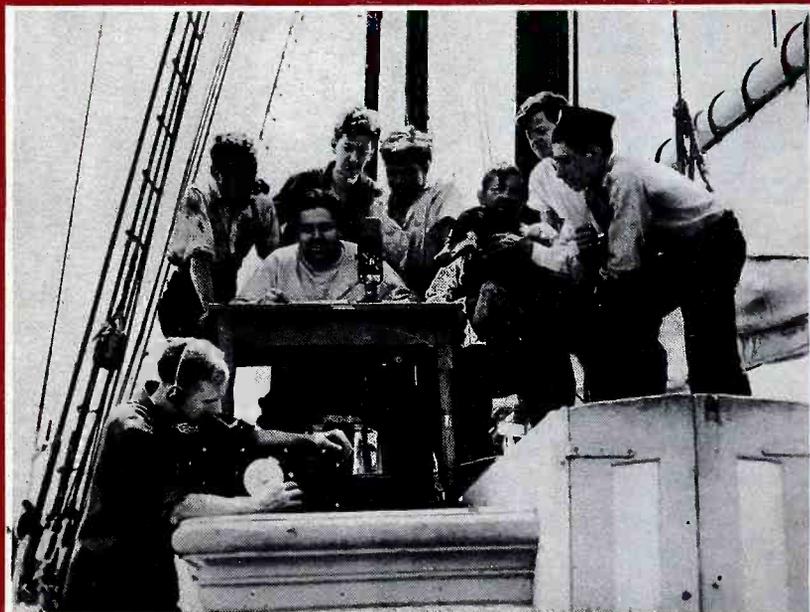


# THE GLOBE CIRCLER

FEBRUARY 1938



COMMANDER CLIFFORD J. MCGREGOR AND MEMBERS OF HIS ARCTIC EXPEDITION, ABOARD THEIR SCHOONER, GENERAL A. W. GREELY, ANCHORED OFF REINDEER POINT, GREENLAND.

ONE  
DIME

## INTERNATIONAL DX'ERS ALLIANCE

"DOWN CLARENCES' SKY-WIRE"

SHORT-WAVE VIC/VAC HONOR ROLLS

DX BROADCASTS FROM MOROCCO

BROADCAST BAND DX NOTES

SHORT-WAVE NOTES AND LIST

# 2 Short-Wave News

Editor-in-Chief, C. Morrison; Amateur Editor, R. Gozen; Freq. Checking Editor, R. B. Oxrieder.

INTERNATIONAL IDA PROGRAM  
SATURDAY, MARCH 26, 10:45-11:45 P.M. EST.  
YV1RB, 5.845MC, MARACAIBO, VENEZUELA  
(See page 13 for other broadcasts)

**REMARKABLE COMMUNICATIONS RECORD:** On Jan. 4, between 8:18/20 and 8:21/30 a.m. EST, an incredible world's record was established, when amateur members of the "All-Continents Round Table," presided over by Bill Burkhart, W1DLH, Goulds, Fla., and including VU2CQ, Bombay, India G5ML, Kenilworth, England; HK5AR, Cali, Colombia SULKG, Alexandria, Egypt, and VK4JU, in Brisbane Australia, passed a message of greetings, completely around the world twice, touching all continents enroute, and travelling a total distance of 54,100 miles, in exactly 3 minutes and 20 seconds. To accomplish this remarkable feat, weeks of preparation, split-second timing, and perfect operating efficiency were necessary. Our sincere congratulations to those participating in this historic radio achievement- Ed.

**ULTRA SHORT-WAVE NEWS:** ACC DETROIT CHAPTER OF IDA, through courtesy of the DETROIT NEWS, is now sponsoring an interesting weekly program of radio and dx tips and news, over APEX STATION W8XWJ (31.6), of DETROIT, on THURSDAYS, at 10:15 P.M. EST. Members are invited to submit reports, and tips to above station, c/o International Dx'ers Alliance. Special souvenirs for foreign reports. Here's where our club can aid in pioneering the uncharted high-frequency ether lanes. . . . Starting in an early issue of the G. C. we will feature a new department, entitled "ABOVE 30 MEGACYCLES," by world-famous high-frequency listener, experimenter and writer, Clyde Criswell. . . . A NEW FREQUENCY EXPANDER has just been placed on the market that will extend the range of any good all-wave super from 27.8 to 70 megs. Write to us for information- Ed.

