

# THE GLOBE CIRCLER

COMPLETE GUIDE-BOOK FOR SHORT-WAVE LISTENERS



General Electric's New Television Receiver Model HM-225

### ENGLISH WAR NEWS FROM EUROPE

(Daily E.S.T.)

6:45 a. m.	Berlin	DJB	15.20	7:30 p. m.	Rome	2RO3	9.635
8:15 a. m.	London	GSV	17.81	7:30 p. m.	London	GSC	9.58
8:30 a. m.	Berlin	DJB	15.20	8:00 p. m.	Stockholm	SBU	9.535
11:00 a. m.	London	GSV	17.81	8:03 p. m.	Paris	TPC23	9.68
12:20 p. m.	Paris	TPC8	11.845	8:15 p. m.	Berlin	DXB	9.61
1:00 p. m.	London	GSI	15.26	8:40 p. m.	Madrid	EAQ	9.86
3:50 p. m.	London	GSD	11.75	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	TPC23	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	TPC23	9.68

ten cents

## INTERNATIONAL DX'ERS ALLIANCE

# SHORT WAVE NOTES

C. Morrison, Editor-in-Chief; M.W. Soplop, Asst. Editor; Perry Ferrell, U.H.F. Editor; R.B. Oxrieder and John Larsen, Frequency Checking Editors; Roger Legge, and Roy Waite, Ama-Touring Editors; H. Tucker, Programs Director.

## FAHNESTOCK BROTHERS TO REPORT SOUTH SEA EXPEDITION TO NBC

The Fahnestock South Sea Expedition, aboard the 137' schooner "Director II", will depart from New York Harbor soon for a two-years cruise of the South Seas, to record native music; to collect bird groups for the American Museum of Natural History and to make oceanographic studies for the U.S. Navy. The schooner will be equipped with a 1000 watt S.W. transmitter, which will not only keep the expedition in contact touch with America, but which will be used to relay a series of 20 broadcasts to the NBC from various out of the way spots. Contacts will be made on experimental frequencies: 4.797, 6.425, 9.135, 12,862, 17.31 and 23.1 mcs. Bruce Fahnestock is Director of the Expedition; Sheridan Fahnestock, skipper of the schooner. With good weather and a fair wind they hope to make Fiji by July

**PRESS DEADLINES:** For March Globe Circler; Feb.14; For March Stop Press Sheet; Feb.29; For March Ama-Touring; Feb.24 (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 IMPORTANT ITEMS BY FASTEST MAIL. FOUR STAR items denote exceptional merit. EACH FIVE STAR ITEM PAYS its contributor \$1.00.

**UHF NOTES:** To make space for the VIC/VAC ratings we are forced to leave out UHF notes and station listings for this month only.-Ed.

Members of the IDA 100 CLUB will be listed in the March issue of the G.C.

(E.S.T.)

## — NORTH AND CENTRAL AMERICA —

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BYRD EXPEDITION.- Reached Little America on Jan.17, and should be heard testing KRTK and KC4USA (see Jan.G.C.) almost any day now. Messages are sent to the Exped. every other Friday, 11:30pm-mid., over WGEO (9.53) and the NBC-Red network in a program sponsored by prominent N.A. newspapers.

BAHAMAS Special tests for Florida were heard over ZIO (8.14). Other frequencies announced but not heard were ZFR (3.125) and ZFR2 (5.82) (White)

CANADA The new 2½kW xmtr. of James Richardson & Sons, Ltd., Royal Alexandra Hotel, Winnipeg, operates as follows: over CJRX (11.72), 4-8:30pm (badly QRM'ed by ZP14); CJRO (6.15), 8:30pm-1:30am (\*\*Christie, Rudd, Soplop, Balbi)

C.R. TIGPH2 (5.82) not heard recently (Legge)...TIPG (9.62), is being heard evenings as early as 6pm (Beyer)...TIM (8.79) called HRE2 at 8pm.

CUBA Unidentified Cubans heard on 9.225 and 9.46 (Callan, Amers)...CMY (8.42), a non-commercial station heard relaying "Cadena Central de Radio", irreg. Location sounded like "Observatorio Monserrat, Guines" (Kriebel)....

COBC is now on 9.375; COCQ now on 6.375; COHI to 6.455 and COKG to 8.96 (Larsen)...COX7 (4.29), Ciudad Militar, Havana, has a power of 5kW (NNRC)

D.R. HI9B now 6.395, signs-on irreg, sometimes as late as 7:40pm (J.L.)

EL SALVADOR YSM (11.71) operates irreg., usually 1-2 and 7-9:30pm irreg.

GUADELOUPE FGSBH (7.445) heard Sun. 9:30-11am with English announcements.

Station Theme Song is "March Lorraine" (WDXA)

GUATEMALA Programs of TGWB are beamed on west coast; those of TGWC on C.A.

...TGWX (24.988) is a mobile unit of TGW stations...TG2X (5.94) is only used for police work now; TGS only for commercial work (W9QWM)

JAMAICA VP5PZ (4.8), Kingston, now operates Fridays 5:30-6:30pm (V. Allwood)

MARTINIQUE Fort-de-France (9.705), has English Concert Mon/Wed. 5:30-6pm (JL)

MEXICO XEKW (6.03), "El Eco de Michoacan", Morelia, Michoacan, power 500w,

inaugurated Sep.30, verified promptly by letter (Legge)...XEQQ (9.68), signs off at 12:45am with "Bolero", and English announcement (Simpson)...XEWW

(9.503) broadcasts program of typical Mexican music to NBC, Tuesdays at 6pm

...The power of this station may be raised to 200kW (Gonzalez)

NEWFOUNDLAND VONG (9.475), 300w, verifies with an attractive blue, white and

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NEWFOUNDLAND VONG (9.475), 300w, verifies with an attractive blue, white and

yellow QSL card, with a map of Nfld. in the center (Rudd)  
NICARAGUA YNJAT (5.758), "La Voz del Aire", Leon, operated by Jose Augustin Tujerino, operates 7-10:20pm (sometimes off at 9pm) (\*\*Legge)  
PANAMA HP5A (11.7), is QRM'ed somewhat by IQY, CB1170 and CW but its strong signals usually override all interference (Soplop)  
U.S.A. NBC's new steerable aerial which can be swung across S.A. through an arc of 20 degrees by merely touching a push button, is now in operation.  
 ...NEW: UHF station W9XLA (25.4), Denver, 100w, relays KLZ and CBS daily 10am -12 mid. Send reports to Shirley-Savoy Hotel, Denver (Ferrell, Campbell, Tag-lauer)...WBOS granted new frequencies, 6.14, 15.21 and 21.54, which it will share with WPII (FCC)...Construction of WLWO's new 50kW xmtr. is being delayed pending the arrival from England of a shipment of mycalex, a special type of high voltage insulating board (WLWO)...WNBI (6.100), is now in operation daily 8pm-lam; makes special tests for United Fruit Co. in C.A. at 8:15pm. Reports solicited (Callan, Balbi)...World Wide Broadcasting Corp. of Boston, seeks permit to up power of WRUL to 50kW; to add freqs. of 11.79 and 15.25mcs, for WRUW (FCC)...WRUL (6.04), sometimes heard to 3am Sundays.  
 ... TELEVISION: CBS xmtr. W2XAB (55.75), still going strong mornings and afternoons...NEW: Zenith xmtr. W9XZV (Video 45.25/sound 49.75), Chicago, Ill, operates Mon/Wed/Fri. from 8:45 to 10:45pm (Perry Ferrell, Jr.)

### —SOUTH AMERICA—

CHILE CB1180 is now on 11.945 mcs. in the clear. (Soplop)  
COLOMBIA HJAB (4.785) operates 5-10pm (Legge)...HJAE (4.835) signs-off at 10:30pm (Herz)...HJAG, "Emisora Atlantico", Barranquilla, heard testing at 5:55pm on 9.795 (Callan)...HJBB (4.815) signs-off at 11pm (Legge)...HJCF now on 9.71; still regarded as harmonic by some (Callan, Larsen)...HJCX (6.017) uses bells and bugle calls for identification (Lundberg)...HJDE is operating regularly on 6.145 (Larsen); heard 10-11pm (Herz)...HJDP (4.885) signs-off at 10:30pm (Legge)...HJDX (4.795), "Ecos de la Montana", Medellin, formerly HJ4DAX, relays HJDC 5-10:35pm (Legge)...HJEH (4.755), at Buenaventura, is not being heard (Legge), nor is HJFB (4.765), Manizales....HJFK, "La Voz Amiga", Pereira, 2500w, operates mornings from 7:05am, on 9.73, and evenings 6:05-10:30pm, on 4.865. Interval sig. is 3 xylophone notes; verifies promptly (\*\*Legge, Simpson, Larsen)...HJGB (4.775) operates 6-10pm. (Legge)...HJFA (6.053), Pereira, is new call for ex-HJ6ABA (Legge)  
DUTCH GUIANA PZH (6.79), Lands Radiodienst Suriname, Postbus 150, Paramaribo, Suriname, 25w, verifies with attractive card. Announces, "Hier is de Avros te Pamaribo op een golfnengte van 44 meter en op een frequentie van 6800 kiloperioden". (NNRC-Roberts)  
ECUADOR HC1GQ (now 9.175) signs-off at 10:30pm (Larsen)...HC1PM (5.725), in Quito, operates Mon/Tues/Thurs 8-10pm (Legge)...HC2CW is now on 9.135 (J.L.)  
PARAGUAY ZP14 (11.72), "La Voz del Corzan de Sud America", is hopelessly QRM'ed by CJRX, but once in a while it over rides the Canadian (Saunders)  
URUGUAY A station believed to be CXA19 (11.71), is being heard irreg. to approx. 7pm (Soplop)...NEW: CXA30 heard testing near lam (NNRC)  
VENEZUELA YV1RJ (4.975), "Radio Falcon", Coro, operates 5:30-10pm (Legge, Lundberg, Montenegro)...YV1RO (4.78) is apparently not on the air yet (Legge)..YV1RT (4.77), "La Voz de la Fe", Maracaibo, operates 5:30-9:30pm (Legge, Montenegro)...YV3RX (4.99), "La Voz de Lara", Barquisimeto, signs-off at 9:30pm, with the "Beer Barrel Polka" (Lundberg, Legge, Montenegro)...YV4RP (4.93), "Radio Valencia", Valencia, signs-off at 10pm (Lundberg, Montenegro)...YV5RH "Ondas Populares", Caracas, operates on 4.92 mcs., to 10:30pm (Larsen, Montenegro)...YV5RN (5.035), Caracas, signs-off at 10:30pm (Larsen, Legge, Montenegro)...YV5RU, "Estudios Universo", Caracas, now operates on 4.83 (Larsen, Montenegro)...YV5RV (3.525), "Emisora Vargas", Caracas, operates 7-10:30pm (Larsen, Legge)...YV5RW is on 3.436 (Larsen)...YV5RY (4.788), "Radio Continente" Caracas, operates 5-10:30pm (Legge)...YV6RT (4.9), Bolivar, operates 5:30 9:30pm (Legge, Montenegro)

### —EUROPE—

ALBANIA ZAA (7.85), heard to 3:30pm with fine signals. Arabic type programs.  
ANDORRA? An unidentified French station on 11.85, which opens at 5:30am with a march, then lady announcer and classical music, may be in Andorra (Simpson)  
EIRE EIRE now operates daily on 17.84, 7:30-8:30 and 9-10am, and on 9.595, 12:30-4:30 and 5-6pm, according to data on QSL card (Hoadley)  
ENGLAND GSD (11.75) is again operating 9:37pm-12:30am for W. Canada.....GST

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(21.55), is now in operation 5:40-8:45, 9-9:15, and 9:30-11:30am (BBC).

FINLAND The Lahti xmtr. was bombed on Jan.12(Callan\*\*)...Pickups from Finland are sent by land-wire to Geneva, thence out over HBH (18.48), HBJ (14.535), HBO (11.402), or HBP (7.797), depending upon the hour (\*\*Soplop)

FRANCE SCOOP: COMPLETE CALLS & PRESENT SKED OF FRENCH TRANSMISSIONS.  
There are 3 transmitters: TPA- the 12kW one at Pontoise; TPB- the 25kW one at Essarts-le-Roi, and TPC- the 100kW one at Allouis. The present schedule of operations follow: DAILY: To Africa and the Near East, 1-4am, over TPA3 (11.885) and TPB25 (7.28), 10:15 to 4:15pm, over TPB25 (7.82), and 10:15am to 5:15pm, over TPA3 (11.885); To Far East, 5-10am, over TPA2 (15.24) and TPB3 (17.765); To Africa, 5-5:30 and 7:30-8am, over TPB4 (15.295); To North, and Central America, 11:30-12:30pm, over TPC8 (11.845), and 8pm-12:45am, over TPB7 (11.885), TPA4 (11.718) and TPC-- (9.52); To Madagascar, 1:45-5pm, over TPC8 (11.845), and to South America, 4:45-7:45pm, over TPB7 (11.885), and 6-7:45 pm, over TPA4 (11.718) and TPC-- (9.52) (\*\*\*\*E.Schubert). Reports should be sent to Paris Mondial, 103, Rue De Grenelle, Paris-VIII, France (Soplop)

GERMANY DXB (9.61) broadcasts to Europe 11am-4:50pm (Tuff)...DJA (9.56), broadcasts 9-11am to Asia, from 11am-7:30pm to Europe, and 7:30-10:50pm to CA (Tuff)..."Deutscher Freiheitsender" (10.07) heard at 4:25pm. A man was heard talking under heavy intentional QRM. (\*Callan-Mass.)

HUNGARY HAT4 (9.125), now operating daily 7-8:30pm for N.A., has a new identifying signal consisting of three bars of the melody of the Rakoczi March played on the ancient Hungarian wind-instrument, the taragato (HAT4)

ITALY 2RO3 is on 9.63 afternoons, but sometimes on 9.635 in evenings....  
2ROI5 (11.76), operates 10am-12 noon; afternoons, and 7:30-9pm irreg. (Balbi, Soplop)...IRF and IQY verify with their own cards (Rudd). (tinued.

NETHERLANDS The Friday night broadcast over PCJ is said to have been discontinued

PORTUGAL CSW7 (9.74) broadcasts an English talk, Tues/Thurs/Sat at 3:35pm.

ROMANIA "Radio Bucharest" (9.234) broadcasts English news, weekdays at 4:45

SWEDEN SBP (11.705), operates 12:57-4:12, and 8-8:30pm to N.A. The latter transmission is also carried by SBU (9.535) (Soplop, Callan)

SWITZER- HBO (11.402), now broadcasts to S.A., Mon/Wed, 6:45-8:15pm. HBH on  
LAND 18.48, has replaced HBO in the broadcasts for Australia (R.P.S.)

U.S.S.R. All Soviet transmissions are very poor at this time (Soplop)..RN? (11.895) is still heard occasionally near 6pm (Soplop)...An unidentified Moscow xmtr. on 9.685, is being heard 6:30-11am and 2-6pm. From 5:30 to 6pm it carries an English program for England, in parallel with RAN (Christie)

VATICAN HVJ (6.19) broadcasts to N.A. Sun/Wed. 9:30-10:00pm (Schubert)

CITY HVJ (11.74) is seldom used except for relays to the U.S. (Soplop)

### -AFRICA-

FRENCH A station believed to be CNP, at Casablanca, is broadcasting with  
MOROCCO poor quality, daily from 3 to 4pm on 8.795 mcs. (\*\*Kriebel)

I.E.A. The IDA broadcast from 12AA (9.65), on Sun. Jan. 21, 4:50-5:30pm, included greetings to the IDA; a talk by Duncan C. Henry, on the abolition of slaves in Ethiopia; native songs and music and a speech by the Hon. Mayor Boidi of Addis Abeba; was well heard through-out North America.-Ed.

MOZAM- CR7BE (9.64 to 9.65), operated by the Radio Club of Mozambique, P.O.  
BIQUE Box 594, Lourenco Marques, 10kW, broadcasts test programs to Portugal daily 2-4pm, opening with beat of tom-toms and closing down with Portuguese Nat. Anthem. Music is usually classical or folk-music. Announcements are in Portuguese, and occasionally English, by male and female announcers. Interval signal is similar to NBC chimes. CR7BE operates in parallel with CR7AB (3.49) and CR7BD (15.24), and is received with terrific volume in the United States (\*\*\*Christie, Voisich, Legge, Callan, Soplop, Mann, CAM, Herz, Cress)

NORTHERN RHODESIA The Govt. now broadcasts news in 3 native dialects, with English announcements, Mondays and Fridays, from 12 noon to 12:30pm, over VQ2CM (7.50) of Luanshya, Northern Rhodesia (\*\*\*\*Burdett-N. Rhodesia)

SO.AFRICA A new station on 11.77 is being heard with the same program as ZRO, Durban, till closing time at 11:15am (Simpson-Australia)

### -ASIA AND OCEANIA-

AUSTRALIA The new AUSTRALIAN WORLD BROADCAST SERVICE is officially as follows: Trans. 1A, 2-4am, to Europe (German talk 2:45; English 3:15, French 3:45am), 2-4am, over VLQ (9.615); Trans 1B, to So. Europe, & No. Africa (Spanish talk 2:45; English 3:15am), 2:30-3:30am, over VLQ2 (11.87); Trans 2A, to E.No. America (talk 7:30am), 7-8am, over VLQ (9.615); Trans. 2B, to W.No.

(21.55), is now in operation 5:40-8:45, 9-9:15, and 9:30-11:30am (BBC).

