH (7.44) has not been heard lately (Callan)
GUATEMALA TGWB is now on 6.445 (Larsen)
HAITI HHSW is now relaying HHW, simultaneously on 9.78 and 6.345, week nights 7-9pm and Sundays 5-8pm. English announcements at 7:33pm and at sign-off (**Schubert, Larsen, Legge)
HAWAII KQH (14.92) and KHE (17.97), Kahuku, pickup "Hawaii Calls", for MBS Sat. 8:30-9pm, and "The Voice of Hawaii" for NBC, Sun. 8:30-9pm (Balbi, Larsen)
JAMAICA VP5PZ (4.80), Kingston, inaugurated on Nov. 17, broadcasts Fridays, 4:30-5:15pm. Reception reports should be sent to Mrs. A. Lind-Allwood, "Vermont, Chapelton, Jamaica, B.W.I. (**Mrs. A. L. Allwood)
MARTINIQUE Fort-de-France (9.703), now gives English news at 6:30pm (Callan)
MEXICO XBA (6.976), Tacubaya, broadcasts weather information Mon/Wed 10-10:15 and Thurs. 9-9:15pm; XBC (6.976), Veracruz, 150w, verified promptly (Saunders, Legge)...XEBR (11.826) believed off air (Soplop)...XEHX (11.11), Banco Nacional de Mexico, heard testing (RBO)...XETA (11.76), Monterrey, heard R8/9 at 10:30pm (WestDyake-Calif)...XEWI (11.9), believed off air and XEYU (9.61), also believed off air (Soplop, Callan)
NEWFOUNDLAND VONG (9.48), 300w, operates 8:30am-1:30pm & irreg. 4:30-9:30pm; on 5.97, 4:30-9:30pm. BBC news is relayed at 1 and 7:30pm (VONG, Robinson)
NICARAGUA YNRF (6.76) signs-off at 10:40pm with "Goodnight Dear, Goodnight"
PANAMA HP5A (11.7), now on 7-10:40am, and evenings to 11pm; QRM'ed by IQY and CB1170 (Soplop, Herz)...HP5G (11.78) gives English news at 12:30 and 7pm (Soplop)...HP5J is R8 at 7am; varies from 9.615 to 9.595 (Waite, Callan)
U.S.A. WBOS (9.57), now tests for Bureau of Standards 6-9am; relays CBS 3pm-1am- is badly QRM'ed by CXA2 (Callan, Waite)...When WCBX (11.83) is off, 6-6:30pm is a good time to hear CXA14 (9.625) (Soplop)...WPIT now operates on 11.87, 3-9, 10-11 and sometimes to 1am; on 6.14, 9-10pm and 11pm-1am irreg. (Soplop, Balbi)...See list for correct schedules for WRUL/WRUW.

— SOUTH AMERICA —

ARGENTINA New sked: LRAL (9.69), 9:30am-noon, 4:30-8pm; Sa/Su 6-8pm, and LRA2 (6.18), 5-8pm, Sa/Su 6-8pm (Legge)
BOLIVIA According to official list following xmtrs. are in operation: at Oruro, CP11 (6.100), 250w; at La Paz, CP15 (6.12), "El Condor", 250w, CP12 (6.15), "Fides", 250w, and CP5 (6.200), "Illimani", 1000w; at Santa Cruz, CP30 (6.135), "El Oriente", 250w; at Sucre, CP1 (9.500), "Chuquisaca", 250w, and at Cochabamba, CP22 (6.13), "Internacional", 250w. . . Construction permits have been granted for the following xmtrs. at La Paz: CP2 (6.11), 250w, and CP36 (9.505), "Nacional", 1000w, CP24 (9.51), "Cultura", 250w, CP6 (9.52) and CP7 (15.300), "Illimani", 1000w, CP23 (9.55), "Libertad", 250w, CP35 (9.59), "Bolivia", 500w, and CP25 (9.70), "El Norte", 500w (Com. Bul.)
BRAZIL PSK (8.200), is now operating in parallel with PSH (10.22), week nights 5:55-7pm. Interval signal is 5 chimes (2 plus 3) (*Callan, Larsen)

CHILE CB970, Valparaiso, is now on 9.73 (Larsen)...CB1170 (11.7), signs off at mid.; QRM's HP5A badly (Soplop)...CB1174 (11.74), operates nightly 6-11pm (Sun. to 10:30pm); Occasionally announces in English at sign-off (Soplop)...CB1180 (11.97), the loudest of the CB's, is heard from as early as 4:50 to 11pm; QRM'ed by C.W. station WVY. Signs-off with "Taps" on bugle. (*Pardini, Soplop, Saunders)...CB1185 believed off the air (Soplop)...CD1190 (11.91), Valdivia, heard from 5 to 10:30pm. Signature is an organ selection; time signal is sounded at exactly 10:30 and chimes are heard before carrier leaves the air (**Soplop)

COLOMBIA HJCD (6.16), Nueva Grande, signs-off at 10:30pm; Sat. to 11:40pm (Larsen)...HJCT (9.65), Bogota, a new station, heard testing at 6:30pm (Thompson)...HJDE (6.145) signs-off at 10:30pm; Sat. to 11pm (Larsen)...HJ4DAX, Medellin, is being well heard evenings on 4.795 (Legge)...HJFK, Pereira, is now being heard on 9.73, 7-9am and evenings to 10:30pm (Legge, Smith, Callan Simpson)...HJ6FAH on 9.75 is a harmonic of HJ6FAH on 4.875 (Callan, Larsen)

ECUADOR HCJB (12.46), Quito, will have new 10kW xmtr. and rotary beam by Feb. 1 (Schrock)**)...HCJB has requested a permit to broadcast just outside the low freq. end of the 28 mcs. amateur band (Legge)

PERU OAX1A is back on 6.335 again. Lady announces call very slowly (Legge, Larsen)...OAX5C has shifted slightly to 9.400 mcs. (Larsen)

URUGUAY CXA6 (9.625) seems to be using greatly increased power (Callan, RBO Larsen, Schubert)...NEW: CXA7, Montevideo, is relaying CX26 nightly on 11.48 (RBO-Panama)...NEW: CXA14 (11.825), Colonia, "Radio El Mitro", is relaying LR6 of Buenos Aires, nightly from approximately 5 to 9:20pm (**Soplop)

VENEZUELA YV1RJ (4.975), Coro, signs-off at 10pm...YV5RH, Caracas, is now on 4.955...YV5RU (4.92), Caracas, seems to have disappeared (RBO)...YV5RW (3.4), "Radio Tropical", Caracas, is being heard with fair signals 8-10pm. Chimes every 15 minutes (Legge)...YV5RW believed to be on 3.45 (Larsen)

EUROPE

BOHEMIA OLR4A (11.84) heard now only very irregularly (Soplop)

DENMARK OZF (9.52) broadcasts to S.A. & Greenland, 8-9:30, and to N.A. from 9:30-11pm. QSL is a plain white card picturing outline of world (Robinson)

ENGLAND GSL (6.11) has replaced GSD (11.75), in tran's V & VI, 6:22-9:15 & 9:37pm-12:30am. See S.W. list for other mid-winter changes.

FINLAND Has anyone heard the Lahiti xmtrs. since start of hostilities?

FRANCE Paris Mondial on 11.885, operates 10:15am-5:10pm for Africa, and 8pm-12:30am for N.A.; Paris Mondial on 11.88, operates 6-7:45pm for S.A.... Paris Mondial on 11.843, operates 12:30-1:30pm for N.A. and from 1:40-5:10pm for Africa. News in English at 1:20pm. (**Soplop, CAM, Larsen)

GERMANY Berlin now broadcasts to N.A. daily as follows: 6:30-9am, over DJB (15.2), 9:15-9:30am over DJB & DJA (9.56), 4:50pm-1am, over DXB (9.61), 4:50-10:50pm over DJD (11.77), and 8pm-1am over DJC (6.02). News in English at 6:45, 8:30, 9:15am, 6, 8:15, 10:50pm and 12 mid. (RRG, Schubert, Callan, Balbi, Larsen, Herz, Soplop, CAM)...DJA and DJN are broadcasting to S.A. daily at 7:30am (Callan)...German Freedom Station is reported to be operating on 10.07, daily near 4pm (Simpson)...DXB (9.61) is being heard irreg. noon-230pm with Arabic program (Callan)...DJP (11.855), DZC (10.22) and DZD (10.53) are all being heard with special programs irregularly (Callan, Herz, Soplop)

HUNGARY "Radio Budapest" now broadcasts over HAS3 (15.37), Sun. 9-10:30am, and over HAT4 (9.125), 7-8:30pm & Sat. 6-7:30pm for N.A. (HAT4)...From Jan. 24-Feb. 12, 1940, experimental broadcasts will again be made over HAD on 7.22, 9.625, 11.85 and 21.68. HAD was heard well on 7.22 at 11pm and on 21.68, at noon, but the other channels have not been reported (*Legge, Soplop)

ITALY IRF is on 9.82 at present (Larsen)...IQY is on 11.70, where it is pretty well covered up by HP5A (Soplop)...2R03 now on 9.635, often tests for N.Z. from 1 to 2am (Larsen, Callan, Fern)...2R015 (11.76), comes on air at about 4:30am and continues intermittently to 12:10 or 12:30pm (Soplop).

NETHERLANDS See list for completely revised skeds for PCJ/PHI (PHI)....PCJ (9.59), broadcasts an English letter bag on Tues. at 10:10pm approx. (Waite)

NORWAY LKQ (11.735), signs-off each morning near 8:50am (Soplop)

PORTUGAL CSW7 (9.74), broadcasts to N.A. usually 5:45-9pm (Callan, Larsen)

ROUMANIA Bucharesti Radio (9.234), 300w, now operates daily 12:17-5pm (E.R.)

SPAIN EAJ9 (7.220), "Radio Malaga", Malaga, Spain, is now operating daily from 4 to 6 p.m. Spanish news 5-5:30pm, followed by tango music (Legge, Schubert)...EAQ (9.855), "Radio Nacional de Espana", Madrid, broadcasts to

CHILE CB970, Valparaiso, is now on 9.73 (Larsen)...CB1170 (11.7), signs off at mid.; QRM's HP5A badly (Soplop)...CB1174 (11.74), operates nightly 6-11pm (Sun. to 10:30pm); Occasionally announces in English at sign-off (Soplop)...CB1180 (11.97), the loudest of the CB's, is heard from as early as 4:50 to 11pm; QRM'ed by C.W. station WVY. Signs-off with "Taps" on bugle. (*Pardini, Soplop, Saunders)...CB1185 believed off the air (Soplop)...CD1190 (11.91), Valdivia, heard from 5 to 10:30pm. Signature is an organ selection; time signal is sounded at exactly 10:30 and chimes are heard before carrier leaves the air (**Soplop)

COLOMBIA HJCD (6.16), Nueva Grande, signs-off at 10:30pm; Sat. to 11:40pm (Larsen)...HJCT (9.65), Bogota, a new station, heard testing at 6:30pm (Thompson)...HJDE (6.145) signs-off at 10:30pm; Sat. to 11pm (Larsen)...HJ4DAX, Medellin, is being well heard evenings on 4.795 (Legge)...HJFK, Pereira, is now being heard on 9.73, 7-9am and evenings to 10:30pm (Legge, Smith, Callan Simpson)...HJ6FAH on 9.75 is a harmonic of HJ6FAH on 4.875 (Callan, Larsen)

ECUADOR HCJB (12.46), Quito, will have new 10KW xmtr. and rotary beam by Feb. 1 (Schrock)**)...HCJB has requested a permit to broadcast just outside the low freq. end of the 28 mcs. amateur band (Legge)

PERU OAX1A is back on 6.335 again. Lady announces call very slowly (Legge, Larsen)...OAX5C has shifted slightly to 9.400 mcs. (Larsen)

URUGUAY CXA6 (9.625) seems to be using greatly increased power (Callan, RBO Larsen, Schubert)...NEW: CXA7, Montevideo, is relaying CX26 nightly on 11.48 (RBO-Panama)...NEW: CXA14 (11.825), Colonia, "Radio El Mitro", is relaying LR6 of Buenos Aires, nightly from approximately 5 to 9:20pm (**Soplop)

VENEZUELA YV1RJ (4.975), Coro, signs-off at 10pm...YV5RH, Caracas, is now on 4.955...YV5RU (4.92), Caracas, seems to have disappeared (RBO)...YV5RW (3.4), "Radio Tropical", Caracas, is being heard with fair signals 8-10pm. Chimes every 15 minutes (Legge)...YV5RW believed to be on 3.45 (Larsen)

EUROPE

BOHEMIA OLR4A (11.84) heard now only very irregularly (Soplop)

DENMARK OZF (9.52) broadcasts to S.A. & Greenland, 8-9:30, and to N.A. from 9:30-11pm. QSL is a plain white card picturing outline of world (Robinson)

ENGLAND GSL (6.11) has replaced GSD (11.75), in tran's V & VI, 6:22-9:15 & 9:37pm-12:30am. See S.W. list for other mid-winter changes.

FINLAND Has anyone heard the Lahiti xmtrs. since start of hostilities?

FRANCE Paris Mondial on 11.885, operates 10:15am-5:10pm for Africa, and 8pm-12:30am for N.A.; Paris Mondial on 11.88, operates 6-7:45pm for S.A.... Paris Mondial on 11.843, operates 12:30-1:30pm for N.A. and from 1:40-5:10pm for Africa. News in English at 1:20pm. (**Soplop, CAM, Larsen)

GERMANY Berlin now broadcasts to N.A. daily as follows: 6:30-9am, over DJB (15.2), 9:15-9:30am over DJB & DJA (9.56), 4:50pm-1am, over DXB (9.61), 4:50-10:50pm over DJD (11.77), and 8pm-1am over DJC (6.02). News in English at 6:45, 8:30, 9:15am, 6, 8:15, 10:50pm and 12 mid. (RRG, Schubert, Callan, Balbi, Larsen, Herz, Soplop, CAM)...DJA and DJN are broadcasting to S.A. daily at 7:30am (Callan)...German Freedom Station is reported to be operating on 10.07, daily near 4pm (Simpson)...DXB (9.61) is being heard irreg. noon-230pm with Arabic program (Callan)...DJP (11.855), DZC (10.22) and DZD (10.53) are all being heard with special programs irregularly (Callan, Herz, Soplop)

HUNGARY "Radio Budapest" now broadcasts over HAS3 (15.37), Sun. 9-10:30am, and over HAT4 (9.125), 7-8:30pm & Sat. 6-7:30pm for N.A. (HAT4)...From Jan. 24-Feb. 12, 1940, experimental broadcasts will again be made over HAD on 7.22, 9.625, 11.85 and 21.68. HAD was heard well on 7.22 at 11pm and on 21.68, at noon, but the other channels have not been reported (*Legge, Soplop)

ITALY IRF is on 9.82 at present (Larsen)...IQY is on 11.70, where it is pretty well covered up by HP5A (Soplop)...2R03 now on 9.635, often tests for N.Z. from 1 to 2am (Larsen, Callan, Fern)...2R015 (11.76), comes on air at about 4:30am and continues intermittently to 12:10 or 12:30pm (Soplop).

NETHERLANDS See list for completely revised skeds for PCJ/PHI (PHI)....PCJ (9.59), broadcasts an English letter bag on Tues. at 10:10pm approx. (Waite)

NORWAY LKQ (11.735), signs-off each morning near 8:50am (Soplop)

PORTUGAL CSW7 (9.74), broadcasts to N.A. usually 5:45-9pm (Callan, Larsen)

ROUMANIA Bucharesti Radio (9.234), 300w, now operates daily 12:17-5pm (E.R.)

SPAIN EAJ9 (7.220), "Radio Malaga", Malaga, Spain, is now operating daily from 4 to 6 p.m. Spanish news 5-5:30pm, followed by tango music (Legge, Schubert)...EAQ (9.855), "Radio Nacional de Espana", Madrid, broadcasts to

N.A. nightly 7:45-8:50pm; news in English from 8:40-8:50pm (Saunders, R.D.)
SWEDEN SBU (9.535) and SBP (11.705), now radiate simultaneously for N.A. nightly from 8 to 9pm. The interval signal, consisting of 12 notes repeated over and over, is first heard, then carillons at 8pm, announcements in English and Swedish, and a variety program concluded by English announcements at 9. (**Pedersen)...SBP (11.705) gives sign-on announcements in English at 12:57, prior to coming on air at 1pm. SBP suffers from C.W. QRM (**Soplop)
SWITZERLAND HBL (9.345), also broadcasts Sundays 9-10pm (Stockbridge)
U.S.S.R. RNE (12), broadcasts intermittently throughout the day & night, having been heard from 7 to 8:45, 9pm-4 and from 6:30-11am (Soplop, Balbi) ...Moscow (11.895), signal equal to RNE but quality poor, is heard 4-6:30pm. ...Moscow (11.81), heard once, on Dec. 1, 2:20-2:33am (Soplop)...Moscow (11.74) -a commercial phone- heard frequently 5-8am (Soplop)...Moscow (11.705), was heard once, Dec. 1, 2:15-2:26am (Soplop)...Moscow (11.66) heard frequently mornings near 7am (Callan, Lebouef)...RAN (9.60) operates 7-8am, 3-4 and 5:30-6pm irreg., and 7-8pm for N.A...RV96 (6.03), is being heard 9-10am (AB)
VATICAN CITY According to veri' new sked is: on 15.12, Sun. 1-1:30, Tu. 8:30-9 10-10:30am and Wed. 4:30-5pm; on 9.66, Sun. 5-5:30am, on 11.74, Tu. 10:30 10:45am and on 6.19, Sun. 1:30-2pm, Mon/Tu/Fri 4-5pm, Wed/Sat 4-5:30pm and Thurs. 4:30-5pm (*Schubert, Soplop)
YUGOSLAVIA "Radio Stacioj" broadcasts over YUC (9.505) and YUA (6.100), daily as follows: 11:20-1:00 and 2:20-4:20pm. News in English at 12:40 and 4pm. (YUC/YUA)...YUF (15.24), broadcasts to S.A., 7-8pm and YUG to NA, 8-9pm. YUA (6.100) is being heard fairly well 12:45-2am (Schubert-Iowa)

AFRICA

CANARIAS EASAS (7.24), Teneriffe, relays news in Spanish to other stations including EASAK (7.05) and EAGAI (7.19), quite often around 7-8pm (**Legge)
I.E.A. 12AA (9.65), now operates 3:30-5:30am, Sun. 2:30-5:30am and daily 8am-2:30pm (Radiocorriere)...IDA PROGRAM FROM 12AA, on JAN. 21, 5:00-5:30 P.M. ...The ELAR is constructing a new 10kW S.W. xmtr. at Addis Ababa (E.I.A.R.)
MOZAMBIQUE CR7AA (6.137 and 3.493), Lourenco Marques, operates weekdays 12-1. 4:30-6:30, 9:30-11am and 12-4pm, and Sundays 5-7, and 10am-1:30pm (A.R.A.**)
SO. AFRICA DXB (9.61), Berlin, has pushed ZRL up to 9.615 (Callan, Larsen)

