

# THE GLOBE CIRCLER

APRIL, 1939



Prof. Corwin and John Sheehan, program manager of W2XAD and W2XAF, broadcasting over portable short-wave station WOEG from atop Whiteface Mountain, Lake Placid, New York.

## *In this issue*

GOLDEN GATE D X FESTIVAL—NEW BRITISH FREQUENCIES—SHORT-WAVE NOTES FROM 75 COUNTRIES—GUATEMALA WEEKLY PROGRAMS FOR I. D. A.—REVISED FREQUENCIES FOR VENEZUELAN STATIONS—COMPLETE SHORT-WAVE LIST (11 THROUGH 62 METERS)

*ten cents*

# INTERNATIONAL DX'ERS ALLIANCE

International

Published Monthly Excepting July



BLOOMINGTON, ILLINOIS, U. S. A.

Dx'ers Alliance

CHARLES A. MORRISON  
EDITOR

Volume 7

April, 1939

Number 4

## EDITORIAL

To stimulate enrollments during the next 6 months, April through September incl., we are offering the following awards, namely: 1 year free subscription to Ama-Touring to any member enrolling 3 new members during this period; 1 year free subscription to Globe Circler to any member enrolling 5 new members during this period; 1 year free subscription to Globe Circler and Ama-Touring to any member enrolling 7 new members during this period. We will furnish sample copies, & application blanks to any one requesting same- Editor



MINNESOTA IDA 10,000 LAKES CHAPTER  
Front row, left to right: L. Lundberg, 1020 Lowry Ave North, Minneapolis; I. Brian, Anne & Carl Eder; Back row, left to right: H. Gribble, R. Brian, Ray Carlson, K. Skoog, R. Schuckhart. All exchange SWL cards 100% (Addresses may be had from L. Lundberg)

## NEW MEMBERS

R.C. Austin, Somerville, Mass...Roy Schuckhart, and Ray Carlson, Minneapolis, Minn...F. Stockbridge, Westborough, Mass...C. Meyers, Le Roy, Minn...J. Zimmerman, St. Louis, Mo...Maxime Louis, Bordeaux, FRANCE...G. Roche, Amesbury, Mass...G.E. Jansen, Chicago, Ill...F.A. Alexander, Los Angeles, Calif...George Saunders, Glendale, Calif...F. Smith, Detroit, Mich...D. Williams, Santa Ana, Calif...F. Heiss, Cranston, R.I...M.M. Hiatt, Dryden, Wash...A. Brindley Jr., Philadelphia, Penna...B. Nordgren, Scarsdale, N. Y...B. Mallett, Little Rock, Ark...Wm. McClellan, Virginia, Minn

## GOLDEN GATE DX FESTIVAL

Only three more months until the big IDA DX FESTIVAL in San Francisco ..JULY 11, is the day. Meet all your dx correspondents and fellow members at the Convention. A schedule of activities that will appeal to every dx'er has been arranged. The GOLDEN GATE EXPOSITION has already attracted almost 2,000,000 visitors. It is the greatest sight of the century... Send your reservations now to George C. Sholin, 55 Lapidge St., San Francisco co. A special group of members and dx'ers will travel by train, leaving Chicago, and stopping enroute at many

points of interest as arranged for us by the Northern Pacific Railroad. (See insert). Why not join the gang for a real outing.

## CHAPTERS

LAND OF 10,000 LAKES (Minneapolis): First official meeting held on Feb. 25, and following officers were elected: C. Eder, Chairman, and L. Lundberg, Secretary. Meetings will be held once a month at home of L. Lundberg, 1020 Lowry Ave. North, Minneapolis.

REGINA JUBILEE (Regina): Meeting at home of Mrs. Baird, was held on Feb. 22 instead of Feb. 18 as planned.

SO. CALIF (Los Angeles): Feb. 25 meeting at home of A. Balbi, 1328 Angelus Ave, L.A., was attended by 22, including 2 new members and guests, W6NTX and his wife. Prizes for the SE contest were awarded, namely bronze medals for the Amers, and W. Britting. In the new contest a small silver trophy will be awarded each month and a big one for the grand award.

WINDY CITY (Chicago): Meeting of Mar. 8 was well attended and plans were discussed for the mid-States Conclave. Next meeting will be Apr. 12 8pm CST, at Central YMCA, 19 S. La Salle St., Chicago. All dx'ers invited!

# SHORT WAVE NOTES

Editor-in-Chief, Charles A. Morrison; Ama-Touring Editors, Roger Legge, Roy Waite; Frequency Checking Editors, R.B. Oxrieder, John Larsen.

## IDA ASKED TO FURNISH SIGNAL SURVEYS

IDA listeners have been requested to furnish signal surveys in the following instances: (1) "Radio Internacional" (OAX4J/OAX4I) of Lima, Peru, will soon place a new transmitter in operation on the 49-meter band and is anxious to choose the best available clear channel—tentative frequencies under consideration include 6.22, 6.443, 6.533 and 6.583 mcs. Listeners are requested to study the 49-meter band especially the above named frequencies and then to report your observations to Antonio Vazquez, Apartado 1166, Lima, Peru; (2) The E.I.A.R., Via Arsenale 21, Torino, Italy, is very anxious to receive detailed and regular reception reports covering signal strength, and stability of signal for its new transmitters, especially on the following transmissions: 2RO4 (11.81), 4:40-8:45, 10am-12:15, 12:15-9pm; 2RO3 (9.63), 12:10-9pm; 2RO6 (15.3), 10am-9pm; 2RO8 (17.82), 4:40-7:30am and 2RO9 (9.67), 1:30-6pm.



WORLD'S LEADING DX'ERS: No.2: ROGER LEGGE, 20 Beethoven St., Binghamton, New York...Has a RME70/DB70 rcvr...On S.W. has VIC 124/VAC 53...IDA 100 Club...Editor of Ama-Touring...Graduate Univ. of Pa...Bank employee

PERUVIAN PROGRAM FOR IDA: ON JUNE 30, 7-8pm, over OAX4J (9.34), OAX4I (1100kc), and the new xmtr., all operated as "Radio Internacional, S.A.," Apartado 1166, Lima, Peru (H. Campbell)

AMA-TOURING: Each issue contains numerous departments of interest to dx'ers who tune the amateur bands. Write to HQ for a sample today. Subscription rate is 75¢ per year, or with Globe Circler \$1.75 per year.

DEADLINES: For MAY GLOBE CIRCLER, April 15; for MAY STOP PRESS SHEET, April 29; for MAY AMA-TOURING, April 22 (For Ama-Touring, send your news items to R. Legge, 20 Beethoven St., Binghamton, N.Y.)

MAKE OUT YOUR SHORT-WAVE REPORTS AS FOLLOWS: Double space lines; use one side page only; group items by continents, and state time used. Items in order of importance are: NEW stations; exact frequencies, or frequency changes; exact schedules, or addresses; identifying signals and unusual receptions. RUSH important items by fastest mail....FOUR STAR items denote exceptional merit. EACH FIVE STAR (\*\*\*\*\*) ITEM pays contributor \$1.00.

(EST)

### == NORTH AND CENTRAL AMERICA ==

(EST)

ALASKA WXE, Anchorage, won't verify unless reports are requested during transmission (Plotner)...K7XFU, Juneau, aeronautics station, granted following additional frequencies: 3.35, 3.4, 4.055, 4.065, 8.11 and 8.13 (FCC)

BRIT. HONDURAS VPIWB (14.02), being heard R9 near 2am EST (Hetzl)

CANADA CFRX (6.07), broadcasts news at 10:45pm (Ambrosius)...New Trans-Canada airways stations at Toronto, and Montreal, heard on 7.46, at 10:20pm (Olthoff)...CY50, Ft. Albany, and CY5M, Moosonee, Ont., both on 3.42, QSO in French near 8:30pm; CZ7V (2.29), Kirkland Lake, Ont., phones VE2CH (3.888), near 8:30pm. CZ7I (4.53), Tareau, P.Q., Heard at 9:17pm (E. Roberts-Ind)

CAYMAN ISLS. VIY or ZIY (6.995), in Grand Cayman, Cayman Isls., is reported to be broadcasting irregularly from 6 to 10 p.m. (DeMyer)

COSTA RICA Address for TILS is Radiodifusora Para ti, Apartado Postal 3,

San Jose (Rubio)...TIGPH and TIXGP3 are both on 5.83; the former relays TIGPH to 10pm, the latter relays TLX 10-11pm. TIGPH2 (5.883), is an entirely different station (\*\*RBO)...TT2XD (11.94),now operates 7:30am-noon, and 4-10pm (Reynolds)

CUBA The Press & Cultural Dept. of the Army, will soon put the following xmtrs. on the air: COY (4.29) and COX (6.39)(\*Rubio)...COCM now on 9.8 (Larsen)...COGQ has decided to remain permanently on 8.83 (Rubio)...COCW is now on 6.33 (Larsen)...COGF varies from 11.8 to 11.808 (Oskay)

CURACAO PJCL (9.091) has not been heard of late? (RBO)  
D.R. An unidentified HI8-? (5.882) is being heard nightly to 11pm (Larsen)...HILN,formerly HIN (12.486), now operates 6:40-10:40am and 5:10-10:10pm (Reynolds,RBO)...HIIG,formerly HIG,usually near 6.29,varies in frequency (Oskay)...HI2X (11.97) and HI3X (15.268),operate Tues/Fri 8:10-1010 pm and-Sundays 7:40-9:40am.Address is "Secretaria de E.De Comunicacions Y Obras Publicas, Estacion Radiodifusora HI2X/HI3X,Trujillo City (Fields,NRC)

GUADLOUPE FGSAH (7.44),gives announcements in English every 15 minutes..

GUATEMALA TGF (5.81),heard calling TGM2 in Spanish at 8:25pm (E.Roberts) ...TG2 (6.195),"Radio Morse",relays TG1 (1310),daily 7:30-10am and 6-11:30 pm,Sat. 6pm-3am and Sun 3-8pm; TGOA (6.4),"The Voice of Quezaltenango",re-lays TGQ (1450),daily 8-11pm,Sat.8pm-1am and Sun.7:30am-3pm (Sr.E.Perez)

HAITI "Jamaica on the Air", English program dedicated to Jamaica, is now broadcast over HH2S (5.95),Wed.8:30-10:30pm (Mrs.L.Allwood)...

HAWAII "Hawaii Calls",is now broadcast Sat 9:30-10pm over KQH & KKH.