FINLAND The Lahti xmtr. was bombed on Jan. 12 (Callan\*\*)... Pickups from Finland are sent by land-wire to Geneva, thence out over HBH (18.48), HBJ (14.535), HBO (11.402), or HBP (7.797), depending upon the hour (\*\*Soplop)

FRANCE SCOOP: COMPLETE CALLS & PRESENT SCHEDULE OF FRENCH TRANSMISSIONS.  
There are 3 transmitters: TPA- the 12kW one at Pontoise; TPB- the 25kW one at Essarts-le-Roi, and TPC- the 100kW one at Allouis. The present schedule of operations follow: DAILY: To Africa and the Near East, 1-4am, over TPA3 (11.885) and TPB25 (7.28), 10:15 to 4:15pm, over TPB25 (7.82), and 10:15am to 5:15pm, over TPA3 (11.885); To Far East, 5-10am, over TPA2 (15.24) and TPB3 (17.765); To Africa, 5-5:30 and 7:30-8am, over TPB4 (15.295); To North, and Central America, 11:30-12:30pm, over TPC8 (11.845), and 8pm-12:45am, over TPB7 (11.885), TPA4 (11.718) and TPC-- (9.52); To Madagascar, 1:45-5pm, over TPC8 (11.845), and to South America, 4:45-7:45pm, over TPB7 (11.885), and 6-7:45pm, over TPA4 (11.718) and TPC-- (9.52) (\*\*\*\*E.Schubert). Reports should be sent to Paris Mondial, 103, Rue De Grenelle, Paris-VIII, France (Soplop)

GERMANY DXB (9.61) broadcasts to Europe 11am-4:50pm (Tuff)... DJA (9.56), broadcasts 9-11am to Asia, from 11am-7:30pm to Europe, and 7:30-10:50pm to CA (Tuff)... "Deutscher Freiheitsender" (10.07) heard at 4:25pm. A man was heard talking under heavy intentional QRM. (\*Callan-Mass.)

HUNGARY HAT4 (9.125), now operating daily 7-8:30pm for N.A., has a new identifying signal consisting of three bars of the melody of the Rakoczi March played on the ancient Hungarian wind-instrument, the taragato (HAT4)

ITALY 2RO3 is on 9.63 afternoons, but sometimes on 9.635 in evenings.... 2RO15 (11.76), operates 10am-12 noon; afternoons, and 7:30-9pm irreg. (Balbi, Soplop)... IRF and IQY verify with their own cards (Rudd). (tinued.

NETHERLANDS The Friday night broadcast over PCJ is said to have been discontinued

PORTUGAL CSW7 (9.74) broadcasts an English talk, Tues/Thurs/Sat at 3:35pm.

ROMANIA "Radio Bucharest" (9.234) broadcasts English news, weekdays at 4:45

SWEDEN SBP (11.705), operates 12:57-4:12, and 8-8:30pm to N.A. The latter transmission is also carried by SBU (9.535) (Soplop, Callan)

SWITZERLAND HBO (11.402), now broadcasts to S.A., Mon/Wed, 6:45-8:15pm. HBH on 18.48, has replaced HBO in the broadcasts for Australia (R.P.S.)

U.S.S.R. All Soviet transmissions are very poor at this time (Soplop).. RN? (11.895) is still heard occasionally near 6pm (Soplop)... An unidentified Moscow xmtr. on 9.685, is being heard 6:30-11am and 2-6pm. From 5:30 to 6pm it carries an English program for England, in parallel with RAN (Christie)

VATICAN CITY HVJ (6.19) broadcasts to N.A. Sun/Wed. 9:30-10:00pm (Schubert)

CITY HVJ (11.74) is seldom used except for relays to the U.S. (Soplop)

### -AFRICA-

FRENCH MOROCCO A station believed to be CNP, at Casablanca, is broadcasting with poor quality, daily from 3 to 4pm on 8.795 mcs. (\*\*Kriebel)

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America (talk 11am), 10:30-11:30am, over VLQ (9.615); Trans.3, to India (English talk 8:30am), 8:15-8:45am, over VLQ (9.615); Trans.4, to S.A. (English talk 6:40; Spanish 6:50am), 6:30-7am, over VLQ (9.615); Trans.5, to Africa, 12:30-1:30pm, over VLW3 (11.83); Trans.6A, to D.E.I., 9-9:30am, over VLR (9.58); Trans. 6B, to Japan, 6:35-7pm, over VLR3 (11.83). Reports will be welcome and should be sent to the Australian Broadcasting Commission, 264 Pitt Street, Sydney, N.S.W. (BBC) (Simpson, Soplop, Montenegro, Callan, Honda, Balbi, CAM, Christie, Traister, Legge, Herz)... VLW3 (11.83), was heard with excellent sigs. weekdays 3 to 10:30am and Sun. 3 to 9:30am, up to Jan. 16, when freq. was changed to 9.645, using call VLW2, and same sked. Reports should be sent to Chief Engineer, G.P.O., Perth, West Australia. (Simpson, CAM Soplop, Callan, Honda, Balbi, Legge)... VLR3 (11.83), now operates 3:30pm-2:15am; VLR (9.58), 2:30-9am (Simpson-Australia)

ORNEO YCC (9.125), Balikpapan, is new call of YCP; verifies (Legge)  
 HINA Unidentified, either Chinese or Manchukuo, heard daily 2:35-2:55am, on 6.13 (Balbi-Calif)... XMHA (11.855) believed off air (Soplop)... XGOX (11.65), Canton, operates 7-9am; lady announcer gives English news at 8:10 8:25am (Simpson, Soplop)... XGOY (9.645), Szechwan, is making special transmissions, 1-3 and 9-9:30am; English news at 8:55am (\*Ong, Balbi, Voisich)... XGOY has been on 11.895 of late (Soplop)... The Chinese Central Govt. operates only two stations XGOX/XGOY and XPSA; others are Japanese (Ong) son).  
 .E.I. NEW: Station on 11.92, from 5am on, with same program as YDC (Simpson-Australia)...  
 INDO-CHINA Hanoi (11.91) believed off air (Soplop)... NEW: "Radio Indo Chine" (11.85), operates 5:30-9am; lady announcer; news in French at 7:30am (Simpson-Australia)... "Radio Boy-Landry" (9.67), again being heard to sign off at 10:30am (Amers-Calif); "Radio Boy-Landry" also heard on 4.185 mcs. (Yoshimura-Japan)... "Radio Saigon" (11.78), now broadcasts news in English at 10:30 and signs-off at 11am. Evening broadcast in French 6:30-7:15pm.  
 RAN Station on 9.68, possibly EQC, still heard weakly 7-9am (Callan)  
 MANCHUKUO MTCY (11.775) generally comes on air at 1:20am with music fill-in until regular sign-on at 1:30am; signs-off at 2:30am with Manchukuo anthem, not the Japanese Kimigayo as sometimes reported (Honda, Soplop)  
 .I. KZRB (11.84), mobile unit of Far Eastern Broadcasting Corp., Manila, heard testing 4-5am (Simpson-Austr.)... KZRF (6.14) now signs-off at 11am (Saunders)

AHITI FO8AA (7.100), Papeete, is once more verifying (some reports are two and three years old), with a small white card having red call letters, signed by Alf Poroi, Pres. Radio Club Oceanin (Clein, Kandle, Amers, Legge)  
 HAILAND HS8PJ, Bangkok, is now broadcasting daily on 7.96, the 9.51 and 19.02 channels having been abandoned. At 8am, clock strikes 8pm Bangkok time and the identification is given in English (\*\*Simpson, Legge, Kriebel)  
 TURKEY After several days absence from the air following the earthquakes, TAP (9.465) is again being heard daily with excellent signals (CAM)

.W. LIST Cont. from page 12.

62.05S	4.335	HJAE	Cartagena, Colombia	7am-6, 7-10:30pm.	*
62.11	4.83	YV5RU	Caracas, Venezuela	5-9:30pm; Sun. to 10:30pm.	*
62.17	4.825	HJED	Cali, Colombia	7-11pm ex. Sundays.	
62.24	4.82	YV3RN	Barquisimeto, Venez.	11:30am-1:30, 5:30-9:30pm.	
62.31	4.815	HJBB	Cucuta, Colombia	Signs-off at 11pm.	
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.	
62.50S	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.	
62.57SC	4.795	HJDX	Medellin, Colombia	5:00-10:35pm.	*
62.63S	4.79	YV5RY	Caracas, Venezuela	5-10:30pm.	*
62.70S	4.785	HJAB	Barranquilla, Colombia	5-10pm.	*
62.87S	4.772	HJGB	Bucaramanga, Colombia	6-10pm.	*
62.89S	4.77	YV1RT	Maracaibo, Venezuela	5:30-9:30pm.	*
69.93	4.29	COX7	Havana, Cuba	Relays CMZ irreg. to 10:30pm.	
70.14	4.273	RV15	Khabarovsk, U.S.S.R	4-10am. (pm ex. Monday)	
73.05	4.107	HCJB2	Quito, Ecuador	7-8:15am, 11:30am-2:30, 2:45-1015	
75.00	4.002	CT2AJ	Ponta Delgada, Azores	Wed/Sat 5-7pm.	
85.10SF	3.525	YV5RV	La Guaira, Venez.	7-10:30pm.	
87.30F	3.436	YV5RW	Caracas, Venezuela	8-10pm.	*



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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
13.92S	21.55	GST	London, England	5:40-8:45, 9-9:15, 9:30-11:30am.*
13.93	21.54	WPIT	Pittsburgh, Pa.	6:30-8am.
13.93S	21.53	GSJ	London, England	5:40-8:45am to India/Australia.
13.94	21.52	WCAB	Philadelphia, Pa.	12-3:45pm ex.Sat; Su.12-2:30pm.
13.96	21.50	WGEA	Schenectady, N.Y.	
13.97	21.47	GSH	London, England	5:40-8:45am to Africa.
13.99	21.45	DJS	Berlin, Germany	12:05-7:55am to Asia.
16.23F	18.48	HBH	Geneva, Switzerland	Fridays 8:45-10:15am to Orient.
16.69S	17.97	KHE	Kahuku, Hawaii	Sa/Su 8:30-9pm; irreg.at 5pm.
16.82	17.845	DJH	Berlin, Germany	12:05-7:50, 8-9, 9-11am.
16.82S	17.84	EIRE	Athlone, Ireland	7:30-8:30, 9-10am.
16.83	17.83	LRA5	Buenos Aires, Arg.	Fridays 4-4:30pm.
16.84	17.82	2RO8	Rome, Italy	5-7:25, 7:30-9am, 6-7:25pm.
16.85S	17.81	GSV	London, England	7-8:45, 9-11:30am to N.A....NEWS
16.86S	17.79	GSG	London, England	5:40-8:45am. (8:15, 11:00am
16.87S	17.78	WNBI	New York City, N.Y.	9am-4pm to Europe, 4-8:15pm to
16.88	17.77	PHI2	Huizen, Holland	Sun. 6:40-7:40am to Far East (SA
16.89F	17.765	TPB3	Paris, France	5-10am to Far East
16.89	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.
19.52	15.37	HAS3	Budapest, Hungary	Sundays 9-10:30am.
19.56	15.34	DJR	Berlin, Germany	4:55-10:50pm to CA.
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; 1:35-3:30pm to N.A.
19.60	15.31	YDB	Soerabaja, Java	10:30pm-2am and Sat. 7L30pm-2am.
19.61	15.30	2RO6	Rome, Italy	4:10-4:55, 10am-12:06, 12:20-1240 1:38-2:30, 3-5:30, 7:30-9pm to NA
19.61N	15.295	TPB4	Paris, France	5-5:30, 7:30-8am to Africa.
19.62	15.29	LRU	Buenos Aires, Argentina	7-9am. (11:30p
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 Eur.
19.66S	15.26	GSI	London, England	12:57-5am, 12-3:30pm to Africa.
19.68	15.24	TPA2	Paris, France	5-10am to Far East.
19.68	15.24	CR7BD	Lourenco Marques, Mozambique,	2-4pm etc.
19.68	15.24	YUG	Belgrade, Yugoslavia	8-9pm to N.A.
19.68	15.24	YUF	Belgrade, Yugoslavia	7-8pm to S.A.
19.71	15.22	PCJ2	Huizen, Holland	Su. 7:40-10:05, Mon/Th. 7:40-9am, Tu, 3-4:30am, Tu/Fr/Sa 7:40-8:45a
19.72	15.21	WPIT	Pittsburgh, Pa.	8am-3pm to Europe.
19.74	15.20	DJB	Berlin, Germany	12:05-6, 6:30-9, 9:15-9:30am to N.A....NEWS: 6:45, 8:30, 9:15am.
19.74	15.20	XGOX	Szechwan, China	8:30-10:45pm to NA...NEWS: 9:50
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-
19.78	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-
19.80	15.155	SBT	Motala, Sweden	12:57-4:30pm. (8:15pm
19.80	15.15	YDC	Bandoeng, Java	4:30-10:30am; 6-9pm ex.Sat; 10:30pm-2am; Sat. 7pm-2am.
19.82S	15.14	GSF	London, England	3:30-5, 9-11:30am, 3:50-6pm.

13

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19

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13.96	21.50	WGEA	Schenectady, N.Y.	
13.97	21.47	GSH	London, England	5:40-8:45am to Africa.
13.99	21.45	DJS	Berlin, Germany	12:05-7:55am to Asia.
16.23F	18.48	HBH	Geneva, Switzerland	Fridays 8:45-10:15am to Orient.
16.69S	17.97	KHE	Kahuku, Hawaii	Sa/Su 8:30-9pm; irreg.at 5pm.
16.82	17.845	DJH	Berlin, Germany	12:05-7:50, 8-9, 9-11am.
16.82S	17.84	EIRE	Athlone, Ireland	7:30-8:30, 9-10am.
16.83	17.83	LRA5	Buenos Aires, Arg.	Fridays 4-4:30pm.
16.84	17.82	2RO8	Rome, Italy	5-7:25, 7:30-9am, 6-7:25pm.
16.85S	17.81	GSV	London, England	7-8:45, 9-11:30am to N.A....NEWS
16.86S	17.79	GSG	London, England	5:40-8:45am. (8:15, 11:00am
16.87S	17.78	WNBI	New York City, N.Y.	9am-4pm to Europe, 4-8:15pm to
16.88	17.77	PHI2	Huizen, Holland	Sun. 6:40-7:40am to Far East (SA
16.89F	17.765	TPB3	Paris, France	5-10am to Far East
16.89	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.
19.52	15.37	HAS3	Budapest, Hungary	Sundays 9-10:30am.
19.56	15.34	DJR	Berlin, Germany	4:55-10:50pm to CA.
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; 1:35-3:30pm to N.A.
19.60	15.31	YDB	Soerabaja, Java	10:30pm-2am and Sat. 7L30pm-2am.
19.61	15.30	2RO6	Rome, Italy	4:10-4:55, 10am-12:06, 12:20-1240 1:38-2:30, 3-5:30, 7:30-9pm to NA
19.61N	15.295	TPB4	Paris, France	5-5:30, 7:30-8am to Africa.
19.62	15.29	LRU	Buenos Aires, Argentina	7-9am. (11:30p
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 Eur.
19.66S	15.26	GSI	London, England	12:57-5am, 12-3:30pm to Africa.
19.68	15.24	TPA2	Paris, France	5-10am to Far East.
19.68	15.24	CR7BD	Lourenco Marques, Mozambique,	2-4pm etc.
19.68	15.24	YUG	Belgrade, Yugoslavia	8-9pm to N.A.
19.68	15.24	YUF	Belgrade, Yugoslavia	7-8pm to S.A.
19.71	15.22	PCJ2	Huizen, Holland	Su. 7:40-10:05, Mon/Th. 7:40-9am, Tu, 3-4:30am, Tu/Fr/Sa 7:40-8:45a
19.72	15.21	WPIT	Pittsburgh, Pa.	8am-3pm to Europe.
19.74	15.20	DJB	Berlin, Germany	12:05-6, 6:30-9, 9:15-9:30am to N.A....NEWS: 6:45, 8:30, 9:15am.
19.74	15.20	XGOX	Szechwan, China	8:30-10:45pm to NA...NEWS: 9:50
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-
19.78	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-
19.80	15.155	SBT	Motala, Sweden	12:57-4:30pm. (8:15pm
19.80	15.15	YDC	Bandoeng, Java	4:30-10:30am; 6-9pm ex.Sat; 10:30pm-2am; Sat. 7pm-2am.
19.82S	15.14	GSF	London, England	3:30-5, 9-11:30am, 3:50-6pm.