ASIA AND OCEANIA

AUSTRALIA NEW: VLW (6.13), Perth, first heard Nov. 30, is now on the air regularly from 5:30 on. Can be heard weekdays to -6:45am when CHNX comes on air and Sundays until fade-out at about 7:45am. News at 6:15am. Also heard testing on 9.56 and 11.83 (**Messer, Soplop, Thompson, Roberts)
CHINA Mystery station, believed to be Chinese or Arabic, heard on 7.85, daily 2-3:30pm with strong signals. Interval signal is 3 or 4 tinkling notes repeated before announcements (**Stockbridge, Callan)...An unidentified Canton station, may be XGOK- also reported as XHGM, on 11.65, is being heard 7-8:30am, with a lady giving English news at 7:15am (**Waite, Soplop) ...XGOY (varies from 11.888 to 11.905), has been very weak of late. Has news in English at 5pm (Soplop, Ong, CAM, Lebouef)...XGOX (15.200), is now broadcasting to N.A. and Japan, nightly 8:30-10:45pm; news in English at 9:50pm; talks in English at 8:30 and 10:05pm. XGOX broadcast special test programs for San Francisco, 2-3am and 8:55-9:30am, Nov. 27-Dec. 10 on 15.20, and Dec. 11-Dec. 25 on 9.500. Reports on these tests or regular transmissions of XGOX/XGOY should be sent to Ying Ong of 1001 E. Roosevelt St., Phoenix, Ariz. (**Ong, Legge, Soplop, Thompson, CAM)
F. INDO CHINA "Radio Saigon" (11.78), Saigon, now operates 6-10:15, and 10:30 11:30am and 6:30-7:25pm. Relays BBC English news at 6 and 11am and BBC French news at 6:45pm. Has all-Chinese program at 9:15-10:15am. Announcer is a lady and station always signs with "Marseillaise" (Soplop, Balbi, Stockbridge, Ong, Saunders, CAM, Lebouef, Rudd**)
HONG KONG ZBW3 (9.525) broadcasts all-Chinese program daily 5-7am (**Ong)
INDIA All of the India stations in the 60 meter band are very well heard now mornings. VUD2 (9.59), Delhi, is well heard 9:30-11pm, on Sun/Tues/Fri, when WCAB is off the air. (Waite, Gilgen, Legge, Schubert, CAM)
IRAN On Dec. 12, at 7:15am, a mysterious station on 9.68, made what was believed to be the following announcement, "La Vos da Teherana, Ay-Koo-Say" (EQC)(Callan**). The new 20kW xmtr. at Teheran (Persia), was not scheduled for completion until next May, but perhaps it has been completed- Ed.
JAPAN JZI (9.535), broadcasts 7-9:30am and 2-4pm; JZJ (11.9), broad-

N.A. nightly 7:45-8:50pm; news in English from 8:40-8:50pm (Saunders, R.D.)
SWEDEN SBU (9.535) and SBP (11.705), now radiate simultaneously for N.A. nightly from 8 to 9pm. The interval signal, consisting of 12 notes repeated over and over, is first heard, then carillons at 8pm, announcements in English and Swedish, and a variety program concluded by English announcements at 9. (**Pedersen)...SBP (11.705) gives sign-on announcements in English at 12:57, prior to coming on air at 1pm. SBP suffers from C.W. QRM (**Soplop)
SWITZERLAND HBL (9.345), also broadcasts Sundays 9-10pm (Stockbridge)
U.S.S.R. RNE (12), broadcasts intermittently throughout the day & night, having been heard from 7 to 8:45, 9pm-4 and from 6:30-11am (Soplop, Balbi) ...Moscow (11.895), signal equal to RNE but quality poor, is heard 4-6:30pm. ...Moscow (11.81), heard once, on Dec. 1, 2:20-2:33am (Soplop)...Moscow (11.74) -a commercial phone- heard frequently 5-8am (Soplop)...Moscow (11.705), was heard once, Dec. 1, 2:15-2:26am (Soplop)...Moscow (11.66) heard frequently mornings near 7am (Callan, Lebouef)...RAN (9.60) operates 7-8am, 3-4 and 5:30-6pm irreg., and 7-8pm for N.A...RV96 (6.03), is being heard 9-10am (AB)
VATICAN CITY According to veri' new sked is: on 15.12, Sun. 1-1:30, Tu. 8:30-9 10-10:30am and Wed. 4:30-5pm; on 9.66, Sun. 5-5:30am, on 11.74, Tu. 10:30 10:45am and on 6.19, Sun. 1:30-2pm, Mon/Tu/Fri 4-5pm, Wed/Sat 4-5:30pm and Thurs. 4:30-5pm (*Schubert, Soplop)
YUGOSLAVIA "Radio Stacioj" broadcasts over YUC (9.505) and YUA (6.100), daily as follows: 11:20-1:00 and 2:20-4:20pm. News in English at 12:40 and 4pm. (YUC/YUA)...YUF (15.24), broadcasts to S.A., 7-8pm and YUG to NA, 8-9pm. YUA (6.100) is being heard fairly well 12:45-2am (Schubert-Iowa)

AFRICA

CANARIAS EASAS (7.24), Teneriffe, relays news in Spanish to other stations including EASAK (7.05) and EAGAI (7.19), quite often around 7-8pm (**Legge)
I.E.A. 12AA (9.65), now operates 3:30-5:30am, Sun. 2:30-5:30am and daily 8am-2:30pm (Radiocorriere)...IDA PROGRAM FROM 12AA, on JAN. 21, 5:00-5:30 P.M. ...The ELAR is constructing a new 10kW S.W. xmr. at Addis Ababa (E.I.A.R.)
MOZAMBIQUE CR7AA (6.137 and 3.493), Lourenco Marques, operates weekdays 12-1. 4:30-6:30, 9:30-11am and 12-4pm, and Sundays 5-7, and 10am-1:30pm (A.R.A.**)
SO. AFRICA DXB (9.61), Berlin, has pushed ZRL up to 9.615 (Callan, Larsen)

ASIA AND OCEANIA

AUSTRALIA NEW: VLW (6.13), Perth, first heard Nov. 30, is now on the air regularly from 5:30 on. Can be heard weekdays to -6:45am when CHNX comes on air and Sundays until fade-out at about 7:45am. News at 6:15am. Also heard testing on 9.56 and 11.83 (**Messer, Soplop, Thompson, Roberts)
CHINA Mystery station, believed to be Chinese or Arabic, heard on 7.85, daily 2-3:30pm with strong signals. Interval signal is 3 or 4 tinkling notes repeated before announcements (**Stockbridge, Callan)...An unidentified Canton station, may be XGOK- also reported as XHGM, on 11.65, is being heard 7-8:30am, with a lady giving English news at 7:15am (**Waite, Soplop) ...XGOY (varies from 11.888 to 11.905), has been very weak of late. Has news in English at 5pm (Soplop, Ong, CAM, Lebouef)...XGOX (15.200), is now broadcasting to N.A. and Japan, nightly 8:30-10:45pm; news in English at 9:50pm; talks in English at 8:30 and 10:05pm. XGOX broadcast special test programs for San Francisco, 2-3am and 8:55-9:30am, Nov. 27-Dec. 10 on 15.20, and Dec. 11-Dec. 25 on 9.500. Reports on these tests or regular transmissions of XGOX/XGOY should be sent to Ying Ong of 1001 E. Roosevelt St., Phoenix, Ariz. (**Ong, Legge, Soplop, Thompson, CAM)
F. INDO CHINA "Radio Saigon" (11.78), Saigon, now operates 6-10:15, and 10:30 11:30am and 6:30-7:25pm. Relays BBC English news at 6 and 11am and BBC French news at 6:45pm. Has all-Chinese program at 9:15-10:15am. Announcer is a lady and station always signs with "Marseillaise" (Soplop, Balbi, Stockbridge, Ong, Saunders, CAM, Lebouef, Rudd**)
HONG KONG ZBW3 (9.525) broadcasts all-Chinese program daily 5-7am (**Ong)
INDIA All of the India stations in the 60 meter band are very well heard now mornings. VUD2 (9.59), Delhi, is well heard 9:30-11pm, on Sun/Tues/Fri, when WCAB is off the air. (Waite, Gilgen, Legge, Schubert, CAM)
IRAN On Dec. 12, at 7:15am, a mysterious station on 9.68, made what was believed to be the following announcement, "La Vos da Teherana, Ay-Koo-Say" (EQC)(Callan**). The new 20kW xmr. at Teheran (Persia), was not scheduled for completion until next May, but perhaps it has been completed- Ed.
JAPAN JZI (9.535), broadcasts 7-9:30am and 2-4pm; JZJ (11.9), broad-

SHORT WAVE BROADCASTING STATIONS

SYMBOLS: N- NEW stations; F- Frequency changes; S- Change in sked; ~~F~~ (Frequency calibrations ~~depending~~ ^{to} Oxrieder-IDA Frequency Bureau) J- stations persisting in hopping about; V- varying in frequency; U- Frequency in doubt
 * See short-wave notes....NEWS IN ENGLISH: Most important English news periods are indicated in the list as NEWS.

DIAL METERS	MEGS.	CALL	STATION	TIME	EASTERN STANDARD
11.30	26.55	W2XQO	New York City, N.Y.	Noon-9pm.	
11.47S	26.15	W4XA	Nashville, Tenn.	Noon-1, 6:30-10pm.	
11.50S	26.10	W9XJL	Superior, Wisconsin	11am-3pm.	11
11.52	26.05	W9XH	Southbend, Indiana	Mon/Tues/Wed/Fri 2:30-6:30pm.	
11.54S	26.00	W8XUJ	Cincinnati, Ohio	Facsimile 2-4pm.	*
11.54S	26.00	W9XA	Kansas City, Mo.	12 noon-3pm.	*
11.56S	25.95	W8XNU	Cincinnati, Ohio	7am-2, 4pm-1am.	*
11.58S	25.90	W9XPD	St. Louis, Mo.	10am-1, 4-8pm.	
11.86S	25.30	W2XJI	New York City, N.Y.	11:30am-3:45, 5-6pm.	
11.86	25.30	W9XOK	St. Louis, Mo.	Testing irregularly.	
11.86S	25.30	W5XD	Dallas, Texas	12:30-2:30pm.	*
11.88S	25.25	W2XUP	New York City, N.Y.	Facsimile 4-6pm.	
13.87	21.63	WRCA	New York City, N.Y.	12 noon-3:30pm to Latin America	
13.91	21.57	WCBX	New York City, N.Y.	8am-12:30pm to Europe	
13.93	21.54	WPIT	Pittsburgh, Pa.	6:30-8am.	13
13.93	21.53	GSJ	London, England	5:40-8:45, 9:30-11:45am.	
13.94S	21.52	WCAB	Philadelphia, Pa.	12-3:45pm exSat; Sun. 12-2:30pm	
13.96	21.50	WGEA	Schenectady, N.Y.		
13.97	21.47	GSH	London, England	5:40-8:45am to Africa.	
13.98S	21.46	WRUL	Boston, Mass.	Sundays 10am-12 noon.	
13.99	21.45	DJS	Berlin, Germany	12:05-7:55am to Asia.	
15.77	19.02	HSGPJ	Bangkok, Thailand	Mondays 8-10am.	
16.69	17.97	KHE	Kahuku, Hawaii	Sat/Sun 8:30-9pm. South Pole at 8pm.	
16.81	17.85	TPB3	Paris, France	5-10am.	
16.82	17.845	DJH	Berlin, Germany	12:05-7:50, 8-9, 9-11am.	
16.82	17.84	EIRE	Athlone, Ireland	5:30-6pm; odd days 12:30-2:30, 5:30; odd days 12:30-2:30pm.	
16.83	17.83	LRA5	Buenos Aires, Arg.	Fridays 4-4:30pm.	16
16.84	17.82	2RO8	Rome, Italy	5-7:25, 7:30-9am, 6-7:25pm.	
16.85	17.81	GSV	London, England	7-11:45am to NA; 11:52am-3:30pm.	
16.85	17.80	OIH	Lahti, Finland	4-9am. (NEWS- 8:15, 11:00am.	
16.86	17.79	GSG	London, England	5:40-10:15am to Australia.	
16.87	17.78	WNBI	New York City, N.Y.	9am-4pm to Europe, 4-8pm to S.A.	
16.88S	17.77	PHI2	Huizen, Holland	Sundays 6:40-7:40am to Far East.	
16.89S	17.76	DJE	Berlin, Germany	12:05-11am.	
19.47	15.41	RV96	Moscow, U.S.S.R.	5-7:30am, 8:55-10:30pm.	
19.52S	15.37	HAS3	Budapest, Hungary	Sundays 9-10:30am.	
19.56	15.34	DJR	Berlin, Germany	4:55-10:50pm to C.A.	
19.57	15.33	WGEA	Schenectady, N.Y.	8am-6pm to Europe.	
19.57	15.33	KGEI	San Francisco, Calif.	6:30-11:15pm to Latin America	
19.58	15.32	OZH	Skamlebak, Denmark	Sundays 8am-1:30pm.	
19.60	15.31	GSP	London, England	2-5am to Near East; 1:35-3:30pm to No. America...	
19.60	15.31	YDB	Soerabaja, Java	10:30pm-2am and Sat. 7:30pm-2am.	
19.61S	15.30	2RO6	Rome, Italy	4:10-4:55, 10am-12:06, 12:20-12:40	
19.62	15.29	LRU	Buenos Aires, Argentina	1:38-2:30, 3-5:30, 7:30-9pm to NA.	
19.62	15.29	VUD2	Delhi, India	7-9am. (11:30pm)	
19.63	15.28	DJQ	Berlin, Germany	1:30-3:30, 7:30am-12:30, 9:30-12:05-11am. (SA)	
19.64	15.27	WCAB	Philadelphia, Pa.	4-6pm; Sat. 12-6pm; Sun. 3-6pm to Europe	
19.64	15.27	WCBX	New York City, N.Y.	1-3:30pm; Sun. 1-2:30pm to Europe	
19.66	15.26	GSI	London, England	12:57-5am, 11:52am-1:30pm.	
19.68	15.248	TPA2	Paris, France	5-10am.	
19.68S	15.24	YUG	Belgrade, Yugoslavia	8-9pm to N.A.	
19.68S	15.24	YUF	Belgrade, Yugoslavia	7-8pm to S.A.	
19.71S	15.22	PCJ2	Huizen, Holland	Su. 7:40-10:05, Mon/Th. 7:40-9am,	19

05T

H8H

TPB3

TPB4

TP70D

SHORT WAVE BROADCASTING STATIONS

SYMBOLS: N- NEW stations; F- Frequency changes; S- Change in sked; ~~F~~ (Frequency calibrations ~~depending~~ ^{to} Oxrieder-IDA Frequency Bureau) J- stations persisting in hopping about; V- varying in frequency; U- Frequency in doubt
 * See short-wave notes....NEWS IN ENGLISH: Most important English news periods are indicated in the list as NEWS.

DIAL METERS	MEGS.	CALL	STATION	TIME	EASTERN STANDARD
11.30	26.55	W2XQO	New York City, N.Y.	Noon-9pm.	
11.47S	26.15	W4XA	Nashville, Tenn.	Noon-1, 6:30-10pm.	
11.50S	26.10	W9XJL	Superior, Wisconsin	11am-3pm.	11
11.52	26.05	W9XH	Southbend, Indiana	Mon/Tues/Wed/Fri 2:30-6:30pm.	
11.54S	26.00	W8XUJ	Cincinnati, Ohio	Facsimile 2-4pm.	*
11.54S	26.00	W9XA	Kansas City, Mo.	12 noon-3pm.	*
11.56S	25.95	W8XNU	Cincinnati, Ohio	7am-2, 4pm-1am.	*
11.58S	25.90	W9XPD	St. Louis, Mo.	10am-1, 4-8pm.	
11.86S	25.30	W2XJI	New York City, N.Y.	11:30am-3:45, 5-6pm.	
11.86	25.30	W9XOK	St. Louis, Mo.	Testing irregularly.	
11.86S	25.30	W5XD	Dallas, Texas	12:30-2:30pm.	*
11.88S	25.25	W2XUP	New York City, N.Y.	Facsimile 4-6pm.	
13.87	21.63	WRCA	New York City, N.Y.	12 noon-3:30pm to Latin America	
13.91	21.57	WCBX	New York City, N.Y.	8am-12:30pm to Europe	
13.93	21.54	WPIT	Pittsburgh, Pa.	6:30-8am.	13
13.93	21.53	GSJ	London, England	5:40-8:45, 9:30-11:45am.	
13.94S	21.52	WCAB	Philadelphia, Pa.	12-3:45pm exSat; Sun. 12-2:30pm	
13.96	21.50	WGEA	Schenectady, N.Y.		
13.97	21.47	GSH	London, England	5:40-8:45am to Africa.	
13.98S	21.46	WRUL	Boston, Mass.	Sundays 10am-12 noon.	
13.99	21.45	DJS	Berlin, Germany	12:05-7:55am to Asia.	
15.77	19.02	HSGPJ	Bangkok, Thailand	Mondays 8-10am.	
16.69	17.97	KHE	Kahuku, Hawaii	Sat/Sun 8:30-9pm. South Pole at 8pm.	
16.81	17.85	TPB3	Paris, France	5-10am.	
16.82	17.845	DJH	Berlin, Germany	12:05-7:50, 8-9, 9-11am.	
16.82	17.84	EIRE	Athlone, Ireland	5:30-6pm; odd days 12:30-2:30, 5:30; odd days 12:30-2:30pm.	
16.83	17.83	LRA5	Buenos Aires, Arg.	Fridays 4-4:30pm.	16
16.84	17.82	2RO8	Rome, Italy	5-7:25, 7:30-9am, 6-7:25pm.	
16.85	17.81	GSV	London, England	7-11:45am to NA; 11:52am-3:30pm.	
16.85	17.80	OIH	Lahti, Finland	4-9am. (NEWS- 8:15, 11:00am.	
16.86	17.79	GSG	London, England	5:40-10:15am to Australia.	
16.87	17.78	WNBI	New York City, N.Y.	9am-4pm to Europe, 4-8pm to S.A.	
16.88S	17.77	PHI2	Huizen, Holland	Sundays 6:40-7:40am to Far East.	
16.89S	17.76	DJE	Berlin, Germany	12:05-11am.	
19.47	15.41	RV96	Moscow, U.S.S.R.	5-7:30am, 8:55-10:30pm.	
19.52S	15.37	HAS3	Budapest, Hungary	Sundays 9-10:30am.	
19.56	15.34	DJR	Berlin, Germany	4:55-10:50pm to C.A.	
19.57	15.33	WGEA	Schenectady, N.Y.	8am-6pm to Europe.	
19.57	15.33	KGEI	San Francisco, Calif.	6:30-11:15pm to Latin America	
19.58	15.32	OZH	Skamlebak, Denmark	Sundays 8am-1:30pm.	
19.60	15.31	GSP	London, England	2-5am to Near East; 1:35-3:30pm to No. America...	
19.60	15.31	YDB	Soerabaja, Java	10:30pm-2am and Sat. 7:30pm-2am.	
19.61S	15.30	2RO6	Rome, Italy	4:10-4:55, 10am-12:06, 12:20-12:40	
19.62	15.29	LRU	Buenos Aires, Argentina	1:38-2:30, 3-5:30, 7:30-9pm to NA. (11:30pm)	
19.62	15.29	VUD2	Delhi, India	1:30-3:30, 7:30am-12:30, 9:30-	
19.63	15.28	DJQ	Berlin, Germany	12:05-11am. (SA)	
19.64	15.27	WCAB	Philadelphia, Pa.	4-6pm; Sat. 12-6pm; Sun. 3-6pm to	
19.64	15.27	WCBX	New York City, N.Y.	1-3:30pm; Sun. 1-2:30pm to Europe	
19.66	15.26	GSI	London, England	12:57-5am, 11:52am-1:30pm.	
19.68	15.248	TPA2	Paris, France	5-10am.	
19.68S	15.24	YUG	Belgrade, Yugoslavia	8-9pm to N.A.	
19.68S	15.24	YUF	Belgrade, Yugoslavia	7-8pm to S.A.	
19.71S	15.22	PCJ2	Huizen, Holland	Su. 7:40-10:05, Mon/Th. 7:40-9am,	19