HONDURAS HRN (5.875),500w,Tegucigalpa, verified in 4 1/2 months with pale blue card having red call letters (Varga)...Reports to unlicensed amateur station HR5C can be sent to E.C.Connell,San Juancito,but should be sent in envelope with no mention of radio or call letters on outside (Ama-Touring)

MARTINIQUE "Radio Martinique" (9.705),P.O.Box 136,Fort-de-France,Martinique,uses the slogan"The Voice of France in the West Indies"(Lundberg,Bat-

MEXICO XECU (7.38),broadcasts Sundays 6-7pm (Campbell)...XEYU (son (9.604), "Radio National", Mexico City, is still being heard irreg. 9-11pm (Balbi,Larsen)...NEW: XEHX (10.5), heard testing and requesting reports in Spanish and English, March 11, 1:58-2:14 and 2:22-3:15am (\*\*Stark)

NICARAGUA YNOP (5.46) signs-off at 9:30pm (Graham)

PANAMA HOA (2.34), Panama City, heard at 9:45pm (Taglauer)...HP5J is

varying in frequency again between 9.59 and 9.604 (Oskay, Larsen, RBO)

ST. LUCIA VP2LC (14.1),heard R9 at 6:30am (Hetzl)

UNITED STATES BROADCAST STATIONS: The World Wide Broadcasting Corp. of Boston,Mass.,is testing a new 20kW xmtr. on 15.13 and 11.73,using the call W1XAR (FCC,Taglauer, Lundberg, Christie, CAM)...Revised sked for W2XAD follows: on 21.5,8-11am; on 15.33,11:15am-6pm, and on 9.55, 6:15-9:15 pm (Darlington)...During April W2XE will operate on 6.12(in place of 6.17) ...W3XAU is now operating on 6.06 as follows: Tues/Wed/Fri/Sun 7:30-11pm; Mon/Tues/Thurs 12-1am; Wed/Fri/Sat 11:30pm-1am and Sat.11:30pm-2am (W3XAU) ...W4XB (6.04), Miami, broadcasts the news at 11pm (Ambrosius)...W6XBE (15.33), began testing on Feb.18, at 6:15pm, was officially inaugurated on March 2, and is now operating daily 7 to 10am to Asia and 6:30-10pm to S.A. Send reports to Treasure Island,San Francisco. Letter verifications are being issued at present but QSL cards will be prepared in the near future (Darlington,Lundberg,Gardner,Taglauer,Field,Balbi,Larsen, CAM)...UHF: NEW: G.E. at Schenectady has been granted a construction permit for a new 50w xmtr. to work on 41.8. . . NEW: W6XDA (35.6), is now on the air, relaying KNX of Los Angeles,daily from noon on (ILA)...W2XDV (31.6),New York,operates 6-11pm ex.Sat/Sun,and Sat/Sun 1:30-6, and 7-10pm...W4XCA (31.6),Memphis power 250w,operates 10am-6pm (ILA)...W5XD (31.6), Dallas, operates 11:30am 1:30pm ex.Sat/Sun...W9XHW (31.6), Minneapolis, operates 9am-12:30am...NEW: W9XH (26.05),South Bend,Indiana,is on the air daily relaying WSBT (ILA)...W2XQQ (26.55),New York,N.Y., Broadcasts news at 2pm and asks SWLs for reports (Olthoff). . . TELEVISION: The Crosley Corp. of Cincinnati, Ohio,has been granted a construction permit for a 1kW visual xmtr. to operate on 50 to 56mc, from the 48th floor of the Carew Tower...The Don Lee Broadcasting System of San Francisco, has been granted a construction permit for a 1kW visual xmtr. to operate on 42 to 56mc (FCC).

== SOUTH AMERICA ==

ARGENTINA LRX (9.66),operates 6-6:45am and 9:15am-10pm; LRU (15.29),7-9a

BRAZIL PSE (14.93), is now broadcasting in parallel with PSH nightly from 6 to 7 p.m. (\*Oskay, Larsen, Graham, Guilbert, Tuffs). PSE broadcasts a talk in French on Saturdays at 3 p.m. (Guilbert)

CHILE CD1190 (11.91), verifies with a red and white card showing a rough drawing of two antenna posts supporting a center fed aerial and depicting the transmitter in the background. Station relays CD69 daily 10am 1, 3-6, and 7-10pm (Shaffar)...CB1510 (15.1), is testing at 7:30am (Reynolds)

COLOMBIA All Colombian stations must move to the 62-meter band not later than July 1 (W2IXY)...HJLABP (9.618), Cartagena, comes on the air at 7pm, badly QRM'ing CXA6 (Graham)...HKF on 9.71 is now believed to be broadcast call for HJ3CAF (4.855), thus making the 9.71 frequency a harmonic of HJ3CAF (Larsen)...HJ3CAH, Bogota, has shifted up to 4.9 (Larsen)...HJ3CAX (6.01), Bogota, signs-off at 11pm with announcements in Spanish, German, English and French (Eders)...HJ6ABB, Radio Manizales, is on 6.105, while HJ6ABA, La Voz de Pereira, is near 6.054 (\*RBO)

ECUADOR HCL1JB (14.42), HC2JB (12.46 and 4.107), operate daily ex. Mondays 7-8:15, 11:30am-2:30, and 4:45-10:15pm (Herz, Oskay)...HCK (5.885), Quito, back on the air after a long absence (RBO)...HC1GQ now on 9.17 (Larsen)...HC1PM (5.725), "El Palomar", owned by J. Leonardo Ponce, Quito, operates Sundays 9-11 pm according to veri (NRC)...NEW: HC2AB (9.188), "Radio Telegraphic", signs off nightly near 10pm; interval signal is 12 chimes- in series of three's, on the hour (\*\*Larsen)...HC2CW is now on 9.135 (Larsen)

PARAGUAY ZP14 (11.72), heard signing off at 7:55pm, is apparently not on the air every night (Eders, NRC). Can anyone give accurate schedule?- Ed.

PERU An OAX4AO (9.75) heard testing with records occasionally between 2 and 3am. Location unknown. Announcements in Spanish (Stark)

VENEZUELA YV1CB (7.64), Maracaibo, heard at 6:40pm and 6:50am, calling Santana (Legge)...YV3RX (4.99), now operates daily 10am-11pm (Tuffs)...NEW: YV4RQ (5.02), "Radio Puerto Cabello", owned by Raf. A. Segura of Puerto Cabello, signs-off at 9:20pm; announces 5 min. before and 25 min. after the hour (\*\*Larsen, Oskay)... SCOOP--- NEW FREQUENCIES FOR ALL VENEZUELAN STATIONS

<u>WHICH WILL BE IN EFFECT AFTER APRIL 1</u> (***) <u>Kammann</u> )				(Relays)
<u>YV1RJ</u>	4.97	"Radio Falcon"	Coro	J. A. Mendoza
<u>YV1RL</u>	4.86	"Radio Popular"	Maracaibo	J. A. Higuera M.
<u>YV1RO</u>	4.78	"Radio Trujillo"	Trujillo	P. J. Torres Under const.
<u>YV1RT</u>	4.77	"La Voz de la Fe"	Maracaibo	P. A. Bermudez V.
<u>YV1RU</u>	4.81	"Radiodifusora Maracaibo"		Luis Mantellini H.
<u>YV1RV</u>	4.80	"Ecos del Zulia"	Maracaibo	Luis Garcia N.
<u>YV1RX</u>	4.89	"Ondas del Lago"	Maracaibo	Romulo Govea
<u>YV1RY</u>	4.91	"Radio Coro"	Coro	Roger Leyba
<u>YV1RZ</u>	4.85	"Radio Valera"	Valera	J. L. Febres Jelambi
<u>YV2RN</u>	4.87	La Voz del Tachira	Sn. Cristobal	J. M. Diaz Gonzales
<u>YV3RN</u>	4.82	Radio Barquisimeto	Barquisimeto	Amilcar Segura
<u>YV3RX</u>	4.99	"La Voz de Lara"	Barquisimeto	A. Ramos Maggi
<u>YV4RO</u>	4.95	"La Voz de Carabobo"	Valencia	H. Degwitz
<u>YV4RP</u>	4.93	"Radio Valencia"	Valencia	H. Y. O. Croquer
<u>YV4RQ</u>	5.02	"Radio Puerto Cabello"	"Puerto Cabello"	Raf. A. Segura
<u>YV4RX</u>	4.84	"La Voz de Aragua"	Maracay	H. Y. O. Croquer
<u>YV5RH</u>	4.83	"Ondas Populares"	Caracas	G. Veloz Mancera
<u>YV5RM</u>	5.01	"Radiodifusora Venezuela"	Caracas	Degwitz & Siblesz
<u>YV5RN</u>	5.04	"Radio Caracas"	Caracas	Almacen Americano
<u>YV5RK</u>	5.00		Caracas	Reserved for the Government.
<u>YV5RO</u>	4.94	"La Voz de Venezuela"	Caracas	Dr. M. de Goya
<u>YV5RS</u>	4.96	"La Voz de la Philco"	Caracas	Victor M. Soto
<u>YV5RU</u>	4.92	"Estudios Universo"	Caracas	M. Garcia Arocha
<u>YV5RY</u>	4.79	"La Voz de la Esfera"	Caracas	Suegart & Co.
<u>YV6RT</u>	4.90	"Radio Bolivar"	Cd. Bolivar.	Miranda & Behrens
<u>YV6RU</u>	4.88	"Ecos del Orinoco"	Cd. Bolivar	E. Torres Valencia

### == EUROPE ==

ALBANIA ZAA is still testing on various frequencies, but usually on 6.085, from 1:30-7pm. Freq. of 7.85mc is used occasionally. Send reports to ZAA, Direction Generale des Postes et Telegraphes, Tirana (\*\*\*)Guilbert)

AZORES CT2AJ (4), is being heard Sat. till 7pm (Legge). Station believed to have been CT2AJ heard playing records on Friday at 11pm (Clein)

BOHEMIA (formerly Czechoslovakia) We have no definite information as yet

concerning the fate of S.W. station OLR since Prague has become a part of the Third Reich. At present (Mar.20) the station is off the air, but undoubtedly it will again be put into operation by the Nazi Government, although we are at the moment unable to say what call or schedule will be used- Ed. Transmissions from Prague for April were to have been as follows --over OLR4A (11.84),Sundays,8:25-10:05am; daily,12:45-6:30, 7:55-11:20pm; over OLR5A (15.23),4:55-8:15am,and over OLR4B (11.76),weekdays 8:25-10:05a

CORSICA Mystery xmtr., "Radio Corse Libre"(9.57),is broadcasting anti-French talks 3-3:30pm (Guilbert). Heard on 9.875 at 9:55pm (Botkin)

ENGLAND Revised timings for the news bulletins are as follows: 3, 8:15, 11am, 1, 4:30 (Sun. 4:05),7:45 (Sun. 7:30), and 11pm. Trans. IV, now opens at 12:22, and trans VI. now closes at 11:30pm (BBC) -bi,Eders)

FINLAND A lady announcer is employed on transmissions from Lahti (Bal

FRANCE "Paris Mondial" has been broadcasting the 9:30pm-mid. transmission for N.A. experimentally on the following freqs: 9.55, 9.62 and 7.27mc; also irreg. 11:15am-6pm on 7.27 (Guilbert,Ambrosius,Larsen,Messer,RBO,Legge,Balbi,Taglauer,Evanovsky,Amers,Eders,Callan,Morris,Pedersen,Shafar,Campbell,Hadlock,Clein, Oskay,Gardner, Jacquemard)..."Radio Liberte", Paris (10.07),heard signing-off at 5:40pm; is on irreg. (Eders)

GERMANY DZC (10.29) is being heard irreg. near 5-6pm (Eders,Oskay,Balbi)...NEW station on 15.36 heard in parallel with DJL on Mar.12 )Pedersen) ...DJI (7.29),a new freq., has been reserved for use in the 40 meter band next fall (Legge)..."Deutsche Freiheits Sender" (10.54), believed heard again on Feb. 5 at 5:10pm (Ambrosius)

IRELAND "Radio Eireann",announced as the "Experimental Short-Wave Station of Ireland,at Athlone," is on the air.First heard on Feb.26,the xmtr. tests every morning on 17.84mc,and afternoons irreg. from approximately 4 to 5:30 or 6pm, on 9.595mc. Announcer is man, and jigs and reels are often played (\*\*Legge, Larsen, CAM, Kernan, Pedersen, Christie)

ITALY 2R012 (15.1) and 2R013 (11.9) are being used experimentally (ETAR,Graham,Christie)...See list for revised 2R0 schedules-Ed.