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19

19.83	15.13	WRUW/WRUL	Boston, Mass.	2-5, 8:45-10:30pm, Sa. 5:30-8, Sun. 7-9am? (10am-12 noon..
19.84	15.12	CSW4	Lisbon, Portugal	Sun. 1-1:30pm to NA, Tu/8:30-9, 10-10:30am, Wed. 8:30-9pm.
19.84S	15.12	HVJ	Vatican City	12:05-2, 10:40am-4:25pm.
19.85	15.11	DJL	Berlin, Germany	4-5:30, 6-7:25, 7:30-9pm irreg.
19.87	15.10	2R012	Rome, Italy	7-8:30pm to NA, 8:30-9pm, French
19.95	15.04	RKI	Moscow, U.S.S.R.	6-7pm; Wed. 4-4:10pm.
20.08	14.94	PSE	Rio de Janeiro, Brazil	Sat. 8:30-9pm; Sun. 8:30-9pm.
20.11	14.92	KQH	Kahuku, Hawaii	Irreg. *
20.64	14.535	HBJ	Geneva, Switzerland	Sun. 12:30-1, or 1:30am.
21.58	13.90	YN3DG	Leon, Nicaragua	6:40-10:40am, 5:10-9:40pm.
24.02	12.49	H1LN	Trujillo City, D.R.	7-8:15, 11:30am-2:30, 5-10:30pm
24.08	12.46	HGJB	Quito, Ecuador	Now off air. (ex. Mon.)
24.53	12.235	TFJ	Reykjavik, Iceland	Intermittently throughout day & 4:50-11pm. *(night.
25.00	12.00	RNE	Moscow, U.S.S.R.	10am-1, 5-10:30pm.
25.12	11.945	CB1180	Santiago, Chile	5:30-7:20, 7:20-7:35, 7:40-9, 9:30-11, 11:10-11:50, 2-4:20, 4:30-620 pm...NEWS- 6:15am, 5pm. *
25.19	11.91	CD1190	Valdivia, Chile	Heard occasionally near 6pm. *
25.22SV	11.895	XGOY	Szechwan, China	1-4, 10:15am-5:15pm to Asia/Afr.
25.22F	11.895		Moscow, U.S.S.R.	4:45-7:45pm to SA; 8pm-12:45am to N.A...NEWS-8:03, 11:30pm, 1215 330pm-2:15am. *(am)
25.24S	11.885	TPA3	Paris, France	2:30-3:30am to S. Europe & N. Afr.
25.25S	11.880	TPB7	Paris, France	3-9, 10-11pm or later. (rica*
25.25S	11.88	VLR3	Melbourne, Australia	3:30-5am to Far East, 6:22-9:15p
25.27N	11.87	VLQ2	SYDNEY, AUSTRALIA	Intermittent daily. (to SA.
25.27	11.87	WPIT	Pittsburgh, Pa.	3-6pm to S.A. through Feb. 12.
25.30S	11.86	GSE	London, England	5:30-9am. *
25.30	11.855	DJP	Berlin, Germany	11:30-12:30pm (NA); NEWS-12:20pm.
25.32S	11.85	HAD	Budapest, Hungary	1:45-5pm to Madagascar. *
25.32N	11.85		? Indo-China	12:30-1:30pm to Africa. *
25.33SC	11.845	TPC8	Paris, France	4-6; Su. 3-6pm to Europe; 6:30-10 5-9:20pm. (pm to S.A.
25.36S	11.83	VLW3	Perth, W. Australia	10am-4pm & evenings irreg.
25.36	11.83	WCBX	New York City, N.Y.	4:10am-2:59, 6-7:25, 7:30-9pm to Irregular. (N.A...News, 7:30pm
25.37	11.825	CXAL4	Colonia, Uruguay	12-1:30am to NA, 7-9:30am, 4:30-5:30pm...NEWS- at 12:03am.
25.38	11.82	XEBR	Hermosillo, Mexico	2-5pm; Sun. 10am-12 noon.
25.40	11.81	2RO4	Rome, Italy	5:45-10:15, 10:30-11am, 6:30-715, 11:45pm-12:45am...NEWS- 6, 10:30
25.42	11.80	COGF	Matanzas, Cuba	12-1pm (Su. 10am-1pm), 6-10pm.
25.42	11.80	JZJ	Tokio, Japan	1:30-2:20am to NA, 9:50-10:50-am, 4-4:50pm.
25.45S	11.79	WRUL	Boston, Mass.	10:45am-4:25pm, 4:55-10:50pm to NA...NEWS- 6:00, 8:15, 10:30pm.
25.47S	11.78		Saigon, F. Indo-China	Heard at 10:30pm. (7:30-9pm ir.
25.47	11.78	HP5G	Panama City, Panama	10am-12 noon; afternoons and 12:57-5, 11:52am-3:30, 3:50-6, 937 pm-12:30am to NA...NEWS- 3:50, -4:45, 9:45, 11pm.
25.48	11.775	MTCY	Hsinking, Manchoukuo	6-11pm; Sun. 6-10:30pm.
25.49	11.77	DJD	Berlin, Germany	Wed. 9-9:30pm to S.A.
25.51	11.76	XETA	Monterrey, Mexico	4:30-8:50am; Su. 2:30-8:50am.
25.51S	11.76	2R015	Rome, Italy	5:30-8:30, 8:45-10:30pm, Su. 2-9pm
25.53S	11.75	GSD	London, England	1-7am irreg. *
25.55	11.74	CB1174	Santiago, Chile	4-8:30pm. *(am-6pm. *
25.55S	11.74	HVJ	Vatican City	Mon. thru Fri. 4-7:50pm, Sa/Su 11-6-7:45pm, 8pm-12:30am to N.A.
25.57	11.735	LKQ	Oslo, Norway	1-2; 7-9:30pm irreg. *
25.58	11.73	WRUW/WRUL	Boston, Mass.	12:57-4:30pm, Su. 3am-4:30pm; Daily 8-8:30pm to NA...NEWS, 8pm
25.59S	11.725	JWV3	Tokio, Japan	
25.60S	11.72	CJRX	Winnipeg, Canada	
25.60	11.72	ZP14	Villarica, Paraguay	
25.60	11.718	TPA4	Paris, France	
25.62S	11.71	YSM	San Salvador, El Salvador	
25.63S	11.705	SBP	Motala, Sweden	

19.83	15.13	WRUW/WRUL	Boston, Mass.	2-5,8:45-10:30pm, Sa. 5:30-8, Sun. 7-9am? (10am-12 noon..
19.84	15.12	CSW4	Lisbon, Portugal	Sun. 1-1:30pm to NA, Tu/8:30-9, 10-10:30am, Wed. 8:30-9pm.
19.84S	15.12	HVJ	Vatican City	12:05-2, 10:40am-4:25pm.
19.85	15.11	DJL	Berlin, Germany	4-5:30, 6-7:25, 7:30-9pm irreg.
19.87	15.10	2R012	Rome, Italy	7-8:30pm to NA, 8:30-9pm, French
19.95	15.04	RKI	Moscow, U.S.S.R.	6-7pm; Wed. 4-4:10pm.
20.08	14.94	PSE	Rio de Janeiro, Brazil	Sat. 8:30-9pm; Sun. 8:30-9pm.
20.11	14.92	KQH	Kahuku, Hawaii	Irreg. *
20.64	14.535	HBJ	Geneva, Switzerland	Sun. 12:30-1, or 1:30am.
21.58	13.90	YN3DG	Leon, Nicaragua	6:40-10:40am, 5:10-9:40pm.
24.02	12.49	H1LN	Trujillo City, D.R.	7-8:15, 11:30am-2:30, 5-10:30pm
24.08	12.46	HGJB	Quito, Ecuador	Now off air. (ex. Mon.)
24.53	12.235	TFJ	Reykjavik, Iceland	Intermittently throughout day & 4:50-11pm. *(night.
25.00	12.00	RNE	Moscow, U.S.S.R.	10am-1, 5-10:30pm.
25.12	11.945	CB1180	Santiago, Chile	5:30-7:20, 7:20-7:35, 7:40-9, 9:30-11, 11:10-11:50, 2-4:20, 4:30-620 pm...NEWS- 6:15am, 5pm. *
25.19	11.91	CD1190	Valdivia, Chile	Heard occasionally near 6pm. *
25.22SV	11.895	XGOY	Szechwan, China	1-4, 10:15am-5:15pm to Asia/Afr.
25.22F	11.895		Moscow, U.S.S.R.	4:45-7:45pm to SA; 8pm-12:45am to N.A...NEWS-8:03, 11:30pm, 12:15
25.24S	11.885	TPA3	Paris, France	330pm-2:15am. *(am)
25.25S	11.880	TPB7	Paris, France	2:30-3:30am to S. Europe & N. Afr.
25.25S	11.88	VLR3	Melbourne, Australia	3-9, 10-11pm or later. (rica*
25.27N	11.87	VLQ2	SYDNEY, AUSTRALIA	3:30-5am to Far East, 6:22-9:15p
25.27	11.87	WPIT	Pittsburgh, Pa.	Intermittent daily. (to SA.
25.30S	11.86	GSE	London, England	3-6pm to S.A. through Feb. 12.
25.30	11.855	DJP	Berlin, Germany	5:30-9am. *
25.32S	11.85	HAD	Budapest, Hungary	11:30-12:30pm (NA); NEWS-12:20pm.
25.32N	11.85		? Indo-China	1:45-5pm to Madagascar. *
25.33SC	11.845	TPC8	Paris, France	12:30-1:30pm to Africa. *
25.36S	11.83	VLW3	Perth, W. Australia	4-6; Su. 3-6pm to Europe; 6:30-10
25.36	11.83	WCBX	New York City, N.Y.	5-9:20pm. (pm to S.A.
25.37	11.825	CXAL4	Colonia, Uruguay	10am-4pm & evenings irreg.
25.38	11.82	XEBR	Hermosillo, Mexico	4:10am-2:59, 6-7:25, 7:30-9pm to
25.40	11.81	2RO4	Rome, Italy	Irregular. (N.A...News, 7:30pm
25.42	11.80	COGF	Matanzas, Cuba	12-1:30am to NA, 7-9:30am, 4:30
25.42	11.80	JZJ	Tokio, Japan	-5:30pm...NEWS- at 12:03am.
25.45S	11.79	WRUL	Boston, Mass.	2-5pm; Sun. 10am-12 noon.
25.47S	11.78		Saigon, F. Indo-China	5:45-10:15, 10:30-11am, 6:30-715, 11:45pm-12:45am...NEWS- 6, 10:30
25.47	11.78	HP5G	Panama City, Panama	12-1pm (Su. 10am-1pm), 6-10pm.
25.48	11.775	MTCY	Hsinking, Manchoukuo	1:30-2:20am to NA, 9:50-10:50-am, 4-4:50pm.
25.49	11.77	DJD	Berlin, Germany	10:45am-4:25pm, 4:55-10:50pm to NA...NEWS- 6:00, 8:15, 10:30pm.
25.51	11.76	XETA	Monterrey, Mexico	Heard at 10:30pm. (7:30-9pm ir.
25.51S	11.76	2R015	Rome, Italy	10am-12 noon; afternoons and
25.53S	11.75	GSD	London, England	12:57-5, 11:52am-3:30, 3:50-6, 937 pm-12:30am to NA...NEWS- 3:50,- 4:45, 9:45, 11pm.
25.55	11.74	CB1174	Santiago, Chile	6-11pm; Sun. 6-10:30pm.
25.55S	11.74	HVJ	Vatican City	Wed. 9-9:30pm to S.A.
25.57	11.735	LKQ	Oslo, Norway	4:30-8:50am; Su. 2:30-8:50am.
25.58	11.73	WRUW/WRUL	Boston, Mass.	5:30-8:30, 8:45-10:30pm, Su. 2-9pm
25.59S	11.725	JWV3	Tokio, Japan	1-7am irreg. *
25.60S	11.72	CJRX	Winnipeg, Canada	4-8:30pm. *(am-6pm. *
25.60	11.72	ZP14	Villarica, Paraguay	Mon. thru Fri. 4-7:50pm, Sa/Su 11-
25.60	11.718	TPA4	Paris, France	6-7:45pm, 8pm-12:30am to N.A.
25.62S	11.71	YSM	San Salvador, El Salvador	1-2; 7-9:30pm irreg. *
25.63S	11.705	SBP	Motala, Sweden	12:57-4:30pm, Su. 3am-4:30pm; Daily 8-8:30pm to NA...NEWS, 8pm

8	25.64S	11.70	HP5A	Panama City, Panama	7-10:40am, 5-10:45pm, Su. 6-10:45p
	25.64	11.70	CB1170	Santiago, Chile	10am-2, 3:30pm-mid.
	25.64	11.70	IQY	Rome, Italy	5:20-5:40, 1:50-2:30pm Russian, - 12:07-12:56pm Arabic; 7:30-9pm- 7-9am...NEWS- 8:10am. * (to NA)
	25.75S	11.65	XGOK	Canton, China	Relays CX25 nightly.
	26.13	11.48	CXA7	Montevideo, Uruguay	Mon/Wed 6:45-8:15pm, Tu. 12:45- 2:15pm; Sat. 12:45-2:00pm.
	26.32S	11.402	HBO	Geneva, Switzerland	12-3:30; Sun. 10am-3:30pm. 4:30-10:30am, 6-9, 10:30pm-2am.
	27.17	11.04	CSW5	Lisbon, Portugal	Relays JFAK 9-9:55am; 4-5am ir.
	27.27	11.00	PLP	Bandoeng, Java	Experimental irreg.
	28.30	10.60	ZIK2	Belize, Brit. Honduras	San Salvador, El Salvador 1-3, 6:30-11pm.
	28.48	10.535	JIB	Taihoku, Taiwan	1:30-3pm to Belgian Congo.
	28.49	10.53	DZD	Berlin, Germany	3-3:10, 6:30-9pm irreg. (sun
	28.55	10.40	YSP	San Salvador, El Salvador	4:30-11:30am, 6-9, 10:30pm-2am ex
	29.04	10.33	ORK	Ruyselede, Belgium	5:55-7pm; Mon. 8-8:30pm to NA
	29.15	10.29	DZC	Berlin, Germany	German Freedom sender Heard near 4:30pm. *
	29.24	10.26	PMN	Bandoeng, Java	4:30-8pm.
	29.35	10.22	PSH	Ric de Janeiro, Brazil	7-8am...NEWS- at 7:45am.
	29.32SS	10.07			Tananarive, Madagascar 10-11am. (NEWS- at 8:40p
	29.83	10.065	TIEM	San Jose, C.R.	5:30-7:30, 7:45-8:50pm to NA...
	30.23	9.925	JDY	Darien, Manchukuo	8am-12:30am.
	30.40	9.87			5:20-5:40am, 12-12:25, 1:50-2:30, 6-7:25, 7:30-9pm to NA.
	30.45S	9.855	EAQ	Madrid, Spain	1-2, 7-9pm; Sun. 1-2, 5-8pm.
	30.54J	9.825	COCM	Havana, Cuba	4-5:30, 5:45-9pm to NA. *
	30.57V	9.815	IRF	Rome, Italy	7am-11:30pm intermittently.
	30.67	9.78	HH3W	Port-au-Prince, Haiti	7:05-9am. *
	30.80	9.74	CSW7	Lisbon, Portugal	Nightly to 9, sometimes to 11pm.
	30.83	9.73	CB970	Valparaiso, Chile	Fort-de-France, Martinique 6-8:10 or 9:30pm.
	30.83S	9.73	HJFK	Pereira, Colombia	9:05-10:20am.
	30.92	9.705	HJCF	Bogota, Colombia	Tu/Th/Sat 9-10pm; Sun. 7-8am.
	30.92F	9.705			12:25-5:15, 11:52am-8pm to Er.
	30.95	9.695	JIE3	Tyureki, Taiwan	4:40-9:40am; Wed/Sat 12:40-1:40 am; Sun. 5:40-9:40am. (8pm
	30.96	9.69	TI4NRH	Heredia, Costa Rica	9:30am-noon, 4:30-8pm; Sa/Su. 6- 10-11:30pm ex. Su; Su. 7pm-mid.
	30.96	9.69	GRX	London, England	Moscow, U.S.S.R. 6:30-11am 2-6pm irreg. *
	30.96V	9.69	ZHP	Singapore, S.S.	Mexico City, D.F. 5pm-12:45am. (NEWS-8:03, 11:30pm 6-7:45pm;
	30.96	9.688	LRA1	Buenos Aires, Argen.	10:40am-4:25pm.
	30.98	9.685	TGWA	Guatemala, Guatemala	New York City, N.Y. 4pm-lam to Latin America.
	30.98N	9.685			Saigon, F. Indo-China Heard daily to 10:30am. *
	30.99	9.68	XEQQ	Mexico City, D.F.	Rome, Italy 12:20-1, 1:19-5:30, 6:16-6:30pm.
	30.99C	9.68	TPC23	Paris, France	Buenos Aires, Argen. 5:30-6:45, 9:15am-10pm. *
	31.01	9.675	DJX	Vienna, Germany	Vatican City Sundays 5-5:30am. (-2:30pm.
	31.02	9.67	WRCA	New York City, N.Y.	Addis Abeba, I.E.A. 3:30-5:30a, Su. 2:30-5:30am; 8am
	31.02	9.67			New York City, N.Y. 10:30-11:30pm to Latin America.
	31.03	9.667	2RO9	Rome, Italy	LOURENCO MARQUES, MOZAMBIQUE 2-4pm. *
	31.06S	9.66	LRX	Buenos Aires, Argen.	PERTH, W. AUSTRALIA 3-10:30am; Sun. 3-9:30am. *
	31.06	9.66	HVJ	Vatican City	Szechwan, China 1-3, 9-9:30am. *
	31.09	9.65	12AA	Addis Abeba, I.E.A.	Colonia, Uruguay 5am-10:45pm; Sat. to lam.
	31.09	9.65	WCBX	New York City, N.Y.	Manila, Philippines 4-11am...NEWS- 7:30, 8:45am. (31
	31.09VN	9.65	CR7BE	LOURENCO MARQUES, MOZAMBIQUE	Rome, Italy 1-2am ir; 12:07-2:59, 6-7:30, - 7:30-9pm to N.A...NEWS- at 7:30
	31.11N	9.645	VLW2	PERTH, W. AUSTRALIA	4-10:30am.
	31.11F	9.645	XGOY	Szechwan, China	10:30am-12:30, 3:30-9:30pm.
	31.12	9.64	CXA8	Colonia, Uruguay	6-9pm to NA thru Feb. 12
	31.14	9.635	KZRH	Manila, Philippines	San Jose, C.R. 7-9:30am, 12-2, 6-11:30pm
	31.14V	9.635	2RO3	Rome, Italy	Capetown, S. Africa 11:45pm-2:50am ex. Sat; 3:30-7:20, 9-11:45am; Su. 3:30-11:45am inter
	31.15	9.63	JFO	Taihoku, Taiwan	2-4, 6:30-7, 7-8 to NA, 8:15-8:45, 10:30-11:30am to NA. *
	31.17	9.625	CXA6	Montevideo, Uruguay	
	31.17S	9.625	HAD	Budapest, Hungary	
	31.19S	9.62	TIPG	San Jose, C.R.	
	31.21	9.615	ZRL	Capetown, S. Africa	
	31.21N	9.615	VLQ	SYDNEY, AUSTRALIA	