The DSW degree has been conferred upon Wm. Ansell, Jas. Maguire and R. Schoel. Tom McCormack is now eligible for the DSW degree.

To receive MARCH AMA-TOURING, send at least one item for it, and a stamp to R. Gozen, 1 Richfield Ave., Yonkers, N.Y., before March 1. . . The improved Ama-Touring, with type-set head, and pages suitable for notebook insertion, contains such regular features as: Aerials for Amateur Reception; Discussion of various Receivers; Non-Qsling Hams List; Jottings; Power Ratings; QRA'S; Special Amateur Broadcasts, and Contests; Reception notes for all Bands, and Last Minute Notes.

**DEADLINE** for MARCH G.C.-FEB.15; for MARCH STOP PRESS SHEET.-FEB.26.

It is **IMPERATIVE** that all SW 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 and addresses; identifying signals, and unusual receptions. **RUSH** important items by fastest mail. **FOUR STAR** items denote exceptional merit. **A FIVE STAR ITEM PAYS CONTRIBUTOR \$1.00 IN CASH.**



DX CORNER OF S. BARNETSON, NORTH CALGARY, ALTA, CANADA

EST) NORTH AND CENTRAL AMERICA (EST  
ALASKA Amateur K7PQ (14.25), Ketohikan, being heard near 8:45pm.

CANADA The C.B.C. now verifies reception reports (Graham, Schrock) Dec. 30, 11-11:15pm (Herzog). . VCB (12.88), Nottingham Isl., heard phoning VE5FX, Chesterfield, N.W.T., at 5:45pm (\*\*Lebouef)

COSTA RICA A new 500w xmtr. for T14NRH (9.7), "The Voice of Costa Rica," at Heredia, inaugurated on Jan. 1, is operating Tues/Thur/Sat, 9-10 pm, and Sundays 7-9am EST. Reports, by air-mail if possible, are requested, each of which will be answered personally by the owner, and IDA member Amanda Cespedes Marin, who will celebrate the 10th anniversary of T14NRH's coming on the air next May 4, by a gala broadcast.

(\*Balbi, Messer, Reinhard, RBO, Eders, Campbell, Ambrosius, DeMent, Walcott, Shaffar, Powers, Miss Smith, CAM)

CUBA CMA5, Havana, heard testing with New York, on new freq. of approx. 7.75 . . . LATEST CUBAN FREQS: COCA, variable, near 9.1; COBC, reported as high as 9.99; COCQ still drifting between 9.7 and 9.8; COKG variable, near 8.965mc. Also heard on 5.64mc. Sked 1s 5-6pm, 9:30-10:30 pm, and Sundays 12:01-1am (\*Velasco, Ambrosius, Gallagher, Brewer, RBO)

CURACAO PJG1, Willemsted, now operating on 5.94mc (RBO, Olthoff)  
D.R. HIG, Trujillo, being heard on 9.29 and 6.29mc (RBO); HIL, Santiago, operates irreg. from as early as 5:20 to as late as 10:10pm (Schrock); NEW: HI8J (6.388), being heard between 5 and 6pm (\*RBO)

EL SALVADOR Reports to YSD should be sent to Victor M. Escobar, Direccion General de Telefonos, Telefonos y Radio Nacionales, San Salvador.