LITHUANIA LYR (9.28),Kaunas,broadcasts daily after 11am. Will test soon on following freqs: LYZ2 (9.525), LYZ3 (11.9) and LYZ4 (15.3). The Govt. has placed an order for a very powerful new short-wave transmitter (R.P.S.

NETHERLANDS PCJ2 (15.22) is being heard every morning from 7am on (D.R.)

NORWAY The old Jeloy xmtr., temporarily on 8.025mc, is being heard in parallel with LLG (9.61), nightly 8-9 and 11pm-mid; also reported testing on 7.716 and 10.715 (Kneeland,Messer,Batson,Kernan,Oskay,Evanovsky,LL) ...LKV (15.17),Oslo, issues a fine QSL card with a picture of the station on one side and a picture of Ulvik Hardanger on the other (\*Messer)

POLAND SP25's QSL card is orange & white with 3 semi-circles with black call letters.Address is Polskie Radio,Warsaw,5 Mazowiecka St (Varga)

PORTUGAL An unidentified station believed to be a new freq. for CSW,"Radio Nacional",Lisbon,"is being heard mornings 7-9am on 15.12mc. The announcer is a lady; clock chimes the hour (\*\*Messer,Oskay,Graham,CAM)

SPAIN EAQ (9.855),Madrid,has not been heard since March 6,according to reports?...EAR,heard on 7mc,9-10:15pm irreg. (Evanovsky,Campbell);Heard on 9.493,March 12,10-11:15pm (\*Larsen)...."Radio Malaga",Malaga, operates on 7.22,daily 10-11am and 3:30-5:40pm and on 14.44,5:45-7:30pm (\*Tuffs)

SWEDEN SBP (11.705),now broadcasts from 3am to 4:15pm on Sundays.

U.S.S.R. A NEW Soviet Moscow-Komitern xmtr. on 15.39, is testing with music and voice daily 3:30-7am (\*\*Guilbert,Ninck,Louis)

AFRICAN CITY HVJ now on 9.66mc, Sundays 5-5:30am (Louis, Guilbert)

YUGOSLAVIA The new 10kW S.W. xmtr. at Zenum, near Belgrade, will soon be testing on the 19, 25, 31 and 40-meter bands. The old 2kW xmtr. YUA, will be retained and directional antennas will be installed for each (\*\*R.P.S.)

=== AFRICA ===

ANGOLA CR6RC (11.74), Luanda, operated by the Radio Club of Angola, heard signing-off at 3:30pm with the Portuguese National Anthem,apparently broadcasts Tues,Thurs/Sat 2-3:30pm (\*\*QRC via NNRC)

BECHUANALAND ZNB (5.9),Mafeking,is a very friendly station. Chips Brittz & Wally Combs,return IRC coupons and answer every letter personally (Clein)

MADAGASCAR "Radio Tananarive" (9.69),Tananarive, is now being heard each morning from 10 to 11am on the Pacific Coast (\*\*Guthrie,Walcott)

NIGERIA Amateur ZD2H (14.3) heard Q4/R5 at 12 midnight (\*\*Hetzl-Wis)

SOUTH AFRICA New S.W. xmtrs. are being installed at Capetown & Bloemfontein  
UGANDA The following amateur stations are now active in Uganda:  
VQ5EJT (14.046 and 14.14) on cw and fone, and VQ5ELD. These two amateurs  
share crystals. EJT is J. Thompson, Entebbe Post Office, Uganda (NNRC)

### ASIA AND OCEANIA

AUSTRALIA 9MI aboard the S.S. Kanimbla, is heard irreg. 6:30-7:30am. Send reports to McIlwraith-McEacharn Ltd., Box 255-c, Melbourne C-1 (Campbell, L.L.) ...VK2MA (42.86), is now relaying VK2ME, Sun. 1-3 and 5-11am (ILA)

BURMA XYZ (6.007), and XZZ (3.488), is now broadcasting with a new 10 kW xmtr. Send reports to Post/Telegraphs, Wireless Branch, Rangoon (Moore)

CHINA XGAP (9.56), Peking, heard at 8:30am but badly QRM'ed by WLXK (Eders-Minn)...XGOX (15.185), broadcasts nightly 9-11pm...XGOY (9.5), "Central Broadcasting Station", Chungking, broadcasts 6:15-8, and occasionally to as late as 11am. Heard best after VK3ME signs-off at 7am until XEWV comes on at 7:45am. Also broadcast irreg. in afternoons. Frequent announcements in English (\*\*\*Jacquemard, Louis, Reichardt, Willis, Walcott, Reynolds, Christie, Tuffs, Lundberg, Olthoff, Oskay, Legge)...XMHA on 11.94mc, is operating 5-11am (\*\*Plotner, Hardeman)...Letter from Ministry of Communications, Chungking, verifies reception of XTU (12.07), XTS (11.38) and XTJ (11.691) (\*\*Legge)

DUTCH BORNEO YCP verified promptly with a letter almost all in Dutch. Operator states he also runs amateur station PK5KF (Hetzl-Wis)

DUTCH NEW GUINEA Amateur PK6XX (14.007), is again being heard in early mornings near 7am. Has anyone received a QSL card from him (\*Meyers, Messer)

FRENCH INDIA FNLC (14.04), D. Paterson, Gondalpur, Chandernagore, French Bengal, heard at 1:30am (Hetzl); works AC4YN daily at 9:30am (NNRC)

F. INDO-CHINA New xmtr. for "Radio Saigon" (6.116), P.O. Box 238, Saigon, first heard March 14, broadcasts daily 6:30-7am and 11-11:30pm (\*\*Plotner)... "Boy Landry" (12-9.8-6.21), 17 Place A. Foray, Saigon, broadcasts 7:30-9:15am and 11:45pm-1am according to its veri' (Gardner) ers)

HONG KONG ZBW3 (9.525) heard with news in English at 8am (Reynolds, Ed-  
INDIA Station on 15.29 is VUD3, not VUD4. News given in English over this station at 10:20pm (AIR, Eders)...All-India stations are now issuing

QSL cards which are 6½ x 5½" in size, white, with a large map of India in blue in the background and the letters A I R across the map in aluminum color (\*\*Lundberg)...See list for revisions in schedules- Ed.

JAPAN NEW: JLK (6.19), Tokyo, operates daily 8-9:30am (\*\*Guthrie, Balbi, Olthoff)...JVH (14.6) heard relaying JOAK frequently 10 to 10:30pm in Japanese (Eders)...JVT (6.75) refused to verify report on relay of JOAK (Plotner)...JYS (9.85), is testing frequently 10:30am-2pm (Guilbert, Louis)

JARVIS ISL. Amateur KG6NVJ (28.39), 50w, with U.S. Dept. of Interior Exped., worked on 8:12pm, by W6ITH; will return home in April.

JAVA NEW: YDD (6.06), Bandoeng, relays the native, and occasionally the Western NIROM network (\*\*Hardeman) -am (Amers)

MACAO According to veri, CRY9 (6.08), broadcasts Mondays only 8:30-10

NEW CALEDONIA EK8AA (6.122), verified in 4½ months by return mail (Hetzl)\*\*

NEW ZEALAND ZL1ZA, 20w portable xmtr., relays LZB irreg. on 8.82 and 7.14mc (Forrest)...4ZB (4.3), is in operation daily from 7am to 1pm (ILA)

PHILIPPINES KZIB is now on 9.497; verified through the New York offices of I. Beck Inc (Gozen, Oskay)...Amateur KALPI (14.14), P.O. Box 849, Manila, is putting loud signals into the U.S. near 7am (Hetzl, Meyers)...The Philippines now has its own postage stamps. U.S. stamps will not do (Messer)

SUMATRA YDX (8.09), Medan, is being heard irreg. as late as 9am; YDX (5.175), operates until noon on Sundays (Breen-N.Z.)

S.S. ZHP (9.69), Singapore, is heard best near 7am (Reynolds-N.Y.)

TAIWAN JIA (15.74) heard phoning at 6:30am (Gozen)...JIB (10.535), is now on daily from 7:30 to 10am (Reynolds-NY)...JFO (9.636), Taihoku, heard at 8:07am with Japanese program Q4/R7 (Eders)

TURKEY "Radio Ankara", operates as follows: over TAQ (15.195), 5:30-7 am and over TAP (9.465), 11:30am-5pm. Opening announcement "This is Ankara calling; transmitting the Turkish National Program"; closing, "Dear Friends and Listeners, we are now closing down", followed by Turkish National Anthem...Male and female announcers announce in Turkish, French, German & English. Post Bag on Sat. at 3:20pm. Reports are welcome and should be sent to "Correspondence Dept., Radio Ankara, Ankara (Miller, Eders, Lundberg, Balbi)

U.S.S.R. NEW: Irkutsk (6.65), heard testing 9-10:40am (\*\*Yoshimura)

# —SHORT-WAVE BROADCASTING STATIONS—

SYMBOLS: N- NEW stations; F- Frequency change; S- Change in sked; B- Frequency calibrations according to Oxrieder-IDA Frequency Bureau; J- Stations persisting in hopping about; V- Varying in frequency; Y- Does not verify; X- Does not verify direct; U- Frequency in doubt; \* See short-wave notes.

