



BILL HERZOG
CENTER MORICHES, N.Y.



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ELMER R. WALKER,
ALDERWOOD MANOR, WASHINGTON

SHORT WAVE NOTES

Editor-in-Chief C.A.Morrison; Frequency Checking Bureau, R.B.Oxrieder, J.Larsen, and C.Hartzell; Ama-Touring Editor, Ralph Gozen.

I. D. A. INTERNATIONAL FRIENDSHIP PROGRAMS

Saturday, Oct. 22, 10-11:30pm <u>EST</u> , A	(Guatemala, Guatemala)	9685kC	<u>TGWA</u>
	(Guatemala, Guatemala)	6040kC	<u>TGWB</u>
Tuesday, Nov. 22, 9-11pm <u>EST</u> ,	A Guayaquil, Ecuador	6635kC	<u>HC2RL</u>
Saturday, Dec. 18,	F Bucaramanga, Colombia	9630kC	<u>HJ7ABD</u>
Monday, Mar. 20, 12:01-1am <u>EST</u> ,	A San Salvador, El Salvador	7894kC	<u>YSD</u>

NOTE: Programs arranged by: A- Louis Ambrosius; P- J. Pichler.

ENGLISH NEWS-CASTS COVERING CENTRAL EUROPEAN CRISIS

<u>ENGLAND</u>	3:50AM	GSB-GSD-GSE-GSI-GSO	<u>GERMANY</u>	8:15PM	DJB-DJD-DJO
(2)	8:30AM	GSF-GSG-GSH-GSJ		10:30PM	DJB-DJD-DJO
(3)	11:00AM	GSF-GSG-GSH-GSJ-(GSP)	<u>CZECHO-</u>	Daily ex. Sat/Sun	9:50PM
(4)	1:00PM	GSD-GSI-GSG	<u>SLOVAKIA</u>	OLR5A, or 5B, or 4A, or 4B.	
	4:15PM	GSF-GSG-GSO-GSP-	<u>ITALY</u>	7:30PM	2R04-IRF-IQY
(5)	7:40PM	GSB-GSD-GSG-GSO-GSP	<u>FRANCE</u>	10:00PM	TPB7-TPA4
(6)	10:30PM	GSB-GSC-GSD-GSI	<u>U.S.S.R.</u>	7:00PM	RAN-RKI

PARTY TO SEARCH FOR LOST PYRAMID IN AMAZONIAN JUNGLES OF BRAZIL

Bill Hungerford, ex-VP3THE, will soon leave with a party of explorers for the interior of Brazil at the headquarters of the Amazon, on the edge of the headhunters country, where the expedition will search for a mysterious pyramid, supposedly erected about 11,500 B.C., the existence of which was confirmed by native indians who were in contact with the Terry-Holden Expedition last spring. Bill will operate a 150 watt transmitter, using the call PY3THE, on the 10, and 20 meter bands. As usual, the Globe Circler, will carry exclusive details concerning this interesting expedition, from the time it leaves New York, until it returns. (****Roger Legge)

DEADLINE for NOVEMBER GLOBE CIRCLER, Oct.15; for NOVEMBER STOP PRESS SHEET, Oct.29; for NOVEMBER AMA-TOURING, Oct. 25.

It is IMPERATIVE that all S.W. reports use one side of page only; that lines be double-spaced; items be grouped by continents, and time used be stated. Items in order of importance are: NEW stations; exact frequencies, or 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.

NORTH AND CENTRAL AMERICA

S O S--- S O S--- All members urgently requested to be on look-out for emergency messages from WLOXAB (14.368), with MacGregor Expedition from which no communications have been received since August.

ALASKA WXA (approx. 11.51), Juneau, and WXE (12.24), Anchorage, have been heard testing, and working WVD, Seattle, near 11-11:30pm (**Clein,

Amers). . K7PQ has verified after a period of nine months (CAM)

CANADA VE9HX (6.132), Halifax, is heard best Sundays 7-9pm (Horlick)

VE1N (3.88), Bowdoin-Kent's Island Exped. heard on 9/6/38 (Amers).

CANAL ZONE K5AH (14.28), American-Hamburgers, is new call, in C.Z. (Thomas)

C.R. TIEMT (now 10.29), "Radio El Mundo," relaying TIEM, Apartado Postal 1049, San Jose, signs-off at 8pm; issues attractive cd. with gold letters (Legge, Larsen) . . T12XD (11.928), "Voz del Radio Pilot", P.O.Box 1729 -San Jose, 600w, owned by John G. Daly, operates daily 10am-noon, and 4-10pm; opening theme is "March Don Quixote", and closing theme "The Peanut Vendor"; verifies promptly with red & black on peach background card (**Magnus on, Amers). . TIGPH's harmonic on 11.648 usually very loud (*Larsen)

CUBA A meteorological station COG2 (4.49-6.7-13.4), has been installed in northern Camaguey. . COBC now on 9.99, and very irreg. (Larsen); COBX now on 9.195 (Larsen); COBZ now on 9.005 (Larsen). . COCA (9:095), Galiano 102, Havana, operating to 12:15am, or later, issues red & white QSL card with following slogan, "We would like to C-U-B-A constant listener of ours" (*Amers, Larsen); COCH now on 9.436 (Larsen); COCO now on 5.992 QRM'ing HJ3 ABX (Larsen); COCQ now varying between 9.705 and 9.715 (E. Roberts, Balbi, Larsen, Sawyer) COCQ opens at 6:50am with "Siboney" (Sawyer). . COGF (11.8) -usually in network with CMRQ, opens at 8am (Sawyer)

D. R. HI9B, now on 6.67, signs-off at from 7:40 to 9:40pm (*Larsen) . . HI3X now using 15.28 for Sunday AM broadcasts; occasionally 17.4 (RL)

GUATEMALA Address for amateur TG5 is P.O.Box 12, Guatemala City (C.H.)

HAITI HH2S (now 5.955), is broadcasting an all-English program for residents of Jamaica, nightly 8:30-9:45pm (*Alfred, Larsen, Moore)

HAWAII KQH (14.92) tests with KEI (9.49), Saturdays from 11:30pm to mid., prior to broadcast of "Voice of Hawaii" from 12 to 12:30am (LA)

MARTINIQUE A Fort-de-France station on 5.95- not Radio Martinique- is being heard irregularly from 9 to 10:05pm (*Balbi)

MEXICO XEBR (11.826), heard at 6:10pm, on 9/5 (Larsen). . The Mexican Govt. program broadcast Sundays 7-8pm, originating over XECR (7.38), is relayed by XEUZ (6.117), XEBT (6), XEXA (6.172) and XEWW (15.16) (**Alfred) . . XEWW (15.16) is being heard 1 to 3:30pm irreg. (Horlick).. Amateur XELAC, member Alfonso Velasco, Mexico D.F. operates with 100w phone, on 7.149, 7.035, 14.07 and 14.298 megs. (*Steele) (bi)

PANAMA HP5G, Panama City, has shifted to 11.900mc (Voisch, Sawyer, Balbi)

PUERTO RICO WTC (13.41), calls WOJ, weekdays at 3:50pm (*Clein)

TRINIDAD Amateurs in Trinidad follow: VP2GD (7.001), Grenada; VP2SA (7), St. Vincent; VP4GA temporarily off air; VP4TN (7.177), Eric Dugt, 28 de Verteuil, Port of Spain (**Harbin-Trinidad)

UNITED STATES New freqs. for U.S. stations as registered with the Berne Bureau follow: 6.17, 6.19, 9.65, 9.67, 17.83, 21.57, 21.59, 21.61, 21.63, and 21.65mc (**FCC). . Explorer Lincoln Ellsworth's plane has been licensed for operation on 3.105, 6.21, and 12.42mc, with 100w power. . NEW: The Bell Tel. Labs Inc., of Ocean Township, N.J. has been granted a permit for a general exper. xmtr. to operate, with 50kW power, on 1614, 2398, 3492, 4797, 6425, 8.655, 12862, 17.31, 23.1, 25.7, 26, 27.1, 30.1, 31.6 and above. . . WGNA, a 50w relay xmtr. for WGN, Chicago, has been licensed to operate on 1.622, 2.058, 2.15, and 2.79mc (FCC)...WMI (11.37-6.425), coastal xmtr. at Lorain, Ohio, 500w, QSLs promptly (Amers, LA, Stark)...WNK (9.355), Hialeah, Fla -works C.A. daily at 8am (Alfred). . . Amateur W3HA at Emery, Henry, Virginia, is again operating illegally as a broadcast station on 10.635mc, near 7 pm, and later (**Larsen). . . APEX: NEW: WCNY (41.1), 500w, to be operated by the Board of Education of New York City, at Brooklyn (FCC)...W9XB will relay programs of WGN, Chicago (FCC)...W6XCW (39.7-39.9-40.8-41.4) is being used to relay speed trials from Bonneville Salt Flats, Utah (FCC)...Apex reception as follows is being heard in Ohio: on 25.95mc: W9XUP, St. Paul, Minn, 10am-4:30, 7-9pm; W8XNU, Cincinnati, 2-6pm; W6XKG, Los Angeles, 9am-10pm. On 26.05mc; W9XTC, Minneapolis, 5-9:30pm. On 26.lmc: W9XJL, Superior, Wis, 10am 8pm. On 31.6mc: W2XDV, New York City, relays CBS 8-9pm; W9XHW, Minneapolis, 7 8pm (**Horlick). . . See list for revised sked for WLXAL...Additional frequencies requested for W2XE: 6.18, 9.67, 17.83 and 21.57mc. See list for revised sked...New 35kW xmtr. for Boundbrook, N.J. is now in operation on 17.78mc, using call W3XL...W3XAL has requested following additional frequencies: 6.1, 9.67 and 21.63mc...W3XAU, Philadelphia, has been granted an

additional frequency of 15.27mc (FCC). See list for revised sked... W4XB (6.04), Isle of Dreams Broadcasting Corp., Miami, Fla., 5kW, relays WIOD weekdays 1-3, and 9pm-mid, and Sun., 4-6, and 9pm-mid; English & Spanish announcements (*Alfred)... WSXAL, Cincinnati, is reported to have been granted an additional frequency of 11.87mc. See list for revised sked... See list for revised sked for W8XK.