GREENLAND OX2QY (14.368), the MacGregor Arctic Exped., at Reindeer Point, being heard irreg., 7 to 9pm. Station is often weak or inaudible due to aurora borealis. WLOXAB (12.862 or 8.655), contacts WEL (8.95), irreg. in evenings for relay of programs to NBC (Shaffar, Legge, LA)

GUATEMALA TGWA, Guatemala, operates on 15.17mc, 12:45-1:45pm, and irregularly as late as 6pm (RBO). TGWA broadcast IDA program of Jan. 13, on 11.76mc. Reception was poor to fair. (Jackson, Campbell, CAM, Balbi, Gunn) . . . TG2, back on air, on 6.21mc, is operating irreg. from as early as 6:30 to as late as 1am (RBO, Hartzell, Graham, Schrock, Velasco) . . . A NEW station will soon be inaugurated at Xelaju (Quezaltenango) (\*Gunn)

HAITI HH2S, Port-au-Prince, jumping about near 5.89mc. Station has been signing off at 10:50pm (Velasco, RBO, Olthoff)

HONDURAS Commercial xmr. HRI, Rosario, is heard occasionally near 5.65mc (RBO) . . . NEW: HRK-2A (5.71), announcing frequently in Spanish, is being heard irreg. from 8 to 10pm. Reports should be sent to HRK, "Radio Nacional," Tegucigalpa (\*\*Legge, Radio Guia)

MARTINIQUE "Radio Martinique," Poste Seri, Boite Postale 136, Fort-de-France, power 200w, is verifying by letter at present, but state QSL cards will be sent as soon as they are received. Frequency given as 9.7, but station is actually on 9.685mc (\*Legge, Stark, Rockwell, Kramer)

MEXICO "Radiodifusora del Pueblo" is an unlicensed station at Madero 204, Guadalajara, Jalisco, which broadcasts nightly to 11pm on 7.1mc (\*Velasco, Herz, Graham); XEEF (6.09), 100w, Insurgentes #34, Jalapa Vera, operates irreg. noons, and evenings to 10pm (\*Velasco); XECU (6.075), 45w, Hidalgo 579, Guadalajara, Jal., operates evening to 11pm (Velasco, Schrock); XEME, Merida, being heard again, near 7.05mc (Velasco); XEPW, which recently changed call to XEGW, off air at present (Velasco); XETW (6.045), Tampico, operates weekdays 11:45am-11pm, and on Sun. 11:45-5pm (Velasco); XEUW, Veracruz, has moved up to 6.023mc to get out from under DJC (RBO, Schrock) (RBO)

NICARAGUA YNLG, Managua, is variable near 6.62mc at present (Schrock, PANAMA)

PANAMA HP5B, Panama City, on 6.033mc, at least part of time, apparently to avoid QRM from OLR2B (RBO); HP5H (6.122), now being heard 6-10pm, since HJ3AEX vacated channel (Tate, RBO); George Williams, excellent broadcast for the IDA from HJ5J, Panama City, on Jan. 8, was almost completely ruined by QRM from RAN. HJ5J's frequency was calibrated as 9.601 to 9.602mc during this period (CAM, Brewer, Jackson, Campbell, Gunn)

ST. KITTS NEW: VP2LO (6.384), made first tests on Dec. 18, and may be heard frequently between 4:30 and 5:30pm testing with VP6TR, or other stations. Reports should be sent to ICA Radio Sales & Service, P.O. Box 88, Basseterre, St. Kitts, British West Indies (\*\*RBO, Peterson)

U.S.A. A.T. & T., New York City, has been granted licenses for two 50w xmtrs. to operate on 2.726, 8.54, 12.81, or 17.09mc, to supplement, or replace, wire services in case of floods, earthquakes, or hurricanes. . . WIEA (4.41), S.S. Manhattan, 400w, heard while in English Channel. Address is W. J. Kirchhoff, chief opr., Pier 59, North River, New York City (\*Legge-Penna) . . . See list for revised sked for W2XE; W2XGB, Hicksville, N.Y., now testing irreg. on 8.655mc in evenings (Clein, Kramer); NEW: CALL W6XBE has been assigned new 20kW G.E. xmr., now under construction near Belmont, Calif., and which will share time with Schenectady xmtrs. on 9.53 and 15.33mc's when completed (FCC); See list for revised sked for W8XK; Amateur W9BSP (1.903), Olathe, Kansas, 1kw, is broadcasting amateur code, and theory, lessons nightly 8:30-9:45pm (\*Schrock) . . . WWV's 10 megacycle tone heard at 10am, 6pm, 9pm and midnight, is excellent for calibrating a receiver (Herzog) . . . APEX:

4 W2XOY, Albany, N.Y., 150w, is licensed to operate on 31.6, 35.6, 38.6, and 41mc (FCC); W3XKA (31.6), 50w, relays KYW, daily 10am-11pm; W5XAU (31.6), Oklahoma City, often heard at noon (Legge-Penna); W6XKG (25.95) relays KGFJ, Los Angeles, 24 hours daily and can be heard throughout Eastern U.S.A. from 11am-6pm (CAM); W9XAZ (26.4), 500w, Milwaukee, Wis consin, operates daily 1pm-midnight (Schrock) . . . WBPD (exper. calls W9XXH-1; mobile W9XXJ-K-N), 25w, operates daily on approx. 30.1 megs, by Bloomington, Illinois, police dept. (CAM); W8XNU (25.95), 1kW, relay for WLW, will be on air by Spring . . . W1XOL (40.1), Greenwich, Conn. police, say first report from C. Criswell, of Ariz. . . W8XEK (37.1), Erie, Penna. police, issue a fine veri with a comic cartoon on it. . . W2XHG (41), NBC in N.Y. City, heard 28 days out of 31 in Dec. by Criswell (Criswell-Arz)

#### SOUTH AMERICA

ARGENTINA LRU (15.29), is broadcasting irreg. in afternoons and evenings (Herzog, Reinhard); Veri' from LR3-CXA8 (9.64), arriving in six weeks, gives address as Primera Cadena Argentina de Broadcastings-LR3 "Radio Belgrano," Belgrano 1841, Buenos Aires (\*Seele, Amers)

BRAZIL PRA8 (6.015), heard well in early evening. At 5pm EST, chimes strike 7pm, Rio de Janeiro time (\*\*Legge-Penna)

BR. GUIANA With VE9HX temporarily off the air, VP3BG, Georgetown, is coming in again, on 6.131mc (RBO); After announcing upon several different occasions that they were breaking up camp, and dismantling VP3THE, preparatory to shipping it back to New York, Hungerford and McMillan, the two home-sick explorers of the Holden Exped., finally made their last QSO from Isherton, B. Guiana, on the morning of Jan. 14, and not having been reported since, are apparently on the way home, via a 500-mile hike to Georgetown. They expect to be back in New York, Apr. 1. (\*\*DeMyer, Tully, Reinhard, Hartzell, Clein, Graham, Ambrosius, RBO, Shaffar, Legge, Herzog, Amers, CAM); VP3THE veri' was received from VP3BG (E.R.)

CHILE Correct address for CD1190 (11.913), is: C. Kaehler y Cia., Ltda., CD1190, "Radio Sur, Voz de Valdivia para todo Chile y America," Box 612, Valdivia (Gallagher); CB1170 (11.68), P.O. Box 706, Santiago, broadcasts an English program Tues./Thurs./Sat., 7-7:45pm (\*\*Amers)

COLOMBIA HJB (14.94), contacts HJR, daily; QRMS PSE on its Wed. broadcast sked (Schrock); HJLABE, Cartagena, now on 4.86mc. Send reports to Box 31 (RBO, Olthoff, Amers, Roberts); HJ2ABJ, Santa Marta, now on 4.77 (actually 4.772) (RBO, Legge); HJ3ABH, now slightly variable near 4.9mc (RBO, Herzog, Olthoff); HJ3ABX, "La Voz de Colombia," Apartado No. 26-65, Bogota, now on 6.013mc, relays HJ3ABJ (1050KC), weekdays 10:30am-2pm, 5:30-11:30pm, and Sun. noon-1:30pm and 6-11pm (\*Magnuson, Velasco, RBO); HJLABE, "Emisora Claridad," Medellin, is on 6.064mc at present (RBO, Velasco); HJ6ABC, "Ecos del Combeima," Ibague, has moved to 4.74 (actually on 4.736) (RBO); Veri' from HJ7ABD resembles an Aztec carving (Shaffar)