DIAL METERS	MEGS.	CALL	STATION	TIME-----EASTERN STANDARD
11.30S	26.55	W2XQ0	New York City, N.Y.	Noon-9pm.
11.32	26.50	W9XTA	Harrisburg, Illinois	2-4pm.
11.34	26.45	W9XA	Kansas City, Mo.	10am-1, 3-7pm.
11.36	26.40	W9XAZ	Milwaukee, Wis.	1pm-midnight.
11.41	26.30	W2XJI	New York City, N.Y.	Noon-6pm.
11.47	26.15	W9XUP	St. Paul, Minnesota	8am-1am.
11.47	26.15	W4XA	Nashville, Tenn.	
11.50	26.10	W9XJL	Superior, Wisconsin	10am-8pm.
11.52	26.05	W9XTC	Minneapolis, Minn.	9am-9pm.
11.52N	26.05	W9XH	Southbend, Indiana	Relays WSBT daily
11.56	25.95	W8XNU	Cincinnati, Ohio	7am-1am.
11.56	25.95	W6XKG	Los Angeles, Calif.	24 hours daily (8am-11:30am
13.91	21.57	W2XE	New York City, N.Y.	7:30am-10am; Sat 8am-noon; Sun.-
13.93	21.54	W8XK	Pittsburgh, Pa.	6:45-9am.
13.93YS	21.53	GSJ	Daventry, England	5:45-8:50, 9-10:30am.
13.94	21.52	W3XAU	Philadelphia, Pa.	1-2:30pm.
13.96S	21.50	W2XAD	Schenectady, N.Y.	8-11am
13.97Y	21.47	GSH	Daventry, England	5:45-8:50, 9am-noon to Africa.
13.98	21.46	WLXAL	Boston, Mass.	Tues/Thurs/Sat. 11am-noon.
13.99	21.45	DJS	Zeesen, Germany	12:05-7:50am to Asia.
15.77	19.02	HSGPJ	Bangkok, Siam	Mondays 8-10am.
16.81	17.85	TPB3	Paris, France	9:30-11am.
16.82	17.845	DJH	Zeesen, Germany	12:05-7:50, 8-9, 9:15-11am.
16.82N	17.84		ATHLONE, IRELAND	8:30-10am; 12:30-4:30pm irreg. *
16.84S	17.82	2RO8	Rome, Italy	4:30-8:45am.
16.85YS	17.81	GSV	Daventry, England	5:45-8:45am to Far East.
16.85	17.80	OIH	Lahti, Finland	4-9am.
16.86YS	17.79	GSG	Daventry, England	5:45-8:50, 9am-noon, 12:25-4pm.
16.87	17.78	W3XL	New York City, N.Y.	9am-4pm to Europe, 4-11pm to SA.
16.88	17.77	PHI2	Huizen, Holland	Sun 6:25-9:45am, Mon/Thurs 7:40-9am, Tu/Wd/Fr/Sat 7:40-9:10am.
16.89	17.76	DJE	Zeesen, Germany	12:05-11am, 4:50-9pm, Sun 11:10am
19.52	15.37	HAS3	Budapest, Hungary	Sundays 9-10am. (-12:25pm
19.56	15.34	DJR	Zeesen, Germany	4:50-10:50pm to C.A.
19.57S	15.33	W2XAD	Schenectady, N.Y.	11:15am-6pm. (SA.
19.57S	15.33	W6XBE	San Francisco, Calif.	7-10am to Asia, 6:30-10pm to-
19.58	15.32	OZH	Skamlebak, Denmark	Sundays 8am-1:30pm.
19.60YS	15.31	GSP	Daventry, England	4:20-6pm to No. America.
19.61S	15.30	2RO6	Rome, Italy	10am-12:04, 3-5:30, 6-9pm.
19.62	15.29	LRU	Buenos Aires, Argentina	7-9am. (11:30p
19.62C	15.29	VUD3	Delhi, India	1:30-3:30, 7:30am-12:30, 9:30-
19.63S	15.28	DJQ	Zeesen, Germany	12:05-11am, 4:50-10:50pm. (10:10p
19.64S	15.27	HI3X	Trujillo City, D.R.	Sun 7:40-9:40am; Tu/Fri 8:10-
19.64	15.27	W2XE	New York City, N.Y.	1-3pm, Sat 12:30-2:30pm, Sunday-
19.64	15.27	W3XAU	Philadelphia, Pa.	3-7pm. (noon-2:30pm.
19.66YS	15.26	GSJ	Daventry, England	1:30-3:45am to Oceania.
19.67	15.25	WLXAL	Boston, Mass.	Irreg. at present.
19.68	15.243	TPA2	Pontoise, France	6-11am to Asia.
19.70S	15.23	OLR5A	Prague, Bohemia	4:55-8:15am. *
19.71	15.22	PCJ2	Huizen, Holland	Tues. 3-4:30am, Wed. 9:30-11:30am
19.72	15.21	W8XK	Pittsburgh, Pa.	9am-2pm. (& irreg. in AM.
19.74	15.20	DJB	Zeesen, Germany	12:05-11am, 4:50-10:50pm; Sun-
19.74	15.195	TAQ	Ankara, Turkey	5:30-7am. (11:10am-12:25pm.
19.75	15.19	OIE	Lahti, Finland	1:05-4, 9am-5pm.
19.76S	15.185	XGOX	Chungking, China	9-11pm & irreg.
19.76	15.18	RV96	Moscow, U.S.S.R.	3-4am, 7-9:15pm & irreg.
19.76YS	15.18	GSO	Daventry, England	1:30-3:45, 9-11am, 4:20-6pm.
19.78	15.17	TGWA	Guatemala, Guatemala	12:45-1:45pm; Sun 12:45-5:15pm.

11M

13M

16M

19M

19.78	15.17	LKV	Oslo, Norway	6:40-10am.
19.79	15.16	JZK	Tokio, Japan	8-8:30pm to Eastern N.A.
19.80	15.165	SM5SX	Stockholm, Sweden	11am-5pm; Sundays 9am-5pm.
19.80	15.15	YDC	Bandoeng, Java	4:30-10:30am; 6-7:30pm ex.Sat; 10:30pm-2am; Sat.7:30pm-2am.
19.82YS	15.14	GSF	Daventry, England	1:30-3:45, 5:45-8:50, 9am-noon, -
19.83	15.13	TPB6	Essarts, France	2-5am, 7-9:15pm. (4:20-6pm.
19.83CS	15.13	WLXAR	Boston, Mass.	Sun 11am-12:30pm & irreg. *
19.84	15.12	SP19	Warsaw, Poland	6-9pm. (Wed.2:30-3pm.
19.84	15.12	HVJ	Vatican City, Italy	Sun.1-1:30pm, Tu 10:30-10:45am,
19.84N	15.12	CSW4	LISBON, PORTUGAL	7-9am irreg. *
19.84	15.12		ATHLONE, IRELAND	May test here soon.
19.85	15.11	DJL	Zeesen, Germany	12:05-2, 8-9, 10:40am-4:25pm.
19.87	15.10	CB1510	Valparaiso, Chile	Heard testing at 7:30am. *
19.87	15.10	2R012	Rome, Italy	Testing irreg.
19.89	15.083	RKI	Moscow, U.S.S.R.	7-9pm in English.
20.09	14.93	PSE	Rio de Janeiro, Brazil	6-7pm with PSB *
20.11	14.92	KQH	Kahuku, Hawaii	Fri 9-10pm, Sat.1-1:30am, 9:30-
20.28	14.795	IQA	Rome, Italy	4:30-5am.
20.55	14.60	JVH	Nazaki, Japan	Relays JOAK 10-10:30pm. *(10pm
20.64	14.535	HBJ	Geneva, Switzerland	Sun.10:45-11:30am, Mon.4-4:15am
20.78S	14.44		Malaga, Spain	5:45-7:30pm. (pm ex.Mon
20.80S	14.42	HC1JB	Quito, Ecuador	7-8:15, 11:30am-2:30, 4:45-10:15
21.43	13.997	EA9AH	Tetuan, Span.Morocco	5:15-6:15, 6:30-7:30, 9-10pm.
22.00	13.635	SPW	Warsaw, Poland	6-9pm.
24.03CS	12.486	HILN	Trujillo City, D.R.	6:40-10:40am, 5:10-10:10pm. *
24.08	12.46	HC2JB	Quito, Ecuador	7-8:15, 11:30am-2:30, 4:45-10:15
24.53	12.235	TFJ	Reykjavik, Iceland	Sundays 1:30-2:30pm. (pm ex.Mon
24.53	12.23	COCE	Havana, Cuba	8am-midnight; Sun.noon-mid.
25.00S	12.00	RNE	Moscow, U.S.S.R.	6-6:30, 10-10:30am, 1-1:30, 3-530
25.06	11.97	CB1180	Santiago, Chile	8:30-10pm; Sun 6-10am, 1-6, 9-10p
25.06S	11.97	HI2X	Trujillo City, D.R.	7-11pm.
25.13S	11.94	TI2XD	San Jose, C.R.	Tues/Fri 8; 10-10:10pm; Sun 7:40
25.13FS	11.94	XMHA	Shanghai, China	7:30am-noon, 4-10pm. (-9:40am
25.19	11.91		Hanoi, F.Indo-China	5-11am. *
25.19S	11.91	CD1190	Valdivia, Chile	8:45-4:15, 7-9:30am.
25.21	11.90	XEWI	Mexico City, D.F.	10am-1pm, 3-6, 7-10pm.
25.21	11.90	2R013	Rome, Italy	7:30pm-mid; Sun 12:30-2pm.
25.23	11.885	TPA3	Pontoise, France	Testing irreg. *
25.25	11.88	VLR3	Melbourne, Australia	2-5, 11:15am-6pm.
25.27	11.87	W8XK	Pittsburgh, Pa.	3:30-pm-3am.
25.27S	11.87	VUM2	Madras, India	2-11pm.
25.30YS	11.86	GSE	Daventry, England	Mon/Wed/Fri 3:30-4am.
25.32	11.85	CB1185	Santiago, Chile	5:45-8:50, 9am-noon, 12:25-3, 620
25.34S	11.84	OLR4A	Prague, Bohemia	Sat.6-11pm & irreg. (-8:30p
25.36	11.83	W2XE	New York City, N.Y.	12:45-6:30, 7:55-11:20pm; Sun.-
25.37	11.826	XEBR	Hermosillo, Mexico	(8:25-10:05a
25.40S	11.81	2R04	Rome, Italy	3:30-10pm; Sat/Sun 3-6, 6:30-11p
25.42	11.801	DJZ	Vienna, Germany	9-11am, 8-10:30pm or later.
25.42V	11.80	COGF	Matanzas, Cuba	4:30-8:45, 10am-2:30, 6-9pm.
25.42	11.80	JZJ	Tokio, Japan	4:50-10:50pm to N.A.
25.45S	11.79	WLXAL	Boston, Mass.	6pm-midnight.
25.47	11.78	HP5G	Panama City, Panama	12:30-1:30, 8-9:30am, 2:30-4pm.
25.47	11.78	OFE	Lahti, Finland	3:30-6:30pm; Sat 2-6:30pm, Sun 1
25.49	11.77	DJD	Zeesen, Germany	6-10pm. (-6pm.
25.50	11.76	XETA	Monterrey, Mexico	1:05-12:05pm.
25.50S	11.76	OLR4B	Prague, Bohemia	11:30am-4:25, 4:50-10:50pm.
25.53Y	11.75	GSD	Daventry, England	Noon-3:30pm.
25.55	11.74	SP25	Warsaw, Poland	Weekdays 8:25-10:05am. *
25.55	11.74	HVJ	Vatican City, Italy	1:30-3:45, 9am-noon, 12:25-4,
25.55N	11.74	CR6RC	Loanda, Angola	6-9pm. (6:20-8:30, 9:20-11:20pm
25.57V	11.735	COCX	Havana, Cuba	Tuesdays 8:30-9am.
25.57	11.735	LKV	Oslo, Norway	Tues/Thurs/Sat 2-3:30pm.
				8am-1am.
				2-6:40, 10am-3pm.