===== SOUTH AMERICA =====

ARGENTINA NEW: LRP (18), Buenos Aires, heard testing with N.Y. at 3pm (Alfred). . Freq. given for LRU is 15.28, but it is actually on 15.29mc.
BOLIVIA Amateur CP1BA (14.02), Sucre, heard with good sigs at 11:30pm.
BRAZIL PSH (10.22), operates weekdays 6-7pm (Sawyer*)
CHILE Letter veri' from CB1180 (11.97), "Radio Sociedad Nacional de agricultura", Casilla 40-D, Santiago, states that both schedule, and frequency is still on an experimental basis, and that when these have been definitely settled QSL cards will be issued (**Legge)
COLOMBIA HJY, All America Cables Inc. of Bogota, is testing late afternoons on 18.444mc (Easterbrook*). . . HJLABE (4.802), P.O. Box 31, Cartagena, is issuing a very modernistic new red, white & Blue QSL card (**Amers)... HJ1ABG (6.0425), Emisora Atlantico, Barranquilla, relaying xmtr. on 1060kc, weekdays 11am-11pm and Sun. 11am-8pm, issues a white QSL card, with red print, picturing antenna towers and a landscape view (**Magnuson). . HJ3ABX (5.99), is being badly QRM'ed by COCO at present (*Larsen). . HJ6ABU on 6.023mc, announcing as "La Voz de Pereira", is being heard at 10pm (Tuff*) . . HJ4ABU (8.652), "Emisora Universidad de Antioquia", Apartado Postal 217, Medellin, sends a folder veri' of black & white, with call in orchid; signed by director Jose J. Sierra C. (**Amers) . . Mystery Bogota, Colombia, station on 11.975mc, still being heard irreg. 9-11:30pm. Has both men and women announcers (**Alfred). . HJ7ABD (9.63), now broadcasts an English period daily from 10:30 to 11pm called the "Bucaramanga Mild Coffee Hour", consisting of news, a talk about Colombia and reading of listeners letters. This station states they verify all correct reports and an official veri' must show the Bucaramanga post-mark, since they do not send veri's via any club attempting to commercialize the obtaining of veri's (**Ambrosius). . HJ2ABJ, Santa Marta, is now on 4.864, and HJ5ABD, Cali, is now on 4.873mc (**Larsen). . HJ4ABP (4.884), signs-off at 10:15pm with selection, "Glow Worm".
ECUADOR A letter from Dr. Levi of HC2RL (6.635), Guayaquil, states, "We send everybody cards without charging a cent, because ours is a cultural station, not a commercial station, and by this idea is known in all the world, making known only the name of our country and city in all parts of the world, without personal interest. We never help exploiting business because it is against our ideals" (**Gardner-Ohio)
PARAGUAY Station believed to be ZP8 in Asuncion, is being heard on about 9.26mc, from around 6:30 to sign-off at 8pm (**Larsen)
VENEZUELA YV1RB (5.845), is being heard to 10:30pm (Larsen). . YV1RH (6.365), Maracaibo, is promptly verifying reports sent direct to the station (Plimpton**). . YV4RA, Valencia, is on 5.805mc (**Larsen). . NEW: YV5RR (5.835), Apartado 185, relaying YV5RS, Caracas, on 1320kc, issues a double-card veri', picturing several views of the studios (**Legge)

===== EUROPE =====

BULGARIA LZA (8.465), Sofia, now being used for telegraphy only. A new 20kW government station will be broadcasting regularly early in 1939.
CZECHOSLOVAKIA New N.A. sked: Mon/Tues/WED/Thurs/Fri 6:55-10pm, over OLR5A, or OLR5B, or OLR4A, or OLR4B (OLR, Reinhard**). Special programs will be broadcast over OLR from Oct. 23 to 29, to celebrate the 20th anniversary of the founding of the Czech Rep. (Present situation may upset these-Ed.)
DENMARK OZH (15.165), Best heard Sundays noon to 1:30pm, issues a white card with printing in red. Power is given as 5kW (**Magnuson, Beyer)
FINLAND SKED: OFO (15.187), broadcasts daily from mid, or 1 to 3am, and occasionally from 9am to noon, and 12:15 to 5pm; OFE (11.78), broadcasts irregularly from 1:05 to 3am, from 5 to 6:20am, and irreg. from 10am to noon; OFD (9.5), broadcasts almost daily from 12:15 to 5pm (**E. Roberts, Balbi, Gal lagher, Hartzell, Campbell, Alfred)
FRANCE See list for revised sked of "Paris Mondial".
GERMANY Special broadcasts of interest from Zeesen: "German Alphabet" on Thursdays at 8:30pm; Special "Alaska Day" broadcast on Tues, Oct. 18, at

10:15pm; "Way Down in Old Louisiana" broadcast on Mon. Oct. 24, at 9:15pm. . . DJO (11.795), is carrying the N.A. broadcast again. . . DZG (15.36), heard with Brazilian program on Saturdays at 5pm (E. Roberts). . . Anti-Nazi "Deutsche Freiheits Sender" (varying between 9.75 and 10.1), first heard in March, 1937, operates daily 4-5pm. Announces in German every quarter hour and signs-off with "Internationale" (**Sawyer)

HOLLAND IMPORTANT SKED CHANGES are being made in transmissions from Huizen. Listen-in to PHI and PCJ for official announcements (**PHI/PCJ)

ITALY Unidentified station on 9.67, relays 2RO4 nightly 7:30-9pm (**Larsen, Sawyer); Unidentified xmtr. on 15.18mc is relaying 2RO4 irreg. in afternoons (DeMyer, Bartholomew*); Unidentified stations relaying 2RO4 also being heard irreg. on 15.1 and 15.225 mc (*Alfred)

LUXEMBOURG Long-wave "Radio Luxembourg" at Junglinster, is being equipped with a powerful S.W. xmtr. and directional antennas, and experimental broadcasts-which will later be sponsored-will begin before January, 1938.

POLAND SP19 (15.12), and SP25 (11.74), Warsaw, beamed on So. America, operate in parallel with SPW and SPD, daily from 6-9pm. SP25 also reported on afternoons to 5pm (**Sawyer, Sekach, Roberts, Byrd, Reinhard, Morey, Traister)

SPAIN EAR reported as shifted frequency to 9.86mc, and is now broadcasting in English, daily 4:40-5, 7:30-8, and 8:40-9pm (**Horlick, EAR). . . EAQ on 9.855mc, operates 6-8pm; in English at 6:30 and 7:30pm (Sawyer). Veri from EAR, Madrid, 20kW, P.O. Box 782, is a QSL card picturing tanks advancing thru a battlefield (**Legge)

SWITZERLAND "Radio Bern" (15.365), is being verified by letters signed Schweizerischer Landessender Beromunster (*Satterthwaite)... "Radio Bern" (9.535), is operating weekdays 1-2, 6:45-7:45 and 8-9pm; heard on 11.865mc irregularly (**Reinhard)

U.S.S.R. RAN (9.6), has Spanish program daily 6-7pm (Sawyer)... IDA program of Aug. 28, was broadcast over RKI and RAN (Sawyer, Tucker, CAM, Bigbee) . . . RNE (12), has been broadcasting in parallel with xmtr. on 15.18mc, almost daily after 10am (*Amers). . . The Soviet operating on 15.18, daily 3-4 pm has been definitely identified by English announcements as RV26, "Radio Center, Moscow" (**Verbrugge; Campbell, Alfred, DeMyer). . . New RKI veri' shows view of Moscow Public Library, and the Metro in the foreground (WS).. . . Unidentified Soviet varying from 7.32 to 7.37, is heard 2-635pm (Moore)

VATICAN CITY HVJ (6.03 and 5.97), operates daily 2 to 2:15pm (*Tuff)-lop

YUGOSLAVIA Amateur YU7AY (14.25), America-Yokohama, heard at 11pm (**Sop

AFRICA

NEW: a mystery station announcing as CR5?? or CR9?? is being heard on 6.085mc, until 9:45am EST. Music & announcements in Portuguese (**Moore)

ANARY ISLAND EASAF (7.3), and EASAB (7.5), both verify with the new EAJ43 cards featuring a picture of General Franco (**Buitekant, Legge)

ITALIAN ITK (16.385), Mogadiscio, phones IAC (17.75), almost daily near 9am. Signals are quite loud (**E. Roberts)

SOMALILAND near 9am. Signals are quite loud (**E. Roberts)

RO. RHODESIA Amateur VQ2HC (14.31), "Vermont-Quebec-2-Honolulu-Canada," is being heard regularly with loud signals from 9:20 to 9:45am. Address is P.O. Box 27, N'Kana, Northern Rhodesia (**Clein)

SOUTH AFRICA ZRD (6.147), Durban, low, is being heard 1-2pm (Tuff-England*) . . . ZRK (9.61), Klipheuvell, is again being heard with good signals from 1145 to 12:45am EST (*Hartzell, Alfred). . . ZS6DW has 5000 unanswered reports and is looking for someone to fill them out (NNRC)

SPANISH MOROCCO EA9AH (13.997), Tetuan, heard 7-7:45pm with musical program; also heard 4-5, and 9-9:30pm (**Alfred)

TANGIER INTER-NATIONAL ZONE The address of CN1AF (14.285), still being widely heard 6:30 to 7:30pm EST, is, J. Sierra or J. Rizzo, Sources 19, Tangiers International Zone (**Ama-Touring, E. Roberts, DeMyer, Payette)

ASIA AND OCEANIA

BURMA Veri' from XYO (6.007-3.488), Burma Independent Wireless, Rangoon, is on form card acknowledging correspondence. Report must be accompanied by an IRC (**Amers)

CHINA Com. xmtr. XTR is now at Chungking, and operates on 9.4mc... XTS (11.44), Chungking, phones XTJ (11.69), Hankow, daily 3-10am (**Walcott)..