ECUADOR HCODA (9.44), gives address as P.O. Box 704, Guayaquil, when signing off in English (RBO); Sundays 9-9:45pm EST, HCJB (4.107, and 8.84), Quito, relays "Friendship Hour" in English. This is also relayed frequently, by HCLJB (amateur outfit mounted in truck), on 14.43mc. (\*\*Ambrosius, CAM, Roberts, Larsen); HCLTC (9.354), is being heard irreg. ularly in evenings. QRA is Theatre Bolivar, Bolivar (RBO)

PARAGUAY ZP14, "Radio Cultura, La Voz del Corayon de Sud America," Villarrica, is now on 6.15mc, according to veri, and is being heard well between 5pm and sign-off at 6pm (\*\*Rockwell, DeMyer)

PERU OAX4J (9.34), Lima, now signs off at 11pm, with closing announcements in Spanish, English and German, made while selection thought to be "The Whistler and His Dog," is being played (\*\*Ambrosius); New sked for "Radio Nacional," Lima, is: OAX4T (9.562), daily 11:30am-1:30pm (irreg. 4-6:15pm), and on OAX4Z (6.077), daily 7pm-1:30am (\*\*Bigbee, Balbi, Brewer, Steele); OAX5C, Ica, now being heard on 9.6mc (Velasco)

VENEZUELA YVR (18.3), heard phoning at 11am (Herzog); YV2RA is on 5.759mc at present, where it is QRM'ed by YNOP (RBO); YV3RD (6.465), Barquisimeto, is still testing in late evenings irreg. (Legge); YV5RF (6.38), Caracas, comes on the air weekdays at 6:30am (Graham)

#### EUROPE

SPECIAL TESTS: Amateur G2MF (14.02-14.03), Hoylelake Road, Moreton, Birkenhead, Cheshire, England, power 18w, will conduct special tests on Feb. 5 and 6, at 7am EST, and will acknowledge all IDA reports (Gozen)

ALBANIA Establishment of a Govt. owned station is rumored (Com. Bul)

AUSTRIA OER3, Vienna, now being heard on 11.79mc (RBO)

CZECHOSLOVAKIA Complete sked of Prague broadcasts is: to NORTH 5 AMERICA, Mon/Wed/Fri 8-10:35pm, over OLR2B (6.03), OLR2A (6.01) or OLR3A (9.55); news in CZECH, Sun/Tues/Thurs/Sat 5-5:15pm over OLR3A, to SOUTH AMERICA, Sundays, 6:15-8:55pm, over OLR3A; to EUROPE, daily 12:55-4:40pm over OLR2B, OLR2A or OLR3A; EXPERIMENTAL transmissions, weekdays 6:30-7:30am, over OLR5B (15.32) or OLR5A (15.23); 10:05-11am over OLR3A, and on Sundays 6-7:30am over OLR5B or OLR5A (\*Prague)

ENGLAND Arabic transmissions from Daventry, inaugurated on Jan. 3, are being broadcast daily from 12:17-1:15pm over GSC (BBC)

FRANCE In addition to the former freqs. of 6.04 and 9:55mc, the new ESSARTS xmtr. has been testing intermittently and irregularly between 6:30 and 9:30am, on 11.845, 15.13 and 17.78mc. The call TPB2 is used in connection with tests on 15.13mc (\*\*IGE, Roberts, Legge, Schrock, CAM); Unknown station on 9.035mc, near 2pm, speaks French (RBO)

GERMANY DFZ (20.02), Nauen, heard calling Buenos Aires at 7:30am (Legge); DJP (11.855) and DJO (11.795), are often used in parallel with DJC and DJD from 8-9pm (Herzog) . . . NEW: DEUTSCHE FREIHEITSSENDER (German Freedom Sender), announcing 29.8 meters, but actually heard near 9.8mc, broadcasts German program daily 4-5pm. No location given, but announcements state that reports sent to any anti-Nazi, or anti-Fascist station will reach it. This station may not be in Germany (\*\*\*Reinhard) . . . New restrictions promise solitary confinement for anyone found operating an illegal transmitter in Germany (S.W.L.)