8	25.64S	11.70	HP5A	Panama City, Panama	7-10:40am, 5-10:45pm, Su. 6-10:45p
	25.64	11.70	CB1170	Santiago, Chile	10am-2, 3:30pm-mid.
	25.64	11.70	IQY	Rome, Italy	5:20-5:40, 1:50-2:30pm Russian, - 12:07-12:56pm Arabic; 7:30-9pm- 7-9am...NEWS- 8:10am. * (to NA)
	25.75S	11.65	XGOK	Canton, China	Relays CX25 nightly.
	26.13	11.48	CXA7	Montevideo, Uruguay	Mon/Wed 6:45-8:15pm, Tu. 12:45- 2:15pm; Sat. 12:45-2:00pm.
	26.32S	11.402	HBO	Geneva, Switzerland	12-3:30; Sun. 10am-3:30pm. 4:30-10:30am, 6-9, 10:30pm-2am.
	27.17	11.04	CSW5	Lisbon, Portugal	Relays JFAK 9-9:55am; 4-5am ir.
	27.27	11.00	PLP	Bandoeng, Java	Experimental irreg.
	28.30	10.60	ZIK2	Belize, Brit. Honduras	San Salvador 1-3, 6:30-11pm.
	28.48	10.535	JIB	Taihoku, Taiwan	1:30-3pm to Belgian Congo.
	28.49	10.53	DZD	Berlin, Germany	3-3:10, 6:30-9pm irreg. (sun
	28.55	10.40	YSP	San Salvador, El Salvador	4:30-11:30am, 6-9, 10:30pm-2am ex
	29.04	10.33	ORK	Ruyselede, Belgium	5:55-7pm; Mon. 8-8:30pm to NA
	29.15	10.29	DZC	Berlin, Germany	German Freedomsender Heard near 4:30pm. *
	29.24	10.26	PMN	Bandoeng, Java	4:30-8pm.
	29.35	10.22	PSH	Ric de Janeiro, Brazil	7-8am...NEWS- at 7:45am.
	29.32SS	10.07			Tananarive, Madagascar 10-11am. (NEWS- at 8:40p
	29.83	10.065	TIEM	San Jose, C.R.	5:30-7:30, 7:45-8:50pm to NA...
	30.23	9.925	JDY	Darien, Manchukuo	8am-12:30am.
	30.40	9.87			5:20-5:40am, 12-12:25, 1:50-2:30, 6-7:25, 7:30-9pm to NA.
	30.45S	9.855	EAQ	Madrid, Spain	1-2, 7-9pm; Sun. 1-2, 5-8pm.
	30.54J	9.825	COCM	Havana, Cuba	4-5:30, 5:45-9pm to NA. *
	30.57V	9.815	IRF	Rome, Italy	7am-11:30pm intermittently. *
	30.67	9.78	HH3W	Port-au-Prince, Haiti	7:05-9am. *
	30.80	9.74	CSW7	Lisbon, Portugal	Nightly to 9, sometimes to 11pm.
	30.83	9.73	CB970	Valparaiso, Chile	Fort-de-France, Martinique 6-8:10 or 9:30pm.
	30.83S	9.73	HJFK	Pereira, Colombia	9:05-10:20am.
	30.92	9.705	HJCF	Bogota, Colombia	Tu/Th/Sat 9-10pm; Sun. 7-8am.
	30.92F	9.705			12:25-5:15, 11:52am-8pm to Er.
	30.95	9.695	JIE3	Tyureki, Taiwan	4:40-9:40am; Wed/Sat 12:40-1:40 am; Sun. 5:40-9:40am. (8pm
	30.96	9.69	TI4NRH	Heredia, Costa Rica	9:30am-noon, 4:30-8pm; Sa/Su. 6- 10-11:30pm ex. Su; Su. 7pm-mid.
	30.96	9.69	GRX	London, England	6:30-11am 2-6pm irreg. *
	30.96V	9.69	ZHP	Singapore, S.S.	5pm-12:45am. (NEWS-8:03, 11:30pm 6-7:45pm;
	30.96	9.688	LRA1	Buenos Aires, Argen.	10:40am-4:25pm.
	30.98	9.685	TGWA	Guatemala, Guatemala	4pm-lam to Latin America.
	30.98N	9.685			Saigon, F. Indo-China Heard daily to 10:30am. *
	30.99	9.68	XEQQ	Moscow, U.S.S.R.	12:20-1, 1:19-5:30, 6:16-6:30pm.
	30.99C	9.68	TPC23	Mexico City, D.F.	5:30-6:45, 9:15am-10pm. *
	31.01	9.675	DJX	Paris, France	Sundays 5-5:30am. (-2:30pm.
	31.02	9.67	WRCA	Vienna, Germany	3:30-5:30a, Su. 2:30-5:30am; 8am
	31.02	9.67			10:30-11:30pm to Latin America.
	31.03	9.667	2RO9	New York City, N.Y.	LOURENCO MARQUES, MOZAMBIQUE 2-4pm. *
	31.06S	9.66	LRX	Rome, Italy	PERTH, W. AUSTRALIA 3-10:30am; Sun. 3-9:30am. *
	31.06	9.66	HVJ	Buenos Aires, Argen.	1-3, 9-9:30am. *
	31.09	9.65	12AA	Vatican City	5am-10:45pm; Sat. to lam.
	31.09	9.65	WCBX	Addis Abeba, I.E.A.	4-11am...NEWS- 7:30, 8:45am. (31
	31.09VN	9.65	CR7BE	New York City, N.Y.	1-2am ir; 12:07-2:59, 6-7:30, - 7:30-9pm to N.A...NEWS- at 7:30 4-10:30am.
	31.11N	9.645	VLW2	LOURENCO MARQUES, MOZAMBIQUE	10:30am-12:30, 3:30-9:30pm.
	31.11F	9.645	XGOY	PERTH, W. AUSTRALIA	6-9pm to NA thru Feb. 12
	31.12	9.64	CXA8	Szechwan, China	7-9:30am, 12-2, 6-11:30pm
	31.14	9.635	KZRH	Colonia, Uruguay	11:45pm-2:50am ex. Sat; 3:30-7:20, 9-11:45am; Su. 3:30-11:45am inter
	31.14V	9.635	2RO3	Manila, Philippines	2-4, 6:30-7, 7-8 to NA, 8:15-8:45, 10:30-11:30am to NA. *
	31.15	9.63	JFO	Rome, Italy	
	31.17	9.625	CXA6	Taihoku, Taiwan	
	31.17S	9.625	HAD	Montevideo, Uruguay	
	31.19S	9.62	TIPG	Budapest, Hungary	
	31.21	9.615	ZRL	San Jose, C.R.	
	31.21N	9.615	VLQ	Capetown, S. Africa	
				SYDNEY, AUSTRALIA	

31.22	9.61	DXB	Berlin,Germany	11-4:50,4:55pm-lam to N.A..... NEWS- 5,8:15,10:30pm,12 mid.
31.23V	9.607	HP5J	Panama City,Panama	12-1:30,6:30-10:30pm (7-8am)
31.25S	9.60	RAN	Moscow,U.S.S.R.	3-7,7-8:30pm to NA,8:30-9:30pm.
31.25	9.60	CB960	Santiago,Chile	8-11:30pm. (NEWS- at 7pm.)
31.27S	9.595	EIRE	Athlone,Ireland	12:30-4:30,5-6pm.
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.
31.28	9.59	WCAB	Philadelphia,Pa.	M/Th/Sa 6:30-pm-2am; Wd.9pm-2am.
31.28	9.59	VUD2	Delhi,India	1:30-3:30,6:30am-12:30,9:30-
31.32S	9.58	VLR	Melbourne,Australia	2:30-9,9-9:30am. *(11:30pm
31.32	9.58	GSC	London,England	12:57-1:45,11:52am-1:25,1:30- 3:30,3:50-6,6:22-9:15,9:37pm- 12:30am to NA...NEWS-3:50-4:45, 6:30,7:30,9:45,11pm.
31.35	9.57	KZRM	Manila,Philippines	4:30-6pm ex.Su; Mon.to Fr.5-9am.
31.35	9.57	WBOS	Boston,Mass.	6-9am, Relays CBS 3pm-lam.
31.35	9.57	CXA2	Montevideo,Uruguay	11am-4, 4:30-9:30pm.
31.38N	9.56	XEFA	MONTERREY,MEXICO	10am-12 mid.
31.38S	9.56	DJA	Berlin,Germany	9am-10:50pm. *
31.38	9.556	OAX4T	Lima,Peru	11:30am-1:30pm. (Sa;Sa.7pm-2am.
31.40	9.55	YDB	Soerabaja,Java	4:30-10:30am,6-9,10:30pm-2am ex.
31.40	9.55	VUD2	Bombay,India	1:30-3:30,5-6am,9:30-10:30pm.
31.41	9.55	WGEA	Schenectady,N.Y.	6:15-9:15pm to Latin America.
31.41	9.55	XEFT	Veracruz,Mexico	7:30pm-midnight.
31.45	9.54	DJN	Berlin,Germany	12:05-2:30am,4:50-10:50pm.
31.47	9.535	SBU	Motala,Sweden	4:35-5:05pm; 8-8:30pm to NA.....
31.47	9.535	JZI	Tokio,Japan	7-9:30am, 2-4pm. (NEWS- 8pm
31.48	9.53	WGEO	Schenectady,N.Y.	3-6pm to Europe, 6-11:45pm to SA
31.48	9.53	KGEI	San Francisco,Calif.	12-3, 7am-12 noon to Asia.
31.48	9.528	VUC2	Calcutta,India	2-4am,10pm-2am. (am
31.50	9.525	ZBW3	Hong Kong,Hong Kong	5-10am,11:30pm-1:15am;Su.5-9:30
31.50F	9.52		Paris,France	8pm-12:30am to NA.
31.50	9.52	ZRG	Pretoria,So.Africa	5-7am; Sundays 5:30-7am.
31.51	9.52	OZF	Skamlebak,Denmark	8-9:30, 9:30-11pm to N.A.
31.52	9.517	XEDQ	Guadalajara,Mexico	Noon-4:30, 7pm-12 mid.
31.55	9.51	GSB	London,England	12:57-3:15,9-11:30am,145-3:30, 3:50-6,6:22-9:15,9:37pm-12:30am.
31.57	9.505	YUC	Belgrade,Yugoslavia	11:20am-1,2:20-4:20pm...NEWS-
31.57	9.503	XEWW	Mexico D.F.,Mexico	7:45am-12:30am. (at 4pm
31.60	9.492	KZIB	Manila,Philippines	5:30-10am,6-11pm...NEWS- at 7:30
31.65	9.48	VONG	St.John's,Nfld.	8:30am-1:30pm;4:30-9:30pm- (am
31.70	9.465	TAP	Ankara,Turkey	irreg...NEWS- at 1pm. 5:30-7am; Sat.6:30-8:30am; Sun. 5:30-7:30am; Daily 11am-4:30pm.
31.77	9.445	HCODA	Guayaquil,Ecuador	8:15-10:15pm ex.Sundays.
31.78	9.44	COCH	Havana,Cuba	8am-11pm; Sun.8am-10pm.
31.91	9.40	OAX5C	Ica,Peru	7-11:30pm.
32.00V	9.375	COBC	Havana,Cuba	7am-12 mid; Sun.7am-10:30pm.
32.11S	9.345	HBL	Geneva,Switzerland	Mon/Wed 8:45-10:15pm,
32.12	9.34	OAX4J	Lima,Peru	Noon-3,5pm-12 mid.
32.28	9.295	HI2G	Trujillo City,D.R.	6:40-8:40,11:40am-2:10,3:40-4:40
32.29	9.29	LYR	Kaunas,Lithuania	Irreg. at present. (pm
32.54S	9.234		Bucharest,Roumania	12:02-5pm.
32.61	9.200	COCX	Havana,Cuba	8am-12 mid.
32.64	9.19	HC2ET	Guayaquil,Ecuador	8-10pm; Sun.8:30-10:30pm.
32.70FSV	9.175	HCLGQ	Quito,Ecuador	Mon/Wed/Sat 9-10:30pm.
32.84FJ	9.135	HC2CW	Guayaquil,Ecuador	11am-1, 7-11pm.
32.95S	9.125	HAT4	Budapest,Hungary	7-8:30pm.
33.22V	9.03	COBZ	Havana,Cuba	7:42am-lam; Sun.7:42am-mid.
33.48	8.96	TPZ2	Algiers,Algeria	Tuesdays 12:30-1:30pm.
33.48F	8.96	COKG	Santiago,Cuba	5-9:50pm.
33.98	8.83	COCQ	Havana,Cuba	6:50am-lam.



31.22	9.61	DXB	Berlin,Germany	11-4:50,4:55pm-lam to N.A..... NEWS- 5,8:15,10:30pm,12 mid.
31.23V	9.607	HP5J	Panama City,Panama	12-1:30,6:30-10:30pm (7-8am)
31.25S	9.60	RAN	Moscow,U.S.S.R.	3-7,7-8:30pm to NA,8:30-9:30pm.
31.25	9.60	CB960	Santiago,Chile	8-11:30pm. (NEWS- at 7pm.)
31.27S	9.595	EIRE	Athlone,Ireland	12:30-4:30,5-6pm.
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.
31.28	9.59	WCAB	Philadelphia,Pa.	M/Th/Sa 6:30-pm-2am; Wd.9pm-2am.
31.28	9.59	VUD2	Delhi,India	1:30-3:30,6:30am-12:30,9:30-
31.32S	9.58	VLR	Melbourne,Australia	2:30-9,9-9:30am. *(11:30pm
31.32	9.58	GSC	London,England	12:57-1:45,11:52am-1:25,1:30- 3:30,3:50-6,6:22-9:15,9:37pm- 12:30am to NA...NEWS-3:50-4:45, 6:30,7:30,9:45,11pm.
31.35	9.57	KZRM	Manila,Philippines	4:30-6pm ex.Su; Mon.to Fr.5-9am.
31.35	9.57	WBOS	Boston,Mass.	6-9am, Relays CBS 3pm-lam.
31.35	9.57	CXA2	Montevideo,Uruguay	11am-4, 4:30-9:30pm.
31.38N	9.56	XEFA	MONTERREY,MEXICO	10am-12 mid.
31.38S	9.56	DJA	Berlin,Germany	9am-10:50pm. *
31.38	9.556	OAX4T	Lima,Peru	11:30am-1:30pm. (Sa;Sa.7pm-2am.
31.40	9.55	YDB	Soerabaja,Java	4:30-10:30am,6-9,10:30pm-2am ex.
31.40	9.55	VUD2	Bombay,India	1:30-3:30,5-6am,9:30-10:30pm.
31.41	9.55	WGEA	Schenectady,N.Y.	6:15-9:15pm to Latin America.
31.41	9.55	XEFT	Veracruz,Mexico	7:30pm-midnight.
31.45	9.54	DJN	Berlin,Germany	12:05-2:30am,4:50-10:50pm.
31.47	9.535	SBU	Motala,Sweden	4:35-5:05pm; 8-8:30pm to NA.....
31.47	9.535	JZI	Tokio,Japan	7-9:30am, 2-4pm. (NEWS- 8pm
31.48	9.53	WGEO	Schenectady,N.Y.	3-6pm to Europe, 6-11:45pm to SA
31.48	9.53	KGEI	San Francisco,Calif.	12-3, 7am-12 noon to Asia.
31.48	9.528	VUC2	Calcutta,India	2-4am,10pm-2am. (am
31.50	9.525	ZBW3	Hong Kong,Hong Kong	5-10am,11:30pm-1:15am;Su.5-9:30
31.50F	9.52		Paris,France	8pm-12:30am to NA.
31.50	9.52	ZRG	Pretoria,So.Africa	5-7am; Sundays 5:30-7am.
31.51	9.52	OZF	Skamlebak,Denmark	8-9:30, 9:30-11pm to N.A.
31.52	9.517	XEDQ	Guadalajara,Mexico	Noon-4:30, 7pm-12 mid.
31.55	9.51	GSB	London,England	12:57-3:15,9-11:30am,145-3:30, 3:50-6,6:22-9:15,9:37pm-12:30am.
31.57	9.505	YUC	Belgrade,Yugoslavia	11:20am-1,2:20-4:20pm...NEWS-
31.57	9.503	XEWW	Mexico D.F.,Mexico	7:45am-12:30am. (at 4pm
31.60	9.492	KZIB	Manila,Philippines	5:30-10am,6-11pm...NEWS- at 7:30
31.65	9.48	VONG	St.John's,Nfld.	8:30am-1:30pm;4:30-9:30pm- (am
31.70	9.465	TAP	Ankara,Turkey	irreg...NEWS- at 1pm. 5:30-7am; Sat.6:30-8:30am; Sun. 5:30-7:30am; Daily 11am-4:30pm.
31.77	9.445	HCODA	Guayaquil,Ecuador	8:15-10:15pm ex.Sundays.
31.78	9.44	COCH	Havana,Cuba	8am-11pm; Sun.8am-10pm.
31.91	9.40	OAX5C	Ica,Peru	7-11:30pm.
32.00V	9.375	COBC	Havana,Cuba	7am-12 mid; Sun.7am-10:30pm.
32.11S	9.345	HBL	Geneva,Switzerland	Mon/Wed 8:45-10:15pm,
32.12	9.34	OAX4J	Lima,Peru	Noon-3,5pm-12 mid.
32.28	9.295	HI2G	Trujillo City,D.R.	6:40-8:40,11:40am-2:10,3:40-4:40
32.29	9.29	LYR	Kaunas,Lithuania	Irreg. at present. (pm
32.54S	9.234		Bucharest,Roumania	12:02-5pm.
32.61	9.200	COCX	Havana,Cuba	8am-12 mid.
32.64	9.19	HC2ET	Guayaquil,Ecuador	8-10pm; Sun.8:30-10:30pm.
32.70FSV	9.175	HCLGQ	Quito,Ecuador	Mon/Wed/Sat 9-10:30pm.
32.84FJ	9.135	HC2CW	Guayaquil,Ecuador	11am-1, 7-11pm.
32.95S	9.125	HAT4	Budapest,Hungary	7-8:30pm.
33.22V	9.03	COBZ	Havana,Cuba	7:42am-lam; Sun.7:42am-mid.
33.48	8.96	TPZ2	Algiers,Algeria	Tuesdays 12:30-1:30pm.
33.48F	8.96	COKG	Santiago,Cuba	5-9:50pm.
33.98	8.83	COCQ	Havana,Cuba	6:50am-lam.