25.58CS	11.73	WLXAR	Boston,Mass.	9:15-11pm ex.Sat/Sun.
25.60	11.72	CJRX	Winnipeg,Canada	Sat. 6pm-Sun. 4am.
25.60	11.72	ZPL4	Villa Rica,Paraguay	5:30-7:55pm irreg.
25.60	11.718	CR7BH	Laurenco,Mozambique	12-1,4:30-6:30,9-11am,noon-4pm -Sun.4-7, 10am-2pm.
25.61	11.713	TPA4	Pontoise,France	7-9:15, 9:30pm-mid. to N.A.
25.62	11.71	YSM	San Salvador,El Salvador	1-2:30pm.
25.62	11.71		Saigon,F.Indo-China	7:30-9:15am. (Sat 8-9pm.
25.63S	11.705	SBP	Motala,Sweden	1-4:15pm;Sun 3am-4:15pm;Wed &-
25.64	11.70	HP5A	Panama City,Panama	7-8:30am,10am-1,5-10pm;Su 6-10
25.64	11.70	CB1170	Santiago,Chile	10am-2, 3:30-11pm. (6-pm
25.74	11.67	IQY	Rome, Italy	5-5:15am, 3-3:35pm.
26.01	11.535	SPD	Warsaw, Poland	6-9pm.
26.32	11.402	HBO	Geneva,Switzerland	Sun.1:45-2:30pm;Mon 3:30-3:45a
26.36C	11.38	XTS	Chungking,China	1-1:30am8-8:35am;6:45-7:30pm.
27.17	11.04	CSW5	Lisbon,Portugal	Noon-5:30pm; Sun.11am-5:30pm.
27.27	11.00	PLP	Bandoeng,Java	4:30-10:30am,6-7:30,10:30pm-2a
27.40	10.95		Tananarive,Madagascar	12:30-12:45,10-11am,2:30-4am
28.14	10.66	JVN	Tokio, Japan	1:50-7:40am;irreg. to 8:30am.
28.30	10.60	ZIK2	Belize,Br.Honduras	Tu/Th/Sat 1:30-2,8:30-9pm.
28.48	10.535	JIB	Taihoku, Taiwan	Relays JFAK 9-9:55am.
28.55V	10.40	YSP	San Salvador,El Salvador	1-3, 6:30-11pm.
28.96	10.36	EAJ43	Tenerife,Canarias	3-4:30,5-7,7:45-8:45,9-10pm.
29.04	10.33	ORK	Ruyssedele,Belgium	1:30-3pm to Belgian Congo(ex S
29.24	10.26	PMN	Bandoeng,Java	4:30-10:30am-6-7,10:30pm-2am-
29.35	10.22	PSH	Rio de Janeiro,Brazil	6-7pm; Mondays 8-8:30pm. *
29.85	10.05	TIEM	San Jose, C.R.	4:30-8pm.
30.05V	9.985	COBC	Havana,Cuba	6:55am-1am.
30.23	9.925	JDY	Darien,Manchoukou	7-8am, or later. (8:30-9p
30.45	9.855	EAQ	Madrid, Spain	3:45-4:05am,4:45-5:05,7:30-8,-
30.52S	9.83	IRF	Rome, Italy	12:05-12:25,12:40-1,1:37-3:35,
30.61J	9.80	COCM	Havana, Cuba	8am-12:30am;irreg.to 2am.(6-9pm
30.71S	9.77	HH3W	Port-au-Prince,Haiti	1-2, 7-9:15pm. *
30.82	9.735	CSW7	Lisbon. Portugal	5:45-9pm to N.A.
30.83	9.73	CB970	Valparaiso,Chile	6:30-11:30pm, or midnight.
30.86	9.72	ZRD	Durban,So.Africa	11:45pm-12:45am,3:30-7:30,9- 11:45am;Sun 5:30-7,9-11:30am.
30.92	9.705		Fort-de-France,Martinique	6-8:10, or 9:30pm.
30.95	9.692	TI4NRH	Heredia,Costa Rica	Tu/Th/Sat 9-10pm;Sun. 7-8am.
30.96	9.69		Tananarive,Madagascar	Heard 10-11am on W.Coast *
30.96	9.69	ZHP	Singapore,S.S.	4:40-9:40am;Wed/Sat 12:40-1:40 am;Sun 5:40-9:40am.(Sa/Su 7-9p
30.96	9.69	LRA1	Buenos Aires,Argen.	Mon to Th.6-9pm; Fri 4-9pm;
30.98	9.685	TGWA	Guatemala,Guatemala	10-11:30pm ex.Sun;Sun 7-10:45p
31.01	9.675	DJX	Vienna, Germany	10:40am-4:25pm to Africa.
31.02	9.67	W3XAL	New York City,N.Y.	5pm - 1am.
31.03S	9.667	LR09	Rome, Italy	12:40-1,1:37-5:30pm.
31.06S	9.66	LRX	Buenos Aires,Argen.	6-6:45am, 9:15am-10pm. *
31.06F	9.66	HVJ	Vatican City,Italy	Sundays 5-5:30am.
31.09	9.65	CS2WA	Lisbon,Portugal	Tues/Thurs/Sat 4-7pm.
31.09	9.65	W2XE	New York City,N.Y.	10:30-11:30pm ex.Sat/Sun.
31.09	9.65	IABA	Addis Abeba,I.E.A.	3:55,4:05,4:15-4:45,11am-noon, 1-3pm;Sun. 3:30-3:55am.
31.12	9.64	CXA8	Colonia, Uruguay	5am-10:45pm,or 11pm;Sat.to lam
31.12	9.64	ZP8	Asuncion,Paraguay	6:30-8pm (Does anyone hear?)
31.13	9.636	JFO	Taihoku,Taiwan	4-10:30am.
31.15S	9.63	2R03	Rome, Italy	1-2:55, 5:30-9pm.
31.19	9.62	CXA6	Montevideo,Uruguay	Relays CX6 nightly to 9pm.
31.20S	9.618	HJLABP	Cartagena,Colombia	Weekdays 9am-1:30pm,7-10:15pm.
31.22	9.61	ZRK	Klipheuvcl,S.Africa	11:45pm-12:45am ex.Sa;3:20-720
31.22	9.61	LLG	Oslo, Norway	3-6,8-9,11pm-mid (9-11:45am.
31.24	9.604	KEYU	Mexico City,D.F.	9-11pm irreg. *
31.25	9.60	RAN	Moscow, U.S.S.R.	6-7, 7-9, 9-10pm.
31.25	9.60	CB960	Santiago, Chile	8-11:30pm.
31.27N	9.595		ATHLONE,IRELAND	12:30-4:30 p.m. irreg. *

31M

10	31.28J	9.59	HP5J	Panama City, Panama	Noon-1:30, 6:30-10:30pm.
	31.28	9.59	PCJ	Huizen, Holland	Sun 2-3, 7:15-9:25pm; Tu 1:45-3:30, 7:15-10:30pm; Wed 7:15-8:40
	31.28	9.59	VK6ME	Perth, W. Australia	Weekdays 6-8am. (-pm, Fri 8-9pm
	31.28	9.59	VK2ME	Sydney, Australia	Sundays 1-3, 5-9, 9:30-11:30am.
	31.28	9.59	W3XAU	Philadelphia, Pa.	M/Th 7:30-11:30pm, Sa 7:30-10:45
	31.28S	9.59	VUD2	Delhi, India	1:30-3:30am, 9:30-11:30pm (-pm
	31.32YS	9.58	GSC	Daventry, England	12:17-1:15, 1:30-6, 9:20-11:30pm
	31.32	9.58	VLR	Melbourne, Australia	Weekdays 3:15-8:30am, Sun 3:15-
	31.35	9.57	WLXK	Springfield, Mass	6am-1am. (7:30am
	31.35	9.57	KZRM	Manila, Philippines	Weekdays 4:30-6pm; Mon. to Fri. 5-9am; Sat 5-10am; Sun 4-10am. 7-8, 11:30am-1:30, 4-6:15pm. 4-9am.
	31.38	9.566	OAX4T	Lima, Peru	
	31.38	9.56	XGAP	Peking, China	
	31.38	9.56	DJA	Zeesen, Germany	6:30-10:50pm to C.A.
	31.40	9.55	YDB	Soerabaja, Java	4:30-10:30am; 6-7:30, 10:30pm-2am ex. Sat; Sat 7:30pm-2am. 1:30-3:30, 5-6am, 9:30-10:30pm. 11:15am-7pm; 9:30pm-mid. irreg. 6:15-9:15pm. *
	31.40S	9.55	VUB2	Bombay, India	
	31.41	9.55	TPB11	Essarts, France	
	31.41S	9.55	W2XAD	Schenectady, N.Y.	
	31.41X	9.55	XEFT	Veracruz, Mexico	7:30pm-midnight.
	31.45	9.54	DJN	Zeesen, Germany	12:05-11am, 4:50-10:50pm.
	31.46	9.538	VPD2	Suva, Fiji's	5:30-7am ex. Sundays.
	31.47	9.535	JZI	Tokio, Japan	7-7:30am, 4:30-5:30pm.
	31.47	9.535		Schwarzenburg, Switzerland	1-2, 6:45-7:45, 8-9pm.
	31.48	9.53	W2XAF	Schenectady, N.Y.	4pm-midnight.
	31.48S	9.528	VUC2	Calcutta, India	2-4am, 10pm-2am.
	31.50	9.526	XEDQ	Guadalajara, Mexico	Noon-4:30, 8-11:30pm. (am
	31.50	9.525	ZBW3	Hong Kong, Hong Kong	5-10am, 11:30pm-1:15am, Su 5-9:30
	31.50	9.525	ZRH	Pretoria, So. Africa	5-7:30am.
	31.50	9.525	SP31	Warsaw, Poland	3-5:30pm.
	31.51	9.52	OZF	Skamlebak, Denmark	8-9:30, 9:30-11pm.
	31.51	9.52	RV96	Moscow, U.S.S.R.	1-3, 4-7pm & irreg.
	31.55YS	9.51	GSB	Daventry, England	1:30-3:45am, 3-4, 4:20-6, 6:20-
	31.55	9.51	HS8PJ	Bangkok, Siam	Thurs. 8-10am (8:30, 9:20-11:20pm
	31.55	9.51		Tananarive, Madagascar	12:30-12:45, 10-11am, 2:30-4am
	31.57S	9.503	XEWW	Mexico City, D.F.	7:45am-12:30am. (ex. Sun,
	31.58	9.501	PRF5	Rio de Janeiro, Brazil	4:45-5:55pm ex. Sundays.
	31.58	9.50	OFD	Lahti, Finland	12:15-5pm.
	31.58	9.50	VK3ME	Melbourne, Australia	4-7am except Sundays.
	31.58S	9.50	XGOY	Chungking, China	6:15-8am & irreg. *
	31.61V	9.49	KZIB	Manila, P.I.	6-9:05am & irreg.
	31.62V	9.488	EAR	Madrid, Spain	3:40-4, 7:30-8, 8:40-9pm.
	31.70S	9.465	TAP	Ankara, Turkey	11:30am-5pm. *
	31.77	9.445	HCODA	Guayaquil, Ecuador	8:15-10:15pm ex. Sundays.
	31.79	9.436	COCH	Havana, Cuba	8am-11pm; Sun. 8am-10pm.
	31.95J	9.39	OAX5C	Ica, Peru	7-11:30pm.
	32.07V	9.354	HC1ETC	Quito, Ecuador	8-11pm Saturdays (8:15p
	32.11	9.345	HBL	Geneva, Switzerland	Sun. 7-7:45, 8-8:45pm; Mon 6:50-
	32.12	9.34	OAX4J	Lima, Peru	Noon-3, and 5pm-midnight.
	32.28X	9.295	HI2G	Trujillo City, D.R.	6:40-8:40, 11:40am-2:10, 3:40-11am-1:25pm & irreg. *(4:40pm
	32.33FS	9.28	LYR	Kaunas, Lithuania	8am-11:30pm.
	32.61V	9.20	COBX	Havana, Cuba	
	32.65N	9.188	HC2AB	in Ecuador	Nightly to 10pm. *
	32.72VS	9.17	HC1GQ	Quito, Ecuador	Mon/Wed/Sat 9-9:55pm.
	32.84J	9.135	HC2CW	Guayaquil, Ecuador	11am-1, 7-11pm.
	32.88	9.125	HAT4	Budapest, Hungary	7-8pm; Sat. 6-7pm.
	32.97V	9.10	COCA	Havana, Cuba	Noon-12:15am; till 3am irreg.
	33.00	9.091	PJCL	Curacao, D.W.I.	6:36-8:36pm; Su 10:36am-12:36pm
	33.23V	9.028	COBZ	Havana, Cuba	7:45am-1:15am.
	33.48	8.96	COKG	Santiago, Cuba	5-6, 9:30-10:30pm.
	33.98	8.83	COCQ	Havana, Cuba	6:55am-1am. (10pm
	34.54V	8.685	COJK	Camaguey, Cuba	11:30am-12:30pm, 3:30-6, 8-9, or
	34.67V	8.652	HJ4DAU	Medellin, Colombia	Weekdays 7-10pm.
	34.97	8.58	YNPR	Managua, Nicaragua	12:45-2:15, 6:45-10:15pm.