XRJ (9.545), calls KBJ, Manila, at 7:30am (Myers)... A very powerful xmtr. on 12.06mc, call unknown, works XTJ, occasionally after 7am (**Amers)

UTCH NEW GUINEA Reports on PK6XX (14.009-14.02-14.2-14.269-14.32), may be

sent to A.R.R.L., West Hartford, Conn., where they will be acknowledged with special Exped. certificates which may in turn be sent to Hollandia, for certification. QSL cards may be printed when the exped. returns. PK6XX, 375w, is best heard 6-8am (**Clein, Will, Hartzell, Moore)

F. INDO CHINA New address for "Boy Landry" is C/o M. Chn. Gantier, Director General, Departement RADIO, Etablissements Boy-Landry, 17, place A. Foray, Saigon (*Walcott). . FZR3 (16.23), "Radioelectrique Centre de Saigon, Postale Boite 238, Saigon, phones FTK (15.89), almost daily near 10am. Uses a 5 tone easily identified, distinctive signal (**Amers)

GUAM A. Carter (ex OM2BC), is now operating portable at Agana, as KGGSB; power 500w. Will verify. Operates on 20M band (**Legge)

HONG KONG ZBW3 (9.53), finally verified after 8 months (*Amers)

INDIA COMPLETE AND ACCURATE SKED OF INDIA XMTRS: VUD2 (9.59), and VUD3 (15.16), Delhi, daily 8:30-10:30pm; VUD2 (4.995), 1:30-3:30, 6:30am-12:30 pm. VUD4 (15.29), heard testing once at 12:45pm... VUB2 (9.55), Bombay, 9:30 10:30pm; VUB2 (4.905), Bombay, 12-2, 6-11:30am... VUM2 (4.95), Madras, 6-11am.. ... VUC2 (9.53), 1:06-3:06am; VUC2 (4.88), Calcutta, 6:06-11:06am. (**Alfred, DeMyer, Balbi, Moore, Stark, Klein, Ambrosius). . VUD3 (15.16), comes on air at 8:30pm with town hall chimes and clock striking 7am (Delhi time), then the following English announcement, "Good Morning Everybody, this is VUD operating on 9.59 and 15.16mc. Broadcast will consist of Hindu music light and classical. News bulletin in English will be read at 10:10pm" (**Pratt, Alfred, Squire, E. Roberts)

JAPAN Overseas hour for E. North America, now heard daily 7-7:30am over JZJ, and 8-8:30pm, over JZK (15.16); for Australasia, daily 8-9:30am, over JZJ (*Verbrugge, CAM, Balbi, Messer, Campbell). . A new Japanese xmtr. on 9.73mc, in parallel with JVN (10.66), from 1:50am on. (**Moore); JVP (7.51), is operating irreg. 8-9:30am; JZA (7.11), is being heard with program irregularly from 8:15-10:15am. There is also an unidentified xmtr. on 12.03, that broadcasts irreg. to 7:35am (**Moore)

JAVA Unknown xmtr. on 6.04mc, is operating in parallel with YDB, and PLP, from 7-10am irreg. (**Balbi). . PLV (9.415), Bandoeng, often works the west coast at 9:50am (*Alfred). . PLQ (10.69), phones YBG (10.43), Medan Sumatra, near 6:40-7am irreg. (*E. Roberts)

MANCHUKUO MTT (13.53), Manchuria Telephone and Telegraph Co., Radio House, Hsinking, Manchukuo, 20kW, transmits 10:30-11:30pm (**E. Roberts)

NEW GUINEA VK9XX (14.285), "Xray-Xray, Rabaul, heard at 6:30am (**Soplop)

NEW ZEALAND ZME (HF end of 40M band), a govt. Land station on Sunday Island transmits irregularly (**Forrest). . ZLT, Wellington, operated by Posts, and Telegraph Dept., will positively not verify any reports (**Amers)

PAPUA NEW: VIG (7.31), relays broadcast station VK4PM of Port Moresby, quite often on the first and third Saturday of each month from 3-5 am (**NRC, Radio Guia). . Amateur VK4HN (14.32), Port Moresby, heard working a W3 at 6:45am (**Alfred)

PITCAIRN VR6AY (14.346), 60w, is again on the air and was heard working W9NDA at 5:25am (**Messer)

PHILIPPINES Sked for KZRM (9.57), "Radio Manila," Insular Life Bldg. Manila, is Mon. to Fri. 5-9am, and 4:30-6pm; Sat 5-10am, and 4:30-6pm; Sun 4-10am (**Alfred). . KBJ (13.22), Manila, calls KWU often near 10:30am (**Amers)

SIAM Bangkok now broadcasts Mondays on 19.02mc, under call HS6PJ (**Walcott). . Bangkok (6.11), heard signing-off on Wed. at 10:15am (*Moore)

TURKEY TAO (9.465), Ankara, operates daily 6:30-7am. Oriental and classical musical selections are featured but no identification is given (**Bigbee). . TAO (15.195), Ankara, operates daily from 1:20 to 5pm, or later, but after 4:40pm, the station is blotted out by DJB's (15.2) carrier wave coming on the air. Oriental type of music on string instruments similar to that broadcast by the India stations is often featured, but after 4pm American recordings are often used. At times this station is believed to relay 2RO4, Rome, Italy, and at these times the announcement is simply "2RO4". The announcer is Mademoiselle Hadjimihal, who speaks fluently in Turkish, German, French, and English. The new short-wave transmitters which relay a 60kW long-wave station (1629 meters), will be formally opened on October 29, to celebrate the 15th anniversary of the Turkish Republic (**E. Radio, Radio Guia, Reinhard, NNRC, Com. Bul, DeMyer, Alfred, CAM)

NOTE: The Short-Wave Section contains notes from 61 countries this month-Ed.

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; * See short-wave notes; U- frequency in doubt.

DIAL METERS	MEGS.	CALL	STATION	TIME ----- EASTERN STANDARD.	
S13.92	21.54	W8XK	Pittsburg, Penna.	6:45-9am.	
Y13.93	21.53	GSJ	Daventry, England	5:45-noon.	(13M)
S13.94	21.52	W2XE	Wayne, New Jersey	7:30-10am; Sat & Sun 8am-1pm.	
S13.96	21.50	W2XAD	Schenectady, N.Y.	8am-noon directed to S.A.	
SY13.97	21.47	GSH	Daventry, England	5:45am-noon.	
13.99	21.45	DJS	Zeesen, Germany	12:05-11am to Asia	
C15.77	19.02	HS6PJ	Bangkok, Siam	Mondays 8-10am.	*
16.23	18.48	HBH	Geneva, Switzerland	Sundays 10:45-11:30am.	
16.84	17.82	2R06	Rome, Italy	Tests 8, or 9 to 10am irreg.	(16M)
16.85	17.81	TPB3	Essarts, France	8:30-10am	
SY16.86	17.79	GSG	Daventry, England	5:45am-noon, 12:20-6, 6:20-8:30p	
SC16.87	17.78	W3XL	Boundbrook, N.J.	9am-5pm to Europe; 5-9pm to SA.	
S16.88	17.77	PHI2	Huizen, Holland	Sun 6:25-9:40am; M/W/F/S. 7:25-8:25am; Tues/Thurs 7:25-8:40am	
16.89	17.76	DJE	Zeesen, Germany	12:05-10am; Sun 11:10-12:25pm.	
S17.36	17.28	FZE8	Djibouti, F.Somaliland	Nov 3/Dec. 1, 8-8:30am.	
19.52	15.37	HAS3	Budapest, Hungary	Sundays 9-10am.	
19.53	15.365		Bern, Switzerland	Testing 6:45-7:45pm.	*
19.56	15.34	DJR	Zeesen, Germany	8-9am, 4:50-10:45pm to C.A.	
S19.57	15.33	W2XAD	Schenectady, N.Y.	12:15-7pm.	
S19.58	15.32	OLR5B	Prague, Czechoslovakia	M/T/W/T/F 7:55-10:55pm; S/S 5-5:15pm; Sun 5:55-8:55.	
Y19.60	15.31	GSP	Daventry, England	4:15-6, 6:20-8:30pm.	
19.61	15.30	YDB	Soerabaja, Java	7:30pm-2am.	
19.61	15.30	2R05	Rome, Italy	12:10-2, 7:30-9pm & irreg.	
19.62	15.29	VUD4	Delhi, India	Heard testing 12:45-1:15pm	*
19.62	15.29	LRU	Buenos Aires, Argentina	7-9am.	
19.63	15.28	DJQ	Zeesen, Germany	12:05-5:50am, 4:50-10:45pm.	(19M)
19.63	15.28	HI3X	Trujillo City, D.R.	Sunday mornings irreg.	*
S19.64	15.27	W2XE	Wayne, N.J.	1-6pm; Sat/Sun 2:30-6pm.	
SY19.66	15.26	GSI	Daventry, England	2-4:15am, 12:20-4, 9:20-11:30pm.	
S19.67	15.25	WLXAL	Boston, Mass.	Tues/Thurs 4:30-6:30pm.	
S19.68	15.243	TPA2	Pontoise, France	6-11am.	
19.70	15.23	OLR5A	Prague, Czechoslovakia	Same as OLR5B (15.32)	
S19.71	15.22	PCJ2	Huizen, Holland	6:15-6:45pm; Tu 2-2:30am; Wed 9:30-11:30am; Sat 7:15-7:45pm*	
S19.72	15.21	W8XK	Pittsburgh, Penna.	9am-7pm.	
19.74	15.20	DJB	Zeesen, Germany	12:05-11am, 4:50-10:50pm.	
C19.74	15.195	TAO	Ankara, Turkey	1:20-5pm.	*
SC19.75	15.19	OFO	Lahti, Finland	1-3am; 9am-noon & 12:15-5pm ir	*
SC19.76	15.18	RV26	Moscow, U.S.S.R.	9am-noon, 3-4, and 9-10pm	*
SY19.76	15.18	GSO	Daventry, England	2-4:15am, 4:15-6, 6:20-8:30pm.	
19.78	15.17	TCWA	Guatemala, Guatemala	12:15-1:45pm; Sun 12:45-5:15pm	
19.78	15.165	OZH	Skamlebak, Denmark	Sundays 8am-1:30pm. (-8:30pm.*	
S19.79	15.16	JZK	Tokio, Japan	12:30-1:30, 2:30-4, 4:30-5:30, 8-	
SC19.79	15.16	VUD3	Delhi, India	8:30-10:30pm.	*
S19.79	15.16	XEWW	Mexico D.F., Mexico	1-3:30pm irreg.	*
19.80	15.155	XM5SX	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.	
Y19.82	15.14	GSF	Daventry, England	5:45am-noon, 4:15-6pm.	
S19.83	15.13	TPB6	Essarts, France	7-9:15pm.	
19.84	15.12	SP19	Warsaw, Poland	6-9pm.	*
19.84	15.12	HVJ	Vatican City, Italy	10:30-10:45am ex. Sundays.	
19.85	15.11	DJI	Zeesen, Germany	12-2, 8-9, 10:40am-4:25pm.	
19.89	15.08	RKI	Moscow, U.S.S.R.	3-4, 7-9:15pm; Sun 6:30am etc*	
20.11	14.92	KQH	Kahuku, Hawaii	Sundays 12-12:30am, 6-6:30pm *	
S20.55	14.60	JVH	Nazaki, Japan	10-11pm, and irreg.	