10	34.12	8.795	CNP	Casablanca, Morocco	3-4pm.
	34.48	8.70	COCQ	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.
	36.59	8.20	PSK	Rio de Janeiro, Brazil	5:55-7pm.
	37.50	8.00	HCLTC	Quito, Ecuador	Saturdays 8-10:30pm.
	37.69F	7.96	HS8PJ	Bangkok, Thailand	7-10am. *
	38.00	7.894	YSD	San Salvador, El Salvador	7-10:30pm.
	38.12	7.87	HCLRB	Quito, Ecuador	8:30-11:30pm.
	38.20	7.854	HC2JSB	Guayaquil, Ecuador	11am-2, 4-11pm.
	38.25	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 (-3:30pm
	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.
	39.89	7.52	RKI	Moscow, U.S.S.R.	3-6:30pm...4:30-6pm in English.
	40.00N	7.50	VQ2CM	LUANSHYA, N. RHODESIA	Mon/Fri. 12 noon-12:30pm. *
	40.05	7.49	EAJ43	Tenerife, Canarias	7-8pm.
	40.32S	7.44	FG8AH	Pointe-a-Pitre, Guadeloupe	6-7:10pm, Sun. 9:30-11am.
	40.65	7.38	XECR	Mexico D.F., Mexico	Sundays 6-7pm to N.A.
	41.01S	7.31	VIG	Port Moresby, Papua	Feb. 17, March 2, 3-5am.
	41.13	7.295	JIE	Tyureki, Taiwan	9:05-10:20am.
	41.19	7.284	YNLIP	Managua, Nicaragua	Sundays 10-11am.
	41.21CS	7.28	TPB25	Paris, France	1-4, 10:15am-4:15pm to Asia/Afr.
	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.
	41.38	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, through Feb. 12
	41.55	7.22	YDX	Medan, Sumatra	6-10:30am; 10:30pm-2am.
	41.55	7.22	EAJ9	Malaga, Spain	4-6pm.
	42.24	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 6:40-10:40pm. (8:40p
	44.38	6.76	YNRF	Managua, Nicaragua	6:40-10:40pm. (8:40p
	44.38	6.76	HI7P	Trujillo City, D.R.	7:10-8:40pm; Sun. 9:40-10:40pm.
	44.58	6.73	HI3C	La Romana, D.R.	4:55 to, from 6 to 8pm.
	44.64	6.72	PMH	Bandoeng, Java	4:30-11am; Sun. 8:30pm-1:30am.
	44.81F	6.695	TIEP	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.
	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.
	46.48FV	6.455	COHI	Santa Clara, Cuba	7am-12:15am. *
	46.55	6.445	TGWB	Guatemala, Guatemala	7:45-9, 12:45-3:45, 7:30pm-12:15am, Sun. 10:30am-5:15, 7pm-12mid.
	46.76	6.416	HI1S	Santiago, D.R.	5:40-7:40pm ex. Sundays.
	46.88	6.40	TGQA	Quezaltenango, Guatemala	8-11pm; Sat. 8pm-1am, Sun.-
	46.92FS	6.395	HI9B	Santiago, D.R.	7:40-8:40pm. (7am-3:00pm.
	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.
	47.06J	6.375	COCQ	Havana, Cuba	7pm-1am. (pm
	47.22	6.355	HRP1	San Pedro Sula, Honduras	6-7:30am, 2-4; irreg. to 10-
	47.28	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.
	47.36	6.335	OAXLA	Cnicalayo, Peru	8-11pm.

10	34.12	8.795	CNP	Casablanca, Morocco	3-4pm.
	34.48	8.70	COCQ	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.
	36.59	8.20	PSK	Rio de Janeiro, Brazil	5:55-7pm.
	37.50	8.00	HCLUTC	Quito, Ecuador	Saturdays 8-10:30pm.
	37.69F	7.96	HS8PJ	Bangkok, Thailand	7-10am. *
	38.00	7.894	YSD	San Salvador, El Salvador	7-10:30pm.
	38.12	7.87	HCLRB	Quito, Ecuador	8:30-11:30pm.
	38.20	7.854	HC2JSB	Guayaquil, Ecuador	11am-2, 4-11pm.
	38.25	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 (-3:30pm
	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.
	39.89	7.52	RKI	Moscow, U.S.S.R.	3-6:30pm...4:30-6pm in English.
	40.00N	7.50	VQ2CM	LUANSHYA, N. RHODESIA	Mon/Fri. 12 noon-12:30pm. *
	40.05	7.49	EAJ43	Tenerife, Canarias	7-8pm.
	40.32S	7.44	FG8AH	Pointe-a-Pitre, Guadeloupe	6-7:10pm, Sun. 9:30-11am.
	40.65	7.38	XECR	Mexico D.F., Mexico	Sundays 6-7pm to N.A.
	41.01S	7.31	VIG	Port Moresby, Papua	Feb. 17, March 2, 3-5am.
	41.13	7.295	JIE	Tyureki, Taiwan	9:05-10:20am.
	41.19	7.284	YNLIP	Managua, Nicaragua	Sundays 10-11am.
	41.21CS	7.28	TPB25	Paris, France	1-4, 10:15am-4:15pm to Asia/Afr.
	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.
	41.38	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, through Feb. 12
	41.55	7.22	YDX	Medan, Sumatra	6-10:30am; 10:30pm-2am.
	41.55	7.22	EAJ9	Malaga, Spain	4-6pm.
	42.24	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 6:40-10:40pm. (8:40p
	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.
	44.58	6.73	HI3C	La Romana, D.R.	4:55 to, from 6 to 8pm.
	44.64	6.72	PMH	Bandoeng, Java	4:30-11am; Sun. 8:30pm-1:30am.
	44.81F	6.695	TIEP	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.
	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.
	46.48FV	6.455	COHI	Santa Clara, Cuba	7am-12:15am. *
	46.55	6.445	TGWB	Guatemala, Guatemala	7:45-9, 12:45-3:45, 7:30pm-12:15am, Sun. 10:30am-5:15, 7pm-12mid.
	46.76	6.416	HI1S	Santiago, D.R.	5:40-7:40pm ex. Sundays.
	46.88	6.40	TGQA	Quezaltenango, Guatemala	8-11pm; Sat. 8pm-1am, Sun.-
	46.92FS	6.395	HI9B	Santiago, D.R.	7:40-8:40pm. (7am-3:00pm.
	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.
	47.06J	6.375	COCQ	Havana, Cuba	7pm-1am. (pm
	47.22	6.355	HRP1	San Pedro Sula, Honduras	6-7:30am, 2-4; irreg. to 10-
	47.28	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.
	47.36	6.335	OAXLA	Cnicalayo, Peru	8-11pm.

47.39	6.33	COCW	Havana, Cuba	7:55am-12:15am; Sun.9:55am-10pm
47.51	6.315	HI1Z	Trujillo City, D.R.	11:40am-12:40pm; 5:10-7:40pm ex
47.62V	6.30	OAX4G	Lima, Peru	6-12 mid. (Sun.)
47.69	6.29	HI1G	Trujillo City, D.R.	6:40-8:40, 11:40am-2:10, 3:40-940
47.96	6.255	CP12	La Paz, Bolivia	7-9pm. (pm)
48.04	6.245	HI1N	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.
48.44	6.193	TG2	Guatemala, Guatemala	7:30-10am, 6-11:30pm, Sa. 6pm-3am, Sun.3-8pm. For IDA Sun.2-2:30am, 10:40am-1:40, 6:40-9:40pm.
48.47	6.19	HI1A	Santiago, D.R.	Sun.8:30-9pm to Brazil, 9-9:30pm to Canada; Su/Wd.9:30-10pm to NA
48.47S	6.19-	HVJ	Vatican City	Tu/Thurs/Sat 6-7pm, Sun.8-10pm.
48.51	6.185	TIRCC	San Jose, C.R.	5-8pm; Sat./Sun. 6-8pm.
48.54	6.18	LR2C	Buenos Aires, Arg.	8-11am, 2:30-4, 7:30pm-12:45am.
48.58	6.175	XXEX	Mexico D.F., Mexico	5:10-7:40pm; to 10pm irreg.
48.58	6.175	HI4V	S.F.de Macoris, D.R.	Noon-2:30pm, 6-11pm.
48.66	6.165	TILS	San Jose, C.R.	Nueva Grande, Colombia To 10:30pm; Sat.to 11:40pm.
48.70	6.160	HJCD	Nueva Grande, Colombia	Sun Salvador, El Salvador Nightly to approx.9:15pm.
48.78	6.15	YSW	San Salvador, El Salvador	8:30pm-1:30am...NEWS- 10:45pm.
48.78S	6.15	CJRO	Winnipeg, Canada	11:20am-3:45pm; Sun.11:30-2:30p
48.81	6.147	ZTD	Durban, So.Africa	9:30am-1pm, 5-11:30pm.
48.82	6.145	HJDE	Medellin, Colombia	9-10pm, 11pm-1am irreg.
48.86	6.14	WPIT	Pittsburgh, Pa.	5-11am, Sat.5-11am, Sun.4-11am.
48.86S	6.14	KZRF	Manila, Philippines	Leopoldville, Bel.Congo Sundays 5:30-7am.
48.86	6.14	OQ2AA	Leopoldville, Bel.Congo	12-14:30-6:30, 9:30-11am, 12-4pm; Su.5-7, 10am-1:30pm
48.89	6.137	CR7AA	Lourenco Marques, Mozambique	10am-11pm; Sun.10am-9pm.
48.93F	6.132	COCB	Havana, Cuba	6:45am-11:15pm; Sat.8am-11pm, -
48.93	6.132	CHNX	Halifax, N.S., Canada	Perth, W.Australia Tests here irreg. (Su.12-11pm.
48.94S	6.13	VLW	Perth, W.Australia	10:15-11:15am, 3:45-7:45pm ex.-
48.94	6.13	VP3GB	Georgetown, B.Guiana	Noon-6pm irreg. (Su.)
48.94	6.13	LKJ	Jeloy, Norway	4-9am.
48.98	6.125	MTCY	Hsinking, Manchukuo	2:30-3:30am ex.Sundays.
49.00	6.122	FK8AA	Noumea, New Caledonia	6-10:30pm; to mid. irreg.
49.00V	6.122	HP5H	Panama City, Panama	12 mid.-2am to Latin America.
49.02	6.12	WCBX	New York City, N.Y.	9am-1, 7pm-2am. (6am.
49.04	6.117	XEUZ	Mexico D.F., Mexico	Saigon, F.Indo-China 12:15-12:45, 6-10:15am...NEWS-
49.05	6.116		Saigon, F.Indo-China	5-8:50pm.
49.08	6.112	HI6H	Trujillo City, D.R.	6:22-9:15, 9:37pm-12:30am to NA
49.10S	6.11	GSL	London, England	...NEWS-6:30, 7:30, 9:45, 11p
49.14C	6.105	HJFB	Manizales, Colombia	5:30-10pm ex.Sun.
49.18	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.	8:45pm-1am to Latin America
49.18	6.100	ZHJ	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-12 noon inter.ex.Sat.
49.25	6.09	KZRH	Manila, Philippines	4-11am.
49.25	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 815
49.34	6.08	CRY9	Macao, Macao	Mon. 8:30-10am. (-9:15am
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	12:30-12:45, 10-11am, Su.2:30-
49.50	6.06	WCAB	Philadelphia, Pa.	S/T/Fr 6:30-11pm, Wd.6:30- (4am
49.50	6.06	WLWO	Cincinnati, Ohio	Su.8am-6:30pm, M/Th 5:45- (830pm
				am-2am, Tu/Wd/Fr 5:45am-5:30pm,
				Sa.5:45-11pm, Su/T/W/Fr 11pm-230
49.55C	6.055	HJFA	Pereira, Colombia	9am-noon, 6:30-10pm. (am

47.39	6.33	COCW	Havana, Cuba	7:55am-12:15am; Sun.9:55am-10pm
47.51	6.315	HI1Z	Trujillo City, D.R.	11:40am-12:40pm; 5:10-7:40pm ex
47.62V	6.30	OAX4G	Lima, Peru	6-12 mid. (Sun.)
47.69	6.29	HI1G	Trujillo City, D.R.	6:40-8:40, 11:40am-2:10, 3:40-940
47.96	6.255	CP12	La Paz, Bolivia	7-9pm. (pm)
48.04	6.245	HI1N	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.
48.44	6.193	TG2	Guatemala, Guatemala	7:30-10am, 6-11:30pm, Sa. 6pm-3am, Sun.3-8pm. For IDA Sun.2-2:30am, 10:40am-1:40, 6:40-9:40pm.
48.47	6.19	HI1A	Santiago, D.R.	Sun.8:30-9pm to Brazil, 9-9:30pm to Canada; Su/Wd.9:30-10pm to NA
48.47S	6.19-	HVJ	Vatican City	Tu/Thurs/Sat 6-7pm, Sun.8-10pm.
48.51	6.185	TIRCC	San Jose, C.R.	5-8pm; Sat./Sun. 6-8pm.
48.54	6.18	LR2C	Buenos Aires, Arg.	8-11am, 2:30-4, 7:30pm-12:45am.
48.58	6.175	XXEX	Mexico D.F., Mexico	5:10-7:40pm; to 10pm irreg.
48.58	6.175	HI4V	S.F.de Macoris, D.R.	Noon-2:30pm, 6-11pm.
48.66	6.165	TILS	San Jose, C.R.	Nueva Grande, Colombia To 10:30pm; Sat.to 11:40pm.
48.70	6.160	HJCD	Nueva Grande, Colombia	Sun Salvador, El Salvador Nightly to approx.9:15pm.
48.78	6.15	YSW	San Salvador, El Salvador	8:30pm-1:30am...NEWS- 10:45pm.
48.78S	6.15	CJRO	Winnipeg, Canada	11:20am-3:45pm; Sun.11:30-2:30p
48.81	6.147	ZTD	Durban, So.Africa	9:30am-1pm, 5-11:30pm.
48.82	6.145	HJDE	Medellin, Colombia	9-10pm, 11pm-1am irreg.
48.86	6.14	WPIT	Pittsburgh, Pa.	5-11am, Sat.5-11am, Sun.4-11am.
48.86S	6.14	KZRF	Manila, Philippines	Leopoldville, Bel.Congo Sundays 5:30-7am.
48.86	6.14	OQ2AA	Leopoldville, Bel.Congo	12-14:30-6:30, 9:30-11am, 12-4pm; Su.5-7, 10am-1:30pm
48.89	6.137	CR7AA	Lourenco Marques, Mozambique	10am-11pm; Sun.10am-9pm.
48.93F	6.132	COCB	Havana, Cuba	6:45am-11:15pm; Sat.8am-11pm, -
48.93	6.132	CHNX	Halifax, N.S., Canada	Perth, W.Australia Tests here irreg. (Su.12-11pm.
48.94S	6.13	VLW	Perth, W.Australia	10:15-11:15am, 3:45-7:45pm ex.-
48.94	6.13	VP3GB	Georgetown, B.Guiana	Noon-6pm irreg. (Su.)
48.94	6.13	LKJ	Jeloy, Norway	4-9am.
48.98	6.125	MTCY	Hsinking, Manchukuo	2:30-3:30am ex.Sundays.
49.00	6.122	FK8AA	Noumea, New Caledonia	6-10:30pm; to mid. irreg.
49.00V	6.122	HP5H	Panama City, Panama	12 mid.-2am to Latin America.
49.02	6.12	WCBX	New York City, N.Y.	9am-1, 7pm-2am. (6am.
49.04	6.117	XEUZ	Mexico D.F., Mexico	Saigon, F.Indo-China 12:15-12:45, 6-10:15am...NEWS-
49.05	6.116		Saigon, F.Indo-China	5-8:50pm.
49.08	6.112	HI6H	Trujillo City, D.R.	6:22-9:15, 9:37pm-12:30am to NA
49.10S	6.11	GSL	London, England	...NEWS-6:30, 7:30, 9:45, 11p
49.14C	6.105	HJFB	Manizales, Colombia	5:30-10pm ex.Sun.
49.18	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.	8:45pm-1am to Latin America
49.18	6.100	ZHJ	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-12 noon inter.ex.Sat.
49.25	6.09	KZRH	Manila, Philippines	4-11am.
49.25	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 815
49.34	6.08	CRY9	Macao, Macao	Mon. 8:30-10am. (-9:15am
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	12:30-12:45, 10-11am, Su.2:30-
49.50	6.06	WCAB	Philadelphia, Pa.	S/T/Fr 6:30-11pm, Wd.6:30- (4am
49.50	6.06	WLWO	Cincinnati, Ohio	Su.8am-6:30pm, M/Th 5:45- (830pm
				am-2am, Tu/Wd/Fr 5:45am-5:30pm,
				Sa.5:45-11pm, Su/T/W/Fr 11pm-230
49.55C	6.055	HJFA	Pereira, Colombia	9am-noon, 6:30-10pm. (am

49.56	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. 2-9pm.
49.67	6.04	WDJM	Miami, Florida	1-3, 9pm-1am.
49.67	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.
49.75	6.03	XEKW	Morelia, Mexico	Nightly to 11:40pm. *
49.75	6.03	RV96	Moscow, U.S.S.R.	1-7, 7-8:30pm to NA, 8:30-9pm....
49.81	6.023	XEUW	Veracruz, Mexico	10pm-1am. NEWS, 7pm
49.83	6.02	DJC	Berlin, Germany	11:30am-4:25, 9pm-1:30am to NA. ...NEWS- 8:15, 10:30pm, 12 mid. 7:10-8:55, 11:40am-1:40, 4:40-640
49.83'	6.02	HISU	Santiago, D.R.	9-11:40pm. (pm)
49.86	6.017	HJCX	Bogota, Colombia	4-9pm.
49.92	6.01	PRAS	Pernambuco, Brazil	7am-1:30, 4-8:30pm.
49.92	6.01	CJCX	Sydney, Nova Scotia	7:45am-1am, Sun. 9am-11:15pm.
49.92	6.01	CFCX	Montreal, Canada	6:30-10am, 9-11pm; Sa. 9:30-11:30p
49.94	6.007	XYZ	Rangoon, Burma	11:45-12:50am ex. Sa; 9:30am-4pm
49.94	6.007	ZRH	Pretoria, So. Africa	Sun. 9:40am-noon, 12:15-3:15pm. 10am-1:45am.
49.94	6.005	XEBT	Mexico City, D.F.	7-9am, 11:30am-1, 6-11pm.
50.00	6.00	HP5K	Colon, Panama	6:30-9 or 10pm.
50.13	5.985	HH2S	Port-au-Prince, Haiti	9-11pm.
50.21	5.975	OAX4P	Huancayo, Peru	4:30-9:30pm.
50.21F	5.975	VONG	St. John's, Nfld.	11:40am-1:40, 6:10-8:30pm.
50.34	5.96	H11J	San Pedro, D.R.	6:36-8:36pm; Sun. 10:36am-12:36p
50.50	5.941	PJCL	Curacao, D.W.I.	Tues/Wed/Sat/Sun 7-10pm.
50.51	5.94	OAX2A	Trujillo, Peru	1-2:30pm; 6-7am ex. Sundays.
50.95	5.90	ZNB	Bechuanaland	6-11pm.
51.07	5.875	HRN	Tegucigalpa, Honduras	Nightly to approx. 11:30pm.
51.24	5.855	TGX1	Guatemala, Guatemala	7-10pm.
51.24	5.83	TIGPH	San Jose, Costa Rica	10pm-12 mid.
51.46	5.83	TIX	San Jose, Costa Rica	7-10:20pm. *
52.10N	5.758	YNJAT	LEON, NICARAGUA	Mon/Tues/Thurs 8-10pm. *
52.40S	5.725	HC1PM	Quito, Ecuador	5:30am-noon.
58.31	5.14	PMY	Bandoeng, Java	4-11:30pm; Su. 8:30-11:30am, 3:30-
59.58VS	5.035	YV5RN	Caracas, Venezuela	3:30-10pm; Sun. 8am-10:30pm.
59.76	5.02	YV4RQ	Puerto Cabello, Venez.	10am-9:30pm. *
59.88	5.01	YV5RM	Caracas, Venezuela	5:30-10pm. *
60.12S	4.99	YV3RX	Barquisimeto, Venez.	7:30am-12:30pm.
60.31S	4.975	YV1RJ	Coro, Venezuela	4:30-9:30pm or later.
60.43	4.96	VUD2	Delhi, India	Noon-1, 6-10pm.
60.48	4.96	YV5RS	Caracas, Venezuela	Signs-off at 10pm.
60.57V	4.953	YV4RO	Valencia, Venezuela	5-10pm.
60.73	4.94	YV5RO	Caracas, Venezuela	9am-1:30, 7-10:15pm Sundays.
60.85	4.93	YV4RP	Valencia, Venezuela	6:30-7:30, 10:30am-1, 3:30-10pm.
60.92	4.924	HJAP	Cartagena, Colombia	6:30am-noon.
60.98	4.92	YV5RH	Caracas, Venezuela	6:30-9:30pm ex. Sundays.
60.98	4.92	VUM2	Madras, India	5:30-9:30pm.
61.10	4.91	YV1RY	Coro, Venezuela	11:30am-2, 6-11pm.
61.16	4.905	HJAG	Barranquilla, Colom.	10:30am-1:30, 4:30-10:30pm.
61.22S	4.90	YV6RT	Bolivar, Venezuela	8am-2, 6-10:30pm.
61.29	4.895	HJCH	Bogota, Colombia	7:30am-12:30pm.
61.35	4.89	YV1RX	Maracaibo, Venez.	8-11am, 6-10pm.
61.42S	4.885	HJDP	Medellin, Colombia	11:30am-12:30pm, 6-9pm ex. Sun.
61.48	4.88	YV6RU	Ciudad Bolivar, Venezuela.	6:05-10:30pm.
61.48	4.88	VUB2	Bombay, India	11am-1pm, 4:30-10:30pm.
61.54	4.875	HJ6FAH	Armenia, Colombia	11:30am-1, 5:45-8:45pm.
61.60	4.87	YV2RN	San Cristobal, Venez.	6:30am-noon.
61.67S	4.865	HJFK	Pereira, Colombia	Nightly to 10pm.
61.73	4.86	YV1RL	Maracaibo, Venez.	
61.88	4.85	YV1RZ	Valera, Venezuela	
61.98	4.84	VUC2	Calcutta, India	
61.98	4.84	YV4RX	Maracay, Venezuela	