05T

HBI

TPB3

TPB4

TP70D

64
3430

19.72	15.21	WPIT	Pittsburgh, Pa.	Tu.3-4:30am, Tu/Fr/Sa 7:40-8:45- am, Wed. 7:40-10:50am. (PCJ)
19.74S	15.20	DJB	Berlin, Germany	8am-3pm to Europe. 12:05-6, 6:30-9, 9:15-9:30am to N.A...NEWS: 6:45, 8:30 & 9:15am.
19.74S	15.20	XGOX	Szechwan, China	8:30-10:45pm to NA...NEWS: 9:50
19.75	15.19	OIE	Lahti, Finland	1:05-4, 9am-5pm. (pm)
19.76	15.18	RV96	Moscow, U.S.S.R.	3-3:45am (English)
19.76	15.18	GSO	London, England	5:42-11:30am to Europe.
19.78	15.17	TGWA	Guatemala, Guatemala	12:45-1:45pm to NA; Sun. 1:45-
19.78S	15.165	LKV	Oslo, Norway	8:50am-5pm. (5:15pm.)
19.79	15.16	JZK	Tokio, Japan	4:30-5:30pm, 8-9pm to NA...NEWS
19.80S	15.155	SBT	Motala, Sweden	1-4:30pm. (8:15p)
19.80	15.15	YDC	Bandoeng, Java	4:30-10:30am; 6-9pm ex.Sat; 10:30pm-2am; Sat. 7pm-2am.
19.82	15.14	GSF	London, England	330-5, 9-11:45am, 3:50-6pm.
19.83	15.13	TPB6	Paris, France	1-4am.
19.83	15.13	WRUW/WRUL	Boston, Mass.	2-5, 8:45-10:30pm, Sa. 5:30-9pm, Su 7-9am. (10am-12noon)
19.84	15.12	CSW4	Lisbon, Portugal	Sun. 1-1:30pm to NA, Tu. 8:30-9, 10 -10:30am, Wed. 4:30-6pm.
19.84S	15.12	HVJ	Vatican City	12:05-2, 10:40am-4:25pm.
19.85S	15.11	DJL	Berlin, Germany	4-5:30, 6-7:25, 7:30-9pm irreg.
19.87	15.10	2R012	Rome, Italy	7-8pm to NA, 8:30-9pm (French)
19.95S	15.04	RKI	Moscow, U.S.S.R.	Intermittently throughout day & 6am-3pm irreg. (night.*
20.08	14.94	PSE	Rio de Janeiro, Brazil	4:50-11pm. *
20.11	14.92	KQH	Kahuku, Hawaii	3:45-4:15, 7-9:30am. *
20.75	14.46	DZH	Berlin, Germany	10am-1, 5-10:30pm. *
21.58	13.90	YNDG	Leon, Nicaragua	5:30-7:20, 7:20-7:35, 7:40-11, 1110 -11:50am, 2-4:20, 4:30-6:20pm. . .
24.02S	12.49	HTLN	Trujillo City, D.R.	NEWS- 6:15, 9am, 5pm. 4-5:30pm; Sun. 4-6pm. *
24.08	12.46	HCJB	Quito, Ecuador	12 mid-3am.
24.53	12.235	TFJ	Reykjavik, Iceland	1-4, 10:15-5:15, 8pm-12:30am to 6-7:45pm (NA...NEWS-8:03, 11:30pm, 3-9, 10-11pm or later. (12:15am
25.00S	12.00	RNE	Moscow, U.S.S.R.	3:30-5am, 1:45-3:30, 6:22-9:15pm. 5-11am, 11pm-1am, Sa. 10pm-Su. 11am.
25.02S	11.99	DJ?	Vienna, Germany	Intermittent throughout day.
25.06S	12.00	CB1180	Santiago, Chile	3-6pm to S.A. starting Jan. 24 to Feb 12
25.10	11.91		Hanoi, F. Indo-China	12:30-1:30pm to NA, 1:40-5:10pm. NEWS- at 1:20pm. *
25.19S	11.91	CD1190	Valdivia, Chile	Feasting early mornings. *
25.20V	11.895	XGOY	Szechwan, China	4-6; Sun. 3-6pm to Europe; 6:30-10 Relays LR6 5-9:20pm. *(pm to SA. 4:10am-2:59pm, 6-7:25, 7:30-9pm to 9am-11:30pm (N.A...NEWS- at 7:30
25.21S	11.895		Moscow, U.S.S.R.	12-1:30am to NA, 7-9:30am, 4:30- 5:30pm...NEWS- at 12:03am.
25.23	11.89	VLR3	Melbourne, Australia	3-5pm. 1100
25.24S	11.885	TP67	Paris, France	6-10:15, 10:30-11:30am, 6:30-7:25, 11:45pm-12:45am...NEWS- 6 and 11a Sun 10am
25.25	11.880	TP43	Paris, France	Neon-1, 6-10pm. * NEWS- 12:30, 7pm
25.27S	11.87	WPIT	Pittsburgh, Pa.	1:15am-12:05pm. (4-4:50pm.)
25.30S	11.86	GSE	London, England	1:30-2:20am to NA, 9:50-10:50am, 10:45am-4:25pm, 4:55-10:50pm to ...NEWS- 6:00, 8:15, 10:30pm (NA.
25.30	11.855	XMHA	Shanghai, China	
25.30	11.855	DJP	Berlin, Germany	
25.32	11.85	HAD	Budapest, Hungary	
25.33S	11.845	TPC8	Paris, France	
25.36N	11.83	VWL3	Perth, W. Australia	
25.36	11.83	WCBX	New York City, N.Y.	
25.37N	11.825	CXA14	COLONIA, URUGUAY	
25.40	11.81	2R04	Rome, Italy	
25.42S	11.80	COGF	Matanzas, Cuba	
25.42S	11.80	JZJ	Tokio, Japan	
25.45S	11.79	WRUL	Boston, Mass.	
25.47S	11.78		Saigon, F. Indo-China	
25.47	11.78	HP5G	Panama City, Panama	
25.47	11.78	OFE	Lahti, Finland	
25.48	11.775	MTCY	Hsinking, Manchoukuo	
25.49S	11.77	DJD	Berlin, Germany	

25

Sun 10am

9-11:59am

64
3430

19.72	15.21	WPIT	Pittsburgh, Pa.	Tu.3-4:30am, Tu/Fr/Sa 7:40-8:45- am, Wed. 7:40-10:50am. (PCJ)
19.74S	15.20	DJB	Berlin, Germany	8am-3pm to Europe. 12:05-6, 6:30-9, 9:15-9:30am to N.A...NEWS: 6:45, 8:30 & 9:15am.
19.74S	15.20	XGOX	Szechwan, China	8:30-10:45pm to NA...NEWS: 9:50
19.75	15.19	OIE	Lahti, Finland	1:05-4, 9am-5pm. (pm)
19.76	15.18	RV96	Moscow, U.S.S.R.	3-3:45am (English)
19.76	15.18	GSO	London, England	5:42-11:30am to Europe.
19.78	15.17	TGWA	Guatemala, Guatemala	12:45-1:45pm to NA; Sun. 1:45-
19.78S	15.165	LKV	Oslo, Norway	8:50am-5pm. (5:15pm.)
19.79	15.16	JZK	Tokio, Japan	4:30-5:30pm, 8-9pm to NA...NEWS
19.80S	15.155	SBT	Motala, Sweden	1-4:30pm. (8:15p)
19.80	15.15	YDC	Bandoeng, Java	4:30-10:30am; 6-9pm ex.Sat; 10:30pm-2am; Sat. 7pm-2am.
19.82	15.14	GSF	London, England	330-5, 9-11:45am, 3:50-6pm.
19.83	15.13	TPB6	Paris, France	1-4am.
19.83	15.13	WRUW/WRUL	Boston, Mass.	2-5, 8:45-10:30pm, Sa. 5:30-9pm, Su 7-9am. (10am-12noon)
19.84	15.12	CSW4	Lisbon, Portugal	Sun. 1-1:30pm to NA, Tu. 8:30-9, 10 -10:30am, Wed. 4:30-6pm.
19.84S	15.12	HVJ	Vatican City	12:05-2, 10:40am-4:25pm.
19.85S	15.11	DJL	Berlin, Germany	4-5:30, 6-7:25, 7:30-9pm irreg.
19.87	15.10	2R012	Rome, Italy	7-8pm to NA, 8:30-9pm (French)
19.95S	15.04	RKI	Moscow, U.S.S.R.	Intermittently throughout day & 6am-3pm irreg. (night.*
20.08	14.94	PSE	Rio de Janeiro, Brazil	4:50-11pm. *
20.11	14.92	KQH	Kahuku, Hawaii	3:45-4:15, 7-9:30am. *
20.75	14.46	DZH	Berlin, Germany	10am-1, 5-10:30pm. *
21.58	13.90	YNDG	Leon, Nicaragua	5:30-7:20, 7:20-7:35, 7:40-11, 1110 -11:50am, 2-4:20, 4:30-6:20pm. . .
24.02S	12.49	H1LN	Trujillo City, D.R.	NEWS- 6:15, 9am, 5pm. 4-5:30pm; Sun. 4-6pm. *
24.08	12.46	HCJB	Quito, Ecuador	12 mid-3am.
24.53	12.235	TFJ	Reykjavik, Iceland	1-4, 10:15-5:15, 8pm-12:30am to 6-7:45pm (NA...NEWS-8:03, 11:30pm, 3-9, 10-11pm or later. (12:15am
25.00S	12.00	RNE	Moscow, U.S.S.R.	3:30-5am, 1:45-3:30, 6:22-9:15pm. 5-11am, 11pm-1am, Sa. 10pm-Su. 11am.
25.02S	11.99	DJ?	Vienna, Germany	Intermittent throughout day.
25.06S	12.00	CB1180	Santiago, Chile	3-6pm to S.A. starting Jan. 24 to Feb 12
25.10	11.91		Hanoi, F. Indo-China	12:30-1:30pm to NA, 1:40-5:10pm. NEWS- at 1:20pm. *
25.19S	11.91	CD1190	Valdivia, Chile	Feasting early mornings. *
25.20V	11.895	XGOY	Szechwan, China	4-6; Sun. 3-6pm to Europe; 6:30-10 Relays LR6 5-9:20pm. *(pm to SA. 4:10am-2:59pm, 6-7:25, 7:30-9pm to 9am-11:30pm (N.A...NEWS- at 7:30
25.21S	11.895		Moscow, U.S.S.R.	12-1:30am to NA, 7-9:30am, 4:30- 5:30pm...NEWS- at 12:03am.
25.23	11.89	VLR3	Melbourne, Australia	3-5pm. 1100
25.24S	11.885	TPB7	Paris, France	6-10:15, 10:30-11:30am, 6:30-7:25, 11:45pm-12:45am...NEWS- 6 and 11a Sun 10am
25.25	11.880	TPA3	Paris, France	Neon-1, 6-10pm. * NEWS- 12:30, 7pm
25.27S	11.87	WPIT	Pittsburgh, Pa.	1:15am-12:05pm. (4-4:50pm.)
25.30S	11.86	GSE	London, England	1:30-2:20am to NA, 9:50-10:50am, 10:45am-4:25pm, 4:55-10:50pm to ...NEWS- 6:00, 8:15, 10:30pm (NA.
25.30	11.855	XMHA	Shanghai, China	
25.30	11.855	DJP	Berlin, Germany	
25.32	11.85	HAD	Budapest, Hungary	
25.33S	11.845	TPC8	Paris, France	
25.36N	11.83	VWL3	Perth, W. Australia	
25.36	11.83	WCBX	New York City, N.Y.	
25.37N	11.825	CXA14	COLONIA, URUGUAY	
25.40	11.81	2R04	Rome, Italy	
25.42S	11.80	COGF	Matanzas, Cuba	
25.42S	11.80	JZJ	Tokio, Japan	
25.45S	11.79	WRUL	Boston, Mass.	
25.47S	11.78		Saigon, F. Indo-China	
25.47	11.78	HP5G	Panama City, Panama	
25.47	11.78	OFE	Lahti, Finland	
25.48	11.775	MTCY	Hsinking, Manchoukuo	
25.49S	11.77	DJD	Berlin, Germany	

11.77 - 9-11:15a.m.

25.51	11.76	XETA	Monterrey, Mexico	Heard at 10:30pm.	*
25.51	11.76	2R015	Rome, Italy	4:30am-12:10pm irreg.	*
25.53S	11.75	GSD	London, England	12:57-5:10:30-11:45, 11:52am-330	
				3:50-6 to NA- 3:50 and 4:45pm.	
25.55S	11.74	CB1174	Santiago, Chile	6-11pm; Sun. 6-10:30pm.	*
25.55	11.74	CR6RC	Luanda, Angola	6:30-7:45am; Tu/W/Sa 3:30-5pm; -	
25.55S	11.74	HVJ	Vatican City	Tues. 10:30-10:45am. (Su. 9:30am.	
25.57	11.735	YUE	Belgrade, Yugoslavia	May transmit to N.A. soon.	*
25.57S	11.735	LKQ	Oslo, Norway	4:30-8:50am; Sun. 2:30-8:50am.	*
25.58S	11.73	WRUW/WRUL	Boston, Mass.	5:30-8:30, 8:45-10:30pm, Su. 2-8	
25.59F	11.725	JVW3	Tokio, Japan	1:15-2:20am. 1:00-7AM (pm	
25.60S	11.72	CJRX	Winnipeg, Canada	4 to as late as 1:30am. 4:30	*
25.60S	11.72	ZP14	Villarica, Paraguay	Mon. thru Fri. 4-8pm; Sa/Su 11am-	
25.60	11.718	TPA4	Paris, France	6-7:45pm, 8pm-12:30am to NA (6p	
25.62S	11.71	YSM	San Salvador, El Salvador	1-2:30, 7:30-9:30pm.	*
25.63S	11.705	SBP	Motala, Sweden	12:57-4:30pm, Su. 3am-4:30pm, Daily	
				8-8:30 to N.A...NEWS- at 8pm	*
25.64S	11.70	HP5A	Panama City, Panama	7-10:40am, 5-10:15pm; Su. 6-10:15	
25.64S	11.70	CB1170	Santiago, Chile	10am-2, 3:30pm-mid.	
25.64F	11.70	IQY	Rome, Italy	5:20-5:40, 1:50-2:30pm Russian, -	
				12:07-12:56pm Arabic; 7:30-9pm	
25.75N	11.65	XGOK	Canton, China	7-8:30am...NEWS- at 7:15. (to NA	
25.77N	11.64		Moscow, U.S.S.R.	6-7am (English), 1-2pm (French).	
26.13N	11.48	CXA7	MONTEVIDEO, URUGUAY	Relays CX26 nightly.	*
26.32	11.402	HBO	Geneva, Switzerland	Tu. 12:45-2:45pm, Fri. 8:45-10:45a	*
27.17	11.04	CSW5	Lisbon, Portugal	12-3:30; Sun. 10am-3:30pm.	
27.27	11.00	PLP	Bandoeng, Java	4:30-10:30am, 6-9, 10:30pm-2am,	
28.30	10.60	ZIK2	Belize, Brit. Honduras	Tu/Th/Sat 1:30-2, 8:30-9pm.	
28.48	10.535	JIB	Taihoku, Taiwan	Relays JFAK 9-9:55am; 4-5am ir.	
28.49	10.53	DZD	Berlin, Germany	Experimental irregular. 4:50-1:05	
28.55	10.40	YSP	San Salvador, El Salvador	1-3, 6:30-11pm.	
29.04	10.33	ORK	Ruyssede, Belgium	1:30-3pm to Belgian Congo.	
29.15	10.29	DZC	Berlin, Germany	3-3:10, 6:30-9pm irreg. *(Sun	
29.24	10.26	PMN	Bandoeng, Java	4:30-11:30am, 6-9, 10:30pm-2am ex	
29.35	10.22	PSH	Rio de Janeiro, Brazil	5:55-7pm; Mon. 8-8:30pm to NA	
29.82	10.07		German Freedom Sender	Near 4:30pm *(Fri. 7-7:30pm.	
29.83	10.065	TIEM	San Jose, C.R.	4:30-8pm.	
30.23	9.925	JDY	Darien, Manchoukuo	7-8am...NEWS- at 7:45am.	*
30.40	9.87		Tananarive, Madagascar	10-11am. (-at 8:40p	
30.45S	9.855	EAQ	Madrid, Spain	6-7:30, 7:45-8:50pm to NA...NEWS	
30.54J	9.825	COCM	Havana, Cuba	8am-12:30am.	
30.55V	9.815	IRF	Rome, Italy	5:20-5:40am, 12-12:25, 1:50-2:30,	
				6-7:25, 7:30-9pm to NA.	
30.67S	9.78	HH3W	Port-au-Prince, Haiti	1-2, 7-9pm; Sun. 1-2, 5-8pm.	*
30.80S	9.74	CSW7	Lisbon, Portugal	4-5:30, 5:45-9pm to NA.	*
30.83F	9.73	CB970	Valparaiso, Chile	7am-11:30pm intermittently.	
30.83N	9.73	HJFK	Pereira, Colombia	7-9am, evenings to 10:30pm.	*
30.92	9.705	HJCF	Bogota, Colombia	Nightly to 9, sometimes to 11pm*	
30.92F	9.705		Fort-de-France, Martinique	6-8:10 or 9:30pm.	
30.95	9.695	JIE3	Tyureki, Taiwan	9:05-10:20am.	
30.96	9.69	TI4NRH	Heredia, Costa Rica	Tu/Th/Sat 9-10pm; Sun. 7-8am.	
30.96S	9.69	GRX	London, England	12:25-5:15, 11:52am-8pm to Eur.	
30.96V	9.69	ZHP	Singapore, S.S.	4:40-9:40am; Wed/Sat 12:40-1:40	
				am; Sun. 5:40-9:40am. (8pm	
30.96S	9.688	LRA1	Buenos Aires, Argen.	9:30am-noon, 4:30-8pm; Sa/Su 6-	
30.98	9.685	TGWA	Gautemala, Guatemala	10-11:30pm ex. Su; Su. 7pm-mid.	
30.99	9.68	XEQQ	Mexico D.F., Mexico	5pm-12:30pm NEWS-8:03, 11:30pm.	
30.99	9.68	TPC23	Paris, France	6-7:45pm, 8pm-12:30am to NA....	
31.01	9.675	DJX	Vienna, Germany	10:40am-4:25pm.	
31.02	9.67	WRCA	New York City, N.Y.	4pm-lam to Latin America.	
31.03S	9.667	2R09	Rome, Italy	12:20-1, 1:19-5:30, 6:16-6:30pm.	
31.06	9.66	LRX	Buenos Aires, Argen.	6-6:45, 9:15am-10pm.	
31.06	9.66	HVJ	Vatican City	Sundays 5-5:30am. (8am-2:30p	
31.09S	9.65	12AA	Addis Abeba, I.E.A.	3:30-5:30am (Su. 2:30-5:30am), -	
31.09	9.65	WCBX	New York City, N.Y.	10:30-11:30pm to Latin America.	