20.64	14.535	HBJ	Geneva,Switzerland	Sun 1:45-2:30pm;Mon 1:30-1:45
20.78	14.44		Malaga, Spain	5:40-8:40pm (am, 6:45-8:30pm.
20.79	14.43	HCLJB	Quito, Ecuador	Sun 9-9:30pm & irreg.
YS21.40	14.02	PK6XX	Hollandia,New Guinea	6-8am irreg. *
S21.43	13.997	EA9AH	Tetuan,Span.Morocco	4-8, 9-9:30pm. *
22.00	13.635	SPW	Warsaw, Poland	6-9pm. *
23.06	13.000	CR6AA	Lobito, Angola	Wed/Sat 2:45-4:30pm.
24.03	12.486	HIN	Trujillo City,D.R.	7:10-10:10pm.
C24.08	12.46	HC2JB	Quito, Ecuador	8-10:30pm ex.Mondays.
24.52	12.235	TFJ	Reykjavik, Iceland	Sundays 1:40-2:30pm.
25.00	12.00	RNE	Moscow, U.S.S.R.	8:30-9:15,10:15-11pm,3-6pm;Sun 6-7,10-11am;Wed. 6:30-7:30am.
F25.02	11.99	CB1180	Santiago, Chile	7-11pm. *
25.06	11.97	HI2X	Trujillo City,D.R.	Tues/Fri 8:10-10:10pm.
S25.15	11.928	TI2XD	San Jose,Costa Rica	10am-noon, 4-10pm. *
25.19	11.91	CD1190	Valdivia,Chile	10am-1pm, and 7-10pm.
25.21	11.90		Hanoi,F.Indo-China	Daily to 9:30am.
F25.21	11.90	HP5G	Panama City,Panama	8-11pm. *
25.21	11.90	XEWI	Mexico D.F.,Mexico	7:30pm-mid;Sun 12:30-2pm.
25.21	11.90	HP5I	Aguadulce, Panama	7:30-9:30pm.
S25.23	11.885	TPA3	Pontoise, France	2-5,11:15am-6,7-9:15pm.
S25.23	11.885	TPB7	Essarts, France	9:30-Midnight to N.A.
S25.27	11.87	W8XK	Pittsburgh,Penna.	7-11pm.
25.28	11.865		Bern, Switzerland	Testing 8-9pm for N.A. irreg *
SY25.30	11.86	GSE	Daventry, England	2-4:15am.
25.31	11.855	DJP	Zeesen, Germany	7:15-10:50pm for N.A. Irreg.
25.32	11.85	CB1185	Santiago, Chile	Relays CB138 nightly.
S25.34	11.84	OLR4A	Prague,Czechoslovakia	M/T/W/T/F 7:55-10:55pm;Daily 1:55-4:30pm; Sunday 5:55-8:55p
S25.36	11.83	W2XE	Wayne, N.J.	6:30-11pm to S.A.
25.37	11.826	XEBR	Hermosillo, Mexico	9:30-11am, 1-4, 9pm-Mid. *
25.40	11.81	2RO4	Rome, Italy	5am-9pm.
25.42	11.80	COGF	Matanzas, Cuba	6-11pm. *(5:30p*
S25.42	11.80	JZJ	Tokio, Japan	7-7:30,8-9:30am,2:30-4,4:30-
S25.44	11.795	DJO	Zeesen, Germany	7:15-10:50pm to N.A. *
S25.45	11.79	WLXAL	Boston, Mass.	M/W/F. 4:30-6:30pm;Sun 3-5:30p
25.45	11.79	OER3	Vienna, Germany	M.to F 9am-5pm;Sat to 5:30pm.
S25.47	11.78	OFE	Lahti, Finland	1-3, 5-6:20amd 10am-noon irreg
25.49	11.77	DJD	Zeesen, Germany	10:35am-4:35pm, 4:50-10:50pm.
S25.50	11.76	OLR4B	Prague,Czechoslovakia	See OLR4A (11.84)
25.50	11.76	XETA	Monterrey, Mexico	Noon-3:30pm. (9:20-11:20pm
SY25.53	11.75	GSD	Daventry,England	2-4:15am,12:20-4,6:30-8:30,-
F25.55	11.74	SP25	Warsaw, Poland	6-9pm. *
25.55	11.74	COCX	Havana, Cuba	8am-lam.
S25.58	11.73	WLXAL	Boston, Mass.	9-11pm irreg.
S25.60	11.72	CJRX	Winnipeg, Canada	Saturdays only irreg.
25.60	11.718	CR7BH	Laurenco,Mozambique	12-1,4-6:30,9-11am,12:10-4pm; Sundays 5-7am,10am-2pm.
S25.61	11.713	TPA4	Pontoise, France	7-9:15, 9:20-12 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.
25.63	11.705	SBP	Motala, Sweden	1:20-2,6-9,11am-4:15pm;Sun- 3am-4:15pm;W/Sat 8-9pm.
S25.64	11.70	HP5A	Panama City,Panama	10am-1pm,5-10pm;Sun 6-10pm.
X25.64	11.70	CB1170	Santiago, Chile	10am-2pm, 3:30-11pm.
25.66	11.691	XTJ	Hankow, China	Mid-12:30am, 7-7:30am. *
25.69	11.676	IQY	Rome, Italy	7:30-9pm and irreg.
26.01	11.535	SPD	Warsaw, Poland	6-9pm. *6:45-8:30pm *
26.32	11.402	HBO	Geneva,Switzerland	Sun 7-7:45pm;Mon 1-1:15am,-
27.17	11.04	CSW2	Lisbon, Portugal	2:15-4:15pm.(am ex.Sat;Sa 7pm-
27.27	11.00	PLP	Bandoeng, Java	4:30-10:30am,6-7:30,10:30pm-2
27.40	10.95		Tananarive,Madagascar	12:30-12:45,3:30-4:30,10-11a
28.14	10.66	JVN	Tokio, Japan	1:50-7:40am.
28.30	10.60	ZIK2	Belize,Brit.Honduras	Tu/Th/Sa 1:30-2,8:30-9pm.
28.48	10.535	JIB	Taihoku, Taiwan	Relays JFAK 9:05-9:55am.

28.79	10.42	XGW	Shanghai, China	Daily to 9, or 10am.
28.85	10.40	YSP	San Salvador, El Sal.	7:30-8:30am, 1:30-11pm.
28.93	10.37	EAJ43	(Tenerife, Canarias (Salamanca, Spain	1:15-3:30, 4-6, 6:45-7:45, 8-8:45 pm to N.A.
29.04	10.33	ORK	Ruyssede, Belgium	12:30-2pm to Belgian Congo.
29.15	10.29	DZC	Zeesen, Germany	Sat. 5-5:30pm & irreg.
SF29.15	10.29	TIEMT	San Jose, Costa Rica	4:30-8pm. *
29.21	10.27	J20	Tokio, Japan	8-9:30am; or later irreg.
29.24	10.26	PMN	Bandoeng, Java	4:30-10:30am, 6-7:30, 10:30pm- 2am ex.Sat; Sat 7:30pm-2am.
S29.35	10.22	PSH	Rio de Janeiro, Brazil	6-7pm; Mondays 8-8:30pm. *
J29.70	10.10		Deutsche Freiheits	Sender 4-5pm. *
J30.03	9.99	COBC	Havana, Cuba	6:55am-lam. *
F30.24	9.92	JDY	Darien, Kwantung	7-8am, or later.
30.33	9.892	CPL	Sucre, Bolivia	11am-noon, 7-9pm.
SV30.45	9.855	EAQ	Madrid, Spain	3:45-4:05am, 3:45-4:05, 7:30-8,- 8:45-9:10pm.
30.52	9.83	IRF	Rome, Italy	Relays 2R04, 6-9pm & irreg.
FJ30.60	9.805	COCM	Havana, Cuba.	8am-12:30am.
30.74	9.76		Saigon, F. Indo-China	7:30-9:15am.
FV30.82	9.735	CSW3	Lisbon, Portugal	Noon-2, 5-6, 6-8pm for N.A. *
N30.83	9.73		TOKIO, JAPAN	In parallel with JVN from 1:50
FJ30.88	9.715	COCQ	Havana, Cuba	6:55am-lam. (am.)
V30.93	9.70		Fort-de-France, Martinique,	6-8pm, or later
V30.95	9.695	TI4NRH	Heredia, Costa Rica	Tu/Th/Sat 9-10pm; Sun 7-9am.
F30.95	9.695	LRA	Buenos Aires, Argen.	Mon to Th 6-9pm; Fri 4-9pm,-
30.96	9.69	ZHP	Singapore, S.S.	5:45-9:45am. (Sat/Sun 7-9pm.)
30.98	9.685	TGWA	Guatemala, Guatemala	10-11:30pm ex.Sun; Sun 7-11:30p
30.99	9.68	CSW7	Lisbon, Portugal	Reported operating here irr.
N31.02	9.67		Italian station.	7:30-9pm. *
31.06	9.66	LRX	Buenos Aires, Argen.	9:30am-10:30pm; Sat to mid.
SJ31.09	9.65	CS2WA	Lisbon, Portugal	Tues/Thurs/Sat. 4-7pm. ,
31.11	9.645	HH3W	Port-au-Prince, Haiti	1-2, 7-9pm.
V31.12	9.64	CXA8	Colonia, Uruguay	Relays LR3 7am-mid.
31.13	9.636	JFO	Taihoku, Taiwan	4010:30am.
S31.15	9.63	HJ7ABD	Bucaramanga, Colom.	5:45-6:30, 11:30am-1, 6-11pm. *
31.20	9.618	HJ1ABP	Cartagena, Colombia	Weekdays 9am-1:30pm, 4:30-10pm; Sun 4:30-9pm.
31.22	9.61	ZRK	Klipheuvell, S. Africa	11:45pm-12:45am ex.Sat; 3:20- 7:20, 9-11:45am. *
31.24	9.604	HP5J	Panama City, Panama	Noon-1:30pm, 6:30-10:30pm.
31.25	9.602	XEYU	Mexico D.F., Mexico	3:40-4:30, 8pm-midnight. (31M)
U31.25	9.60		Addis Ababa, Ethiopia	1-2pm.
31.25	9.60	RAN	Moscow, U.S.S.R.	6-7; 7-9:10pm for N.A. *
S31.28	9.59	PCJ	Huizen, Holland	Sun 3:20-4:30, 7:15-9:30pm; Tues 1:45-3:40, 7:15-10:30pm; Wed 715 -8:30pm, Fri. 8-9pm.
31.28	9.59	VK6ME	Perth, W. Australia	Weekdays 6-8am. (9:30-11:30am.
31.28	9.59	VK2ME	Sydney, Australia	Sundays 12:30-2:30, 4:30-8:30,-
S31.28	9.59	W3XAU	Philadelphia, Penna.	M/Th/Sa 1pm-lam; Tu/F/Su mid- lam; Wed 10pm-lam. (irreg)
S31.28	9.59	VUD2	Delhi, India	8:30-10:30pm; 6:30am-12:30pm-
31.32	9.58	GSC	Daventry, England	12:17-1:15, 9:20-11:20pm.
31.32	9.58	VLR	Melbourne, Australia	9:35pm-2am, weekdays 3:30-8:30a
S31.35	9.57	WLXX	Springfield, Mass.	6am to 1 a.m.
S31.35	9.57	KZRM	Manila, Philippines	Weekdays 4:30-6pm; Mon.to Fri 5 -9am; Sat 5-10am; Sun 4-10am. *
31.38	9.562	OAX4T	Lima, Peru	7-8, 11:30am-1:30pm, 4-6:15pm.
31.38	9.56	DJA	Zeesen, Germany	12:05-11am, 4:50-10:45pm.
31.41	9.55	YDB	Soerabaja, Java	4:30-10:30am; 6-7:30, 10:30pm-2 am ex.Sat; Sat 7:30pm-2am.
S31.41	9.55	VUB2	Bombay, India	9:30-10:30pm. *
31.41	9.55	HVJ	Vatican City, Italy	Sundays 5-5:30am.
S31.41	9.55	TPB11	Essarts, France	2-5am, 11:15am-6pm.
31.41	9.55	OLR3A	Prague, Czechoslovakia	Mon/Tues 4:40-5:10pm.