35.02	8.572		Bucharest, Roumania	8:15-10:30am, 4-7pm.	
37.08S	8.09	YDX	Medan, Sumatra	10:30pm-2am; irreg. to 9am.	*
37.39	8.025		Jeloy, Norway	8-9, 11pm-mid.	*
38.00	7.894	YSD	San Salvador, El Salvador	7-10:30pm.	
38.12	7.87	HCLR	Quito, Ecuador	8:30-11:30pm.	
38.20	7.854	HC2JSB	Guayaquil, Ecuador	11am-2, 4-11pm.	
38.22	7.85	ZAA	Tirana, Albania	6:30-7:30 A.M.	**
38.48	7.797	HBP	Geneva, Switzerland	Mondays 6:30-8:15pm.	
39.16	7.66		"Radio Nacional de Espana", 4-4:30, 9-10am, 1:30-4:30		
39.39U	7.614	CR6AA	Lobito, Angola	Wed/Sat 2:45-4:30pm (5:30-10pm)	
39.89S	7.52	KKH	Kahuku, Hawaii	Fri. 9-10pm, Sat 1-1:30am, 9:30-	
39.95	7.51	JVP	Tokio, Japan	8-9:30am. (10pm)	
40.05S	7.49	EAJ43	Tenerife, Canarias	8-9:30pm & irreg.	
40.27-	7.45	TI2RS	San Jose, Costa Rica	7-11pm.	
40.32	7.44	FG8AH	Pointe-a-Pitre, Guadeloupe,	6-7:10pm.	
40.65S	7.38	XECR	Mexico City, D.F.	Sundays 6-7pm.	
40.79	7.353	FET5	Burgos, Spain	5:45-7:15 or 7:30pm.	
41.01S	7.31	VIG	Port Moresby Papua	Apr. 15/29/May 13, 3-5am.	
41.18	7.285	JLG	Tokio, Japan	2:30-4pm to Europe.	
41.27	7.27		Essarts, France	9:30-midnight irreg.	*
41.67	7.20	YI1G	Baghdad, Iraq	8:30am-4pm.	
41.80	7.177	CR6AA	Lobito, Angola	Wed/Sat 2:45-4:30pm.	
42.09	7.128	YN3DG	Leon, Nicaragua	2-2:30, 8:30-9:30pm ex. Sundays	
42.25	7.10	FOSAA	Papeete, Tahiti	Tues/Fri 11pm-12:30am.	
42.80	7.01	XGSA	Kweiyang, China	5:30, or 6-11am, 6:30-7:30pm.	
43.10	6.96	Z2B	Wellington, N.Z.	Mid.-7am.	
43.60S	6.88	XOJD	Hankow, China	6-8:30am.	
44.12	6.80	PZH	Paramaribo, D. Guiana	Mon/Wed/Fri 5:41-8:41pm.	
44.25	6.78	HIH	San Pedro, D.R.	7:40-8:40pm; Sun 5:20-6:40pm.	
44.38	6.76	HI7P	Trujillo City, D.R.	7:10-8:40pm; Sun 9:40-10:40pm.	
44.38	6.76	YNRF	Managua, Nicaragua	6:45-10:15pm, or 11pm.	
44.51	6.74	HCLTQ	Quito, Ecuador	Sundays 5-7pm.	
44.58	6.73	HI3C	La Romana, D.R.	To 8:20pm.	
44.60	6.727	PMH	Bandoeng, Java	4:30-11am; Sun 8:30pm-1:30am.	
44.81	6.695	TIEP	San Jose, C.R.	7pm-midnight.	
44.95	6.676	HBQ	Geneva, Switzerland	Sun. 1:45-2:30, 2:30-2:45pm.	
45.05	6.66	HI5G	Trujillo City, D.R.	To 8:40pm.	
45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun. 5:45-7:45 & Tues. 9:15-11:15	
45.25	6.63	HIT	Trujillo City, D.R.	12:10-1:40, 4:40-8:40pm. (pm)	
45.29	6.625	PRADO	Riobamba, Ecuador	Thursdays 9-11pm.	
45.39U	6.61	YNLG	Managua, Nicaragua	1:30-2:30, 6-10:15pm.	
45.45	6.60	HIGH	Trujillo City, D.R.	7:40-8:40pm.	
45.70	6.565	HI5P	Puerto Plata, D.R.	5:40-7:40, 9:40-11:40pm.	
45.80	6.55	TIRCC	San Jose, C.R.	Tu/Th/Sa 6-7pm; Sun 8-10pm.	
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, 6-8, or 9pm ex. Sun.	
46.19	6.495	TGWB	Guatemala, Guatemala	7:45-9am, 12:45-3:45, 7:30pm-12:45am; Sun 10:30am-mid.	
46.26	6.485	HILL	Santiago, d.l.c., DR.	Weekdays 5:30-9:30pm.	
46.44	6.455	HI4V	S.F. de Macoris, D.R.	5:10-7:40pm; to 10pm irreg.	
46.73Y	6.42	HILS	Santiago, D.R.	5:40-7:35pm ex. Sundays.	
46.80	6.41	TIPG	San Jose, C.R.	7-9:30am, 12-2, 4-11:30pm. (3pm)	
46.88S	6.40	TGQA	Quezaltenango, Guat.	8-11pm; Sat 8pm-1am, Sun 7:30am-	
46.97V	6.388	HI9B	Santiago, D.R.	Mon/Fri 8:10-8:40pm.	
46.99	6.384	ZIZ	Basseterre, St. Kitts	4-4:45pm; Wed. 7-7:30pm.	
47.06	6.375	TIWS	San Pedro Sula, Honduras	6-7:30am, 2-4pm; irreg. to 10	
47.20	6.375	HRPL	San Pedro Sula, Honduras	6-7:30am, 2-4pm; irreg. to 10	
47.32	6.34	HILX	Trujillo City, D.R.	8:10-10:10pm; Sun 7:40-9:40am.	
47.36	6.334	OAXLA	Chiclayo, Peru	8-11pm.	
47.39	6.33	COCW	Havana, Cuba	6:55am-1am; Sun. 9:55am-10pm.	
47.51	6.315	HICZ	Trujillo City, D.R.	11:40am-12:40pm, 5:10-7:40pm ex	
47.66	6.295	OAX4G	Lima, Peru	6 or 7pm to mid. (Sun)	
47.69V	6.29	HILG	Trujillo City, D.R.	6:40-8:40, 11:40am-2:10, 3:40-	
48.05	6.243	HIN	Trujillo City, D.R.	5:25-10:10pm, or later. (9:40p	
48.11	6.235	HRD	La Ceiba, Honduras	8-11pm; Sun 4-6pm.	