Moscow ->

EQC ->

Sagan ->

CR70E 9.645
VKW2 9.645

25.51	11.76	XETA	Monterrey, Mexico	Heard at 10:30pm.	*
25.51	11.76	2R015	Rome, Italy	4:30am-12:10pm irreg.	*
25.53S	11.75	GSD	London, England	12:57-5:10:30-11:45, 11:52am-330	
				3:50-6 to NA- 3:50 and 4:45pm.	
25.55S	11.74	CB1174	Santiago, Chile	6-11pm; Sun. 6-10:30pm.	*
25.55	11.74	CR6RC	Luanda, Angola	6:30-7:45am; Tu/W/Sa 3:30-5pm; -	
25.55S	11.74	HVJ	Vatican City	Tues. 10:30-10:45am. (Su. 9:30am.	
25.57	11.735	YUE	Belgrade, Yugoslavia	May transmit to N.A. soon.	*
25.57S	11.735	LKQ	Oslo, Norway	4:30-8:50am; Sun. 2:30-8:50am.	*
25.58S	11.73	WRUW/WRUL	Boston, Mass.	5:30-8:30, 8:45-10:30pm, Su. 2-8	
25.59F	11.725	JVW3	Tokio, Japan	1:15-2:20am. 1:00-7AM (pm	
25.60S	11.72	CJRX	Winnipeg, Canada	4 to as late as 1:30am. 4:30	*
25.60S	11.72	ZP14	Villarica, Paraguay	Mon. thru Fri. 4-8pm; Sa/Su 11am-	
25.60	11.718	TPA4	Paris, France	6-7:45pm, 8pm-12:30am to NA (6p	
25.62S	11.71	YSM	San Salvador, El Salvador	1-2:30, 7:30-9:30pm.	*
25.63S	11.705	SBP	Motala, Sweden	12:57-4:30pm, Su. 3am-4:30pm, Daily	
				8-8:30 to N.A...NEWS- at 8pm	*
25.64S	11.70	HP5A	Panama City, Panama	7-10:40am, 5-10:15pm; Su. 6-10:45	
25.64S	11.70	CB1170	Santiago, Chile	10am-2, 3:30pm-mid.	
25.64F	11.70	IQY	Rome, Italy	5:20-5:40, 1:50-2:30pm Russian, -	
				12:07-12:56pm Arabic; 7:30-9pm	
25.75N	11.65	XGOK	Canton, China	7-8:30am...NEWS- at 7:15. (to NA	
25.77N	11.64		Moscow, U.S.S.R.	6-7am (English), 1-2pm (French).	
26.13N	11.48	CXA7	MONTEVIDEO, URUGUAY	Relays CX26 nightly.	*
26.32	11.402	HBO	Geneva, Switzerland	Tu. 12:45-2:45pm, Fri. 8:45-10:45a	*
27.17	11.04	CSW5	Lisbon, Portugal	12-3:30; Sun. 10am-3:30pm.	
27.27	11.00	PLP	Bandoeng, Java	4:30-10:30am, 6-9, 10:30pm-2am,	
28.30	10.60	ZIK2	Belize, Brit. Honduras	Tu/Th/Sat 1:30-2, 8:30-9pm.	
28.48	10.535	JIB	Taihoku, Taiwan	Relays JFAK 9-9:55am; 4-5am ir.	
28.49	10.53	DZD	Berlin, Germany	Experimental irregular. 4:50-1:05	
28.55	10.40	YSP	San Salvador, El Salvador	1-3, 6:30-11pm.	
29.04	10.33	ORK	Ruyssede, Belgium	1:30-3pm to Belgian Congo.	
29.15	10.29	DZC	Berlin, Germany	3-3:10, 6:30-9pm irreg. *(Sun	
29.24	10.26	PMN	Bandoeng, Java	4:30-11:30am, 6-9, 10:30pm-2am ex	
29.35	10.22	PSH	Rio de Janeiro, Brazil	5:55-7pm; Mon. 8-8:30pm to NA	
29.82	10.07		German Freedom Sender	Near 4:30pm *(Fri. 7-7:30pm.	
29.83	10.065	TIEM	San Jose, C.R.	4:30-8pm.	
30.23	9.925	JDY	Darien, Manchoukuo	7-8am...NEWS- at 7:45am.	*
30.40	9.87		Tananarive, Madagascar	10-11am. (-at 8:40p	
30.45S	9.855	EAQ	Madrid, Spain	6-7:30, 7:45-8:50pm to NA...NEWS	
30.54J	9.825	COCM	Havana, Cuba	8am-12:30am.	
30.55V	9.815	IRF	Rome, Italy	5:20-5:40am, 12-12:25, 1:50-2:30,	
				6-7:25, 7:30-9pm to NA.	
30.67S	9.78	HH3W	Port-au-Prince, Haiti	1-2, 7-9pm; Sun. 1-2, 5-8pm.	*
30.80S	9.74	CSW7	Lisbon, Portugal	4-5:30, 5:45-9pm to NA.	*
30.83F	9.73	CB970	Valparaiso, Chile	7am-11:30pm intermittently.	
30.83N	9.73	HJFK	Pereira, Colombia	7-9am, evenings to 10:30pm.	*
30.92	9.705	HJCF	Bogota, Colombia	Nightly to 9, sometimes to 11pm*	
30.92F	9.705		Fort-de-France, Martinique	6-8:10 or 9:30pm.	
30.95	9.695	JIE3	Tyureki, Taiwan	9:05-10:20am.	
30.96	9.69	TI4NRH	Heredia, Costa Rica	Tu/Th/Sat 9-10pm; Sun. 7-8am.	
30.96S	9.69	GRX	London, England	12:25-5:15, 11:52am-8pm to Eur.	
30.96V	9.69	ZHP	Singapore, S.S.	4:40-9:40am; Wed/Sat 12:40-1:40	
				am; Sun. 5:40-9:40am. (8pm	
30.96S	9.688	LRA1	Buenos Aires, Argen.	9:30am-noon, 4:30-8pm; Sa/Su 6-	
30.98	9.685	TGWA	Gautemala, Guatemala	10-11:30pm ex. Su; Su. 7pm-mid.	
30.99	9.68	XEQQ	Mexico D.F., Mexico	5pm-12:30pm NEWS-8:03, 11:30pm.	
30.99	9.68	TPC23	Paris, France	6-7:45pm, 8pm-12:30am to NA....	
31.01	9.675	DJX	Vienna, Germany	10:40am-4:25pm.	
31.02	9.67	WRCA	New York City, N.Y.	4pm-lam to Latin America.	
31.03S	9.667	2R09	Rome, Italy	12:20-1, 1:19-5:30, 6:16-6:30pm.	
31.06	9.66	LRX	Buenos Aires, Argen.	6-6:45, 9:15am-10pm.	
31.06	9.66	HVJ	Vatican City	Sundays 5-5:30am. (8am-2:30p	
31.09S	9.65	12AA	Addis Abeba, I.E.A.	3:30-5:30am (Su. 2:30-5:30am), -	
31.09	9.65	WCBX	New York City, N.Y.	10:30-11:30pm to Latin America.	

Moscow →

EQC →

Sagan →

CR7BE
VKW2

9.645
9.645

31.12	9.64	CXA8	Colonia, Uruguay	5am-10:45pm; Sat. to 1 a.m.
31.14	9.635	KZRH	Manila, Philippines	4-11am...NEWS- at 7:30, 8:45am*
31.14S	9.635	2R03	Rome, Italy	1-2am ir; 12:07-2:59, 6:00-7:30, 7:30-9pm to N.A...NEWS- at 7:30
31.15	9.63	JFO	Taihoku, Taiwan	4-10:30am.
31.17F	9.625	CXA6	Montevideo, Uruguay	10:30am-12:30, 3:30-9:30pm. *
31.17	9.625	HAD	Budapest, Hungary	6-9pm to NA starting Jan.24 *
31.19F	9.62	TIPG	San Jose, C.R.	7-9:30am, 12-2, 6-11:30pm.
31.21F	9.615	ZRL	Capetown, So. Africa	11:45pm-2:50am ex. Sat; 3:30-7:20, 9-11:45am; Su. 3:30-11:45am inter.
31.22S	9.61	DXB	Berlin, Germany	12-2:30, 4-15-4:30, 4:55pm-1am to NA...NEWS- 4:15, 6, 8:15, 10:30pm, 3-7, 7-8pm to NA, (12 mid. 8:30-9:30pm...NEWS- at 7pm. 8-11:30pm or later.
31.25S	9.60	RAN	Moscow, U.S.S.R.	Noon-1:30, 6:30-10:30pm. (7-8am)*
31.25	9.60	CB960	Santiago, Chile	Odd dates 2:30-4:30, 5:30-6pm.
31.27V	9.595	HP5J	Panama City, Panama	Su. 1:40-3, 7:15-8:15, 8:25-9:50pm to NA; Tu. 1:45-3:30, 7-8:30, 8:45-10:15pm to NA; Wed. 7:15-8:15, 8:25-8:40pm to NA; Th. 8-9pm.
31.27	9.595	EIRE	Athlone, Ireland	M/Th/Sa 6:30pm-2am; Wd. 9pm-2am.
31.28S	9.59	PCJ	Huizen, Holland	1:30-3:30, 6:30am-12:30, 9:30-12-9am ex. Su; Su. 12-7:30(11:30p 12:57-1:45am, 11:52am-1:30, 1:30-3:30, 3:50-6, 6:22-9:15, 9:37pm-12:30am...NEWS: 3:50, 4:45, 6:30, 7:30, 9:45, 11pm.
31.28	9.59	WCAB	Philadelphia, Pa.	4:30-6pm ex. Su; Mon. to Fr. 5-9am
31.28	9.59	VUD2	Delhi, India	6-9am, Relays CBS 3pm-1am. *
31.32	9.58	VLR	Melbourne, Australia	11am-4, 4:30-9:30pm.
31.32S	9.58	GSC	Daventry, England	Early AM & 6:30-10:50pm to C.A. 11:30am-1:30pm. (Sa; Sa. 7pm-2am. 4:30-10:30am, 6-9, 10:30pm-2am ex 1:30-3:30, 5-6am, 9:30-10:30pm. 6:15-9:15pm to Latin America. 7:30pm-midnight.
31.35	9.57	KZRM	Manila, Philippines	12:05-2:30am, 4:50-10:50pm.
31.35S	9.57	WBOS	Boston, Mass.	4:35-5:05pm; 8-9pm to NA...NEWS 7-9:30am, 2-4pm. (8pm
31.35	9.57	CXA2	Montevideo, Uruguay	3-6pm to Europe, 6-11:45pm to SA
31.38S	9.56	DJA	Berlin, Germany	12-3, 7am-12 noon to Asia.
31.38	9.556	OAX4T	Lima, Peru	2-4am, 10pm-2am. (am
31.40	9.55	YDB	Soerabaja, Java	5-10am, 11:30pm-1:15am; Su. 5-930
31.40	9.55	VUD2	Bombay, India	5:25-7am.
31.41	9.55	WGEA	Schenectady	5-7am; Sundayss 5:30-7am.
31.41	9.55	XEFT	Veracruz, Mexico	8-9:30, 9:30-11pm to N.A.
31.45	9.54	DJN	Berlin, Germany	Noon-4:30, 7pm-12 mid.
31.47S	9.535	SBU	Motala, Sweden	12:57-3:15, 9-11:45am, 3:50-6, 622
31.47	9.535	ZJI	Tokio, Japan	7-10am ex. Mon. (9:15, 9:37-123
31.48	9.53	WGEO	Schenectady, N.Y.	11:20am-1, 2:20-4:20pm...NEWS- 7:45am-12:30am. (at 4pm.
31.48	9.53	KGEI	San Francisco, Calif.	12:15-5pm. Has anyone heard?
31.48	9.528	VUC2	Calcutta, India	5:30-10am, 6-11pm...NEWS- at 730
31.50	9.525	ZBW3	Hong Kong, Hong Kong	8:30am--1:30pm; 4:30- (am
31.50	9.525	OQ2AA	Leopoldville, Bel. Congo.	9:30pm irreg...NEWS-at 1pm.
31.50	9.523	ZRG	Pretoria, So. Africa	5:30-7am; Sat. 6:30-8:30am; Sun. 5:30-7:30am; Daily 11am-4:30pm.
31.51	9.52	OZF	Skamlebak, Denmark	8:15-10:15pm, ex. Sundays.
31.52	9.517	XEDQ	Guadalajara, Mexico	8am-11pm; Sun. 8am-10pm.
31.55	9.51	GSB	London, England	7-11:30pm.
31.55	9.51	HS8PJ	Bangkok, Thailand	7-10am ex. Mon. (9:15, 9:37-123
31.57S	9.505	YUC	Belgrade, Yugoslavia	7am-12 mid.; Sun. 7am-10:30pm.
31.57	9.503	XEWW	Mexico D.F., Mexico	Mon/Wed. 6:45-8:15, 8:45-10:15pm and Sun. 9-10pm to NA.
31.58	9.50	OFD	Lahti, Finland	Noon-3, and 5pm-12 mid.
31.60S	9.492	KZIB	Manila, Philippines	
31.65S	9.48	VONG	St. John's, Newfoundland	
31.70	9.465	TAP	Ankara, Turkey	
31.77	9.445	HCODA	Guayaquil, Ecuador	
31.78	9.44	COCH	Havana, Cuba	
31.91F	9.40	OAX5C	Ica, Peru	
32.04	9.375	COBC	Havana, Cuba	7am-12 mid.; Sun. 7am-10:30pm.
32.11S	9.345	HBL	Geneva, Switzerland	
32.12	9.34	OAX4J	Lima, Peru	

31.12	9.64	CXA8	Colonia, Uruguay	5am-10:45pm; Sat. to 1 a.m.
31.14	9.635	KZRH	Manila, Philippines	4-11am...NEWS- at 7:30, 8:45am*
31.14S	9.635	2R03	Rome, Italy	1-2am ir; 12:07-2:59, 6:00-7:30, 7:30-9pm to N.A...NEWS- at 7:30
31.15	9.63	JFO	Taihoku, Taiwan	4-10:30am.
31.17F	9.625	CXA6	Montevideo, Uruguay	10:30am-12:30, 3:30-9:30pm. *
31.17	9.625	HAD	Budapest, Hungary	6-9pm to NA starting Jan.24 *
31.19F	9.62	TIPG	San Jose, C.R.	7-9:30am, 12-2, 6-11:30pm.
31.21F	9.615	ZRL	Capetown, So. Africa	11:45pm-2:50am ex. Sat; 3:30-7:20, 9-11:45am; Su. 3:30-11:45am inter.
31.22S	9.61	DXB	Berlin, Germany	12-2:30, 4:15-4:30, 4:55pm-1am to NA...NEWS- 4:15, 6, 8:15, 10:30pm, 3-7, 7-8pm to NA, (12 mid. 8:30-9:30pm...NEWS- at 7pm. 8-11:30pm or later.
31.25S	9.60	RAN	Moscow, U.S.S.R.	12-2:30, 4:15-4:30, 4:55pm-1am to NA...NEWS- 4:15, 6, 8:15, 10:30pm, 3-7, 7-8pm to NA, (12 mid. 8:30-9:30pm...NEWS- at 7pm. 8-11:30pm or later.
31.25	9.60	CB960	Santiago, Chile	8-11:30pm or later.
31.27V	9.595	HP5J	Panama City, Panama	Noon-1:30, 6:30-10:30pm. (7-8am)*
31.27	9.595	EIRE	Athlone, Ireland	Odd dates 2:30-4:30, 5:30-6pm.
31.28S	9.59	PCJ	Huizen, Holland	Su. 1:40-3, 7:15-8:15, 8:25-9:50pm to NA; Tu. 1:45-3:30, 7-8:30, 8:45-10:15pm to NA; Wed. 7:15-8:15, 8:25-8:40pm to NA; Th. 8-9pm.
31.28	9.59	WCAB	Philadelphia, Pa.	M/Th/Sa 6:30pm-2am; Wd. 9pm-2am.
31.28	9.59	VUD2	Delhi, India	1:30-3:30, 6:30am-12:30, 9:30-12-9am ex. Su; Su. 12-7:30(11:30p
31.32	9.58	VLR	Melbourne, Australia	12:57-1:45am, 11:52am-1:30, 1:30-3:30, 3:50-6, 6:22-9:15, 9:37pm-12:30am...NEWS: 3:50, 4:45, 6:30, 7:30, 9:45, 11pm.
31.32S	9.58	GSC	Daventry, England	4:30-6pm ex. Su; Mon. to Fr. 5-9am 6-9am, Relays CBS 3pm-1am. *
31.35	9.57	KZRM	Manila, Philippines	11am-4, 4:30-9:30pm.
31.35S	9.57	WBOS	Boston, Mass.	Early AM & 6:30-10:50pm to C.A.
31.35	9.57	CXA2	Montevideo, Uruguay	11:30am-1:30pm. (Sa; Sa. 7pm-2am.
31.38S	9.56	DJA	Berlin, Germany	4:30-10:30am, 6-9, 10:30pm-2am ex
31.38	9.556	OAX4T	Lima, Peru	1:30-3:30, 5-6am, 9:30-10:30pm.
31.40	9.55	YDB	Soerabaja, Java	6:15-9:15pm to Latin America.
31.40	9.55	VUD2	Bombay, India	7:30pm-midnight.
31.41	9.55	WGEA	Schenectady	12:05-2:30am, 4:50-10:50pm.
31.41	9.55	XEFT	Veracruz, Mexico	4:35-5:05pm; 8-9pm to NA...NEWS
31.45	9.54	DJN	Berlin, Germany	7-9:30am, 2-4pm. (8pm
31.47S	9.535	SBU	Motala, Sweden	3-6pm to Europe, 6-11:45pm to SA
31.47	9.535	ZJI	Tokio, Japan	12-3, 7am-12 noon to Asia.
31.48	9.53	WGEO	Schenectady, N.Y.	2-4am, 10pm-2am. (am
31.48	9.53	KGEI	San Francisco, Calif.	5-10am, 11:30pm-1:15am; Su. 5-930
31.48	9.528	VUC2	Calcutta, India	5:25-7am.
31.50	9.525	ZBW3	Hong Kong, Hong Kong	5-7am; Sundayss 5:30-7am.
31.50	9.525	OQ2AA	Leopoldville, Bel. Congo.	8-9:30, 9:30-11pm to N.A.
31.50	9.523	ZRG	Pretoria, So. Africa	Noon-4:30, 7pm-12 mid.
31.51	9.52	OZF	Skamlebak, Denmark	12:57-3:15, 9-11:45am, 3:50-6, 622
31.52	9.517	XEDQ	Guadalajara, Mexico	7-10am ex. Mon. (9:15, 9:37-123
31.55	9.51	GSB	London, England	11:20am-1, 2:20-4:20pm...NEWS-
31.55	9.51	HS8PJ	Bangkok, Thailand	7:45am-12:30am. (at 4pm.
31.57S	9.505	YUC	Belgrade, Yugoslavia	12:15-5pm. Has anyone heard?
31.57	9.503	XEWW	Mexico D.F., Mexico	5:30-10am, 6-11pm...NEWS- at 730
31.58	9.50	OFD	Lahti, Finland	8:30am--1:30pm; 4:30- (am
31.60S	9.492	KZIB	Manila, Philippines	9:30pm irreg...NEWS-at 1pm.
31.65S	9.48	VONG	St. John's, Newfoundland	5:30-7am; Sat. 6:30-8:30am; Sun. 5:30-7:30am; Daily 11am-4:30pm.
31.70	9.465	TAP	Ankara, Turkey	8:15-10:15pm, ex. Sundays.
31.77	9.445	HCODA	Guayaquil, Ecuador	8am-11pm; Sun. 8am-10pm.
31.78	9.44	COCH	Havana, Cuba	7-11:30pm.
31.91F	9.40	OAX5C	Ica, Peru	7am-12 mid.; Sun. 7am-10:30pm.
32.04	9.375	COBC	Havana, Cuba	Mon/Wed. 6:45-8:15, 8:45-10:15pm and Sun. 9-10pm to NA.
32.11S	9.345	HBL	Geneva, Switzerland	Noon-3, and 5pm-12 mid.
32.12	9.34	OAX4J	Lima, Peru	