S31.41	9.55	W2XAD	Schenectady, N.Y.	7:15-11pm to S.A.
X31.41	9.55	XEFT	Veracruz, Mexico	7:30pm-midnight.
31.45	9.54	DJN	Zeesen, Germany	4:50-10:50pm to So. America.
31.46	9.538	VPD2	Suva, Fiji's	5:30-7am ex. Sundays.
S31.47	9.535		Bern, Switzerland	1-2, 6:45-7:45, 8-9pm.
S31.48	9.53	W2XAF	Schenectady, N.Y.	4pm-midnight.
S31.48	9.53	VUC2	Calcutta, India	1:-6-3:06am.
31.49	9.526	LKC	Jeloy, Norway	4:30-10:30am; Sun 2:30-10:30am
31.50	9.526	ZBW3	Hong Kong, Hong Kong	4-11am; Sun 3-9:30am etc.
X31.50	9.526	XEDQ	Guadalajara, Mexico	Noon-4:30pm, 8-11:30pm.
31.50	9.523	ZRH	Roberts Heights, S. Africa	11:45pm-12:45, 5-7:30am.
31.51	9.52	HJGABH	Armenia, Colombia	Sundays 4-5am etc.
31.51	9.52	OZF	Skamlebak, Denmark	8-11am, 6-10pm.
SY31.55	9.51	GSB	Daventry, England	8-9:30, 9:30-11pm. to N.A.
V31.55	9.51	HS8PJ	Bangkok, Siam	2-4:15am, 12:20-6, 6:20-8:45pm,
31.57	9.503	XEWW	Mexico D.F., Mexico	9:20-11:20pm.
31.58	9.501	PRF5	Rio de Janeiro, Brazil	Thursdays 8-10am.
31.58	9.50	OFD	Lahti, Finland	9am-midnight.
31.58	9.50	VK3ME	Melbourne, Australia	4:45-5:55pm ex. Sundays.
V31.61	9.49	OAX5C	Ica, Peru	12:15-5pm.
SV31.62	9.488	EAR	Madrid, Spain	4-7am except Sundays.
SC31.70	9.465	TAO	Ankara, Turkey	8-11:30pm.
31.77	9.445	HCODA	Guayaquil, Ecuador	4:40-5, 7:30-8, 8:40-9pm.
31.79	9.436	COCH	Havana, Cuba	6:30-7am.
31.98	9.38		Tananarive, Madagascar	8:15-10:15pm ex. Sundays.
V32.07	9.354	HC1ETC	Quito, Ecuador	8am-11pm; Sun 8am-10pm.
32.11	9.345	HBL	Geneva, Switzerland	12:30-12:45, 9-10am, 3:30pm-
X32.12	9.34	OAX4J	Lima, Peru	8-11pm Saturdays.
FJ32.26	9.30	XGOW	Shanghai, China	Sundays 8-8:45pm.
X32.29	9.29	HIG	Trujillo City, D.R.	Noon-3, and 5pm-midnight.
N32.40	9.26	ZP8	ASUNCION, PARAGUAY	8-9:05am. (4:40pm.)
V32.63	9.195	COBX	Havana, Cuba	6:40-8:40, 11:40am-2:10, 3:40-
V32.66	9.185	HC1GQ	Quito, Ecuador	6:30 to 8pm.
J32.74	9.165	HC2CW	Guayaquil, Ecuador	Relays CMBX 8am-11:30pm.
32.87	9.125	HAT4	Budapest, Hungary	Mon/Wed/Sat 9-11pm.
SV32.99	9.095	COCA	Havana, Cuba	7-11:30pm; Sun 3:30-6pm.
J33.00	9.09	XGX	Hankow, China	Sun/Wed 7-8pm; Sat 6-7pm.
33.00	9.09	PJC2	Curacao, D.W.I.	Noon-12:15am, or later
FV33.32	9.005	COBZ	Havana, Cuba	5-10am.
33.48	8.96	COKG	Santiago, Cuba	6:36-8:36pm; Su 10:36am-12:36pm
33.80	8.875		Mogadiscio, Ital. Somaliland	7:45am-1:15am.
34.66	8.665	COJK	Camaguey, Cuba	506, 9:30-10:30pm.
V34.67	8.652	HJ4ABU	Medellin, Colombia	11:30am-12:30pm, 3:30-6, 8-9pm.
34.97	8.58	YNPR	Managua, Nicaragua	Weekdays 7-10pm.
37.13	8.08	VHPM	Port Moresby, Papua	12:45-2:15, 6:45-10:15pm.
38.00	7.894	YSD	San Salvador, El Salvador	Heard Testing 5:30-6:30am.
38.12	7.87	HC1RB	Quito, Ecuador	7-10:30pm.
38.20	7.854	HC2JSB	Guayaquil, Ecuador	8:30-11:30pm.
39.95	7.51	JVP	Tokio, Japan	11am-2pm, 4-11pm.
40.27	7.45	TI2RS	San Jose, Costa Rica	8-9:30am irreg.
40.49	7.41	YDA	Batavia, Java	7-11pm.
40.65	7.38	XECR	Mexico D.F., Mexico	10:30pm-2am; Sat 7:30pm-2am.
N41.01	7.31	VIG	PORT MORESBY, PAPUA	Sundays 6-8pm. (3-5am.)*
41.55	7.22		Malaga, Spain	1st & 3rd Sat. of each month-
41.80	7.177	CR6AA	Lobito, Angola	9-10am, 4-5:30pm.
42.09	7.128	YN3DG	Leon, Nicaragua	Wed/Sat 2:45-4:30pm.
42.25	7.10	FO8AA	Papeete, Tahiti	2-2:30, 8:30-9:30pm ex. Sunday
43.01	6.975		Wellington, N.Z.	Tues/Fri 11pm-12:30am.
44.18	6.79	PZH	Paramaribo, D. Guiana	Testing.
V44.28	6.775	HIH	San Pedro, D.R.	Mon/Wed/Fri 5:41-8:41pm.
V44.36	6.763	HI7P	Trujillo City, D.R.	7:40-9:10pm; Sun 5:20-6:40pm.
44.38	6.76	YNLF	Managua, Nicaragua	7:10-8:40pm; Sun 9:40-10:40pm.
44.51	6.74	HC1TQ	Quito, Ecuador	10-11:45pm.
				Sundays 5-7pm.