49M

48.31	6.21		Saigon, F. Indo-China	7:30-9:15am, 11:45pm-1am.
48.43VS	6.195	TG2	Guatemala, Guatemala	7:30-10am, 6-11:30pm, Sat 6pm-3am, Sun. 3-8pm. For IDA Sun 2a
48.43	6.195	HI2D	Trujillo City, D.R.	5:10-7:10pm.
48.47	6.19	or 6.03	HVJ, Vatican City	M/Wd/Th/Sa 2-3:30pm; Tu/F 2-3p
48.47N	6.19	JLK	TOKIO, JAPAN	8-9:30am.
48.47	6.19	H11A	Santiago, D.R.	10:40am-1:40, 6:40-9:40pm.
48.58	6.175	XEXA	Mexico City, D.F.	8:30-10:30am, 2:40-4:30, 7pm-12
48.66	6.165	TILS	San Jose, C.R.	Noon-2:30pm, 6-11pm.
48.78	6.15	HJ4DAE	Medellin, Colombia	9:30am-1pm, 5-11:30pm.
48.78	6.15	VPB	Colombo, Ceylon	7-11am, or later.
48.78V	6.147	CJRO	Winnipeg, Canada	Sat. 6pm-Sun. 4am.
48.86	6.14	W8XX	Pittsburgh, Pa.	11pm-1am.
48.86	6.14		Leopoldville, Belgian Congo	Sundays 5:35-7am.
48.86	6.14	SP48	Warsaw, Poland	3-5:30pm.
48.88	6.138	COCD	Havana, Cuba	10am-11pm; Sun. 10am-9pm.
48.88	6.137	CR7AA	Laurencio Marques, Moz.	12-1, 4:30-6:30, 9-11am, 12-4, Sun. 5-7am, 10am-2pm.
48.93	6.132	CHNX	Halifax, N.S., Canada	7am-11:15pm; Sat 8am-11:30pm; -
48.93	6.132	TGXL	Guatemala City, Guat.	10am-6, 8pm-1am. (12-11:15pm
48.94	6.13	VP3BG	Georgetown, B. Guiana	10:15-11:15am, 3:45-7:45pm ex. (Sun
48.94	6.13	LKJ	Jeloy, Norway	Noon-6pm.
49.00	6.122	FK8AA	Noumea, New Caledonia	Wed/Sat 2:30-3:30am.
49.00V	6.122	HP5H	Panama City, Panama	6-10:30pm; to mid. irreg.
49.02	6.12	W2XE	New York City, N.Y.	12-1am; Sat/Sun 11:30pm-1am.
49.04B	6.117	XEUZ	Mexico City, D.R.	9am-1, 7pm-2am.
49.05	6.116		Saigon, F. Indo-China	6:30-7am, 11-11:30pm.
49.14	6.105	HJ6ABB	Manizales, Colombia	5:30-10pm ex. Sun; Sat to 11pm
49.18V	6.10	YUA	Belgrade, Yugoslavia	12:43-3, 6:30-8:30am, 12-6:30pm
49.18	6.10	W9XF	Chicago, Illinois	4-6:50pm (Sat to 5:30); 1-2am.
49.20	6.097	ZRK	Klipheuvell, S. Africa	12-4pm; Sun 12-3:20pm.
49.20	6.097	ZRJ	Johannesburg, S. Afr.	11:45pm-11:30am inter. ex. Sat;
49.25N	6.090	ZNS	Nassau, Bahamas	Testing evenings
49.30FS	6.085	ZAA	Tirana, Albania	Noon-1 p.m.
49.32	6.083	VQ7LO	Nairobi, Kenya	5:30-6, 11:15am-2:15pm; Tues/Th
49.34S	6.080	CRY9	Macao, Macao	Mondays 8:30-10am (8:15-9:15am
49.34	6.080	HP5F	Colon, Panama	7-9pm.
49.37	6.077	OAX4Z	Lima, Peru	7am-1:30am ex. Sundays.
49.42	6.07	CFRX	Toronto, Canada	7:30am-mid; Sun 10am-11pm.
49.46	6.065	SBO	Motala, Sweden	4:15-5pm. (ex. Sun
49.48	6.063		Tananarive, Madagascar	12:30-12:45, 10-11am; 2:30-4a
49.50S	6.06	W3XAU	Philadelphia, Pa.	T/W/F/Su 7:30-11pm; Su/T/Th 12-1am; W/F/Sa 11:30pm-1am
49.50N	6.06	YDD	BANDOENG, JAVA	Relays NIROM network.
49.50	6.06	W8XAL	Cincinnati, Ohio	Sun 8am-11:30pm; M/Th/Sat 5:45 am-11:30pm; T/W/F 5:45a-7:30pm
49.53	6.057	ZHJ	Penang, S.F.	6:40-8:40am ex. Sundays.
49.56	6.054	HJ6ABA	Pereira, Colombia	9am-noon, 6:30-10pm.
49.63	6.045	XETW	Tampico, Mexico	7-11pm.
49.67S	6.04	WLXAL	Boston, Mass.	7-9pm ex. Sat/Sun
49.67	6.04	W4XB	Miami, Florida	1-3, 9pm-mid; Sun 4-6, 9pm-mid.
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	RV96	Moscow, U.S.S.R.	1-3, 4-7pm.
49.81	6.023	XEUW	Veracruz, Mexico	10pm-1am.
49.83	6.02	DJC	Zeesen, Germany	11:30am-4:25pm to Africa.
49.83X	6.02	HJ3CAX	Bogota, Colombia	5:30-11pm; Sun 6-11pm.
49.89F	6.013	COCO	Havana, Cuba	7:55am-midnight.
49.92	6.01	PRA8	Pernambuco, Brazil	4-9pm.
49.92	6.01	CJCX	Sydney, Nova Scotia	7am-1:30, 4-8:30pm.
49.92S	6.01	9MI	S.S. Kanimbla	6:30-7:30am, 2 or 3 times awk
49.94	6.007	XYZ	Rangoon, Burma	6:30-10am, 9-11pm, Sat 9:30-11p
49.94	6.007	ZRH	Pretoria, So. Africa	11:45pm-12:45am ex. Sat. 10am-3:30pm; Sun 9am-3:15pm.
49.94	6.007	ZRJ	Klipheuvell, So. Africa	3:30-4pm.

49.95V	6.005	CFCX	Montreal,Canada	7:45am-1am; Sun 9am-11:15pm.
49.95V	6.005	HP5K	Colon,Panama	7-9am, 12-1, 6-11pm.
49.99	6.002	CXA2	Montevideo,Uruguay	5:30-10:30pm.
50.00	6.00	XEBT	Mexico City,D.R.	10am-1:45am.
50.21	5.975	OAX4P	Huancayo,Peru	9-11pm. (mid
50.51	5.94	TG2X	Guatemala,Guatemala	Mon/Thurs 9-11:30pm;Sa 10pm-
50.51	5.94	OAX2A	Trujillo, Peru	Tues/Thurs/Sat/Sun 7-10pm.
50.85	5.90	ZNB	Mafeking,Bechuanaland	1-2:30pm; 6-7am ex.Sundays.
50.89JF	5.895	HH2S	Port-au-Prince,Haiti	6-10:15pm ex.Sundays.
50.96	5.885	HCK	Quito, Ecuador	Evenings irreg. *
50.99V	5.883	TIGPH2	San Jose,Costa Rica	Noon-2,7-11pm ex.Sundays.
51.07	5.875	HRN	Tegucigalpa,Honduras	6-11pm.
51.24	5.855	H11J	San Pedro,D.R.	11:40am-1:40pm,6:10-8:40pm.
51.46	5.83	TIGPH	San Jose,C.R.	7-10pm. *
51.46	5.83	TI1GP3	San Jose,C.R.	10-11pm. *
51.77	5.795	HRK	Tegucigalpa,Honduras	Nightly to 11pm.
52.40S	5.725	HC1PM	El Palomar,Ecuador	Sundays 9-11pm. *
54.95J	5.46	YNOP	Managua,Nicaragua	8:30-9:30pm; Sundays 2-3pm.
57.40	5.23	TIMC	San Jose,C.R.	5-6pm.
57.42	5.225	YVA	Caracas,Venezuela	Heard near 6:45pm. *
58.31	5.14	PMY	Bandoeng,Java	5:30am-noon. (9:30p
59.52F	5.04	YV5RN	Caracas,Venezuela	4-10pm;Sun 8:30-11:30am;3:30-
59.76N	5.02	YV4RQ	PUERTO CABELLO,VENEZ.	Nightly to 9:20pm. *
59.88F	5.01	YV5RM	Caracas,Venezuela	3:30-10pm; Sun 8am-10:30pm.
60.36F	4.99	YV3RX	Barquisimeto,Venez.	10am-11pm.
60.36F	4.97	YV1RJ	Coro,Venezuela	
60.48	4.96	VUD2	Delhi, India	7:30am-12:30pm.
60.48F	4.96	YV5RS	Caracas,Venezuela	4:30-9:30pm, or later.
60.61F	4.95	YV4RO	Valencia,Venezuela	Noon-1, 6-10pm.
60.73	4.94	YV5RO	Caracas,Venezuela	
60.85F	4.93	YV4RP	Valencia,Venezuela	5-9:30pm.
60.98F	4.92	YV5RU	Caracas,Venezuela	6:30-7:30,10:30am-1,3:30-10pm.
60.98	4.92	VUM2	Madras,India	6:30am-noon.
61.10F	4.91	YV1RY	Coro,Venezuela	6:30-9:30pm ex.Sundays.
61.16	4.905	HJ1ABG	Barranquilla,Colom.	11am-11pm; Sun.11am-8pm.
61.22	4.90	YV6RT	Bolivar,Venezuela	
61.22VF	4.90	HJ3CAH	Bogota,Colombia	11:30am-2, 6-11pm.
61.35F	4.89	YV1RX	Maracaibo,Venezuela	10:30am-1:30,4:30-10:30
61.42	4.885	HJ4DAP	Medellin, Colombia	8am-2, 6-11pm. pm.
61.48	4.88	VUB2	Bombay, India	7:30am-12:30pm.
61.48F	4.88	YV6RU	Bolivar,Venezuela	6:30-9:30pm ex.Sundays.
61.55	4.876	ZRD	Durban,So.Africa	12-3:45pm ex.Sat;Sun 12-3:20p
61.54	4.875	HJ6FAH	Armenia,Colombia	8-11am, 6-10pm.
61.60F	4.87	YV2RN	San Cristobal,Venez.	11:30am-12:30pm,6-9pm ex.Sun
61.67	4.865	HJ2BAJ	Santa Marta,Colombia	5:30-10:30pm.
61.73	4.86	YV1RL	Maracaibo,Venezuela	11am-1pm, 4:30-10:30pm.
61.80	4.855	HJ3CAF	Bogota,Colombia	7pm-mid. ex.Sundays.
61.88F	4.85	YV1RZ	Valera, Venezuela	11:30am-1, 5:45-8:45pm.
61.92	4.845	HJ3CAD	Bogota, Colombia	6-11:30pm.
61.98	4.84	VUC2	Calcutta, India	6:30am-noon.
61.98F	4.84	YV4RX	Maracay,Venezuela	6-11pm ex.Sundays.
62.05	4.835	HJ1ABE	Cartagena,Colombia	7am-6, 8-11pm.
62.11F	4.83	YV5RH	Caracas,Venezuela	5-9:30pm ex.Sundays.
62.17	4.825	HJ5EAD	Cali, Colombia	7-11pm ex.Sundays.
62.24F	4.82	YV3RN	Barquisimeto,Venez.	11:30am-1:30,5:30-9:30pm.
62.31	4.815	HJ2BAC	Cucuta,Colombia	
62.38F	4.81	YV1RU	Maracaibo,Venezuela	10:45-12:45,4:30-10:30pm.
62.50F	4.80	YV1RV	Maracaibo,Venezuela	10:45-12:45,4:30-10:30pm.
62.57	4.795	HJ6FAC	Pereira,Colombia	9am-noon,6:30-10:30pm ex.Sun.
62.63F	4.79	YV5RY	Caracas,Venezuela	5:30-8pm.
62.69	4.785	HJ1ABB	Baranquilla,Colom.	4:30-10:30pm ex.Sundays.
62.76	4.78	YV1RO	Trujillo,Venezuela	(Under construction)
62.87	4.772	HJ7GAB	Bucaramanga,Colombia	Nightly to 10:45 or 11pm.
62.89	4.77	YV1RT	Maracaibo,Venezuela	
65.79	4.56	HC2ET	Guayaquil,Ecuador	Wed/Sat 8-10pm.