10	32.28	9.295	HI2G	Trujillo City, D.R.	6:40-8:40, 11:40am-2:10, 3:40-440
	32.29	9.29	LYR	Kaunas, Lithuania	Irreg. at present. (pm)
	32.54S	9.234		Bucharest, Roumania	12:02-5pm. *
	32.61	9.20		Sofia, Bulgaria	Near 1:45am and Sun. at 8:15am.
	32.61JF	9.200	COCX	Havana, Cuba	8am-12 midnight. *
	32.64	9.19	HC2ET	Guayaquil, Ecuador	8-10pm; Sun. 8:30-10:30pm.
	32.74V	9.175	HCLGQ	Quito, Ecuador	Mon/Wed/Sat 9-11:55pm. 10:30pm
	32.81J	9.135	HC2CW	Guayaquil, Ecuador	11am-1, 7-11pm.
	32.95S	9.125	HAT4	Budapest, Hungary	7-8:30pm; Sat. 6-7:30pm. *
	33.13V	9.035	COBZ	Havana, Cuba	7:42am-1am; Sun. 7:42am-mid.
	33.48	8.96	TPZ2	Algiers, Algeria	Tuesdays 12:30-1:30pm.
	33.52	8.96	COKG	Santiago, Cuba	5-9:50pm.
	33.98J	8.83	COCQ	Havana, Cuba	6:50am-1am.
CNP	34.48V	8.70	COCO	Havana, Cuba	7:50am-12:30am.
	34.62V	8.665	COJK	Camaguey, Cuba	11:30am-12:30, 3:30-6, 8-8:30pm.
	34.97	8.58	YNPR	Managua, Nicaragua	12:45-2:15, 6:45-10:15pm.
	36.59N	8.20	PSK	Rio de Janeiro, Brazil	5:55-7pm. *
	37.50	8.00	HCL1ETC	Quito, Ecuador	Saturdays 8-10:30pm.
1/5815	38.00	7.894	YSD	San Salvador, El Salvador	7-10:30pm.
	38.12	7.87	HCL1RB	Quito, Ecuador	8:30-11:30pm.
	38.20	7.854	HC2JSB	Guayaquil, Ecuador	11am-2, 4-11pm.
	38.25S	7.85	ZAA	Tirana, Albania	6:30-8am (Su. 6:30-8:30am), 12:20-
	39.16	7.66	YNDG	Leon, Nicaragua	8:30-9:30pm ex. Sundays. 330 (5pm)
	39.40	7.614	CR6AA	Lobito, Angola	Mon/Wed/Sat 2:30-4:30pm.
	39.89	7.52	KKH	Kahuku, Hawaii	Sat/Sun 8:30-9pm irreg.
1/92cm	39.89S	7.52	RKI	Moscow, U.S.S.R.	3-6:30pm...4:30-6pm in English.
	40.05	7.49	EAJ43	Tenerife, Canarias	7-8pm.
	40.32	7.44	FG8AH	Pointe-a-Pitre, Guadeloupe	6-7:10pm. Who hears? Sun. 8:00-11:00am
	40.65	7.38	XECR	Mexico D.F., Mexico	Sundays 6-7pm to N.A.
	41.01S	7.31	VIG	Port Moresby, Papua	Jan. 6/Jan. 20, 3-5am.
	41.13	7.295	JTE	Tyureki, Taiwan	9:05-10:20am.
	41.19	7.284	YNLIP	Managua, Nicaragua	Sundays 10-11am.
	41.21	7.28	TPB15	Paris, France 1-4am	10:15am-12:45, 1:30-5pm. 4:15pm.
	41.32	7.26	CSW8	Lisbon, Portugal	Tues/Thurs/Sat 5:05-6pm
	41.32	7.26	OZU	Skamlebak, Denmark	2-5pm.
	41.34	7.257	JVW	Tokio, Japan	2-4pm to Europe (41)
	41.38	7.25	YDA	Bandoeng, Java	10:30pm-2am; Sat. 7:30pm-2am.
	41.49	7.23	GSW	London, England	5:42-11:30am to Europe.
	41.55	7.22	HAD	Budapest, Hungary	9pm-12 mid. to NA (staring Jan.
	41.55	7.22	YDX	Medan, Sumatra	6-10:30am; 10:30pm-2am. -24.
	41.55	7.22	EAJ9	Malaga, Spain	4-6pm. *
	42.25S	7.10	FO8AA	Papeete, Tahiti	Tues/Fri 11pm-12 mid. *
	42.80	7.01	XPSA	Kweiyang, China	5:30-11am, 5-6pm.
	43.80V	6.85	XOJD	Hankow, China	6-8:35am.
	43.82	6.847	YNOP	Managua, Nicaragua	8-9:30pm, Sun. 2-3pm.
	44.05	6.81	HIH	San Pedro, D.R.	7-9:40pm; Sun. 5:20-6:40pm.
	44.12	6.80	PZH	Paramaribo, D. Guiana	Tues/Fri 5:40-8:40pm; Su. 8:40-10:40am; 1st & 3rd Thurs 6:40-6:40-10:40pm. (8:40pm)
	44.38	6.76	YNRF	Managua, Nicaragua	6:40-10:40pm.
	44.38	6.76	HI7P	Trujillo City, D.R.	7:10-8:40pm; Sun. 9:40-10:40pm.
	44.58S	6.73	HI3C	La Romana, D.R.	4:55 to, from 6 to 8pm.
	44.64	6.72	PIH	Bandoeng, Java	4:30-11am; Sun. 8:30pm-1:30am.
	44.84F	6.695	TI1EP	San Jose, C.R.	7pm-12 mid.
	45.06	6.66	HI5G	Trujillo City, D.R.	To 8:40pm.
	45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun. 5:45-7:45 & Tu. 9:15-11:15pm.
	45.25	6.63	HIT	Trujillo City, D.R.	12:10-1:40, 4:40-8:40pm.
	45.29	6.625	PRADO	Riobamba, Ecuador	Thursdays 9-11pm. Who hears?
	45.39	6.61	YNLG	Managua, Nicaragua	1:30-2:30, 6-10:15pm.
	45.70	6.565	HI5P	Puerto Plata, D.R.	5:40-7:40, 9:40-11:40pm.
	45.87	6.54	YN1GG	Managua, Nicaragua	1-2:30, 8-10pm ex. Sundays. (49)
	46.15	6.50	HIL	Trujillo City, D.R.	12:30-2, 6-8pm ex. Sundays.
	46.26	6.485	HILL	Santiago, d.l.c., D.R.	5:30-9:30pm ex. Sundays.
1/20H1	46.55F	6.445	TGWB	Guatemala, Guatemala	7:45-9, 12:45-3:45, 7:30pm-12:15a, Sun. 10:30am-5:15, 7pm-12 mid.
	46.58VF	6.44	COHI	Santa Clara, Cuba	7am-12:15am. *

10	32.28	9.295	HI2G	Trujillo City, D.R.	6:40-8:40, 11:40am-2:10, 3:40-440	
	32.29	9.29	LYR	Kaunas, Lithuania	Irreg. at present.	(pm)
	32.54S	9.234		Bucharest, Roumania	12:02-5pm.	*
	32.61	9.20		Sofia, Bulgaria	Near 1:45am and Sun. at 8:15am.	
	32.61JF	9.200	COCX	Havana, Cuba	8am-12 midnight.	*
	32.64	9.19	HC2ET	Guayaquil, Ecuador	8-10pm; Sun. 8:30-10:30pm.	
	32.74V	9.175	HC1GQ	Quito, Ecuador	Mon/Wed/Sat 9-11:55pm. 10:30pm	
	32.81J	9.135	HC2CW	Guayaquil, Ecuador	11am-1, 7-11pm.	
	32.95S	9.125	HAT4	Budapest, Hungary	7-8:30pm; Sat. 6-7:30pm.	*
	33.13V	9.035	COBZ	Havana, Cuba	7:42am-1am; Sun. 7:42am-mid.	
	33.48	8.96	TPZ2	Algiers, Algeria	Tuesdays 12:30-1:30pm.	
	33.52	8.96	COKG	Santiago, Cuba	5-9:50pm.	
	33.98J	8.83	COCQ	Havana, Cuba	6:50am-1am.	
	34.48V	8.70	COCO	Havana, Cuba	7:50am-12:30am.	
	34.62V	8.665	COJK	Camaguey, Cuba	11:30am-12:30, 3:30-6, 8-8:30pm.	
	34.97	8.58	YNPR	Managua, Nicaragua	12:45-2:15, 6:45-10:15pm.	
	36.59N	8.20	PSK	Rio de Janeiro, Brazil	5:55-7pm.	*
	37.50	8.00	HCL1ETC	Quito, Ecuador	Saturdays 8-10:30pm.	
	38.00	7.894	YSD	San Salvador, El Salvador	7-10:30pm.	
	38.12	7.87	HCL1RB	Quito, Ecuador	8:30-11:30pm.	
	38.20	7.854	HC2JSB	Guayaquil, Ecuador	11am-2, 4-11pm.	
	38.25S	7.85	ZAA	Tirana, Albania	6:30-8am (Su. 6:30-8:30am), 12:20-	
	39.16	7.66	YNDG	Leon, Nicaragua	8:30-9:30pm ex. Sundays. 3:30(5pm)	
	39.40	7.614	CR6AA	Lobito, Angola	Mon/Wed/Sat 2:30-4:30pm.	
	39.89	7.52	KKH	Kahuku, Hawaii	Sat/Sun 8:30-9pm irreg.	
	39.89S	7.52	RKI	Moscow, U.S.S.R.	3-6:30pm...4:30-6pm in English.	
	40.05	7.49	EAJ43	Tenerife, Canarias	7-8pm.	
	40.32	7.44	FG8AH	Pointe-a-Pitre, Guadeloupe	6-7:10pm. Who hears? Sun. 8:00-11:00am	
	40.65	7.38	XECR	Mexico D.F., Mexico	Sundays 6-7pm to N.A.	
	41.01S	7.31	VIG	Port Moresby, Papua	Jan. 6/Jan. 20, 3-5am.	
	41.13	7.295	JTE	Tyureki, Taiwan	9:05-10:20am.	
	41.19	7.284	YNLIP	Managua, Nicaragua	Sundays 10-11am.	
	41.21	7.28	TPB15	Paris, France 1-4am	10:15am-12:45, 1:30-5pm. 4:15pm	
	41.32	7.26	CSW8	Lisbon, Portugal	Tues/Thurs/Sat 5:05-6pm	
	41.32	7.26	OZU	Skamlebak, Denmark	2-5pm.	
	41.34	7.257	JVW	Tokio, Japan	2-4pm to Europe	(41)
	41.38	7.25	YDA	Bandoeng, Java	10:30pm-2am; Sat. 7:30pm-2am.	
	41.49	7.23	GSW	London, England	5:42-11:30am to Europe.	
	41.55	7.22	HAD	Budapest, Hungary	9pm-12 mid. to NA (staring Jan.	
	41.55	7.22	YDX	Medan, Sumatra	6-10:30am; 10:30pm-2am.	-24.
	41.55	7.22	EAJ9	Malaga, Spain	4-6pm.	*
	42.25S	7.10	FO8AA	Papeete, Tahiti	Tues/Fri 11pm-12 mid.	*
	42.80	7.01	XPSA	Kweiyang, China	5:30-11am, 5-6pm.	
	43.80V	6.85	XOJD	Hankow, China	6-8:35am.	
	43.82	6.847	YNOP	Managua, Nicaragua	8-9:30pm, Sun. 2-3pm.	
	44.05	6.81	HIH	San Pedro, D.R.	7-9:40pm; Sun. 5:20-6:40pm.	
	44.12	6.80	PZH	Paramaribo, D. Guiana	Tues/Fri 5:40-8:40pm; Su. 8:40-10:40am; 1st & 3rd Thurs 6:40-6:40-10:40pm. (8:40pm)	
	44.38	6.76	YNRF	Managua, Nicaragua	6:40-10:40pm.	
	44.38	6.76	HI7P	Trujillo City, D.R.	7:10-8:40pm; Sun. 9:40-10:40pm.	
	44.58S	6.73	HI3C	La Romana, D.R.	4:55 to, from 6 to 8pm.	
	44.64	6.72	PIH	Bandoeng, Java	4:30-11am; Sun. 8:30pm-1:30am.	
	44.84F	6.695	TI1EP	San Jose, C.R.	7pm-12 mid.	
	45.06	6.66	HI5G	Trujillo City, D.R.	To 8:40pm.	
	45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun. 5:45-7:45 & Tu. 9:15-11:15pm.	
	45.25	6.63	HIT	Trujillo City, D.R.	12:10-1:40, 4:40-8:40pm.	
	45.29	6.625	PRADO	Riobamba, Ecuador	Thursdays 9-11pm. Who hears?	
	45.39	6.61	YNLG	Managua, Nicaragua	1:30-2:30, 6-10:15pm.	
	45.70	6.565	HI5P	Puerto Plata, D.R.	5:40-7:40, 9:40-11:40pm.	
	45.87	6.54	YN1GG	Managua, Nicaragua	1-2:30, 8-10pm ex. Sundays.	(49)
	46.15	6.50	HIL	Trujillo City, D.R.	12:30-2, 6-8pm ex. Sundays.	
	46.26	6.485	HILL	Santiago, d.l.c., D.R.	5:30-9:30pm ex. Sundays.	
	46.55F	6.445	TGWB	Guatemala, Guatemala	7:45-9, 12:45-3:45, 7:30pm-12:15a, Sun. 10:30am-5:15, 7pm-12 mid.	
	46.58VF	6.44	COHI	Santa Clara, Cuba	7am-12:15am.	*

46.76FV	6.416	HILS	Santiago, D.R.	5:40-7:40pm ex.Sundays.
46.88	6.40	TGQA	Quezaltenango, Guatemala	8-11pm; Sat.8pm-1am, Sun. -
46.97	6.395	HI9B	Santiago, D.R.	4:50-8:45pm. ++ 7:30am-3pm.
46.99	6.384	ZIZ	Basseterre, St. Kitts	4-4:45pm; Wed.7-7:30pm.
47.02	6.38	TIWS	Puntarenas, C.R.	5-7, 7:30-10pm; Sun.5-6pm.
47.17FF	6.376	COCQ	Havana, Cuba	7pm-1am. (pm)
47.22F	6.355	HRP1	San Pedro Sula, Honduras	6-7:30am, 2-4; irreg.to 10
47.28N	6.345	HH3W	Port-au-Prince, Haiti	1-2, 7-9pm; Sun.5-8pm. *
47.32	6.34	HILX	Trujillo City, D.R.	8:10-10:10pm; Sun.7:40-9:40am.
47.36F	6.335	OAX1A	Chiclayo, Peru	8-11pm.
47.39	6.33	COCW	Havana, Cuba	7:55am-12:15am; Sun.9:55am-10pm.
47.51	6.315	HILZ	Trujillo City, D.R.	11:40am-12:40pm; 5:10-7:40pm ex.
47.62V	6.30	OAX4G	Lima, Peru	6-12 mid. (Sun.)
47.78F	6.289	HILG	Trujillo City, D.R.	6:40-8:40, 11:40am-2:10, 3:40-9:40
47.96	6.255	CPL2	La Paz, Bolivia	7-9pm. (pm)
48.04	6.245	HILN	Trujillo City, D.R.	5:10- 9:40pm
48.11	6.235	HRD	La Ceiba, Honduras	8-11pm; Sun.4-6pm.
48.27	6.215		Saigon, F. Indo-China	7:30-9:45am, 11:45pm-1am.
48.39	6.20	CP5	La Paz, Bolivia	6:30-11pm.
48.43	6.195	HI2D	Trujillo City, D.R.	5:10-7:10pm.
48.47	6.193	TG2	Guatemala, Guatemala	7:30-10am, 6-11:30pm, Sa.6pm-3am, Sun.3-8pm. For IDA Sun.2-2:30am.
48.47	6.19	HILA	Santiago, D.R.	10:40am-1:40, 6:40-9:40pm.
48.47S	6.19	HVJ	Vatican City	Su.1-30-2, Mon/Tu/Fr 4-5, Wed/Sat 4-5:30, Thurs 4:30-5pm. Su. 10-11 *
48.51	6.185	TIRCC	San Jose, C.R.	Tu/Thurs/Sat 6-7pm, Sun.8-10pm.
48.54FS	6.18	LRA2	Buenos Aires, Arg.	5-8pm; Sa/Sun.6-8pm.
48.58	6.175	XEXA	Mexico D.F., Mexico	8-11am, 2:30-4, 7:30pm-12:45am.
48.58	6.175	HI4V	S.F.de Macoris, D.R.	5:10-7:40pm; to 10pm irreg.
48.62F	6.17	WCBX	New York City, N.Y.	12 mid. 2am to Latin America.
48.66	6.165	TILS	San Jose, C.R.	Noon-2:30pm, 6-11pm.
48.70	6.160	HJCD	Nueva Grande, Colombia	To 10:30pm; Sat. to 11:40pm.
48.78N	6.15	YSW	SAN SALVADOR, EL SALVADOR	Nightly to approx. 9:15pm* News 10-11
48.78S	6.15	CJRO	Winnipeg, Canada	8:30pm, sometimes to 1:30am.
48.81	6.147	ZTD	Durban, So. Africa	11:20am-3:45pm; Sun.11:30-3:20pm
48.86S	6.14	WPIT	Pittsburgh, Pa.	9-10pm, 11pm-1am irreg. *
48.86	6.14	KZRF	Manila, Philippines	5-9am, Sat.5-10am, Sun.4-10am.
48.86	6.14	OQ2AA	Leopoldville, Bel. Congo	Sundays 5:34-7am.
48.88	6.138	COCD	Havana, Cuba	10am-11pm; Sun.10am-9pm
48.89S	6.137	CR7AA	Lourenco Marques, Mozambique	12-1, 4:30-6:30, 9:30-11 am, 12-4pm; Su.5-7, 10am-1:30pm. *
D → 48.93	6.132	CHNX	Halifax, N.S., Canada	6:45am-11:15pm; Sat.8am-11pm, Su noon-11pm. (Sat. & Sun*
48.94N	6.13	VLW	PERTH, W. AUSTRALIA	Heard 5:30-6:45 & to 7:45am on-
48.94	6.13	VP3GB	Georgetown, B. Guiana	10:15-11:15am, 3:45-7:45pm ex.Su.
48.94	6.13	LKJ	Jeloy, Norway	Noon-6pm irreg.
48.98	6.125	MTCY	Hsinking, Manchoukuo	4-9am.
49.00	6.122	FK8AA	Noumea, New Caledonia	2:30-3:30am ex.Sundays.
49.00V	6.122	HP5H	Panama City, Panama	6-10:30pm; to mid. irreg.
X → 49.04	6.117	XEUZ	Mexico D.F., Mexico	9am-1, 7pm-2am. (6am
49.05	6.116		Saigon, F. Indo-China	12:15-12:45, 6-10:15am... NEWS
49.08	6.112	HI6H	Trujillo City, D.R.	5-8:50pm.
49.10	6.11	GSL	London, England	3:50-6, 6:22-9:15, 9:37pm-12:30am- to NA... NEWS- 3:50, 4:45, 6:30, 7:30, 9:45, and 11pm.
49.14	6.105	HJGAB	Manizales, Colombia	5:30-10pm ex.Sun.(NEWS- at 4pm.
49.18S	6.100	YUA/YUB	Belgrade, Yugoslavia	12:45-2, 11:20am-1, 2:20-4:20pm.
49.18	6.100	WNBI	New York City, N.Y.	8pm mid-lam. to Latin America.
49.18	6.100	ZHZ	Penang, S.S.	6:40-8:40am ex.Sun & Irreg.
49.20	6.097	ZRK	Capetown, So. Africa	12-4pm; Sun. 12-3:30pm.
49.20	6.097	ZRJ	Johannesburg, S. Afr	11:45pm-2 noon inter.ex.Sat.
49.25S	6.09	KZRH	Manila, Philippines	4-11am. *
49.25S	6.09	ZNS2	Nassau, Bahamas	8-9am, 3-4, 7-9pm... NEWS- 8:15am, -
49.25	6.09	XEBF	Jalapa, Mexico	Irreg. in evenings. (7:30pm.
49.32	6.083	VQ7LO	Nairobi, Kenya	5:30-6, 11:15am-2:15pm; Tu/Th 8:15a (-9:15a