44.60	6.727	PMH	Bandoeng, Java	4:30-11am; Sun 8:30pm-1:30am.
V44.86	6.687	TIEP	San Jose, C.R.	7-10:30pm.
F44.98	6.67	HI9B	Santiago, D. R.	6:40-8:40pm.
45.08	6.655	HI5G	La Vega, D. R.	to 6:10pm ex. Sundays.
B45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun 5:30-7:30pm; Tu 9-11pm.
X45.25	6.63	HIT	Trujillo City, D.R.	12:10-1:40pm, 4:40-8:40pm.
B45.29	6.625	PRADO	Riobamba, Ecuador	Thursdays 9-11pm.
XV45.39	6.61	YNLG	Managua, Nicaragua	1:30-2:30, 6-10:15pm.
45.45	6.60	HI6H	Trujillo City, D.R.	Signs-off at 10pm.
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.
X45.84	6.545	YV6RB	Bolivar, Venezuela	6:30-9:30pm ex. Sundays.
V46.01	6.52	YV4RB	Valencia, Venezuela	10:30am-1:30pm. 5-9:30pm.
J46.11	6.507	YN1GG	Managua, Nicaragua	1-2:20, 8-10pm ex. Sundays.
46.15	6.50	HIL	Trujillo City, D.R.	12:30-2, 6-8, or 9pm ex. Sundays
46.26	6.485	HILL	Santiago, d.l.c., D.R.	Weekdays 5:30-9:30pm.
46.41	6.465	YV3RD	Barquisimeto, Venez.	11:30am-1:30pm, 5:30-9:30pm.
46.44	6.455	HI4V	S.F. de Macoris, D.R.	5:10-7:40pm, to 10pm irreg.
J46.58	6.44	TGQA	Quezaltenango, Guat.	9-11pm ex. Sat/Sun; Sat 9pm-1am; Sun 1-3pm.
46.66	6.43	HI1S	Santiago, D.R.	5:40-7:10pm ex. Sundays.
46.77	6.416	YV6RC	Bolivar, Venezuela	10:30am-1:30pm, 4:30-9:30pm.
46.80	6.41	TIPG	San Jose, C.R.	7-9:30am, 12-2, 4-11:30pm.
46.88	6.40	YV5RH	Caracas, Venezuela	5-9:30pm ex. Sundays.
46.99	6.384	VP2LO	Basseterre, St. Kitts	4-4:45pm, Wed 7:30-8pm.
47.02	6.38	YV5RF	Caracas, Venezuela	11am-1pm, 5:30-9:30pm ex. Sun.
J47.06	6.375	TIWS	Puntarenas, C.R.	5-7, 7:30-10; Sun 5-6pm.
47.14	6.365	YV1RH	Maracaibo, Venezuela	10:30am-1:30, 4:30-10:30pm.
47.20	6.357	HRP1	San Pedro Sula, Honduras	7:45-10pm ex. Sundays.
47.32	6.34	HI1X	Trujillo City, D.R.	Tues/Fri 8:10-10:10pm.
47.36	6.334	OAX1A	Chiclayo, Peru	8-11pm.
47.43	6.324	COCW	Havana, Cuba	6:55-1am; Sun 9:55am-10pm.
47.51	6.315	HIZ	Trujillo City, D.R.	5:10-7:40pm ex. Sundays.
47.62	6.30	YV4RD	Maracay, Venezuela	6-11pm except Sundays.
47.66	6.295	OAX4G	Lima, Peru	7pm-midnight. (9:40pm.)
VX47.74	6.285	HIG	Trujillo City, D.R.	6:40-8:40, 11:40am-2:10, 3:40-
V47.85	6.27	YV5RP	Caracas, Venezuela	4:30-9:30pm, or later.
47.96	6.255	YV5RJ	Caracas, Venezuela	5:30-8pm.
XV48.05	6.243	HIN	Trujillo City, D.R.	5:25-10:10pm or later.
48.08	6.24	ZGE	Kuala Lumpur, FMS.	Sun/Tues/Fri 6:40-8:40am.
48.11	6.235	HRD	La Ceiba, Honduras	8-11pm; Sun 4-6pm.
F48.15	6.23	YV1RG	Valera, Venezuela	11:30am-1pm, 5:45-8:45pm.
V48.31	6.21		Saigon, F. Indo-China	7:30-9:15am.
48.35	6.205	YV1RI	Coro, Venezuela	6:30-9:30pm ex. Sundays.
48.43	6.195	HI2D	Trujillo City, D.R.	5:10-7:10pm. (Sun 7-11am, 3-8pm)
48.47	6.19	TG2	Guatemala, Guatemala	6-11pm ex. Sat/Sun; Sat 6pm-1am;
V48.47	6.19	HILA	Santiago, D.R.	10:40am-1:40pm, 6:40-9:40pm.
48.60	6.172	XXXA	Mexico D.F., Mexico	8:30-10:30am, 2:40-4:30, 7pm-midnight, or later.
B48.73	6.156	YV5RD	Caracas, Venezuela	3:30-10pm; Sun 8am-10:30pm.
X48.78	6.15	HI5N	Moca City, D.R.	6-7am, Noon-2pm, 6-9:30pm.
48.78	6.15	VPB	Colombo, Ceylon	7-11am, or later.
48.78	6.15	ZP14	Villarica, Paraguay	4-6pm.
V48.78	6.147	CJRO	Winnipeg, Canada	Saturdays only irregular. *
48.82	6.145	HJ4ABE	Medellin, Colombia	9:30am-1pm, 5-11:30pm.
S48.86	6.14	W8XK	Pittsburgh, Penna.	11pm-1am.
48.86	6.14		Leopoldville, Belgian Congo	Sundays 5:35-7am.
48.88	6.137	CR7AA	Laurenco Marques, Moz.	12-1, 4-6:30, 9:30-11am.
S48.93	6.132	VE9HX	Halifax, N.S., Canada	Heard best Sundays 7-9pm. *
V48.94	6.13	VP3BG	Georgetown, B. Guiana	9-10am, 2:15-6:30pm; Sun 5:30-11:30am, and 3-05pm.
48.94	6.13	LKJ	Jeloy, Norway	10:30am-5pm.
48.94	6.13	COCD	Havana, Cuba	10am-11pm; Sun 10am-9pm.
V48.98	6.125	CXA4	Montevideo, Uruguay	8am-noon, 2-10pm.
49.00	6.122		Noumea, New Caledonia	Tues/Sat 3-4:30am.

49M

V49.00	6.122	HP5H	Panama City, Panama	6-10pm; to mid. irreg.
S49.02	6.12	W2XE	Wayne, N.J.	11:30pm-12:30am to S.A.
49.02	6.12		Helsinki, Finland	12 mid-5pm.
B49.04	6.117	XEUZ	Mexico D.F., Mexico	9am-1pm, 7pm-2am.
S49.10	6.11		Bangkok, Siam	Wednesdays 6:30-10:15am. *
49.11	6.108	HJ6ABB	Manizales, Colombia	5:30-10pm ex. Sun; Sat to 11pm.
S49.18	6.10	W3XAL	Boundbrook, N.J.	9pm-1am. to S.A.
S49.18	6.10	W9XF	Chicago, Illinois	1-2am.
V49.18	6.10	YUA	Belgrade, Yugoslavia	1-3, 6:30-8:30am, Noon-6:30pm.
49.20	6.097	ZRK	Klipheuvell, So. Africa	11:45am-4pm; Sun Nn-3:20pm.
49.20	6.087	ZRJ	Johannesburg, So. Africa	11:45pm-11:30am.
XJ49.30	6.085	XECU	Guadalajara, Mexico	Evenings irreg.
49.32	6.083	VQ7LO	Nairobi, Kenya	6-6:30am, 11:45am-2:45pm etc.
49.33	6.081	YV1RD	Maracaibo, Venezuela	5-10pm.
49.37	6.077	OAX4Z	Lima, Peru	7pm-1:30am ex. Sundays.
49.39	6.073	HJ3ABF	Bogota, Colombia	7pm-Mid. except Sundays.
49.40	6.072	OER2	Vienna, Germany	9am-5pm; Sat to 5:30pm.
49.42	6.07	CFRX	Toronto, Canada	6:30am-11pm; Sun 10am-11pm.
49.46	6.065	SBO	Motala, Sweden	4:15-5pm.
S49.50	6.06	W3XAU	Philadelphia, Penna.	Tues/Fri/Sun 1pm-mid; Wed 1-10p
S49.50	6.06	W8XAL	Cincinnati, Ohio	6:45-8pm; 11pm-2am; Su 8am-8pm.
49.53	6.057	ZHJ	Penang, S.S.	6:40-8:40am ex. Sundays.
49.56	6.053	HJ6ABA	Pereira, Colombia	9am-noon, 6:30-10pm.
49.63	6.045	XETW	Tampico, Mexico	7-11pm.
SV49.65	6.042	HJ1ABG	Barranquilla, Colombia	11am-11pm; Sun 11am-8pm. *
S49.67	6.04	WLXAL	Boston, Mass.	Mon/Wed/Fri 7-8:45pm.
49.67	6.04	TGWB	Guatemala, Guatemala	7:40-8:40am, 12:45-3:30, 7pm-12:30am; Su 10:30am-12:15am.
S49.67	6.04	W4XB	Miami, Florida	1-3, 9pm-mid; Sun 4-6, 9pm-mid..
B49.73	6.033	HP5B	Panama City, Panama	10:30am-2, 6-10pm.
49.75	6.03	VE9CA	Calgary, Alta, Canada	10am-2am.
49.75	6.03	HVJ	Vatican City, Italy	2-2:15pm.
49.75	6.03	RV59	Moscow, U.S.S.R.	5-6, and 10-11pm irreg.
S49.75	6.03	OLR2B	Prague, Czechoslovakia	Wed/Thurs 4:40-5:10pm.
49.81	6.023	XEUW	Veracruz, Mexico	10pm-1am.
49.83	6.02	DJC	Zeesen, Germany	10:40am-4:25pm to Africa.
VX49.86	6.017	HI3U	Santiago, D.R.	4:40-9:40pm ex. Sundays.
X49.88	6.015	PRA8	Pernambuco, Brazil	4-9pm.
49.90	6.012	ZHO	Singapore, S.S.	5:40-9:40am; Sat 5:40-9:10am.
S49.92	6.01	OLR2A	Prague, Czechoslovakia	Same as OLR2B (6.03)
49.92	6.01	CJCX	Sydney, Nova Scotia	7am-1:30, 4-8:30pm. (week.
S49.92	6.01	9MT	S.S. Kanimbla	7-7:30am two or three times a-
49.94	6.007	XYO	Rangoon, Burma	Heard 9-9:45am irreg. (am-3:30p
49.94	6.007	ZRH	Roberts Heights, S.Afr.	11:45pm-12:45am, 5-7:30am, 10
49.94	6.007	ZRJ	Klipheuvell, So. Africa	3:30-4pm.
V49.95	6.005	CFCX	Montreal, Canada	6:45am-mid; Sun 10am-11pm.
V49.95	6.005	HP5K	Colon, Panama	7-9am, 12-1pm, 6-11pm.
49.99	6.002	CXA2	Montevideo, Uruguay	7:30-10:30pm.
50.00	6.00	XEBT	Mexico D.F., Mexico	10am-1:45am.
FJ50.08	5.992	COCO	Havana, Cuba	7:55am-midnight.
X50.08	5.99	HJ3ABX	Bogota, Colombia	5:30-11:30pm; Sun 6-11pm.
50.20	5.977	CS2WD	Lisbon, Portugal	2:30-5:30pm; Sun/Thur 6-7am.
50.21	5.975	OAX4P	Huancayo, Peru	9-11pm. (9:30pm.
50.25	5.97	YV5RC	Caracas, Venezuela	4-10pm; Sun 8:30-11:30pm, 3:30-
FJ50.38	5.955	HH2S	Port-au-Prince, Haiti	7-11pm ex. Sundays *
50.51	5.94	TG2X	Guatemala, Guatemala	4-6, 10pm-midnight.
50.55	5.935	YV1RL	Maracaibo, Venezuela	11am-1pm. 4:30-10:30pm.
50.73	5.913	YV4RH	Valencia, Venezuela	5-9:30pm.
50.81	5.905	TILS	San Jose, C.R.	Noon-2:30pm, and 6-11pm.
50.85	5.90	ZNB	Mafeking, Bechuanaland	1-2:30pm; 6-7:30am ex. Sunday
V50.89	5.895	YV3RA	Barquisimeto, Venez.	5:30-9:30pm ex. Sundays.
SX51.07	5.875	HRN	Tegucigalpa, Honduras	7-10:30pm. *
51.24	5.855	HI1J	San Pedro, D.R.	11:40am-1:40pm, 6:10-8:40pm.
SX51.32	5.845	YV1RB	Maracaibo, Venezuela	10:45-12:40pm, 4:30-10:30pm- *
C51.41	5.835	YV5RR	Caracas, Venezuela	6:30-7:30, 10:30am-1:30-3:30-10