49.56	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. 2-9pm.
49.67	6.04	WDJM	Miami, Florida	1-3, 9pm-1am.
49.67	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.
49.75	6.03	XEKW	Morelia, Mexico	Nightly to 11:40pm. *
49.75	6.03	RV96	Moscow, U.S.S.R.	1-7, 7-8:30pm to NA, 8:30-9pm....
49.81	6.023	XEUW	Veracruz, Mexico	10pm-1am. NEWS, 7pm
49.83	6.02	DJC	Berlin, Germany	11:30am-4:25, 9pm-1:30am to NA. ...NEWS- 8:15, 10:30pm, 12 mid. 7:10-8:55, 11:40am-1:40, 4:40-640
49.83'	6.02	HISU	Santiago, D.R.	9-11:40pm. (pm)
49.86	6.017	HJCX	Bogota, Colombia	4-9pm.
49.92	6.01	PRAS	Pernambuco, Brazil	7am-1:30, 4-8:30pm.
49.92	6.01	CJCX	Sydney, Nova Scotia	7:45am-1am, Sun. 9am-11:15pm.
49.92	6.01	CFCX	Montreal, Canada	6:30-10am, 9-11pm; Sa. 9:30-11:30p
49.94	6.007	XYZ	Rangoon, Burma	11:45-12:50am ex. Sa; 9:30am-4pm
49.94	6.007	ZRH	Pretoria, So. Africa	Sun. 9:40am-noon, 12:15-3:15pm. 10am-1:45am.
49.94	6.005	XEBT	Mexico City, D.F.	7-9am, 11:30am-1, 6-11pm.
50.00	6.00	HP5K	Colon, Panama	6:30-9 or 10pm.
50.13	5.985	HH2S	Port-au-Prince, Haiti	9-11pm.
50.21	5.975	OAX4P	Huancayo, Peru	4:30-9:30pm.
50.21F	5.975	VONG	St. John's, Nfld.	11:40am-1:40, 6:10-8:30pm.
50.34	5.96	H11J	San Pedro, D.R.	6:36-8:36pm; Sun. 10:36am-12:36p
50.50	5.941	PJCL	Curacao, D.W.I.	Tues/Wed/Sat/Sun 7-10pm.
50.51	5.94	OAX2A	Trujillo, Peru	1-2:30pm; 6-7am ex. Sundays.
50.95	5.90	ZNB	Bechuanaland	6-11pm.
51.07	5.875	HRN	Tegucigalpa, Honduras	Nightly to approx. 11:30pm.
51.24	5.855	TGX1	Guatemala, Guatemala	7-10pm.
51.24	5.83	TIGPH	San Jose, Costa Rica	10pm-12 mid.
51.46	5.83	TIX	San Jose, Costa Rica	7-10:20pm. *
52.10N	5.758	YNJAT	LEON, NICARAGUA	Mon/Tues/Thurs 8-10pm. *
52.40S	5.725	HC1PM	Quito, Ecuador	5:30am-noon.
58.31	5.14	PMY	Bandoeng, Java	4-11:30pm; Su. 8:30-11:30am, 3:30-
59.58VS	5.035	YV5RN	Caracas, Venezuela	3:30-10pm; Sun. 8am-10:30pm.
59.76	5.02	YV4RQ	Puerto Cabello, Venez.	10am-9:30pm. *
59.88	5.01	YV5RM	Caracas, Venezuela	5:30-10pm. *
60.12S	4.99	YV3RX	Barquisimeto, Venez.	7:30am-12:30pm.
60.31S	4.975	YV1RJ	Coro, Venezuela	4:30-9:30pm or later.
60.43	4.96	VUD2	Delhi, India	Noon-1, 6-10pm.
60.48	4.96	YV5RS	Caracas, Venezuela	Signs-off at 10pm.
60.57V	4.953	YV4RO	Valencia, Venezuela	5-10pm.
60.73	4.94	YV5RO	Caracas, Venezuela	9am-1:30, 7-10:15pm Sundays.
60.85	4.93	YV4RP	Valencia, Venezuela	6:30-7:30, 10:30am-1, 3:30-10pm.
60.92	4.924	HJAP	Cartagena, Colombia	6:30am-noon.
60.98	4.92	YV5RH	Caracas, Venezuela	6:30-9:30pm ex. Sundays.
60.98	4.92	VUM2	Madras, India	5:30-9:30pm.
61.10	4.91	YV1RY	Coro, Venezuela	11:30am-2, 6-11pm.
61.16	4.905	HJAG	Barranquilla, Colom.	10:30am-1:30, 4:30-10:30pm.
61.22S	4.90	YV6RT	Bolivar, Venezuela	8am-2, 6-10:30pm.
61.29	4.895	HJCH	Bogota, Colombia	7:30am-12:30pm.
61.35	4.89	YV1RX	Maracaibo, Venez.	8-11am, 6-10pm.
61.42S	4.885	HJDP	Medellin, Colombia	11:30am-12:30pm, 6-9pm ex. Sun.
61.48	4.88	YV6RU	Ciudad Bolivar, Venezuela.	6:05-10:30pm.
61.48	4.88	VUB2	Bombay, India	11am-1pm, 4:30-10:30pm.
61.54	4.875	HJ6FAH	Armenia, Colombia	11:30am-1, 5:45-8:45pm.
61.60	4.87	YV2RN	San Cristobal, Venez.	6:30am-noon.
61.67S	4.865	HJFK	Pereira, Colombia	Nightly to 10pm.
61.73	4.86	YV1RL	Maracaibo, Venez.	
61.88	4.85	YV1RZ	Valera, Venezuela	
61.98	4.84	VUC2	Calcutta, India	
61.98	4.84	YV4RX	Maracay, Venezuela	

# VIC-VAC HONOR ROLLS

**VAC: Verified  
All Continents**

**DISTRICT 1:** 17-H.Orlaw, 14-L.Underwood, 10-W.Ansell, 4-Wm. King, N.Ebling, J.Christie, 2-Mrs.Baird, J.Hodges, D.White, 1-W.Wood, S.Barnetson, G.Young, G.Cheeseman. **DISTRICT 2:** 69-ROY MYERS, 37-WIL. BRITTING, 22-H.ALLEN, 20-H.CLEIN, 19-Amers, 16-C. Streuber, 15-F.Harris, 8-H.Honda, 7-A.Balbi, 5-M.Fisher, 4-W.Guthrie, 3-A.Field, D. Williams, 2-L.McNamara. **DISTRICT 4:** 29-G.BEYER, F.MURPHY, 17-T.Grey, 16-R. & I. Brian, 18-Eders, 15-L.Herz, 11-R.Hetzel, 8-K.Schram, H.Schrock, 7-F.Anzalone, 6.Roy De Ment, C.Trezise, Carlson & Schuchhart, 5-C.Myers, E.Bristow, A.Deterly, 4-Ray Swenson, A.Paul, Z.Kandle, R.Dissinger, 3-K.Miller, 2-E.Schenk, S.Graham, J. Michalski, 1-G.Jensen, N.Cannata, K.Skoog, W.Scholz, H.Schubert, P.Loyd, F.Fountain E.Danielson, J.Delaney, J.Jenkins, R.Kramer, L.Lundberg, C.Robinson, R.Schaffar. ... **DISTRICT 5:** 35-G.BIGBEE, 7-G.Magee, 4-H.Weatherly, 3-W.Byrn, 2-H.Pruett, ... **DISTRICT 6:** 116-J.MAY, 115-H.BRADLEY, 112-R.GOZEN, 98-R.LEGGE, 88-J.De MYER, 83-N.KRIEBEL, 58-L.CAVILEER, 49-M.BUI TEKANT, 43-J. SIRINGER, 49-DAVID THOMAS, 37-R.WAITE, 36-I.GOO DEVE, 35-J.BUI TEKANT, E.ROBERTS, 33-J.BARRE, 32-P.RUSH, 31-E.POWERS, 30-H.ECK, 28-D.HALL, 26-P.ALBERTO, M.SOPLOP, 21-E.HATCH 18-Wm.Palmer, 17-M.Cassina, R.Oxrieder, L.Windisch, 15-W.Wokaty, 13-C.Bolton, C.Hartzell, E.Nicolassy, 12-J.Gardner, E.Riggle, C.Weber, H.Kentzel, 10-M.Bruscia, T.Serafin, 9-E.Goss, 8-J.Voisich, M.Bass, J.Hager, 7-L.Miller, R.Powell, 6-Geo.Graham, E.Partridge, D.Stone, 5-B.Nordgren, A.Bartholomew, E.Reinhard, Jas. Steele, I.Van Zandt, D.Wright, 4-R.Danecker, M.Garvey, L.Salazar, R.Verbrugge, B.Horne, 3-H.Lueth, S.Mann, E.Payette. **DISTRICT 7:** 24-G.ROCKWELL, 17-R.MESSER, 16-L.Hutchinson, 12-J.Lippincott, 9-J.Pratt, J.Kneeland, 8-J.Graham, A.Bond, 5-H.Ward, A.Willis, 4-E.Barker, 3-F.Stockbridge, 2-J.Harvey, R. Collins, A.Long, D.Hoadley, 1-G.Cote, R.Ritchie, I.Witty, S.Rudd. **GT. BRITAIN:** 27-R.PYBUS, 8-J.Shaw, 7-R.Coales, 1-W.Rawlins. **N.Z.:** 26-A.BREEN, 3-B.Connor. **CANAL ZONE:** J.Gallivan.-4. **JAPAN:** 16-S.Yoshimura. **AUSTRALIA:** - R.Simpson.

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**DISTRICT 1:** 94-H.ORLAW, 79-W.ANSELL, L.UNDERWOOD, 52-N.Eb-ling, 51-W.King, 42-J.Christie, 41-W.Wood, 39-D.White, 33-R.Thompson, 32-Mrs.Baird, 27-S. Barnetson, 26-F. Newton, 21-J.Hodges, 19-G.Young, 17-G.Cheeseman, 15-J. Dickenson, J.Frederick, 14-W. White. **DISTRICT 2:** 113-R. MYERS, 111-H. CLEIN, 104-W.BRITTING, 95-H.ALLEN, 88-AMERS, 85-E.BARTELS, 66-F.Harris, 59-C.Streuber, 54-H.Honda, 49-A.Field, 45-A.Balbi, 43-W.Guthrie, D.Williams, 37-L.McNamara, 29-M.Fisher, 16-B. Purcel. **DISTRICT 4:** 117-R&I.BRIAN, 103-G.BEYER, 100-R. HETZEL, 98-F. MURPHY, 86-T.GREY, 82-R.IRWIN, 81-Z.KANDLE, 80-L.HERZ, 76-C.TREZISE, 74-F.Anzalone, 81-Eders, 68-H.Schrock, K.Schram, 59-Schuchhart & Carlson, Ed.Schenk, 58-N.De Ment, 56-L.Pardini, 54-D.Traister, 52-E.Bristow, 50-CMeyers, 49-J.Michalski 44-A.Deterly, 41-K.Miller, R.Dissinger, 40-C.Robinson, R.Swenson, 37-W.Scholz 36-P.Loyd, 35-S.Graham, 34-C.Will, 31-J.Delaney, 29-L.Eikamp, N.Cannata, 28-R.Kramer, G.Jensen, H.Schubert, 26-L.Lundberg, 23-R. Shaffar, 20-S. Cashio, J. Jenkins, 19-H.Gustafson, 17-E.Danielson, K.Skoog, 15-K.Fountain. **DISTRICT 6:** 150-J.MAY, 147-J.DeMYER, 146-H.BRADLEY, 132-R.LEGGE, 129-N.KRIEBEL, 126-LEM CAVILEER, R.GOZEN, 120-H.ECK, 118-R.WAITE, 116-P.RUSH, J. SIRINGER, 114-P.ALBERTO, C.WEBER, 113-E.ROBERTS, D.THOMAS, 110-M.BUI TEKANT, M.SOPLOP, 109-J.BARRE, 104-ELI POWERS, 101-J.BUI TEKANT, 100-I.GOO DEVE, 98-ED.HATCH, 95-M.BRUSCIA, 85-W.PALMER, E.REINHARD, E.WOKATY, 83-L.WINDISCH, 81-E.GOSS, E.RIGGLE, 79 W.&R. Butts, H.KENTZEL, T.SERAFIN, 78-E.OXRIEDER, 76-E.NICOLASSY, 72-J.Gardner Max Bass, 71-C.Hartzell, 70-B.Fiederowicz, D. Stone, 69-M.Cassina, R.Powell, 68-B.Nordgren, 67-A.Bartholomew, M.Garvey, 65-C.Bolton, 62-R.Partridge, L.Salazar, 61-D.Hall, 58-J.Steele, 57-L.Miller, 54-S.Mann, I.Van Zandt, 53-R.Dane ker Jr, J.Hager, B.Horne, J.Newcomer, 50-G.Graham, G.Rhoads, D.Wright, 49-Jos. Voisich, 47-E.Payette, 43-C.Seth, 42-J.Edwards, M.Vanderhaeghe, R.Verbrugge, 40-H.Lueth, E.Predergast, 37-J.Tate, 36-J.Brauner, R.Taglauer, R.Trubee, 33-J.Johnson, H.Magowan, J.Richrod, 31-W.Patton, 28-L.Ambrosius, J.Evanovsky, Carl Glick, W.Miller, 27-M.Kennedy, 26-H.Graeme, 25-G.Cook, 23-G.Batson, D.Sebastian, 22-C.Ast, 16-K.Nelson, 13-J.Brimmer, E.Kline, 11-R.Cooper, 7-R.Nagle. ... **DISTRICT 7:** 127-G.ROCKWELL, 90-R.MESSER, 77-L.HUTCHINSON, 75-J. GRAHAM, 71-J.Lippincott, 70-J.Pratt, 58-J.Kneeland, A.Bond, 52-F. Stockbridge, 50-H.Ward, 41-A.Willis, 40-J.Harvey, 39-E.Barker, A.Long, 37-R.Collins, 34-R.Rit-chie, 29-G.Cote, 28-D.Hoadley, D.Callan, 27-I.Witty, 26-P.Barter, 22-J.Hardy 21-J.Kernan, 17-S.Rudd, 14-D.Witthun, 6-K.Morey, F.Heiss, 4-T.Hogg, 3-J.Pe-dersen. **DISTRICT 5:** 140-GUY BIGBEE, 75-G.MAGEE, 53-H.Weatherly, 50-W.Byrn, 48-H.Pruett, 27-H.Gunn, 24-M.Mosler, 17-G.Hinson, 9-A.Pleyte (Cont. Page 16)



# VIC-VAC HONOR ROLLS

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**DISTRICT 1:** 17-H.Orlaw, 14-L.Underwood, 10-W.Ansell, 4-Wm. King, N.Ebling, J.Christie, 2-Mrs.Baird, J.Hodges, D.White, 1-W.Wood, S.Barnetson, G.Young, G.Cheeseman. **DISTRICT 2:** 69-ROY MYERS, 37-WIL. BRITTING, 22-H.ALLEN, 20-H.CLEIN, 19-Amers, 16-C. Streuber, 15-F.Harris, 8-H.Honda, 7-A.Balbi, 5-M.Fisher, 4-W.Guthrie, 3-A.Field, D. Williams, 2-L.McNamara. **DISTRICT 4:** 29-G.BEYER, F.MURPHY, 17-T.Grey, 16-R. & I. Brian, 18-Eders, 15-L.Herz, 11-R.Hetzel, 8-K.Schram, H.Schrock, 7-F.Anzalone, 6.Roy De Ment, C.Trezise, Carlson & Schuchhart, 5-C.Myers, E.Bristow, A.Deterly, 4-Ray Swenson, A.Paul, Z.Kandle, R.Dissinger, 3-K.Miller, 2-E.Schenk, S.Graham, J. Michalski, 1-G.Jensen, N.Cannata, K.Skoog, W.Scholz, H.Schubert, P.Loyd, F.Fountain E.Danielson, J.Delaney, J.Jenkins, R.Kramer, L.Lundberg, C.Robinson, R.Schaffar. ... **DISTRICT 5:** 35-G.BIGBEE, 7-G.Magee, 4-H.Weatherly, 3-W.Byrn, 2-H.Pruett, ... **DISTRICT 6:** 116-J.MAY, 115-H.BRADLEY, 112-R.GOZEN, 98-R.LEGGE, 88-J.De MYER, 83-N.KRIEBEL, 58-L.CAVILEER, 49-M.BUIITEKANT, 43-J. SIRINGER, 49-DAVID THOMAS, 37-R.WAITE, 36-I.GOODEVE, 35-J.BUIITEKANT, E.ROBERTS, 33-J.BARRE, 32-P.RUSH, 31-E.POWERS, 30-H.ECK, 28-D.HALL, 26-P.ALBERTO, M.SOPLOP, 21-E.HATCH 18-Wm.Palmer, 17-M.Cassina, R.Oxrieder, L.Windisch, 15-W.Wokaty, 13-C.Bolton, C.Hartzell, E.Nicolassy, 12-J.Gardner, E.Riggle, C.Weber, H.Kentzel, 10-M.Bruscia, T.Serafin, 9-E.Goss, 8-J.Voisich, M.Bass, J.Hager, 7-L.Miller, R.Powell, 6-Geo.Graham, E.Partridge, D.Stone, 5-B.Nordgren, A.Bartholomew, E.Reinhard, Jas. Steele, I.Van Zandt, D.Wright, 4-R.Danecker, M.Garvey, L.Salazar, R.Verbrugge, B.Horne, 3-H.Lueth, S.Mann, E.Payette. **DISTRICT 7:** 24-G.ROCKWELL, 17-R.MESSER, 16-L.Hutchinson, 12-J.Lippincott, 9-J.Pratt, J.Kneeland, 8-J.Graham, A.Bond, 5-H.Ward, A.Willis, 4-E.Barker, 3-F.Stockbridge, 2-J.Harvey, R. Collins, A.Long, D.Hoadley, 1-G.Cote, R.Ritchie, I.Witty, S.Rudd. **GT. BRITAIN:** 27-R.PYBUS, 8-J.Shaw, 7-R.Coales, 1-W.Rawlins. **N.Z.:** 26-A.BREEN, 3-B.Connor. **CANAL ZONE:** J.Gallivan.-4. **JAPAN:** 16-S.Yoshimura. **AUSTRALIA:** - R.Simpson.