46.76FV	6.416	HILS	Santiago, D.R.	5:40-7:40pm ex.Sundays.
46.88	6.40	TGQA	Quezaltenango, Guatemala	8-11pm; Sat.8pm-1am, Sun. -
46.97	6.395	HI9B	Santiago, D.R.	4:50-8:45pm. ++ 7:30am-3pm.
46.99	6.384	ZIZ	Basseterre, St. Kitts	4-4:45pm; Wed.7-7:30pm.
47.02	6.38	TIWS	Puntarenas, C.R.	5-7, 7:30-10pm; Sun.5-6pm.
47.17FF	6.376	COCQ	Havana, Cuba	7pm-1am. (pm
47.22F	6.355	HRP1	San Pedro Sula, Honduras	6-7:30am, 2-4; irreg.to 10
47.28N	6.345	HH3W	Port-au-Prince, Haiti	1-2, 7-9pm; Sun.5-8pm. *
47.32	6.34	HILX	Trujillo City, D.R.	8:10-10:10pm; Sun.7:40-9:40am.
47.36F	6.335	OAX1A	Chiclayo, Peru	8-11pm.
47.39	6.33	COCW	Havana, Cuba	7:55am-12:15am; Sun.9:55am-10pm.
47.51	6.315	HILZ	Trujillo City, D.R.	11:40am-12:40pm; 5:10-7:40pm ex.
47.62V	6.30	OAX4G	Lima, Peru	6-12 mid. (Sun.
47.78F	6.289	HILG	Trujillo City, D.R.	6:40-8:40, 11:40am-2:10, 3:40-9:40
47.96	6.255	CPL2	La Paz, Bolivia	7-9pm. (pm
48.04	6.245	HILN	Trujillo City, D.R.	5:10- 9:40pm
48.11	6.235	HRD	La Ceiba, Honduras	8-11pm; Sun.4-6pm.
48.27	6.215		Saigon, F. Indo-China	7:30-9:45am, 11:45pm-1am.
48.39	6.20	CP5	La Paz, Bolivia	6:30-11pm.
48.43	6.195	HI2D	Trujillo City, D.R.	5:10-7:10pm.
48.47	6.193	TG2	Guatemala, Guatemala	7:30-10am, 6-11:30pm, Sa.6pm-3am, Sun.3-8pm. For IDA Sun.2-2:30am.
48.47	6.19	HILA	Santiago, D.R.	10:40am-1:40, 6:40-9:40pm.
48.47S	6.19	HVJ	Vatican City	Su.1-30-2, Mon/Tu/Tr 4-5, Wed/Sat 4-5:30, Thurs 4:30-5pm. Su. 10-11 *
48.51	6.185	TIRCC	San Jose, C.R.	Tu/Thurs/Sat 6-7pm, Sun.8-10pm.
48.54FS	6.18	LRA2	Buenos Aires, Arg.	5-8pm; Sa/Sun.6-8pm.
48.58	6.175	XEXA	Mexico D.F., Mexico	8-11am, 2:30-4, 7:30pm-12:45am.
48.58	6.175	HI4V	S.F.de Macoris, D.R.	5:10-7:40pm; to 10pm irreg.
48.62F	6.17	WCBX	New York City, N.Y.	12 mid. 2am to Latin America.
48.66	6.165	TILS	San Jose, C.R.	Noon-2:30pm, 6-11pm.
48.70	6.160	HJCD	Nueva Grande, Colombia	To 10:30pm; Sat. to 11:40pm.
48.78N	6.15	YSW	SAN SALVADOR, EL SALVADOR	Nightly to approx. 9:15pm* News 10-11
48.78S	6.15	CJRO	Winnipeg, Canada	8:30pm, sometimes to 1:30am.
48.81	6.147	ZTD	Durban, So. Africa	11:20am-3:45pm; Sun.11:30-3:20pm
48.86S	6.14	WPIT	Pittsburgh, Pa.	9-10pm, 11pm-1am irreg. *
48.86	6.14	KZRF	Manila, Philippines	5-9am, Sat.5-10am, Sun.4-10am.
48.86	6.14	OQ2AA	Leopoldville, Bel. Congo	Sundays 5:34-7am.
48.88	6.138	COCQ	Havana, Cuba	10am-11pm; Sun.10am-9pm
48.89S	6.137	CR7AA	Lourenco Marques, Mozambique	12-1, 4:30-6:30, 9:30-11 am, 12-4pm; Su.5-7, 10am-1:30pm. *
D → 48.93	6.132	CHNX	Halifax, N.S., Canada	6:45am-11:15pm; Sat.8am-11pm, Su noon-11pm. (Sat. & Sun*
48.94N	6.13	VLW	PERTH, W. AUSTRALIA	Heard 5:30-6:45 & to 7:45am on-
48.94	6.13	VP3GB	Georgetown, B. Guiana	10:15-11:15am, 3:45-7:45pm ex.Su.
48.94	6.13	LKJ	Jeloy, Norway	Noon-6pm irreg.
48.98	6.125	MTCY	Hsinking, Manchoukuo	4-9am.
49.00	6.122	FK8AA	Noumea, New Caledonia	2:30-3:30am ex.Sundays.
49.00V	6.122	HP5H	Panama City, Panama	6-10:30pm; to mid. irreg.
X → 49.04	6.117	XEUZ	Mexico D.F., Mexico	9am-1, 7pm-2am. (6am
49.05	6.116		Saigon, F. Indo-China	12:15-12:45, 6-10:15am... NEWS
49.08	6.112	HI6H	Trujillo City, D.R.	5-8:50pm.
49.10	6.11	GSL	London, England	3:50-6, 6:22-9:15, 9:37pm-12:30am- to NA... NEWS- 3:50, 4:45, 6:30, 7:30, 9:45, and 11pm.
49.14	6.105	HJGAB	Manizales, Colombia	5:30-10pm ex.Sun.(NEWS- at 4pm.
49.18S	6.100	YUA/YUB	Belgrade, Yugoslavia	12:45-2, 11:20am-1, 2:20-4:20pm.
49.18	6.100	WNBI	New York City, N.Y.	8pm mid-lam. to Latin America.
49.18	6.100	ZHZ	Penang, S.S.	6:40-8:40am ex.Sun & Irreg.
49.20	6.097	ZRK	Capetown, So. Africa	12-4pm; Sun. 12-3:30pm.
49.20	6.097	ZRJ	Johannesburg, S. Afr	11:45pm-2 noon inter.ex.Sat.
49.25S	6.09	KZRH	Manila, Philippines	4-11am. *
49.25S	6.09	ZNS2	Nassau, Bahamas	8-9am, 3-4, 7-9pm... NEWS- 8:15am, -
49.25	6.09	XEBF	Jalapa, Mexico	Irreg. in evenings. (7:30pm.
49.32	6.083	VQ7LO	Nairobi, Kenya	5:30-6, 11:15am-2:15pm; Tu/Th 8:15a (-9:15a

49.34	6.08	CRY9	Macao, Macao	Mon. 8:30-10am.
49.34	6.08	CKFX	Vancouver, Canada	1-3am ex. Mondays.
49.34	6.08	OAX4Z	Lima, Peru	7am-12 mid.
49.42	6.07	CFRX	Toronto, Canada	7am-12:30am; Sun. 10am-11pm.
49.46	6.065	SBO	Motala, Sweden	4:35-5:05pm.
49.48	6.063		Tananarive, Madagascar	car 12:30-12:45, 10-11am, Su. 2:30-
49.50	6.06	WCAB	Philadelphia, Pa.	Su/Tu/Fr. 6:30-11pm, Wd. 6:30 (4am
49.50	6.06	WLWO	Cincinnati, Ohio	-8:30pm. Su. 8am-6:30pm, M/Th 5:45am-2am, Tu/Wd/Fr 5:45am-5:30pm, Sat. 5:45
49.54	6.056	9MI	^{HJFA} M/V Kanimbla	-11pm, Su/Tu/Wd/Fri 11pm-2am.
49.55F	6.055	HJGADA	Pereira, Colombia	6:45-7:30am irreg.
49.56S	6.05	GSA	London, England	9am-noon, 6:30-10pm.
49.56J	6.05	HP5F	Colon, Panama	12:25-5:15, 11:52am-8pm to Eur.
49.63	6.045	XETW	Tampico, Mexico	7-9pm.
49.67S	6.04	WRUL	Boston, Mass.	7pm-1am.
49.67S	6.04	WDJM	Miami, Florida	5:30-8:30pm ex. Su; Su. 2-8pm.
49.67S	6.04	KZIB	Manila, Philippines	1-3, 9pm-1am.
49.73	6.033	HP5B	Panama City, Panama	5:30-10am, 6-11pm.
49.75	6.03	CFVP	Calgary, Alta., Canada	10:30am-2, 6-10pm.
49.75N	6.03	XEKW	Morelia, Mexico	10am-2am.
49.75S	6.03	RV96	Moscow, U.S.R.	Nightly to 11:40pm.
49.81	6.023	XEUW	Veracruz, Mexico	1-7, 7-9pm to NA, 8-9pm...NEWS-
49.83S	6.02	DJC	Berlin, Germany	10pm-1am.
49.83S	6.02	HI3U	Santiago, D.R.	11:30am-4:25, 9pm-1 ³⁰ at 7pm.
49.86N	6.017	HJCX	Bogota, Colombia	NEWS- at 8:15, 10:30pm-12 mid.
49.92	6.01	PRA8	Pernambuco, Brazil	7:10-8:55, 11:40am-1:40, 4:40-6:40
49.92	6.01	CJCX	Sydney, Nova Scotia	9-11:40pm. *(pm
49.92F	6.01	CFCX	Montreal, Canada	4-9pm.
49.94	6.007	XYZ	Rangoon, Burma	7am-1:30, 4-8:30pm.
49.94	6.007	ZRH	Pretoria, So. Africa	7:45am-1am, Sun. 9am-11:15pm.
49.94F	6.005	XEBT	Mexico City, D.F.	6:30-10am, 9-11pm; Sa. 9:30-11:30pm
50.00S	6.00	HP5K	Colon, Panama	11:45-12:50am ex. Sa; 9:30am-4pm.
50.13	5.985	HH2S	Port-au-Prince, Haiti	Sun. 9:40am-noon, 12:15-3:15pm.
50.21	5.975	OAX4P	Huancayo, Peru	10am-1:45am.
50.25SF	5.975	VONG	St. John's, Newfoundland	7-9am, 11:30am-1, 6-11pm.
50.34	5.96	HILJ	San Pedro, D.R.	6:30-9 or 10pm.
50.50	5.941	PJCL	Curacao, D.W.I.	9-11pm.
50.51	5.94	TG2X	Guatemala, Guatemala	St. John's 4:30-9:30pm. *
50.51	5.94	OAX2A	Trujillo, Peru	11:40am-1:40, 6:10-8:30pm.
50.95	5.90	ZNB	Mafeking, Bechuanaland	6:36-8:36pm; Sun. 10:36am-12:36pm
51.07	5.875	HRN	Tegucigalpa, Honduras	Mon/Thurs 9-11:30pm; Sa. 10pm-12
51.24	5.855	TGX1	Guatemala, Guatemala	Tues/Wed/Sat/Sun 7-10pm. (mid
51.24	5.83	TIGPH	San Jose, Costa Rica	1-2:30pm; 6-7am ex. Sundays.
51.46C	5.83	TIX	San Jose, Costa Rica	6-11pm.
51.50	5.82	TIGPH2	San Jose, Costa Rica	7-10pm.
51.57	5.795	HRK	Tegucigalpa, Honduras	noon-2, 7-11pm ex. Sundays.
52.40	5.725	HCL1P	Quito, Ecuador	Nightly to 11pm.
55.97	5.86	HCK	Quito, Ecuador	Sundays 9-11pm. MON/TUE/THURS 8-10PM
58.31	5.14	PMY	Bandoeng, Java	Evenings irreg.
59.58V	5.035	YV5RN	Caracas, Venezuela	5:30am-noon
59.76	5.02	YV4RQ	Puerto Cabello, Venez.	4-11:30pm; Sun. 8:30-11:30am, 3:30-
59.88	5.01	YV5RM	Caracas, Venezuela	Broadcasting nightly. (11pm 1030pm
60.12	4.99	YV3RX	Barquisimeto, Venez.	3:30-10pm; Sun. 8am-10:30pm.
60.31S	4.975	YV1RJ	Coro, Venezuela	10am-11pm. 930p.m.
60.48	4.96	VUD2	Delhi, India	Signs off at 10pm. 530-10pm.
60.48	4.96	YV5RS	Caracas, Venezuela	7:30am-12:30pm.
60.55F	4.955	YV5RH	Caracas, Venezuela	4:30-9:30pm or later.
60.57V	4.953	YV4RO	Valencia, Venezuela	6:30-7:30, 10:30am-1, 3:30-10pm.
60.73	4.94	YV5RO	Caracas, Venezuela	Noon-1, 6-10pm.
60.85	4.93	YV4RP	Valencia, Venezuela	Signs-off at 10pm.
60.92	4.924	HJAP	Cartagena, Colombia	5-8:30pm. 10p.m.
				9am-1:30, 7-10:15pm Sundays.

49.34	6.08	CRY9	Macao, Macao	Mon. 8:30-10am.
49.34	6.08	CKFX	Vancouver, Canada	1-3am ex. Mondays.
49.34	6.08	OAX4Z	Lima, Peru	7am-12 mid.
49.42	6.07	CFRX	Toronto, Canada	7am-12:30am; Sun. 10am-11pm.
49.46	6.065	SBO	Motala, Sweden	4:35-5:05pm.
49.48	6.063		Tananarive, Madagascar	car 12:30-12:45, 10-11am, Su. 2:30-
49.50	6.06	WCAB	Philadelphia, Pa.	Su/Tu/Fr. 6:30-11pm, Wd. 6:30 (4am
49.50	6.06	WLWO	Cincinnati, Ohio	-8:30pm. Su. 8am-6:30pm, M/Th 5:45am-2am, Tu/Wd/Fr 5:45am-5:30pm, Sat. 5:45
				-11pm, Su/Tu/Wd/Fri 11pm-2am.
49.54	6.056	9MI	M/V Kanimbla	6:45-7:30am irreg.
49.55F	6.055	HJGADA	Pereira, Colombia	9am-noon, 6:30-10pm.
49.56S	6.05	GSA	London, England	12:25-5:15, 11:52am-8pm to Eur.
49.56J	6.05	HP5F	Colon, Panama	7-9pm.
49.63	6.045	XETW	Tampico, Mexico	7pm-1am.
49.67S	6.04	WRUL	Boston, Mass.	5:30-8:30pm ex. Su; Su. 2-8pm.
49.67S	6.04	WDJM	Miami, Florida	1-3, 9pm-1am.
49.67S	6.04	KZIB	Manila, Philippines	5:30-10am, 6-11pm.
49.73	6.033	HP5B	Panama City, Panama	10:30am-2, 6-10pm.
49.75	6.03	CFVP	Calgary, Alta., Canada	10am-2am.
49.75N	6.03	XEKW	Morelia, Mexico	Nightly to 11:40pm.
49.75S	6.03	RV96	Moscow, U.S.R.	1-7, 7-9pm to NA, 8-9pm...NEWS-
49.81	6.023	XEUW	Veracruz, Mexico	10pm-1am.
49.83S	6.02	DJC	Berlin, Germany	11:30am-4:25, 9pm-1am to NA... NEWS- at 8:15, 10:30pm-12 mid.
49.83S	6.02	HI3U	Santiago, D.R.	7:10-8:55, 11:40am-1:40, 4:40-6:40
49.86N	6.017	HJCX	Bogota, Colombia	9-11:40pm. *(pm
49.92	6.01	PRA8	Pernambuco, Brazil	4-9pm.
49.92	6.01	CJCX	Sydney, Nova Scotia	7am-1:30, 4-8:30pm.
49.92F	6.01	CFCX	Montreal, Canada	7:45am-1am, Sun. 9am-11:15pm.
49.94	6.007	XYZ	Rangoon, Burma	6:30-10am, 9-11pm; Sa. 9:30-11:30pm
49.94	6.007	ZRH	Pretoria, So. Africa	11:45-12:50am ex. Sa; 9:30am-4pm. Sun. 9:40am-noon, 12:15-3:15pm.
49.94F	6.005	XEBT	Mexico City, D.F.	10am-1:45am.
50.00S	6.00	HP5K	Colon, Panama	7-9am, 11:30am-1, 6-11pm.
50.13	5.985	HH2S	Port-au-Prince, Haiti	6:30-9 or 10pm.
50.21	5.975	OAX4P	Huancayo, Peru	9-11pm.
50.25SF	5.975	VONG	St. John's, Newfoundland	4:30-9:30pm. *
50.34	5.96	HILJ	San Pedro, D.R.	11:40am-1:40, 6:10-8:30pm.
50.50	5.941	PJCL	Curacao, D.W.I.	6:36-8:36pm; Sun. 10:36am-12:36pm
50.51	5.94	TG2X	Guatemala, Guatemala	Mon/Thurs 9-11:30pm; Sa. 10pm-12
50.51	5.94	OAX2A	Trujillo, Peru	Tues/Wed/Sat/Sun 7-10pm. (mid
50.95	5.90	ZNB	Mafeking, Bechuanaland	1-2:30pm; 6-7am ex. Sundays.
51.07	5.875	HRN	Tegucigalpa, Honduras	6-11pm.
51.24	5.855	TGX1	Guatemala, Guatemala	Nightly to approx. 11:30pm.
51.24	5.83	TIGPH	San Jose, Costa Rica	7-10pm.
51.46C	5.83	TIX	San Jose, Costa Rica	10pm-12 mid.
51.50	5.82	TIGPH2	San Jose, Costa Rica	noon-2, 7-11pm ex. Sundays.
51.57	5.795	HRK	Tegucigalpa, Honduras	Nightly to 11pm.
52.40	5.725	HCL1P	Quito, Ecuador	Sundays 9-11pm. Mon/Tues/Thurs 8-10pm
55.97	5.86	HCK	Quito, Ecuador	Evenings irreg.
58.31	5.14	PMY	Bandoeng, Java	5:30am-noon
59.58V	5.035	YV5RN	Caracas, Venezuela	4-11:30pm; Sun. 8:30-11:30am, 3:30-
59.76	5.02	YV4RQ	Puerto Cabello, Venez.	Broadcasting nightly. (11pm 1030pm
59.88	5.01	YV5RM	Caracas, Venezuela	3:30-10pm; Sun. 8am-10:30pm.
60.12	4.99	YV3RX	Barquisimeto, Venez.	10am-11pm. 930p.m.
60.31S	4.975	YV1RJ	Coro, Venezuela	Signs off at 10pm. 530-10pm.
60.48	4.96	VUD2	Delhi, India	7:30am-12:30pm.
60.48	4.96	YV5RS	Caracas, Venezuela	4:30-9:30pm or later.
60.55F	4.955	YV5RH	Caracas, Venezuela	6:30-7:30, 10:30am-1, 3:30-10pm.
60.57V	4.953	YV4RO	Valencia, Venezuela	Noon-1, 6-10pm.
60.73	4.94	YV5RO	Caracas, Venezuela	Signs-off at 10pm.
60.85	4.93	YV4RP	Valencia, Venezuela	5-8:30pm. 10p.m.
60.92	4.924	HJAP	Cartagena, Colombia	9am-1:30, 7-10:15pm Sundays.