62M

## VENEZUELAN BROADCASTING STATIONS

## BROADCAST BAND DX NOTES

YV5RQ	882 La Voz de Philco,	Caracas..YV5RS
YV5RA	960 Radio Caracas	Caracas..YV5RN
YV2RB	980 La Voz de Tachira,	San Cristobal..YV2RN
YV5RG	1010 Ondas Populares,	Caracas..YV5RH
YV5RZ	1050 Emisora Vargas, *La	Guayra
YV5RE	1110 La Voz de Venez.,	Caracas..YV5RO
YV1RF	1120 Ondas del Lago,	Maracaibo..YV1RX
YV1RE	1153 Radio Maracaibo,	Maracaibo..YV1RU
YV4RG	1153 La Voz de Aragua,	Maracay..YV4RX
YV5RL	1167	*Caracas
YV5RB	1200 Radio Venezuela,	Caracas..YV5RM
YV1RK	1250 Radio Popular,	Maracaibo..YV1RL
YV3RC	1270 La Voz de Lara,	Barquisimeto YV3RX
YV1RA	1300 Ecos del Zulia,	Maracaibo..YV1RV
YV5RR	1330 Estudios Universo,	Caracas..YV5RU
YV4RA	1350 La Voz de Carabobo,	Valencia YV4RO
YV5RI	1370 La Voz de Esfera,	Caracas..YV5RY
YV1RC	1400 La Voz de la Fe,	Maracaibo..YV1RT
YV4RE	1400 Radio Valencia,	Valencia YV4RP
YV6RA	1400 Radio Bolivar,	Cd.Bolivar..YV6RT
YV4RL	1430	*Maracay
YV4RI	1450	*Valencia
YV6RD	1450 Ecos del Orinoco,	Cd.Bolivar YV6RU
YV3RE	1475 Radio Barquis,	Barquisimeto..YV3RN

\*Not on air as yet-Courtesy W.Kammann (S.W.)

"Reception here nothing to brag about lately. 2YC,4YA,1YA 7NT,2NR,2GB,2ZB,4ZB,3ZB,2GZ, 3WV,2CO and 2BL heard several times but they don't seem to have the Fall kick.Latest BCB veri's to drift in are: TAR (LW),Kuldiga,Sofia,Stavanger, Porsgrund,Tunis, Tripoli, Ancona,Hudiksvall,Belgrade,Burgos,YV4RA, Dresden, Troppay, Sotens,Rome 2,Turi,Radio 37, Bru xxles (1465),Stagshaw" (Reichardt-Mass)..."Five best USA veri's here are: KFI,KNX,KFBK KRE and KGER.Most consistent USA station is KOSO (1626), the Okla.Police. WJZ and WABC have been very consistent of late when they come on at 11:30pm NZST. WJR is probably our best station at present.. XENT,KEAW are both good here. LZB (1070), Auckland, N.Z.has its dx session the first Friday in each month 9:30-10:30 am EST.IDA is always mention-

## NEW BRITISH FREQUENCIES

New frequencies proposed (which will probably be accepted),at the current Conference at Montreux, Switzerland. (Douglas Hooper).

DROTTWICH (L.W.), to.....	1415m
NORTH REGIONAL-Slaithwaite,to	690KC
SCOTTISH STATIONS at Burghead	
and Westerglen.	806KC
WELSH REGIONALS at Washford	
and Penmon,to	879KC
LONDON REGIONAL, to.....	951KC
MIDLAND REGIONAL (Remains same)	1013KC
EAST ANGLIA (NEW) also to be on	1013KC
N.IRELAND REGIONAL at	
Lisnagarvey to	1051KC
LONDON NATIONAL & N.SCOTLAND	
NATIONAL to	1231KC
ABERDEEN,to.....	1402KC
START POINT (NEW) to operate on	1474

## GUATEMALA WEEKLY PROGRAMS FOR IDA

Arranged through the great courtesy of Sr.Eduardo Perez F,Dir.of Communications for Guatemala,Guatemala City, "RADIO MORSE",TGL (1310) and TG2 (6190) of Guatemala City,is now broadcasting a special program for the IDA on Sundays from 2 to 2:30 a.m. EST, consisting of light classical music, with English & SPATARI announcements. All requests for special musical numbers will be gladly honored. Reports from all members,& other dx'ers, will be welcome, and verified promptly.

ed. (Wilson,Forrest)..."BCB reception is exceptionally good here at present,the best USA stations being: WSM,WIOD,XEAD, WLW and KLZ" (Kammann Venezuela)... "4PM (1350),Port Moresby,Papua,heard here at 2am PST" (Hal Clein-Calif)..."All stations in Hawaii have verified. KHBC's was the unusual "Seal of Pele" card. CMCF verifies with a grey card with large call letters in deep blue.LR3 can still be heard Sundays near lam EST, through KMBC (Shaffar-Iowa)...CKWX (1010),broadcasts a dx program every Sunday morning from 2:30-4:30am. VAS (685),Glance Bay,N.S.,broadcasts weather reports intermittently from 12 to 11pm (NRNC)

## ITEMS OF INTEREST

Gold Shield Products,350 Greenwich St.,N.Y.,N.Y., can furnish a 6" X 9" binder suitable for holding present size Globe Circlers for 80¢ each.... WLAP (1420),Lexington,Ky,will broadcast for the NRNC May 7,3-3:30am EST (Roberts)...The 3rd Issue of "The Radio Listener",giving complete BCB and S.W. lists,with addresses etc,is now out and may be had by sending 25 ¢ to The Radio Listener,P.O.Box 1,W. Newton,Mass...A.M.Pleyte,Route 1,Umattilla,Florida, will swap SWL cards, and letters with foreign members.... The QLR4A program,arranged by H.Tucker,May be cancelled-Ed.

# BROADCAST STATION NEWS

**AUSTRALIA** A New station will be built at Colac, Vict...POWER: 2PK, Parkes, and 3CV, Charlton, to 200 watts each (ADXC)

**CANADA** CJGX, Yorkton, Sask., now owned by Yorkton Broadcasting Ltd., and now on 1430kC, with 1kW, operates 8:30am-12:30am (Christie)...On Feb.26, CBY, Toronto, moved to 1420kC, and CBM, Montreal, to 960kC (NNRC)

**COLOMBIA** "Radio Manizales", Bogota, has purchased the old 50kW xmtr. of KNX and will operate it on 920kC (Fern)

**CUBA** FREQUENCY: CMW to 550; CMBQ to 660; CMBC to 690; CMBG to 1140; CMCB to 1230, and CMCR to 1320 (Radio Guia)...POWER of CMHI, Santa Clara, is to be raised to 5kW...NBC has been granted temporary authority to transmit programs to CMX (1260)

**GERMANY** According to the Chicago Tribune, Germany is building the strongest station ever erected in Europe.

**INDIA** VUD (886), Delhi, 20kW, operates 1:30-3:30, 7:30am-12:30, 9:30-11:30pm...VUL (1086), Lahore, 5kW, operates 11:30pm-1am and 7:30am-12:30pm... VUV (1022), Lucknow, operates 7am-12:30pm EST (All-India Radio)

**MANCHUOKUO** New stations will be erected in Chinchow (100W), Heiho, Hailar, Newchwang (50w), and a 2nd station in Mukden, during 1939 (com.Bul.)

**MEXICO** NEW: XEBW (1340), Chihuahua, Chih., 250w; XEM (1380), Chihuahua, Chih., 500w; XERH (1430), Mexico D.F., 500w, and XECH (1490), Toluca, 250w (RADEX)

**N.Z.** NEW: 5ZB (probably 1320kC), mobile, the Railway Studio of the National Commercial Broadcasting Service, power 250w, to travel from city to city, will soon be on the air daily 1:30-5:30am and 2:30-4:30pm EST

**POLAND** POWER INCREASES to take place during 1939: Lodz to- (\*\*\*)Forrest. 10kW; Warsaw to 300kW, -and a new 50kW xmtr. for Kattowitz (R.P.S.)

**SO.AFRICA** Four new transmitters for the "B" program of the ABC will be installed within the next few months, and a powerful new transmitter for the "A" program service at Johannesburg, (African Radio Announcer)

**U.S.A.** FREQUENCY: WRBL, Columbus, Ga. to 1330, power to 1kW; WGNY, Newburgh, N.Y. to 1220; KSLM, Salem, Ore., to 1360, power to 1kW...POWER: KQW (1010), to 5kW daytime; WGRM, Grenada, Miss., to 250w daytime; WILL (580), Urbana, Ill., to 5kW; WKBN (570), Youngstown, Ohio, to 1kW daytime. WLW (700), forced to reduce power from 500 to 50kW...The license of KUMA, Yuma, Arizona, has been revoked...Call of WLBY (1210), Lima, Ohio, changed to WLOK...WKAAQ, San Juan, Puerto Rico, has just been added to the CBS, as its 115th station (CBS-FCC-Callan)

## NEW UNITED STATES STATIONS

NOTE: These are new stations for which construction permits have been issued by the FCC since our last list was published in the November GC.

CALL	LOCATION	POWER & FREQ.	CALL	LOCATION	POWER & FREQ.
KFDA	Amarillo, Texas	100w 1500	WGIL	Galesburg, Illinois	250w 1500
KOCY	Oklahoma City, Ok.	100/250 1310	WGNC	Gastonia, N.C.	100/250w 1420
KSAN	San Francisco,	100w 1420	WJHP	Jacksonville, Fla.	250w 1290
KTSW	Emporia, Kansas,	100w 1370	WJLS	Beckley, W.Va.	100/250w 1210
KVAN	Vancouver, Wash.	250w 880	WPIV	Petersburg, Va.	100/250w 1210
KWOC	Poplar Bluff, Mo.	100w 1310	WRKL	Rock Hill, S.C.	100w 1500
KVWC	Vernon, Texas	100w 1500	WSAV	Savannah, Ga.	100w 1310
KWAL	Wallace, Idaho	100/250 1420	WTRY	Troy, N.Y.	1000w 950
KTOH	Lihue, Hawaii	100/250 1500	WMOB	Mobile, Ala.	100w 1200
WBTH	Williamson, Va.	100w 1370	WGBR	Goldsboro, N.C.	100w 1370
WCOS	Columbia, S.C.	100/250 1370		Atlantic City, N.J.	100w 1200
WINN	Louisville, Ky.	100/250w 1210			(FCC, Callan).

IDA member Kay I. Kibling, W2HXQ, 336 Oakland Beach Avenue, Rye, N.Y. in charge of the Reception and Entertainment Committee of the New York World's Fair Amateur Radio Station would like to hear from any IDA members, or other amateurs or dx listeners who are planning to visit the Fair so that she can send them information, and meet them in person.

The Chicago Windy City Chapter of IDA, plans to be host to a mid-states conclave of IDA members, and other dx'ers, sometime during the coming summer. Delegates from neighboring states will attend. Will anyone interested drop Leo Herz, 730 Roscoe St., Chicago, in charge of arrangements, a line, and he will be glad to notify you as soon as a date, and meeting place have been set.