BROADCAST STATION NEWS

AUSTRALIA **NEW:** 2MG (1450), 100w, Mudgee, NSW, now on regular sked. ABC xmr. 2CY (850), will be on air in Oct; 5RM will then move to 810kC...3GL (1350), Geelong, will soon increase power to 500w.

CANADA CBC's 4th 50kW xmr., near Watrous, Sask., will soon be on the air. The 5th 50kW xmr. will be located on Lulu Isl., near Vancouver, B.C.

CHINA **NEW:** XQHK (1380), 100w, Shanghai... Be lieved to be off air: XHHV, XHHX and XLHM...XOJD (900), 10kW, Shanghai, closes down at 9:15am EST.

CUBA **NEW:** To be on the air soon: CMHO (1250), 500w, Sagua la Grande; CMBF (1090), 1kW, Havana, and CMKZ (1430), 125w, Palma Soriano... Power of CMHB (1240), is to be raised to 200 watts.

EL SALVADOR **NEW:** YSP (780), 50w, "La Voz de Cuscatlan, now on the air.

FINLAND Stations in operation: Helsinki I (895), 10kW...Helsinki II (1522), 200w...Joensuu (310), 1kW...Kuopio (253), 700w...Lahti I (166), 150-200kW...Oulo (431), 10kW...Pietarsaari (1500), 250w...Pori (749), 1kW...Sortavala (776), 200w...Tampere (1348), 700w...Turku (1429), 500w...Vassa (1420), 10kW...Viipuri (527), 10

HOLLAND A 125kW station to operate on 722kC, will be erected by the government, near Jaarsveld. This will be one of the most modern xmtrs. in Europe

ICELAND "Radio Reykjavik" (208), is now radiating a power of 100kW.

INDIA Stations in operation: VUD (886), 20kW, Delhi, operates daily 1:30-3:30, 7:30am-12:30, 8:30-10:30pm...VUB (1231), 1kW, Bombay...VUM (1420), 250w, Madras...VUC (810), 1kW, Calcutta...VUL (1086), 5kW, Lahore, and VUV (1022), 5kW Lucknow, operate daily 8am-12:30pm EST...VUP (1500), 250w, Peshawar. -(NRC)

MEXICO **NEW:** XEQ, "Radio Americana," Mexico D.F. will be on the air soon

N.Z. **NEW:** 4YZ (680), 5kW, inaugurated at Invercargill, on Aug. 2...2YH (820), 5kW, is testing. . . 1ZB (1070), Auckland, has a special dx broadcast the first Friday in each month at 8:30am EST. (Oct. 7-Nov. 4-Dec. 2, etc.). Reports are urgently requested from all overseas listeners (Forest, Niven)

POLAND **NEW:** The new 50kW xmr. at Baranowice (520), is testing.

SIAM HS7PJ (825), Sala Daeng, Bangkok, closes down daily at 10am; English news session Sundays 8:45-9am EST (Forest, Breen, Niven) (Saito)

TAIWAN A new high-power station is under construction at Taihoku (A.

U.S.A. **NEW:** WGKV (1500), 100w, Charleston, W.Va...WSTP (1500), 100w, Salisbury, N.C...WJHL (1200), 100w, Johnson City, Tenn...WRAL (1210), 100w, Raleigh, N.C...KWEV (1500), 100w, Hobbs, N.M. . . **CHANGE IN CALLS:** WGVA (formerly WIBC)

Indianapolis, Ind...KOME (formerly KTFL), Tulsa, Okla...KSAN (formerly KGGC), San Francisco, Calif. . . **CHANGE IN FREQUENCY:** WDAE, Tampa, Fla. to 780kC...WRBL, Columbus, Ga. to 1330kC. . . WKAT (1500), Miami Beach, Fla. to 250w. . .

After 4 weeks of tests the new 50kW xmr. of KNX, at Torrance, Calif., was officially inaugurated on Sept. 16. This is one of the finest installations in the world and is directly linked with KNX's new \$1,750,000 studios.

"PARADE OF THE STATES"

For the first time in the history of dx'ing, radio fans throughout the country will have an opportunity, during the 1938-39 season, to tune for special programs from broadcasting stations of their own selection, under a plan sponsored by the publishers of RADEX.

This plan, known as the "Parade of the States", provides that all dx'ers submit their votes for the most desired station in each state and territory. The stations receiving the greatest number of votes will be ask

ed to broadcast and interfering stations will be asked to stand by. Send a postal card now to The Radex Publishing Co., 289 Queen Anne Road, Teaneck, N.J., showing your choice of stations.

BROADCAST BAND RECEPTION IMPROVING

"Looks like a good season ahead", says L. Sawyer of Woodstock, N.H. "WKAQ and WNEL can be heard as early as 6:30pm EST. On Sept. 6, at 4:45am, a station on 1500kC, was heard with a dx program but QRM was so bad from WJBK I couldn't get call. Who can identify



ANNOUNCER'S DESK IN BBC'S FOREIGN-LANGUAGE STUDIOS

International

Published Monthly Excepting July



THE GLOBE CIRCLER

 BLOOMINGTON, ILLINOIS, U. S. A.

Ax'ers Alliance

CHARLES A. MORRISON
EDITOR

Volume 6

October, 1938

Number 9

EDITORIAL

Time marches on! The Globe Circler has had its face lifted. We hope you like the new cover, and size. Further improvements are planned. Can't tell you yet, its a secret; but we are working hard to give you a more snappy, attractive, useful magazine. Are YOU working hard to line up those new IDA members. I've got a whole extra box full of Globe Circlers here, that are yours for the asking-as long as they last- to send to your radio correspondents and friends whom you would like to see in IDA, or if you give us the names we will mail them out for you.

WANTED AT ONCE: a new editor for Ama-Touring to replace capable Ralph Gozen who is forced to relinquish this post due to business pressure.

--The Editor--

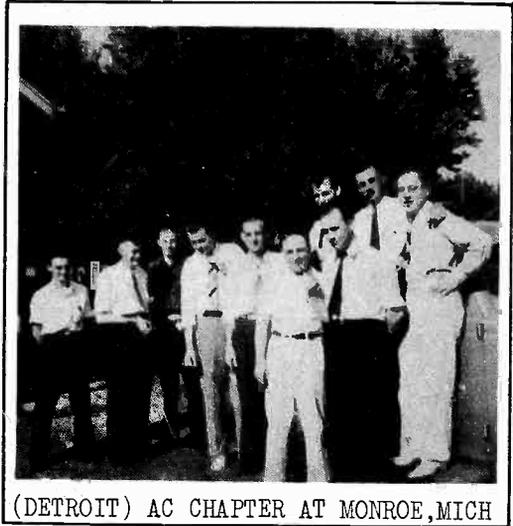
NEW MEMBERS

E. Payette, Monroe, Mich...W. Ansell, Brisbane, Qsld., AUSTRALIA...E. Danielson Jr., Pawnee City, Neb...R. Dissinger, Lawrence, Kans...M. Horlick, Youngs town, Ohio...A. Bowen Jr., Center Line, Mich...R. Baker, London, ENGLAND...K. G. Schram, Ripon, Wis...J. Thewlis, Los Angeles, Calif...E. Page, Los Angeles, Cal...L. McNamara, Los Angeles, Calif...M. Daskam, Los Angeles, Calif...Amateur W6OI, D. Crabtree Jr., Martinez, Calif...Amateur WG1KQ, F. Caldera, Oakland, Calif...R. Ritchie, Beverly, Mass.....Miss J. M. Neilson, Baltimore, Maryland.

IN MEMORIAM

In a North Bay, Ontario, hospital for more than six years with a broken back, IDA member D. Cantwell, died Sept. 9. Although injured in a rock slide while working on the trans-Canada highway near Bonfield in April, 1932, and from that time on paralyzed from the waist down, he was until the last an active and cheerful dx'er, whose courage and grit could well be an example for all of us to try and live up to.

L. Harbin of Chaguanas, has been appointed IDA Rep. in TRINIDAD, B.W.I.



(DETROIT) AC CHAPTER AT MONROE, MICH

CHAPTERS

REGINA JUBILEE (Regina): August social meeting was held at home of Mrs L. Baird, and plans were made for starting a dx competition, and membership contest in Sept... On Monday, Sept. 5, extensive aerial tests were conducted by members at the home of Wm. Ansell. The following types were tested: vertical, inverted L, half-wave doublet, G.E. Doublet, V doublet Carl Whitehouse, revolving type, self active beam and the T type.

SO. CALIF. CHAPT. (Los Angeles): 20 were present at the Aug. 27, meeting at the home of Aug. Balbi. An Executive Committee consisting of A. Balbi, chairman; G. Daskam, and W. Britting was elected. Since the chapt. has grown so large it was decided to arrange for permanent meeting quarters. SCC has decided to join the NAPRI as a body. The SCC Singleton/Eliminator Contest is going along nicely.