NIAT

1030pm

530-10pm

casts 12-1:30, 7-9:30am, 4:30-5:30pm, and JZK (15.16) broadcasts 4:30-5:30, and 8-9pm to N.A. (Tokio, Kernan, Gilgen, Soplop, Herz, Balbi, CAM)
 MANCHOUKUO JDY (9.925) broadcasts news in English 7:45-8am (*Callan)...
 When concluding transmissions MTCY (11.775), signs-off with Japanese anthem and chimes similar to J stations (Soplop)
 PHILIPPINES KZRH (9.635), "Voice of the Philippines", Manila, broadcasts daily from 4 or 5 to 11am. News in English at 7:30 and 8:45am. "Night Hawks" program 10-11am. Has time signal and 3-tone chimes on the hour. Signs-off with "Star Spangled Banner". (**Schubert, Robinson, Callan, Soplop, Legge, Williams, Voisich, CAM)... KZIB (6.041 and 9.492), owned by I. Beck Inc., P.O. Box 440, Manila, power 1kW, operates 5:30-10am and 6-11pm; News at 8:30am (Robin-
 PITCAIRN VR6AY transmitter is still at Panama awaiting transport-- (son tation back. Pitcairn meanwhile is isolated from the world and it is believed food and medical supplies are running very low (Ama-Touring)
 TAHITI FOSAA (7.1), Papeete, is operating Tues/Fri 11pm-12 mid. (Com. Bul)
 U.S.S.R. RVL5 (4.273), Khabarovsk, is again being heard mornings.

Short-wave List Cont. →		
	60.98	4.92 VUM2 Madras, India 6:30am-noon
	61.10	4.91 YV1RY Coro, Venezuela 6:30-9:30pm ex. Sundays.
	61.16	4.905 HJAG Barranquilla, Colom 11am-11pm; Sun. 11am-8pm.
	61.22	4.90 YV6RT Bolivar, Venezuela Signs-off at 9:30pm. 5:30-9:30pm
	61.29	4.895 HJCH Bogota, Colombia 11:30am-2, 6-11pm.
	61.35	4.89 YV1RX Maracaibo, Venez. 10:30am-1:30, 4:30-10:30pm.
	61.42	4.885 HJDP Medellin, Colombia 8am-2, 6-11pm. 10-30p.m.
	61.48	4.88 YV6RU Ciudad Bolivar, Venezuela
	61.48	4.88 VUB2 Bombay, India 7:30am-12:30pm.
	61.54	4.875 HJ6FAH Armenai, Colombia 8-11am, 6-10pm.
JFK	61.60	4.87 YV2RN San Cristobal, Venez. 11:30am-12:30pm, 6-9pm ex. Sun.
	61.73	4.86 YV1RL Maracaibo, Venez. 11am-1pm, 4:30-10:30pm.
	61.88	4.85 YV1RZ Valera, Venezuela 11:30am-1, 5:45-8:45pm.
	61.98	4.84 VUC2 Calcutta, India 6:30am-noon.
	61.98	4.84 YV4RX Maracay, Venezuela Nightly to 10pm.
SRU	62.05	4.835 HJAE Cartagena, Colombia 7am-6, 7-11pm. 10-30p.m.
	62.17	4.825 HJED Cali, Colombia 7-11pm ex. Sundays.
30pm	62.24	4.82 YV3RN Barquisimeto, Venez 11:30am-1:30, 5:30-9:30pm.
	62.31	4.815 HJBB Cucuta, Colombia Signs-off 11p.m.
	62.38	4.81 YV1RU Maracaibo, Venezuela 10:45am-12:45, 4:30-10:30pm.
	62.44	4.805 HJDU Medellin, Colombia 7-8:50pm.
	62.50N	4.800 VP5PZ KINGSTON, JAMAICA Fridays 5:30-6:30pm.
	62.53	4.798 YV1RV Maracaibo, Venezuela 10:45am-12:45, 4:30-10:30pm.
	62.57	4.795 HJDX Medellin, Colombia 5-10=35p.m.
	62.63	4.79 YV5RY Caracas, Venezuela 5-10=30p.m.
	62.70	4.785 HJAB Barranquilla, Colombia. 5-10p.m.
	62.76	4.78 YV1RO Trujillo, Venezuela (Under construction)
	62.87	4.772 HJGB Bucaramanga, Colombia. 6-10p.m.
	62.89	4.77 YV1RT Maracaibo, Venezuela. 5:30-9:30p.m.
	62.96	4.765 HJFB Manizales, Colombia.
	63.11	4.755 HJEH Buenaventura, Colombia.
	69.93	4.29 COX7 Havana, Cuba Relays CMZ irreg. to 10:30pm.
	70.14	4.273 RVL5 Khabarovsk, USSR 4-10am
ny	73.05	4.107 HCJB2 Quito, Ecuador 7-8:15am, 11:30am-2:30, 2:45-10:15 pm ex. Mondays.
	75.00	4.002 CT2AJ Ponta Delgada, Azores Wed/Sat 5-7pm.
	85.70	3.505 YV5RV La Guaira, Venezuela 7-10=30p.m.
	85.90	3.493 CR7AA Lourenco Marques, Mozambique 12-1, 4:30-6:30, 9:30-11 am, 12-4pm; Su. 5-7, 10am-1:30pm.
	86.20	3.48 YV3RF Acaigua, Venezuela
	87.00	3.45 YV6RC Barcelona, Venezuela
	88.20	3.406 YV5RW Caracas, Venezuela. Heard 8-10pm.
	128.20	2.34 HOA Panama City, Panama 6-10pm.
	129.30	2.32 TGWC Guatemala City, Guatemala 7pm-12 mid. approx.

62

LAST MINUTE: CR7BE (9.64), Radio Club of Mozambique, Box 594, Lourenco Marques, Mozambique, heard 2-4pm. Comes on with tom-toms-woman announcer (Voisich)

casts 12-1:30, 7-9:30am, 4:30-5:30pm, and JZK (15.16) broadcasts 4:30-5:30, and 8-9pm to N.A. (Tokio, Kernan, Gilgen, Soplop, Herz, Balbi, CAM)
 MANCHOUKUO JDY (9.925) broadcasts news in English 7:45-8am (*Callan)...
 When concluding transmissions MTCY (11.775), signs-off with Japanese anthem and chimes similar to J stations (Soplop)
 PHILIPPINES KZRH (9.635), "Voice of the Philippines", Manila, broadcasts daily from 4 or 5 to 11am. News in English at 7:30 and 8:45am. "Night Hawks" program 10-11am. Has time signal and 3-tone chimes on the hour. Signs-off with "Star Spangled Banner". (**Schubert, Robinson, Callan, Soplop, Legge, Williams, Voisich, CAM)... KZIB (6.041 and 9.492), owned by I. Beck Inc., P.O. Box 440, Manila, power 1kW, operates 5:30-10am and 6-11pm; News at 8:30am (Robin-
 PITCAIRN VR6AY transmitter is still at Panama awaiting transport-- (son tation back. Pitcairn meanwhile is isolated from the world and it is believed food and medical supplies are running very low (Ama-Touring)
 TAHITI FOSAA (7.1), Papeete, is operating Tues/Fri 11pm-12 mid. (Com. Bul)
 U.S.S.R. RVL5 (4.273), Khabarovsk, is again being heard mornings.

Short-wave List Cont. →		
	60.98	4.92 VUM2 Madras, India 6:30am-noon
	61.10	4.91 YV1RY Coro, Venezuela 6:30-9:30pm ex. Sundays.
	61.16	4.905 HJAG Barranquilla, Colom 11am-11pm; Sun. 11am-8pm.
	61.22	4.90 YV6RT Bolivar, Venezuela Signs-off at 9:30pm. 5:30-9:30pm
	61.29	4.895 HJCH Bogota, Colombia 11:30am-2, 6-11pm.
	61.35	4.89 YV1RX Maracaibo, Venez. 10:30am-1:30, 4:30-10:30pm.
	61.42	4.885 HJDP Medellin, Colombia 8am-2, 6-11pm. 10-30p.m.
	61.48	4.88 YV6RU Ciudad Bolivar, Venezuela
	61.48	4.88 VUB2 Bombay, India 7:30am-12:30pm.
	61.54	4.875 HJ6FAH Armenai, Colombia 8-11am, 6-10pm.
JFK	61.60	4.87 YV2RN San Cristobal, Venez. 11:30am-12:30pm, 6-9pm ex. Sun.
	61.73	4.86 YV1RL Maracaibo, Venez. 11am-1pm, 4:30-10:30pm.
	61.88	4.85 YV1RZ Valera, Venezuela 11:30am-1, 5:45-8:45pm.
	61.98	4.84 VUC2 Calcutta, India 6:30am-noon.
	61.98	4.84 YV4RX Maracay, Venezuela Nightly to 10pm.
SRU	62.05	4.835 HJAE Cartagena, Colombia 7am-6, 7-11pm. 10-30p.m.
	62.17	4.825 HJED Cali, Colombia 7-11pm ex. Sundays.
30pm	62.24	4.82 YV3RN Barquisimeto, Venez 11:30am-1:30, 5:30-9:30pm.
	62.31	4.815 HJBB Cucuta, Colombia Signs-off 11p.m.
	62.38	4.81 YV1RU Maracaibo, Venezuela 10:45am-12:45, 4:30-10:30pm.
	62.44	4.805 HJDU Medellin, Colombia 7-8:50pm.
	62.50N	4.800 VP5PZ KINGSTON, JAMAICA Fridays 5:30-6:30pm.
	62.53	4.798 YV1RV Maracaibo, Venezuela 10:45am-12:45, 4:30-10:30pm.
	62.57	4.795 HJDX Medellin, Colombia 5-10=35p.m.
	62.63	4.79 YV5RY Caracas, Venezuela 5-10=30p.m.
	62.70	4.785 HJAB Barranquilla, Colombia. 5-10p.m.
	62.76	4.78 YV1RO Trujillo, Venezuela (Under construction)
	62.87	4.772 HJGB Bucaramanga, Colombia. 6-10p.m.
	62.89	4.77 YV1RT Maracaibo, Venezuela. 5:30-9:30p.m.
	62.96	4.765 HJFB Manizales, Colombia.
	63.11	4.755 HJEH Buenaventura, Colombia.
	69.93	4.29 COX7 Havana, Cuba Relays CMZ irreg. to 10:30pm.
	70.14	4.273 RVL5 Khabarovsk, USSR 4-10am
ny	73.05	4.107 HCJB2 Quito, Ecuador 7-8:15am, 11:30am-2:30, 2:45-10:15 pm ex. Mondays.
	75.00	4.002 CT2AJ Ponta Delgada, Azores Wed/Sat 5-7pm.
	85.70	3.505 YV5RV La Guaira, Venezuela 7-10=30p.m.
	85.90	3.493 CR7AA Lourenco Marques, Mozambique 12-1, 4:30-6:30, 9:30-11 am, 12-4pm; Su. 5-7, 10am-1:30pm.
	86.20	3.48 YV3RF Acaigua, Venezuela
	87.00	3.45 YV6RC Barcelona, Venezuela
	88.20	3.406 YV5RW Caracas, Venezuela. Heard 8-10pm.
	128.20	2.34 HOA Panama City, Panama 6-10pm.
	129.30	2.32 TGWC Guatemala City, Guatemala 7pm-12 mid. approx.

62

LAST MINUTE: CR7BE (9.64), Radio Club of Mozambique, Box 594, Lourenco Marques, Mozambique, heard 2-4pm. Comes on with tom-toms-woman announcer (Voisich)

MEMBER

DX COLLECTOR OF IDA 100 CLUB

Subscription price \$1.25 per year anywhere.

MEMBER BOB HETZEL
OF MILWAUKEE, WIS.
Dx'ers Alliance

International

Published Monthly Excepting July



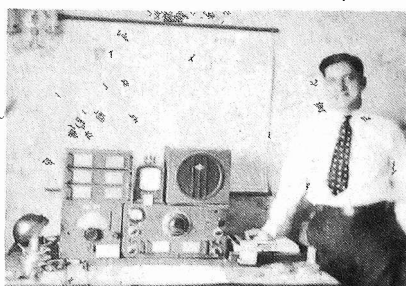
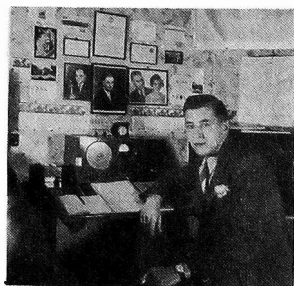
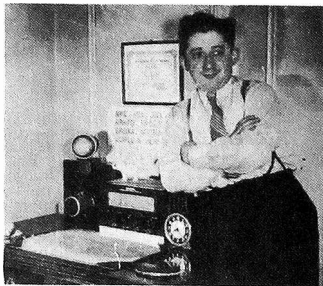
BLOOMINGTON ILLINOIS, U. S. A.

CHARLES A. MORRISON
EDITOR

Volume 8

January, 1940

Number 1



LEO HERZ OF CHICAGO

RON BAKER OF LONDON

FRANK ANZALONE OF CHICAGO

— EDITORIAL —

With this, the 78th consecutive issue, the Globe Circler celebrates its 7th Birthday and enters the 8th year of publication. We thank you for your kind and loyal support in the past and trust we may continue to merit your cooperation in the future. May this year be one of increasing joy and success to each of you and ere another year rolls around may peace again reign through out this little old world of ours.

— NEW MEMBERS —

H. Guilbaud, Oinville, FRANCE... C.W. Funkhouser, Riverside, California....
Manuel Gonzalez, Chicago, Illinois...
Prof. H.H. Arnold, State College, Penna.
... Caesar Gonzalez, New York City, NY.
... Ed. Cartwright, Santa Fe, New Mexico
... Milton Wajar, Chicago, Illinois....
Joseph B. Seiler, Chicago, Illinois....
J.P. Michalski, Jr., Chicago, Illinois.

— IDA EXCHANGE CORNER —

John Jenkins Jr., 423 Hill Ave, Glen Ellyn, Ill (exchange letters & snapshots 100%)... D.E. Dyer, 12 Greystoke Park Terrace, Eating, London, W5, England (Is 21 and keen on dancing and motor ing. Would like pen pal)... Cyril Hart 47 Sydney Road, West Wimbledon, London S.W.20, England (would like pen pal who is interested in speedway-racing)
... John B. Donnellan, 8 Monaghan St., Newry, Eire (Hobbies are radio, collecting, aviation. Would like pen pal in New York, of about 17 years or old er).

— CHAPTERS —

BETA (N.Y.C. area)- Next meeting will be on Sat., Jan. 20 at the home of M. Buitekant, 2945 Brighton 8th Street, Brooklyn, N.Y. All dx'ers invited.

DELTA (Lansing)- A fair attendance was present at the December meeting at home of H. Eck. The January meeting will be Friday evening, Jan. 5. J. DeMyer reports the following 9-10pm: TIGPH (605), TIPG (625), YSS (638), YV5RQ (882)

LAND OF 10,000 LAKES (Minneapolis) 13 attended a fine meeting on Dec. 10, at the Eder's in Willmar. Dist. Mgrs. were appointed to start a drive for new members. A monthly dx sheet, the DX Shuttle will be published. Next meeting will be Jan. 13, 8:30pm, at home of Richard Brian, 2747 Russell Avenue N., Minneapolis. All dx'ers invited.

REGINA IDA SOCIAL CLUB (Regina)-The whole gang will get together on Sat., Jan. 6, 1940, at home of J.C. Hodges, for a real turkey dinner with the trimmings.

SO. CALIF. (Los Angeles area)... Well attended meetings are held on the last Sat. nite in each month. The next will be on Jan. 27. Full particulars can be had from Hal Clein of 1427 Maltman Ave., Los Angeles.

WINDY CITY (Chicagoland) The December meeting was well attended including Chas. Morrison, as guest. Three new members were enrolled. Next meeting on Jan. 10, at 8pm, at YMCA, 19 S. La Salle St., Chicago. Feb. meeting will be on Feb. 14, at same place. Full particulars about the chapter can be gotten from C. Trezise, 7638 Lafayeete, Chicago.

MEMBER

DX COLLECTOR OF IDA 100 CLUB

Subscription price \$1.25 per year anywhere.

MEMBER BOB HETZEL
OF MILWAUKEE, WIS.
Dx'ers Alliance

International

Published Monthly Excepting July



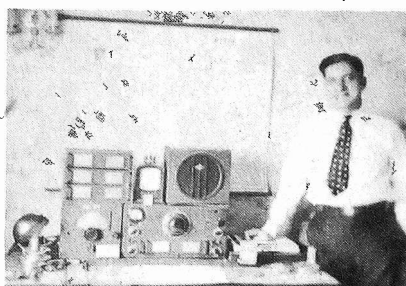
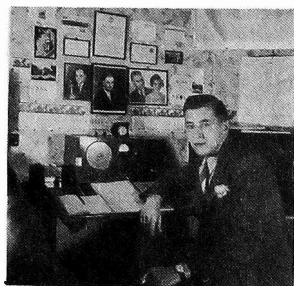
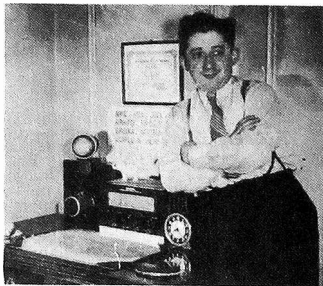
BLOOMINGTON ILLINOIS, U. S. A.

CHARLES A. MORRISON
EDITOR

Volume 8

January, 1940

Number 1



LEO HERZ OF CHICAGO

RON BAKER OF LONDON

FRANK ANZALONE OF CHICAGO

— EDITORIAL —

With this, the 78th consecutive issue, the Globe Circler celebrates its 7th Birthday and enters the 8th year of publication. We thank you for your kind and loyal support in the past and trust we may continue to merit your cooperation in the future. May this year be one of increasing joy and success to each of you and ere another year rolls around may peace again reign through out this little old world of ours.

— NEW MEMBERS —

H. Guilbaud, Oinville, FRANCE... C.W. Funkhouser, Riverside, California....
Manuel Gonzalez, Chicago, Illinois...
Prof. H.H. Arnold, State College, Penna.
... Caesar Gonzalez, New York City, NY.
... Ed. Cartwright, Santa Fe, New Mexico
... Milton Wajar, Chicago, Illinois....
Joseph B. Seiler, Chicago, Illinois....
J.P. Michalski, Jr., Chicago, Illinois.

— IDA EXCHANGE CORNER —

John Jenkins Jr., 423 Hill Ave, Glen Ellyn, Ill (exchange letters & snapshots 100%)... D.E. Dyer, 12 Greystoke Park Terrace, Eating, London, W5, England (Is 21 and keen on dancing and motor ing. Would like pen pal)... Cyril Hart 47 Sydney Road, West Wimbledon, London S.W.20, England (would like pen pal who is interested in speedway-racing)
... John B. Donnellan, 8 Monaghan St., Newry, Eire (Hobbies are radio, collecting, aviation. Would like pen pal in New York, of about 17 years or old er).

— CHAPTERS —

BETA (N.Y.C. area)- Next meeting will be on Sat., Jan. 20 at the home of M. Buitekant, 2945 Brighton 8th Street, Brooklyn, N.Y. All dx'ers invited.

DELTA (Lansing)- A fair attendance was present at the December meeting at home of H. Eck. The January meeting will be Friday evening, Jan. 5. J. DeMyer reports the following 9-10pm: TIGPH (605), TIPG (625), YSS (638), YV5RQ (882)

LAND OF 10,000 LAKES (Minneapolis) 13 attended a fine meeting on Dec. 10, at the Eder's in Willmar. Dist. Mgrs. were appointed to start a drive for new members. A monthly dx sheet, the DX Shuttle will be published. Next meeting will be Jan. 13, 8:30pm, at home of Richard Brian, 2747 Russell Avenue N., Minneapolis. All dx'ers invited.