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of Countries  
Verified**

**DISTRICT 1:** 94-H.ORLAW, 79-W.ANSELL, L.UNDERWOOD, 52-N.Ebling, 51-W.King, 42-J.Christie, 41-W.Wood, 39-D.White, 33-R.Thompson, 32-Mrs.Baird, 27-S. Barnetson, 26-F. Newton, 21-J.Hodges, 19-G.Young, 17-G.Cheeseman, 15-J. Dickenson, J.Frederick, 14-W. White. **DISTRICT 2:** 113-R. MYERS, 111-H. CLEIN, 104-W.BRITTING, 95-H.ALLEN, 88-AMERS, 85-E.BARTELS, 66-F.Harris, 59-C.Streuber, 54-H.Honda, 49-A.Field, 45-A.Balbi, 43-W.Guthrie, D.Williams, 37-L.McNamara, 29-M.Fisher, 16-B. Purcel. **DISTRICT 4:** 117-R&I.BRIAN, 103-G.BEYER, 100-R. HETZEL, 98-F. MURPHY, 86-T.GREY, 82-R.IRWIN, 81-Z.KANDLE, 80-L.HERZ, 76-C.TREZISE, 74-F.Anzalone, 81-Eders, 68-H.Schrock, K.Schram, 59-Schuchhart & Carlson, Ed.Schenk, 58-N.De Ment, 56-L.Pardini, 54-D.Traister, 52-E.Bristow, 50-CMeyers, 49-J.Michalski 44-A.Deterly, 41-K.Miller, R.Dissinger, 40-C.Robinson, R.Swenson, 37-W.Scholz 36-P.Loyd, 35-S.Graham, 34-C.Will, 31-J.Delaney, 29-L.Eikamp, N.Cannata, 28-R.Kramer, G.Jensen, H.Schubert, 26-L.Lundberg, 23-R. Shaffar, 20-S. Cashio, J. Jenkins, 19-H.Gustafson, 17-E.Danielson, K.Skoog, 15-K.Fountain. **DISTRICT 6:** 150-J.MAY, 147-J.DeMYER, 146-H.BRADLEY, 132-R.LEGGE, 129-N.KRIEBEL, 126-LEM CAVILEER, R.GOZEN, 120-H.ECK, 118-R.WAITE, 116-P.RUSH, J. SIRINGER, 114-P.ALBERTO, C.WEBER, 113-E.ROBERTS, D.THOMAS, 110-M.BUIITEKANT, M.SOPLOP, 109-J.BARRE, 104-ELI POWERS, 101-J.BUIITEKANT, 100-I.GOODEVE, 98-ED.HATCH, 95-M.BRUSCIA, 85-W.PALMER, E.REINHARD, E.WOKATY, 83-L.WINDISCH, 81-E.GOSS, E.RIGGLE, 79 W.&R. Butts, H.KENTZEL, T.SERAFIN, 78-E.OXRIEDER, 76-E.NICOLASSY, 72-J.Gardner Max Bass, 71-C.Hartzell, 70-B.Fiederowicz, D. Stone, 69-M.Cassina, R.Powell, 68-B.Nordgren, 67-A.Bartholomew, M.Garvey, 65-C.Bolton, 62-R.Partridge, L.Salazar, 61-D.Hall, 58-J.Steele, 57-L.Miller, 54-S.Mann, I.Van Zandt, 53-R.Dane ker Jr, J.Hager, B.Horne, J.Newcomer, 50-G.Graham, G.Rhoads, D.Wright, 49-Jos. Voisich, 47-E.Payette, 43-C.Seth, 42-J.Edwards, M.Vanderhaeghe, R.Verbrugge, 40-H.Lueth, E.Predergast, 37-J.Tate, 36-J.Brauner, R.Taglauer, R.Trubee, 33-J.Johnson, H.Magowan, J.Richrod, 31-W.Patton, 28-L.Ambrosius, J.Evanovsky, Carl Glick, W.Miller, 27-M.Kennedy, 26-H.Graeme, 25-G.Cook, 23-G.Batson, D.Sebastian, 22-C.Ast, 16-K.Nelson, 13-J.Brimmer, E.Kline, 11-R.Cooper, 7-R.Nagle. ... **DISTRICT 7:** 127-G.ROCKWELL, 90-R.MESSER, 77-L.HUTCHINSON, 75-J. GRAHAM, 71-J.Lippincott, 70-J.Pratt, 58-J.Kneeland, A.Bond, 52-F. Stockbridge, 50-H. Ward, 41-A.Willis, 40-J.Harvey, 39-E.Barker, A.Long, 37-R.Collins, 34-R.Ritchie, 29-G.Cote, 28-D.Hoadley, D.Callan, 27-I.Witty, 26-P.Barter, 22-J.Hardy 21-J.Kernan, 17-S.Rudd, 14-D.Witthun, 6-K.Morey, F.Heiss, 4-T.Hogg, 3-J.Pedersen. **DISTRICT 5:** 140-GUY BIGBEE, 75-G.MAGEE, 53-H.Weatherly, 50-W.Byrn, 48-H.Pruett, 27-H.Gunn, 24-M.Mosler, 17-G.Hinson, 9-A.Pleyte (Cont. Page 16)

49.56	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.2-9pm.
49.67	6.04	WDJM	Miami, Florida	1-3, 9pm-1am.
49.67	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.
49.75	6.03	XEKW	Morelia, Mexico	Nightly to 11:40pm. *
49.75	6.03	RV96	Moscow, U.S.S.R.	1-7, 7-8:30pm to NA, 8:30-9pm....
49.81	6.023	XEUW	Veracruz, Mexico	10pm-1am. NEWS, 7pm
49.83	6.02	DJC	Berlin, Germany	11:30am-4:25, 9pm-1:30am to NA. NEWS- 8:15, 10:30pm, 12 mid. ... NEWS- 8:15, 10:30pm, 12 mid.
49.83'	6.02	HI3U	Santiago, D.R.	7:10-8:55, 11:40am-1:40, 4:40-640
49.86	6.017	HJCK	Bogota, Colombia	9-11:40pm. (pm)
49.92	6.01	PRA8	Pernambuco, Brazil	4-9pm.
49.92	6.01	CJXC	Sydney, Nova Scotia	7am-1:30, 4-8:30pm.
49.92	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. 9:30-11:30p
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. 10am-1:45am.
49.94	6.005	XEBT	Mexico City, D.F.	
50.00	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.
50.21F	5.975	VONG	St. John's, Nfld.	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-12:36p
50.51	5.94	OAX2A	Trujillo, Peru	Tues/Wed/Sat/Sun 7-10pm.
50.95	5.90	ZNB	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.
51.46	5.83	TIX	San Jose, Costa Rica	10pm-12 mid.
52.10N	5.758	YNJAT	LEON, NICARAGUA	7-10:20pm. *
52.40S	5.725	HCLPM	Quito, Ecuador	Mon/Tues/Thurs 8-10pm. *
58.31	5.14	PMY	Bandoeng, Java	5:30am-noon.
59.58VS	5.035	YV5RN	Caracas, Venezuela	4-11:30pm; Su. 8:30-11:30am, 3:30-10:30pm.
59.76	5.02	YV4RQ	Puerto Cabello, Venez.	Broadcasting nights (10:30pm)
59.88	5.01	YV5RM	Caracas, Venezuela	3:30-10pm; Sun. 8am-10:30pm.
60.12S	4.99	YV3RX	Barquisimeto, Venez.	10am-9:30pm. *
60.31S	4.975	YV1RJ	Coro, Venezuela	5:30-10pm. *
60.43	4.96	VUD2	Delhi, India	7:30am-12:30pm.
60.48	4.96	YV5RS	Caracas, Venezuela	4:30-9:30pm or later.
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	5-10pm.
60.92	4.924	HJAP	Cartagena, Colombia	9am-1:30, 7-10:15pm Sundays.
60.98	4.92	YV5RH	Caracas, Venezuela	6:30-7:30, 10:30am-1, 3:30-10pm.
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.
61.22S	4.90	YV6RT	Bolivar, Venezuela	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.
61.42S	4.885	HJDP	Medellin, Colombia	8am-2, 6-10:30pm.
61.48	4.88	YV6RU	Ciudad Bolivar, Venezuela.	
61.48	4.88	VUB2	Bombay, India	7:30am-12:30pm.
61.54	4.875	HJ6FAH	Armenia, Colombia	8-11am, 6-10pm.
61.60	4.87	YV2RN	San Cristobal, Venez.	11:30am-12:30pm, 6-9pm ex.Sun.
61.67S	4.865	HJFK	Pereira, Colombia	6:05-10:30pm.
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.

## VIC-VAC HONOR ROLLS

**VAC: Verified All Continents** DISTRICT 1: 17-H. ORLAW, 14-L. UNDERWOOD, 10-W. ANSELL, 4-Wm. W. WOOD, S. BARNETSON, G. YOUNG, G. CHEESEMAN. DISTRICT 2: 69-ROY MYERS, 37-WIL. BRITTING, 22-H. ALLEN, 20-H. CLEIN, 19-Amers, 16-C. Streuber, 15-F. Harris, 8-H. Honda, 7-A. Balbi, 5-M. Fisher, 4-W. Guthrie, 3-A. Field, D. Williams, 2-L. McNamara. DISTRICT 4: 29-G. BEYER, F. MURPHY, 17-T. Grey, 16-R. & I. Brian, 18-Eders, 15-L. Herz, 11-R. Hetzel, 8-K. Schram, H. Schrock, 7-F. Anzalone, 6-Roy De Ment, C. Trezise, Carlson & Schuckhart, 5-C. Myers, E. Bristow, A. Deterly, 4-Ray Swenson, A. Paul, Z. Kandle, R. Dissinger, 3-K. Miller, 2-E. Schenk, S. Graham, J. Michalski, 1-G. Jensen, N. Cannata, K. Skoog, W. Scholz, H. Schubert, P. Loyd, F. Fountain E. Danielson, J. Delaney, J. Jenkins, R. Kramer, L. Lundberg, C. Robinson, R. Schaffar... DISTRICT 5: 35-G. BIGBEE, 7-G. Magee, 4-H. Weatherly, 3-W. Byrn, 2-H. Pruett, 6... DISTRICT 6: 116-J. MAY, 115-H. BRADLEY, 112-R. GOZEN, 98-R. LEGGE, 88-J. De MYER, 83-N. KRIEBEL, 58-L. CAVILEER, 49-M. BUI TEKANT, 43-J. SIRINGER, 49-DAVID THOMAS, 37-R. WAITE, 36-I. GOODEVE, 35-J. BUI TEKANT, E. ROBERTS, 33-J. BARRE, 32-P. RUSH, 31-E. POWERS, 30-H. ECK, 28-D. HALL, 26-P. ALBERTO, M. SOPLOP, 21-E. HATCH 18-Wm. Palmer, 17-M. Cassina, R. Oxrieder, L. Windisch, 15-W. Wokaty, 13-C. Bolton, C. Hartzell, E. Nicolassy, 12-J. Gardner, E. Riggle, C. Weber, H. Kentzel, 10-M. Bruscia, T. Serafin, 9-E. Goss, 8-J. Voisich, M. Bass, J. Hager, 7-L. Miller, R. Powell, 6-Geo. Graham, E. Partridge, D. Stone, 5-B. Nordgren, A. Bartholomew, E. Reinhard, Jas. Steele, I. Van Zandt, D. Wright, 4-R. Daneker, M. Garvey, L. Salazar, R. Verbrugge, B. Horne, 3-H. Lueth, S. Mann, E. Payette. DISTRICT 7: 24-G. ROCKWELL, 17-R. MESSER, 16-L. HUTCHINSON, 12-J. Lippincott, 9-J. Pratt, J. Kneeland, 8-J. Graham, A. Bond, 5-H. Ward, A. Willis, 4-E. Barker, 3-F. Stockbridge, 2-J. Harvey, R. Collins, A. Long, D. Hoadley, 1-G. Cote, R. Ritchie, I. Witty, S. Rudd. GT. BRITAIN: 27-R. PYBUS, 8-J. Shaw, 7-R. Coales, 1-W. Rawlins. N.Z.: 26-A. BREEN, 3-B. Connor. CANAL ZONE: J. Gallivan, 4. JAPAN: 16-S. Yoshimura. AUSTRALIA: - R. Simpson.

**VIC: Total Number of Countries Verified** DISTRICT 1: 94-H. ORLAW, 79-W. ANSELL, L. UNDERWOOD, 52-N. Ebling, 51-W. King, 42-J. Christie, 41-W. Wood, 39-D. White, 33-R. Thompson, 32-Mrs. Baird, 27-S. Barnettson, 26-F. Newton, 21-J. Hodges, 19-G. Young, 17-G. Cheeseman, 15-J. Dickenson, J. Frederick, 14-W. White. DISTRICT 2: 113-R. MYERS, 111-H. CLEIN, 104-W. BRITTING, 95-H. ALLEN, 88-AMERS, 85-E. BARTELS, 66-F. Harris, 59-C. Streuber, 54-H. Honda, 49-A. Field, 45-A. Balbi, 43-W. Guthrie, D. Williams, 37-L. McNamara, 29-M. Fisher, 16-B. Purcel. DISTRICT 4: 117-R&I. BRIAN, 103-G. BEYER, 100-R. HETZEL, 98-F. MURPHY, 86-T. GREY, 82-R. IRWIN, 81-Z. KANDLE, 80-L. HERZ, 76-C. TREZISE, 74-F. Anzalone, 81-Eders, 68-H. Schrock, K. Schram, 59-Schuckhart & Carlson, Ed. Schenk, 58-R. De Ment, 56-L. Pardini, 54-D. Traister, 52-E. Bristow, 50-C. Meyers, 49-J. Michalski 44-A. Deterly, 41-K. Miller, R. Dissinger, 40-C. Robinson, R. Swenson, 37-W. Scholz 36-P. Loyd, 35-S. Graham, 34-C. Will, 31-J. Delaney, 29-L. Eikamp, N. Cannata, 28-R. Kramer, G. Jensen, H. Schubert, 26-L. Lundberg, 23-R. Shaffar, 20-S. Cashio, J. Jenkins, 19-H. Gustafson, 17-E. Danielson, K. Skoog, 15-K. Fountain DISTRICT 6: 150-J. MAY, 147-J. DeMYER, 146-H. BRADLEY, 132-R. LEGGE, 129-N. KRIEBEL, 126-LEM CAVILEER, R. GOZEN, 120-H. ECK, 118-R. WAITE, 116-P. RUSH, J. SIRINGER, 114-P. ALBERTO, C. WEBER, 113-E. ROBERTS, D. THOMAS, 110-M. BUI TEKANT, M. SOPLOP, 109-J. BARRE, 104-ELI POWERS, 101-J. BUI TEKANT, 100-I. GOODEVE, 98-ED. HATCH, 95-M. BRUSCIA, 85-W. PALMER, E. REINHARD, E. WOKATY, 83-L. WINDISCH, 81-E. GOSS, E. RIGGLE, 79 W. & R. Butts, H. KENTZEL, T. SERAFIN, 78-E. OXRIEDER, 76-E. NICOLASSY, 72-J. Gardner Max Bass, 71-C. Hartzell, 70-B. Fiederowicz, D. Stone, 69-M. Cassina, R. Powell, 68-B. Nordgren, 67-A. Bartholomew, M. Garvey, 65-C. Bolton, 62-R. Partridge, L. Salazar, 61-D. Hall, 58-J. Steele, 57-L. Miller, 54-S. Mann, I. Van Zandt, 53-R. Daneker Jr, J. Hager, B. Horne, J. Newcomer, 50-G. Graham, G. Rhoads, D. Wright, 49-Jos. Voisich, 47-E. Payette, 43-C. Seth, 42-J. Edwards, M. Vanderhaeghe, R. Verbrugge, 40-H. Lueth, E. Prendergast, 37-J. Tate, 36-J. Brauner, R. Taglauer, R. Trubee, 33-J. Johnson, H. Magowan, J. Richrod, 31-W. Patton, 28-L. Ambrosius, J. Evanovsky, Carl Glick, W. Miller, 27-M. Kennedy, 26-H. Graeme, 25-G. Cook, 23-G. Batson, D. Sebastian, 22-C. Ast, 16-K. Nelson, 13-J. Brimmer, E. Kline, 11-R. Cooper, 7-R. Nagle... DISTRICT 7: 127-G. ROCKWELL, 90-R. MESSER, 77-L. HUTCHINSON, 75-J. GRAHAM, 71-J. Lippincott, 70-J. Pratt, 58-J. Kneeland, A. Bond, 52-F. Stockbridge, 50-H. Ward, 41-A. Willis, 40-J. Harvey, 39-E. Barker, A. Long, 37-R. Collins, 34-R. Ritchie, 29-G. Cote, 28-D. Hoadley, D. Callan, 27-I. Witty, 26-P. Barter, 22-J. Hardy 21-J. Kernan, 17-S. Rudd, 14-D. Withun, 6-K. Morey, F. Heiss, 4-T. Hogg, 3-J. Pedersen. DISTRICT 5: 140-GUY BIGBEE, 75-G. MAGEE, 53-H. Weatherly, 50-W. Byrn, 48-H. Pruett, 27-H. Gunn, 24-M. Mosler, 17-G. Hinson, 9-A. Pleyte (Cont. Page 16)