ITALY Commercial IRF (announced 9.83, first heard on Jan. 1), is relaying 2R03 (9.635) daily, 7:35-9pm (RBO, Eders, Roberts, Ambrosius, Balbi Jackson, Shaffer, Graham, Bigbee, CAM); IQA (14.73), tested in parallel with 2R03 for awhile (RBO); Mystery xmtr. on 13.97, heard relaying 2R03, one night only (RBO)

POLAND The distinctive interval signal now being heard on the programs from SPW/SPD is a few bars from the carillon theme of the opera "The Haunted Castle," by Moniuszko (E. Radio); SPD is now verifying with an attractive brown and white card (Shaffer, Legge, Graham)

PORTUGAL CSW2 (11.04), back on the air again, is being heard daily from 3-7pm; The call for the new Catholic xmtr., "Radio Renascena, (5.997)," Lisbon, is CS2WD (\*NRC, Frost)

SPAIN EAR (9.488), Madrid, now broadcasting daily at 5pm, 7:30pm, and Mon/Tues/Thurs at 9:30pm, also Sat. in German, at 9:30pm (RBO, Balbi Reinhard); Amateur EALRN (7.01) heard at 11:35pm (Velasco)

SWEDEN Sunday sked for SBP (11.705), Motala, is 3am-1:30pm.

U.S.S.R. RWJ (12.18), Alma-Ata, or some station on about this frequency, is heard frequently broadcasting programs similar to RNE, near 11pm (\*Gallagher); RV59 (6.004-QRMing CFCX), Moscow, is broadcasting daily 4-5pm, and sometimes later (\*RBO, Steele)

VATICAN CITY HVJ, Radio Vaticano, has been testing a new xmtr. on 11.74mc and calling Madras, India, irreg. between 9:15 and 11am (\*\*Amers, NNRC, Herzog, Frost)

YUGOSLAVIA YUA, Belgrade, broadcasts a special English program to the U.S.A. on the 1st and 14th of each month, from 7-8pm and verifies same . . . YUA varies in frequency from 6.095 to 6.1 megs (\*\*Amers, RBO)

#### A F R I C A

ABYSSINIA Radio-Harrar, which will transmit in several foreign languages in behalf of the Italian cause, is almost completed (R.P.S.)

CAMEROONS French listeners report hearing the newly installed short-wave transmitter at Duella, on a frequency of 12.68mc (B.S.W.L.)

CANARY ILS. On Jan. 14, at 10pm, EABAE (7.15), was the loudest signal ever heard on the 40-meter band, from Africa (DeMyer-Michigan)

GOLD COAST-TOGOLAND Amateur ZDHAL is re-reported by ZUGP as being on the air on a frequency slightly higher than his own of 14.075mc (Roberts)

KENYA VQG (19.63), Nairobi, verified by letter in 4 months (Legge)

SOUTH-AFRICA OFFICIAL SCHEDULE of the So. African SW stations as given by the chief engineer under date of Dec. 9, follows: ZRK,

new 5kw xmtr. at Roberts Heights, near Pretoria, which was inaugurated on Dec. 1, broadcasts on 9.523mc, daily ex. Sat. 11:45pm-12:45am, weekdays 5-7:30am, and on Sundays 3:30-4:30, or 4-5am. On 6.007mc, weekdays 10am-4pm (to 4:45pm Sat), and Sundays 10:30-noon, and 12:15-3:15pm; ZRK, 5kw xmtr. at Klipheuevel, near Capetown, broadcasts on 9.61mc daily ex. Sat 11:45-12:45am, weekdays 3:20-7:20am and 9-11:45am, and on Sundays 3:30-4:30 or 4-5am. On 6.0975mc weekdays 11:45am-4pm, and on Sundays