REGINA IDA SOCIAL CLUB (Regina)-The whole gang will get together on Sat., Jan. 6, 1940, at home of J.C. Hodges, for a real turkey dinner with the trimmings.

SO. CALIF. (Los Angeles area)... Well attended meetings are held on the last Sat. nite in each month. The next will be on Jan. 27. Full particulars can be had from Hal Clein of 1427 Maltman Ave., Los Angeles.

WINDY CITY (Chicagoland) The December meeting was well attended including Chas. Morrison, as guest. Three new members were enrolled. Next meeting on Jan. 10, at 8pm, at YMCA, 19 S. La Salle St., Chicago. Feb. meeting will be on Feb. 14, at same place. Full particulars about the chapter can be gotten from C. Trezise, 7638 Lafayeete, Chicago.

BROADCAST STATION NOTES AND DX TIPS

ALASKA KFAR (610), Fairbanks, went on air Nov. 14... KGBU (900), Ketchikan, power 1000 watts, can often be heard near sign-off at 3:30 a.m. EST. Correct reception reports are promptly verified (Saling, Ore.)

AUSTRALIA Recent frequency changes: 2XL to 920; 2BH to 570; 3UL to 880; 4VL to 920; 4GR to 860; 4MB to 1000; 4AY to 970; 5MU to 1460; 7UV to 900 kc.

COLOMBIA HJ3CAZ (1040), "La Voz de Colombia," Aptdo 26-25, Bogota, operates 10:30am-2,5:30-11:30pm; Sun. 12-1:30, 6-11pm. Sometimes heard between 10 and 11pm EST; verifies promptly (Parfitt-NNRC)

COSTA RICA TIGPH (605), TIPG (625) and TIOS (937), are all heard frequently between 7:30 and 9 p.m. EST (DeMyer, Siringer)

CUBA **NEW OFFICIAL HAVANA FREQUENCIES:**

	CMW	550	CMCY	590
<u>CMCD</u> 630	<u>CMQ</u> 690	<u>CMK</u> 720	<u>CMBL</u> 750	<u>CMBC</u> 780
<u>CMCM</u> 850	<u>CMX</u> 880	<u>CMZ</u> 920	<u>CMCK</u> 970	<u>CMBZ</u> 1010
<u>CMBX</u> 1050	<u>CMCG</u> 1080	<u>CMCU</u> 1110	<u>CMBQ</u> 1150	<u>CMCO</u> 1210
<u>CMCB</u> 1250	<u>CMBS</u> 1250	<u>CMBF</u> 1290	<u>CMBD</u> 1290	<u>CMCA</u> 1350
<u>CMCQ</u> 1410	<u>CMBY</u> 1410	<u>CMCX</u> 1470	<u>CMBG</u> 1470	<u>CMOX</u> 1510
<u>CMCJ</u> 1560	<u>CMCR</u> 1560	<u>CMBH</u> 1580		<u>CMCW</u> 1510

All stations in the interior use their former frequencies except CMGH now on 710 and CMKW now on 1030 (Radio Guia)

ENGLAND Dx during the black-outs: "CBA heard R6 11pm-1:10am GMT; WTIC and WLW heard R6 at 12:50am; KENT (910) heard R6. Not a whisper from our former TA locals WTAM, WCAU, WGY, KDKA and WBZ" (Burton-London)

HAWAII Any dx'er wanting a QSL from KHBC (1400) should go after it at once as it will soon shift to 1200 kcs., a badly blocked channel (K6RRA-TH)

ITALY New 5kW stations have been opened as follows: at Venice (1492), and Verona (1492), and at San Remo (1348) (Radiocorriere)

MEXICO **NEW:** XEXD (1340), Orizaba, 350w; KEAJ (1230), Morelia, 100w; Change in frequency: XESM, Mexico D.F., 200w, to 1400; XERC (860), Mexico D.F., 500w, to 860; XELO, Tijuana, 10000w, to 660 kcs. (Com. Bul.)... A new station XEY (1440), power 200w, at San Luis, Sonora, is being heard nightly (Saunders-Calif)... XEW (890), Mexico D.F., 100kW, carries the NBC Symphony Orchestra concerts, Saturday nights starting at 10 p.m. EST (NBC)

NEWFOUNDLAND. VONF (640), St. John's, 10kW, operates daily ex. Sundays, 8:30am 1:30, and 4:30-9:30pm EST. Relays news from London nightly at 7:30pm EST. The studios are on the top floor of the Newfoundland Hotel. VONF verifies, and reports should be sent to A.N. House, Broadcasting Corp. of Newfoundland, P.O. Box No. 5372, St. John's, Newfoundland... VONF (1195), VOGY (840), VOAS (940), are all dismantled and permanently off the air (Broadcasting Corp. of Nfld.)

NEW ZEALAND "LYA (650) is best heard from 5 to 6:45 a.m. with peak signals at 6 a.m. EST. The news in English is given at 6:30am" (Schubert-Iowa)

P.R. "WNEL (1290), San Juan, 1kW, was heard to announce, they would put on a special dx program on Sat. Jan. 13, at 3:15 to 4:15am, just preceding the station's regular F.C.C. check at 4:15-4:30am on same morning" (Schubert)

ROUMANIA "Radio Bucaresti" (160 kcs.), 150kW, and Bucharest on 823kc, operate daily from 2:02 to 7 p.m. EST (Sun. from 1:17 p.m.) (Egyptian Radio). The news in English is broadcast Tues/Thurs/Sat at 6:45 p.m. EST.

U.S.A. **NEW** (Construction permits): KORN (1370), Fremont, Nebr., 100/250w; ... WFTM (1210), Ft. Myers, Fla., 100/250w; ... WHOP (1200), Hopkinsville, Ky, 250w; ... WHTR (1370), Spartanburg, S.C., 100/250w... WKIP (1420), Poughkeepsie, N.Y., 250w... WMJM (1500), Cordele, Ga., 100/250w... WMTG (1200), Saginaw, Mich., 100/250w... WOLF (1500), Syracuse, N.Y., 100w... WSLB (1370), Ogdensburg, N.Y., 250w... WOV (1100), N.Y.C., 5000w, to replace WBIL and WPG... KMYR (1310), Denver, Colo., 100/250w... WAOV (1420), Vincennes, Ind., 100w... WATW (1370), Ashland, Wisc., 100w... WPJF (1310), Herrin, Ill., 100/250w... **CALLS:** WBEO, Marquette, Mich. to WDMJ... WALR, Zanesville, Ohio, to WHIZ... WMLG, Saginaw, Mich. to WSAM... WMFO, Decatur, Ala. to WMSL... WPIV, Petersburg, Va. to WPID... **FREQUENCY CHANGES:** -KEX, Portland, Ore. to 1160... KRRV, Sherman, Tex. to 880... KFPW, St. Smith, Ark. to 1370... **DELETIONS:** KWTN (1210), Watertown, S.D... WAKR (1530), Akron, Ohio... WJFF (1310), Herrin, Ill... **POWER:** KFEL (920), Denver, to 1kW... KHQ (590), Spokane, to 5kW... KVOD (630), Denver to 1kW... WBG (1440), Greensboro, N.C. to 1-5kW... KERC (610), San Francisco, to 5kW... KRSC (1120), Seattle, to 1kW... WQXR (1550), N.Y.C. to 5kW... KFDM to 1kW... KFPY to 5kW... KGIR to 5kW... KLO to 5kW... KQV to 1kW... KRKD to 1-2kW... KTUL to 5kW... WCHS to 500w-5kW... WDEL to 250w-1kW WIRE to 5kW... WKST to 1kW... WNBC to 1kW... WOW to 5kW... (FCC, Callan)

BROADCAST STATION NOTES AND DX TIPS

ALASKA KFAR (610), Fairbanks, went on air Nov. 14... KGBU (900), Ketchikan, power 1000 watts, can often be heard near sign-off at 3:30 a.m. EST. Correct reception reports are promptly verified (Saling, Ore.)

AUSTRALIA Recent frequency changes: 2XL to 920; 2BH to 570; 3UL to 880; 4VL to 920; 4GR to 860; 4MB to 1000; 4AY to 970; 5MU to 1460; 7UV to 900 kc.

COLOMBIA HJ3CAZ (1040), "La Voz de Colombia," Aptdo 26-25, Bogota, operates 10:30am-2,5:30-11:30pm; Sun. 12-1:30, 6-11pm. Sometimes heard between 10 and 11pm EST; verifies promptly (Parfitt-NNRC)

COSTA RICA TIGPH (605), TIPG (625) and TIOS (937), are all heard frequently between 7:30 and 9 p.m. EST (DeMyer, Siringer)

CUBA NEW OFFICIAL HAVANA FREQUENCIES:

	CMW	550	CMCY	590
<u>CMCD</u> 630	<u>CMQ</u> 690	<u>CMK</u> 720	<u>CMBL</u> 750	<u>CMBC</u> 780
<u>CMCM</u> 850	<u>CMX</u> 880	<u>CMZ</u> 920	<u>CMCK</u> 970	<u>CMBZ</u> 1010
<u>CMBX</u> 1050	<u>CMCG</u> 1080	<u>CMCU</u> 1110	<u>CMBQ</u> 1150	<u>CMCO</u> 1210
<u>CMCB</u> 1250	<u>CMBS</u> 1250	<u>CMBF</u> 1290	<u>CMBD</u> 1290	<u>CMCA</u> 1350
<u>CMCQ</u> 1410	<u>CMBY</u> 1410	<u>CMCX</u> 1470	<u>CMBG</u> 1470	<u>CMOX</u> 1510
<u>CMCJ</u> 1560	<u>CMCR</u> 1560	<u>CMBH</u> 1580		<u>CMCF</u> 810
				<u>CMCH</u> 1050
				<u>CMOA</u> 1210
				<u>CMC</u> 1350
				<u>CMCW</u> 1510

All stations in the interior use their former frequencies except CMGH now on 710 and CMKW now on 1030 (Radio Guia)

ENGLAND Dx during the black-outs: "CBA heard R6 11pm-1:10am GMT; WTIC and WLW heard R6 at 12:50am; KENT (910) heard R6. Not a whisper from our former TA locals WTAM, WCAU, WGY, KDKA and WBZ" (Burton-London)

HAWAII Any dx'er wanting a QSL from KHBC (1400) should go after it at once as it will soon shift to 1200 kcs., a badly blocked channel (K6RRA-TH)

ITALY New 5kW stations have been opened as follows: at Venice (1492), and Verona (1492), and at San Remo (1348) (Radiocorriere)

MEXICO NEW: XEKD (1340), Orizaba, 350w; KEAJ (1230), Morelia, 100w; Change in frequency: XESM, Mexico D.F., 200w, to 1400; XERC (860), Mexico D.F., 500w, to 860; XELO, Tijuana, 10000w, to 660 kcs. (Com. Bul.)... A new station XEY (1440), power 200w, at San Luis, Sonora, is being heard nightly (Saunders-Calif)... XEW (890), Mexico D.F., 100kW, carries the NBC Symphony Orchestra concerts, Saturday nights starting at 10 p.m. EST (NBC)

NEWFOUNDLAND VONF (640), St. John's, 10kW, operates daily ex. Sundays, 8:30am 1:30, and 4:30-9:30pm EST. Relays news from London nightly at 7:30pm EST. The studios are on the top floor of the Newfoundland Hotel. VONF verifies, and reports should be sent to A.N. House, Broadcasting Corp. of Newfoundland, P.O. Box No. 5372, St. John's, Newfoundland... VONF (1195), VOGY (840), VOAS (940), are all dismantled and permanently off the air (Broadcasting Corp. of Nfld.)

NEW ZEALAND "LYA (650) is best heard from 5 to 6:45 a.m. with peak signals at 6 a.m. EST. The news in English is given at 6:30am" (Schubert-Iowa)

P.R. "WNEL (1290), San Juan, 1kW, was heard to announce, they would put on a special dx program on Sat. Jan. 13, at 3:15 to 4:15am, just preceding the station's regular F.C.C. check at 4:15-4:30am on same morning" (Schubert)

ROUMANIA "Radio Bucaresti" (160 kcs.), 150kW, and Bucharest on 823kc, operate daily from 2:02 to 7 p.m. EST (Sun. from 1:17 p.m.) (Egyptian Radio). The news in English is broadcast Tues/Thurs/Sat at 6:45 p.m. EST.

U.S.A. NEW (Construction permits): KORN (1370), Fremont, Nebr., 100/250w; ... WFTM (1210), Ft. Myers, Fla., 100/250w; ... WHOP (1200), Hopkinsville, Ky, 250w; ... WHTR (1370), Spartanburg, S.C., 100/250w... WKIP (1420), Poughkeepsie, N.Y., 250w... WMJM (1500), Cordale, Ga., 100/250w... WMTG (1200), Saginaw, Mich., 100/250w... WOLF (1500), Syracuse, N.Y., 100w... WSLB (1370), Ogdensburg, N.Y., 250w... WOV (1100), N.Y.C., 5000w, to replace WBIL and WPG... KMYR (1310), Denver, Colo., 100/250w... WAOV (1420), Vincennes, Ind., 100w... WATW (1370), Ashland, Wisc., 100w... WPJF (1310), Herrin, Ill., 100/250w... . . CALLS: WBEO, Marquette, Mich. to WDMJ... WALR, Zanesville, Ohio, to WHIZ... WMLG, Saginaw, Mich. to WSAM... WMFO, Decatur, Ala. to WMSL... WPIV, Petersburg, Va. to WPID... . . . FREQUENCY CHANGES: -KEX, Portland, Ore. to 1160... KRRV, Sherman, Tex. to 880... KFPW, St. Smith, Ark. to 1370... . . . DELETIONS: KWTN (1210), Watertown, S.D... WAKR (1530), Akron, Ohio... WJFF (1310), Herrin, Ill... . . . POWER: KFEL (920), Denver, to 1kW... KHQ (590), Spokane, to 5kW... KVOD (630), Denver to 1kW... WBG (1440), Greensboro, N.C. to 1-5kW... KERC (610), San Francisco, to 5kW... KRSC (1120), Seattle, to 1kW... WQXR (1550), N.Y.C. to 5kW... KFDM to 1kW... KFPY to 5kW... KGIR to 5kW... KLO to 5kW... KQV to 1kW... KRKD to 1-2kW... KTUL to 5kW... WCHS to 500w-5kW... WDEL to 250w-1kW... WIRE to 5kW... WKST to 1kW... WNBC to 1kW... WOW to 5kW... (FCC, Callan)

FEATURE DX BROADCASTS

(E.S.T.)				(kcs.)	
Sunday,	JAN. 7,	3 a.m. on-	HOK	Colon, Panama	NRC 640
Monday,	JAN. 8,	3 a.m. on-	CMHK	Cruces, Cuba	NRC 1210
	JAN. 8,	3-4 a.m.	CKCW	Moncton, N.B., Canada	NRC 1370
Tuesday,	JAN. 9,	4-5 a.m.	CHNC	New Carlisle, Canada	NRC 610
Thurs.,	JAN. 11,	4:30-5:45 a.m.	CKCA	Kenora, Ont., Canada	NRC 1420
Sat.,	JAN. 13,	3-4 a.m.	CHLT	Sherbrooke, P.Q., Canada	NRC 1210
	JAN. 13,	3-4 a.m.	CFAR	Flin Flon, Man., Canada	NRC 1370
Sunday,	JAN. 14,	1-2:30 a.m.	WTAM	CLEVELAND, OHIO	IDA 1070
<p>You are all invited to attend either in person (or via your radio) a good old-fashioned DX-Party, sponsored jointly by the IDA and the NRC. Plenty of laughs, and surprises. Tune in to toe-tlingling music. Hear the IDA vs. NRC spelling bee and quix act. Enjoy the round-table discussion on dx of yesterday and today. Prizes for lucky listeners. Those participating will include (weather permitting), IDA Pres. Chas. Morrison, and IDA delegations from Chicago, Lansing, Detroit, Toledo & Cleveland; NRC. Pres. Harry Gordon, and NRC delegations from Erie & Cleveland; CRC members from Cleveland and many others. <u>YOU ARE INVITED TOO.</u> You can join us in celebrating by telephoning, telegraphing or writing to WTAM.</p>					
Sunday,	JAN. 14	2-6 a.m.	CMHJ	Cienfuegos, Cuba	All 1160
Monday,	JAN. 15	12:30-1 a.m.	KQE	Albuquerque, N.M.	IDA 1180
Thurs.,	JAN. 18	4-5 a.m.	CKOV	Kelowna, B.C., Canada	NRC 630
Friday,	JAN. 19	5:45 a.m. on-	KFAB	Lincoln, Nebraska	IDA 770
Sunday,	JAN. 21	4-5 a.m.	CFAC	Calgary, Alta., Canada	IDA 930
	JAN. 21	5-5:30 P.M.	12AA	ADDIS ABEBA, ETHIOPIA	IDA 9650
Sunday,	JAN. 28	4-5 a.m.	HOK	Colon, Panama	NRC & 640
	JAN. 28	4-5 a.m.	XENT	Nuevo Laredo, Mexico	IDA 910
Thurs.,	FEB. 1		KTOH	Lihue, Kauai, Hawaii	1500
Sunday,	FEB. 4	4:30-5:30 a.m.	XEDE	Torreón, Mexico	URDXC 1400
Wed.,	FEB. 7	3-4 a.m.	XEFC	Merida, Yucatan, Mexico	NRC 1340
Sunday,	FEB. 11		WADC	Akron, Ohio	IDA 1320
Sunday,	FEB. 11	5-6 a.m.	KFAR	Fairbanks, Alaska	IDA 610
Sat.,	FEB. 17	2-3 am.	KVSF	Santa Fe, New Mexico	IDA 1310
Sunday,	FEB. 18	2-6 a.m.	CMHJ	Cienfuegos, Cuba	All 1160
Sunday,	FEB. 25	3-4 a.m.	WJW	Akron, Ohio	IDA 1210
Sunday,	FEB. 25	4:30-5:30 a.m.	XETB	Torreón, Mexico	URDXC 1310
Weekly (Sunday),		2-2:30 a.m.	TG2	Guatemala, Guatemala	IDA 6195

--- BROADCASTING IN EUROPE DURING THE WAR ---

-- Norman Burton, London

In Poland, Katowice (758); Poznan (868); Torun (986); Cracow (1022), and Warsaw 2 (1384) are now operated by the German RRG. Baronowicze and Lwow are being operated by the Russians.

In France, Radio Normandie (1095), is back on air along with Radio Mediterranee (1321). A station "Radio Internationale (1412)," is now operating on French soil for the benefit of the B.E.F. This is either an entirely new station or else "Radio Lyons" or the Eiffel Tower transmitter.

In Hungary, Budapest (546) gives the war news in English at 6:15pm EST

In Italy, War news in English is usually given over Rome 1 (713), at 4:15pm EST, although it may vary.

In Ireland, News in English given over Radio Eirean (565) at 5 p.m. EST

In England, BBC stations are now on

the air quite early each morning with setting-up exercises.

LONG WAVES. . . In Poland, Warsaw (224), is transmitting the German programs but with greatly reduced power.

In France, Radio Paris (182), gives news in English at 4:45, before signing off at 5 p.m. EST.

In Turkey, Radio Ankara (183), now, QRM's Radio Paris, at times badly

In the U.S.S.R., Moscow (172), was heard giving English news at 5pm EST.

The German stations are all on the air just about as before the war except they give the news in English a little more frequently now.

Radio Luxembourg (232), will reopen again in the near future under the auspices of the International Red Cross. I understand the short-wave tests have been concluded.