WINDY CITY CHAPT. (Chicago): Meetings are being held on the 2nd Wednesday of each month, at 8pm, at the Central YMCA, 19 S. La Salle. All dxers in the area are not only cordially invited, but urged to attend these interesting meetings. An active campaign for members has been started.

BETA (New York): Contact Ed. Goss, 812 Prospect Place, Brooklyn, for news concerning dates of fall meetings.

RETURN POSTAGE BUREAU

Mint stamps now available from the Return Postage Bureau, 35 Francisco Ave., Rutherford, N.J., to be used in prepaying return postage on QSL, or SWL cards are as follows:

- 3¢ ea: Canada, Cuba, Mexico, D.R.
 4¢ ea: Belgium, Chile, England, IFS, North Ireland, Scotland, Wales, Switzerland.
 5¢ ea: Antigua, Barbados, Colombia, Labrador, C.R., D.E.I., Egypt, Haiti, Jamaica, Newfoundland, Panama, Philippines, Salvador, Trinidad Uruguay.
 6¢ ea: Br. Honduras, Denmark, Roumania, New Zealand, Poland.

I. D. A. EXCHANGE CORNER

J.P. Gawal, 96 Jewett Pkwy, Buffalo, N.Y. (swap SWL cards and photo's 100%)... K. Nelson Jr., Haddonfield Road, Palmyra, N.J. (swap SWL cards especially foreign; will pay cash for a good buy in a 1937 or 38 model Sky Buddy)... L. Harbin, Chaguanas, Trinidad, B.W.I. (swap letters, stamps, post card views, and SWL cards 100%)... W. H. Stark, 2117 N. 62nd St., Wauwatosa, Wis. (swap letters)... J.S. Rossignaud, 60 Ridolfo St., Sliema, Malta (swap SWL cards).

INTERNATIONAL ROUND TABLE

If you like to write to dx'ers in foreign countries you will want to join the Pen Knights of the International Round Table, organized by member W.H. Stark of 2117 N. 62nd St., Wauwatosa, Wis. There are no dues, nor obligations, just a friendly club of dx'ers who enjoy exchanging views, dx notes, photographs, magazines, SWL cards, etc.

FORWARD AGAINST MAN-MADE INTERFERENCE

Doesn't it always happen: after waiting patiently for an hour to identify that mystery station, and the announcement is about to be given in English, that blasted oil burner, heat ing pad, Xray machine, or vacuum cleaner starts up and completely blots out the station.

How long are we radio listeners (the dx group alone numbering countless thousands) going to allow our hobby to be spoilt, our tempers to be ruined, our expensive equipment to be rendered practically worthless?

The NAPRI (National Association for the Prevention of Interference), IDA local chapters, and other groups have contributed noble efforts in eliminating the QRM menace in many

metropolitan areas, but how about the listener in the remote town, or the isolated district? The time has come for us to act as a body, for us to throw off the tentacles of this octopus that threatens not only our hobby, but almost the whole industry. We will get nowhere if we "wait for George to do it". IDA members, other dx'ers, journalists, manufacturers lets eliminate this NUISANCE from the U.S.A. WRITE, and get all of your friends to write, to your Congressman and to your Senator and urge passage of the National Bill for the Prevention of Interference, which shelved last session of Congress will be brought up again this session. Show your further displeasure by squawking verbally- and in writing- to your local city council, Utilities Company and radio station.

LET'S DO SOMETHING ABOUT THIS.

Charles A. Morrison

"SPATARI"—THE NEW RADIO LANGUAGE

Already in use by many Latin stations- "SPATARI", a new, unique, and effective radio language may soon be used universally by short-wave stations, amateurs in foreign QSO's, dx'ers in writing foreign stations, and by countless others who have tried in vain to communicate with some one speaking in an unfamiliar tongue.

SPATARI is a simple and ingenious code language, each phrase of which expresses a complete thought of many words. SPATARI is not 'learned' nor memorized. It is a spoken code language with which anyone can, after a few minutes of intelligent study, receive and transmit messages covering the entire range of daily activities.

SPATARI is based upon the 8 names for the notes of the musical scale, namely, DO, RE, MI, FA, SO, LA, SI, and BO, which pronounced the same in practically every language have been combined into countless word forms, each in a very definite, logical and yet absurdly simple sequence. You should become acquainted with SPATARI as it will be daily becoming more prominent. Such stations as H14V YV3RD, YV6RB, YV2RA, PRADO, HC2CW, HJLABE and TG2 are using it experimentally. IDA broadcasts will feature messages in SPATARI.

The creator, modest music teacher, and IDA member, Prof. Carlo Spatari of 27-20 25th Ave., Astoria, N.Y., will gladly furnish anyone writing him in formation about SPATARI, or the SPATARI code book.

BROADCASTING STATIONS OF BRAZIL

KCS	WATTS	CALL	LOCATION	KCS	WATTS	CALL	LOCATION
580		PRC3	Pelotas	1170	500	PRC9	Campinas
580	950	PRG5	Santos	1170	500	PRE5	Uberaba
590	250	PRG7	Jahu	1200		PRB6	S. Paulo
600	25000	PRH2	. . . . .P. Alegre	1220	25000	PRA8	.Rio de Janeiro
630	250	PRD6	Piracicaba	1260	5000	PRA5	S. Paulo
670	500	PRA7	R. Preto	1260	25000	PRG3	.Rio de Janeiro
670	2000	PRC5	Belem	1300	3000	PRH6	B. Horizonte
680	5000	PRC2	P. Alegre	1320	1000	PRD3	Niteroi
690	250	PRD7	Sorocaba	1320	500	PRD9	S. Paulo
690		PRC7	B. Horizonte	1320	2000	PRE6	Fortaleza
690	250		Rio Preto	1320	500	PRH4	S. Paulo
720	25000	PRA8	. . . . .Recife	1340	5000	PRE4	S. Paulo
740	10000	PRA4	. . . . .S. Salvador	1360	50000	PRC8	Rio de Janeiro
760	10000	PRA6	. . . . .S. Paulo	1370	250	PRC4	Blumenau
800		PRA2	Rio de Janeiro	1370	250	PRI2	Marilia
840	5000	PRH9	S. Paulo	1400		PRD5	Rio de Janeiro
860	10000	PRA3	.Rio de Janeiro	1410	5000	PRE7	S. Paulo
880	22000	PRI3	. . . . .B. Horizonte	1420	2000	PRB2	Curityba
900	5000	PRB7	Rio de Janeiro	1430	5000	PRE2	Rio de Janeiro
940	10000	PRF4	. Rio de Janeiro	1440	3000	PRF9	P. Alegre
960	5000	PRF3	S. Paulo	1440	500	PRG6	Cruzeiro
980	20000	PRE3	. Rio de Janeiro	1440	250	PRG8	Bauru
1000	10000	PRB9	. . . . .S. Paulo	1450		PRB4	Santos
1040	10000	PRG2	. . . . .S. Paulo	1450	250	PRH5	Pocos de C
1060	10000	PRD2	. Rio de Janeiro	1460	250	PRF2	Rio Claro
1080	10000		. . . . Joao Pessoa	1460	250	PRF7	Campos
1090	500	PRD4	. . . . .Araquara	1470	1000	PRE6	Niteroi
1100	20000	PRG9	. . . . .S. Paulo	1470	250	PRG4	Jaboticabal
1120	5000	PRH9	. Rio de Janeiro	1480	250	PRB5	Franca
1160	5000	PRH3	. . . . .S. Paulo	1480	1000	PRD3	Petropolis

I. D. A. INTERNATIONAL FRIENDSHIP PROGRAMS

- Oct. 14/15/16/17, 7-7:30am EST, M/V "Kanimbla" 1kW 6010KC 9MI
- Friday, Oct. 14, 1:30-7:15am EST, Norfolk, Nebraska 1 1060 WJAG
- (7) Saturday, Oct. 15, 3-4am EST, Rio de Janeiro, Brazil 10 1060 PRD2
ADDRESS: Radio Cruzeiro Do Sul S/A; Filial do Rio de Janeiro.
- (8) Saturday, Oct. 22, 10-11:30pm EST, Guatemala, Guatemala (9635 TCWA
NOTE: 10-11pm, concert by Orquesta Progresista (6040 TGWB
NOTE: 11-11:30pm, marimba concert. (5 1520 TGW
- (10) Sat. Nov. 6, to Nov. 12, inclusive, daily 3-4am EST, 25 1040 PRG2
ADDRESS: Radio Tupi de Sao Paulo- PRG2, Rua 7 de Abril, 62/66 -
3º Andar, Sao Paulo, Brazil. Announcements in English.
Thurs., Nov. 17, 2-2:30am EST, Cincinnati, Ohio 500 700 WLW
NOTE: Lutheran program. Write to Pastor Barth, C/o WLW. 6060 W8XAL
- (13) Tues., Nov. 22, 9-11pm EST, Guayaquil, Ecuador 6635 HC2RL
ADDRESS: Dr. Roberto Levi, Mgr. of HC2RL, Quinta Piedad, Calle-
Luque Nos. 106-116 - Casilla 759, Guayaquil, Ecuador
- Thurs., Nov. 24, 9-10pm EST, Heredia, Costa Rica (NRC) 9695 TI4NRH
- (14) Saturday, Dec. 4, Bucaramanga, Colombia 9630 HJ7ABD
- (16) Saturday, Dec. 18, 1-2am EST, Madrid, Spain 10 1095 EAJ7
ADDRESS: Radio Union Madrid, Apartado 745, Comité de Control Obrero.
- (19) Sunday, Jan. 8, 1-2am EST, Strasbourg, France 100 859
ADDRESS: Radio Strasbourg, Radiodiffusion Nationale; 30, Rue Du-
22-Novembre, Strasbourg, France.
- Sunday, Jan. 8, (time undecided) Zeesen, Germany 6020 DJC
- (21) Sunday, Jan. 22, 3-4am EST, Guatemala, Guatemala 1310 TGI
- Monday, March 20, 12:01-1am EST, San Salvador, El Salvador 7894 YSD

NOTE: We urge that you listen to these special International Friendship programs, and drop a report or at least a word of thanks to each. - (Director, Herbert Tucker, 57 Kenilworth Drive, Akron, Ohio)