International

Published Monthly Excepting July



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Rx'ers Alliance

CHARLES A. MORRISON  
EDITOR

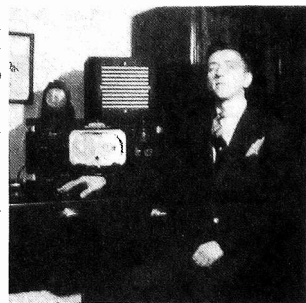
Volume 8

February, 1940

Number 2

**WTAM BROADCAST AND DX PARTY A HUGE SUCCESS**

If I took five instead of a half page I still could not do justice to the WTAM broadcast and dx party. What more can be said than that everyone of the 47 at tending had such a grand time they will never forget it...WTAM/NBC officials could not have done more for us than they did. In this connection especial thanks go to Hal Metzger, John Disbrow, Ed. Leonard and Tom Manning, who planned and carried out a broadcast so merry and so informal its infectious cordiality and good humor caused dx listeners from coast to coast to record their own enthusiasm by acknowledging it as "the best dx show they had ever listened to."...To Richard McLean, sales manager, and Eugene Kelly, manager, of the popular Statler Hotel, our grateful thanks for providing a lovely suite of rooms for the writer and his wife, which served on Sunday afternoon as a convenient meeting place for all our members and dx friends who dropped in to chat...A big hand to IDA Programs Director Herb Tucker for arranging the show; to our genial hosts, the Cleveland Radio Club members, and to our co-operating brother organization, the National Radio Club. It was a real pleasure to meet and exchange dx views with capable NRC Pres. Harry Gordon, and we feel all club executives would benefit by such cordial relationships...Thanks to every member who attended the broadcast and especially to the Chicago delegation, including Messrs. Trezise, Beyer, Herz, Anzalone, Schenk, Grey, Bristow, and Mrs. Zana Kandle, all of who braved 700 miles of icy roads to participate...Early reports indicate the broadcast was well received throughout Eastern North America, and with fair volume on the west coast, despite poor atmospheric conditions. -CAM

DX CORNER OF J. JENKINS,  
GLEN ELLYN, ILLINOIS.IDA 100 CLUB MEMBER,  
BOB HETZEL, MILWAUKEE.**NEW MEMBERS**

C. McMillan, Auckland, NEW ZEALAND....  
Andre Ricard, Cauderan, FRANCE...Howard Grounds, Newport, Mich...E. Schubert, Paterson, New Jersey...A.R. Bond, Fall River, Mass...J.L. Millard, Jackson, Mich...H. Harrow, Los Angeles, Calif...Oddgeir Barneson, Los Angeles, Calif...L. B. Pearson, Brooklyn, N.Y...J.F. Morris, Toronto, CANADA...M.V. Ilagan, Melrose Park, Ill...Jas. J. Hart, Irvington, N.J...Chas. D. Mouzis, Milwaukee, Wisconsin.

**IDA EXCHANGE CORNER**

E. Prendergast, Bldg. #59, Roosevelt Field, Garden City, L.I., N.Y. (swap letters with any dx'er or ham located in a Flying Field)...E.G. Riggle, 31 Maple Ave., S.E. Massillon, Ohio (swap photos or letters with dx'ers in Borneo or

Malay States)...J.L. Millard, 917 West Ganson St., Jackson, Mich. (will answer any questions about the Antarctic).

**CALENDAR FOR  
IDA LOCAL CHAPTERS**

BETA (N.Y.C area)- Next meeting on Sat, Feb. 17, at home of M. Buitekant, 2945 Brighton 8th St., Brooklyn.....  
DELTA (Lansing area)- Next meeting, Fri. March 1. For details contact John DeMyer, 2230 Maplewood, Lansing, Mich...  
LAKES (Mpls. area)- For exact date Feb. meeting contact Carl Eder, Willmar, Minn...  
REGINA (Regina)- Turkey feed on Jan. 6, was a great success...  
SO. CALIF (L. A. area)- Next meeting Feb. 24. For details contact Hal Clein 1427 Maltman Ave., L.A...  
WINDY CITY (Chicagoland)- Next meeting Feb. 14, at YMCA, 19 S. La Salle, St., Chicago.

# BROADCAST STATION NOTES AND DX TIPS

**AUSTRALIA** 3CS (1130), Colac, Vict., is now on air (ADXC)... Following Aussies are being heard in N.A., 4am-daylight EST (4:30-7:30am PST): 2FC (610), 4QN (630), 2CO (670), 2NR (700), 7NT (710), 2BL (740), 4QS (760), 4QG (800), 2UE (950), 2CA (1050), 4SB (1060), 4BC (1120), 2WG (1150), 2NZ (1170), 2NC (1230), 3SR (1260), 2TM (1300) irreg., and 4BH (1380) (Walcott, Gustafson, Lippincott)

**CANADA** NEW- on the air: CKNB (1210), Campbellton, N.B., 250w; CJHC (1290), Halifax, N.S., 1kW; CHNB, North Battleford, 100w (Mann)... Proposed: A station on 1520, for Glenavon, Sask.; a 100w station for Quebec, to operate on 1530, and a 100w station for Ontario, to operate on 1540 kcs. (MNRC)

C.R.	Official List of C.R. stations (NRC).....(*)	Heard well in N.A.
<u>TI5CV</u> 575kc	100 watts. Alajuela <u>TIEMC</u> 860 250	El Mundo, San Jose
<u>TIGPH</u> 605	1000 *Alma Tica, San Jose <u>TILS</u> 880 500	Para Ti, San Jose
<u>TIPG</u> 625	5000 * San Jose <u>TIAFB</u> 900 600	San Jose
<u>TIGPH</u> 650	(In constr.) San Jose <u>TIRS</u> 925 200	Athenea, San Jose
<u>TIGH</u> 690	1000 San Jose <u>TIOS</u> 940 500	*Titania, San Jose
<u>TI4NRH</u> 725	750 Heredia <u>TIFA</u> 1000 250	San Jose
<u>TING</u> 750	375 San Jose <u>TISMG</u> 1030 500	*
<u>TILJ</u> 775	450 San Jose, San Jose <u>TINBC</u> 1070 5000	(In const) San Jose
<u>TIxD</u> 800	1000 San Jose <u>TIRCC</u> 1200 500	San Jose
<u>TIEP</u> 830	3000 * San Jose <u>TIGPH2</u> 1225 1000 *	San Jose

**CUBA** NEW: CMKH (1110), Guantanamo.... CMGH, Matanzas, to 1170kc (Mann).. Under construction: (all 1kW): Santa Clara (570), Jovellanos (670), Camaguey (710), Las Tunas (730), Guantanamo (740), Ciego de Avila (870), Pinar del Rio (990), Santiago de Cuba (1030), Matanzas (1040), Holguin (1150) (NNRC)

**ENGLAND** The BBC home service program is now broadcast on 668 and 767kc, and after 1pm, also on 877kcs. Immediately after an air-raid warning London Regional shuts down (Goodchild, Burton)... DX Reception in England during 1939: N.A. stations heard Aug. 1-11; mid-Sept.; Nov. 1-13, and 19-Dec. 7. Reception during intermediate periods was limited entirely to So. Americans (Walton)

**FRANCE** "Radio International" (1410), formerly Radio Normandie, Fecamp, broadcasts 3am-2pm and 7-8:30pm, for B.E.F. in France (Coales, Goodchild)

**GERMANY** The Austrian 'Freedom Sender' (1410) broadcasts irreg. from 2:30 to 6:30pm, being badly jammed by German interference (Goodchild)

**INDIA** The new 5kW station at Dacca, Bengal, was inaugurated on Dec. 16.

**JAPAN** Nearly always audible on west coast of N.A., 5-6am EST: JOAK1 (590), JOBK1 (690), JOIK (810), JOAK2, (870), JOBK2 (940), JODK2 (970)... These are heard irreg.: JOMG (600), JOCK1 (730), JOHK (770), JOFK (830), JBCK (850), JOXK (980), JOCK2 (990) and JOHG (1050) (Walcott-San Francisco)

**N.Z.** Being heard in N.A., usually best near 5am EST, and 5am PST: 2YA (570) 1YA (650), 3YA (720) and 4YA (790). All YA's are now on daily to 7am. (Tune in, Lippincott-Maine, Walcott-Calif.) -EST (Walcott)

**PHILIPPINES** KZRM (618.5), Manila, heard on west coast irreg. near 6:30am-

**TRIPOLI** Tripoli (1104), heard in Mass. and Maine, mornings from lam on, and afternoons from as early as 2:45 to 5:45pm EST (Lippincott, Burnham)

**U.S.A.** WSAV (1310), Savannah, Ga., went on air Dec. 29 (White)... Construction permits have been issued for KWAT (1210), Watertown, S.D., 250w, and WPAB (1340), Ponce, Puerto Rico, 1kW... Frequency: WSOY, Decatur, Ill. to 1310; KOH to 630, with 1kW; KGMB, Honolulu, to 590, 5 kW; KERN to 1380, 1kW (Callan- FCC)

## EUROPEAN BROADCAST STATIONS BEING HEARD IN N.E. UNITED STATES

Kcs.	AM	PM.	814 Milan	2-2½	4½-6½	1393 France	5½-6
556 Bero-		5-6	832 Paris	3-3¼		1412 France	2-3 5½-6
munster			850 Stavanger	2-2:10		NOTE: If tuning in evening try for these first:	
565 Athlone		4½-6½	850 Spain	2-3¼		776, 913, 695, 1104 & 1412.	
574 Stuttgart	2¼-2½		868 Tunis	3-3¼	4¼-5	Next best are: 648, 1077,	
648 Lyons	1½-2½	4-6½	913 Toulouse	2½-3¼	5-6½	1185, 1195, 1366 & 1393kc.	
668 England	2¼-3½	4¼-5	986 Bologna		4½-5	With good conditions, you	
677 Sottens	2-2½	4-6½	995 Holland	3-3½	4½-5½	can hear Italy on 814,	
695 Paris	2½-3½	4-6½	1040 Rennes	1½-3		713, 986 & 1222kc. In AM's	
713 Rome		6-6½	1077 Bordeaux	1½-3¼		try for Germany on 740,	
758 Katowice	1¼-2½		1104 Tripoli	1-on	3-5½	785, 904, 1195 and 1267kc.	
767 England	3-3½	4½-5½	1185 Nice	1½-3	5-6	Stavanger good at 2am.	
776 Toulouse	1½-3	4-6	1195 Germany	1-1½		(Lippincott-Maine)	
785 Leipzig		5¼-5½	1213 Lille	1½-3			

(VIC ratings cont. from Page 13). GT.BRITAIN: 108-R.PYBUS, 93-R.COALES, 60-J.Shaw, 26-P.Fawcett, 24-W.Rawlins (Send reports to R.Pybus, 4 Highfield Rd, Manchester 21) JAPAN: 95-S.YOSHIMURA, N.Z.: 92-A.BREEN, 53-B.Connor, ... AUSTRALIA: 112-R.SIMPSON, CANAL ZONE: 57-J.Gallivan. (Note: The next VIC-VAC listings will appear in the MAY Gobe Circler. - Ed.)

**— FEATURE DX BROADCASTS —**

(E.S.T.)					(kcs.)	
Sat.,	FEB. 3	2:30-4:30 a.m.	WPAY	Portsmouth, Ohio	NNRC	1370
Sunday,	FEB. 4	4:30-5:30 a.m.	XEDE	Torreón, Mexico	URDXC	1400
Monday,	FEB. 5	2:00-4:00 a.m.	LS11	LA PLATA, ARGENTINA	NRC	1310
Wed.,	FEB. 7	3:00-4:00 a.m.	XEFC	Merida, Yucatan	NRC	1340
Sat.,	FEB. 10	3:00-4:00 a.m.	CKNB	CAMPBELLTON, N.B.	NRC	1210
A brand new station...Address all replies to C.S.Chapman, enclosing 10 cents in coin for a verification.						
Sunday,	FEB. 11	2:00-3:00 a.m.	WADC	Akron, Ohio	IDA	1320
Live talent dx program...announcements in Spatari.						
Sunday,	FEB. 11	5:00-6:00 a.m.	KFAR	FAIRBANKS, ALASKA	IDA	6T0
A novel program has been arranged from this new station, and all reporting correctly will receive the stations new QSL card.						
Monday,	FEB. 12	3:00 a.m. on-	CMHK	CRUCES, CUBA	NRC	1210
Wed.,	FEB. 14	2:00-6:00 a.m.	CMHJ	Cienfuegos, Cuba	All	1160
Sat.,	FEB. 17	2:00-3:00 a.m.	KVSF	Santa Fe, New Mexico	IDA	1310
Sunday,	FEB. 18	2:00-6:00 a.m.	KGHI	Little Rock, Arkansas	IDA	1200
Tuesday,	FEB. 20	3:30-4:00 a.m.	WEXL	Royal Oak, Michigan	NNRC	1310
Wed.,	FEB. 21	1:00-5:00 a.m.	KCRC	Enid, Oklahoma		1360
Sunday,	FEB. 25	3:00-4:00 a.m.	WJW	Akron, Ohio	IDA	1210
Live talent show with Program Director Herb Tucker participating.						
Sunday,	FEB. 25	4:30-5:30 a.m.	XETB	Torreón, Mexico	URDXC	1310
Wed.,	MAR. 20	3:15-4:15 a.m.	HOC	PANAMA CITY, PANAMA	NRC &	1440
Weekly	Sundays,	1:30-1:45 a.m.	TG2	Guatemala City, Guatemala	IDA	6195
Weekly	Thurs.,	2:45-3:00 a.m.	KSL	Salt Lake City, Utah	Tips	1130

**(E.S.T.) SUGGESTIONS FOR TUNING-IN BROADCAST BAND LATINIS (E.S.T.)**

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| <p>605 TIGPH, San Jose, good all eve.<br/>         625 TIPG (5kW), good evenings.<br/>         638 YSS, El Salvador, good when not covered by Cuban CMCD (630)<br/>         640 HOK, Panama City, Panama<br/>         640 VONF, Nfld, heard in east 8-9:30pm<br/>         710 LS1, Argentina, reported.<br/>         750 LRA, Argentina, tests from 3am almost daily, using foghorn sigs; Eng/Spanish anns. at 3am.<br/>         780 LT1, Argentina reported.<br/>         790 ZNS, Bahamas, heard to 9 p.m.<br/>         840 LT8, Argentina reported.<br/>         854 OAX4A, Peru, heard eve's to 11:30p<br/>         870 LR6, Argentina, and HJ3CAC, 10-11pm<br/>         882 YV5RQ, "Radio Libertador", Caracas (1kW), heard eve's, and from S.On at 6:25 to approx. 6:45am.<br/>         910 LR2, Argentina, reported.<br/>         937 TIOS, "Titania", San Jose, C.R., 5kW, reported. XEFO (935), heard.<br/>         960 YV5RA, "Radio Caracas" (5kW), is well heard at times.<br/>         960 LV2, Argentina, reported.<br/>         980 PRE8 or PRL3, heard at times.<br/>         990 LR4, Argentina, reported Mondays, 1 to 1:30am. (-nings)<br/>         1000 PRB9, Brazil, often good early eve<br/>         1005 YV5RG, Venezuela, reported. (pm)<br/>         1032 TISMG, San Jose, C.R., S.O., 's 11:30</p> | <p>1070 LRI, Argentina, heard irregularly.<br/>         1105 HJCB, "Emisora Nueva Grande", Bogota, is being heard 8:30-11pm.<br/>         1122 YV1RF, "Ondas del Lago", Maracaibo, QRM's 4BC, Brisbane, at S.On, at 5:30am<br/>         1140 HJBJ, "La Voz de Santa Marta", Santa Marta, heard in west 10, or 10:30pm<br/>         1153 YV1RD, Maracaibo, heard evenings;<br/>         1153 YV4RG, Maracay, signs-on at 5:30am<br/>         1160 LT5, Argentina, heard here.<br/>         1170 CMBH heard here, although correct frequency is announced as 1190kc.<br/>         1190 HJAN and LS2 heard here irreg.<br/>         1220 PRA9, fair at times in early eve.<br/>         1225 TIGPH2, "Nueva Alma Tica", San Jose (1kW), heard to S.O. at 11pm.<br/>         1250 YV1RK, "Radio Popular", Maracaibo, also announces "Emisoras Favoritas", heard eve's, and Mon. at S.On at 5:30a<br/>         1270 LS9, Argentina, heard to S.O. at 9p<br/>         1290 HJ2BAC, Colombia, reported heard<br/>         1310 LS11 breaks thru at times. Sends very nice QSL cards.<br/>         1520 TGW, Guatemala, heard well nightly<br/> <u>MISCL</u>: XEY, San Luis, Sonora, is on 1450 rather than 1440, with mailing address Yuma, Ariz. XEFI, Chihuahua, is as before heard on 1445. XEBZ (810), is some times heard after WCCO signs-off. (Walcott, Lippincott, Mann, DeMyer, NRC)</p> |
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