6 noon-3:20pm; ZRJ (formerly ZTU), at Maraisburg, near Johannesburg, 200w, broadcasts on 6.0976mc daily, ex. Sat, 11:45am-12:45am, weekdays, 3:15-7:30am and 9-11:30am. On Sundays 3:30-4:30 or 4-5am, and 8-11:30am; ZRD, Durban, 10w, broadcasts on 6.15mc daily, ex. Sat. 11:45-12:45am, weekdays 3:30-7:30am, and 9am-3:45pm. On Sundays, 8-11:30am and noon-3:20pm. (Kindly preserve these schedules, as they will not be repeated in full until they are revised-Ed) . . Address reports on any of the above stations to the South African Broadcasting Corp., P.O. Box 4559, Johannesburg . . ZRK reports are being verified with a yellow card, having green lettering (\*\*SABC, Bass, Stark, Buitekant, Shaffar, Velasco, RBO, Gallagher, Herzog, Kramer, Jackson, Tully, Magnuson, Balbi, DeMyer, Moore, Steele, Graham, CAM, Pratt, Byrd, Everett, Eders, Roberts, Mrs R. Roche) . . "Have a veri' from ZTD, heard one Sunday, at 1:30pm" (\*\*Amers-Calif.)

A S I A A N D A U S T R A L A S I A

BURMA VVS (6.007/12.87), Mingaladon, Rangoon, is being heard fairly well in Calif., 9-9:45am. Signs off with "God Save the King." This station verifies promptly (\*\*Legge, DeMent, Amers-Calif)

FANNING ISL. Fred Harvy, the cable opr. on Fanning Island, writes that the amateur VQLAB, who was heard by many, giving his location as Fanning Island, is unknown there, and was a phoney (\*\*DeMyer, Powers)

HONG KONG ZBW (9.525), is again verifying all reports enclosing IRCs

JAPAN The Overseas broadcasting schedule is soon to be greatly extended. . JZL (17.785), will be used for 4:30-5:30pm overseas period starting late in March . . JZL (11.8), is broadcasting an additional period in English from 6-6:30pm daily . . JVH (14.6), being heard with loud signals intermittently throughout the evening (Ambrosius, Eders, Rockwell, Balbi, Honda, JBC)

KWANTUNG According to veri, JDY (9.925-actually 9.94), 10kW, located at Shotokugai 3, Darien, Kwantung, Manchoukuo, operates daily 7-8am. News in English at 7:45am. Director is Isao Sugiyama (\*\*Magnuson)

NEW ZEALAND ZMBJ, aboard the S.S. Awatea, is again broadcasting test programs on 8.84mc, Saturdays at 11pm, while waiting for Govt. to assign the station a regular frequency for broadcast purposes (\*\*Amers)

PAPUA Amateur VK4HN (14.3), Port Moresby, was heard on Jan. 10, at 9:07am, while he was in QSO with KALMH; faded out at 9:30am (\*Goodeve)

SIA HS8PJ, Bangkok, is again being heard Mon/Thurs 8-10am, and sometimes as early as 7:30am. Signals seem to be much louder, perhaps indicating a possible power increase (\*\*Herzog-NY, Loyd-Kans, Balbi-Cal)

SUMATRA A veri from YBB (7.87), 3kW, states that the station phones Java intermittently from 8:30pm-7am (up to now has only been heard in the U. S. A. near the latter hour however, and that all correct reports accompanied by an IRC will be verified. Address is Chief Engineer, 4th Telegraph and Telephone Dist., Palembang (\*\*Kriebel-Pa)

TAHITI FO8AA, Papeete, is again being heard, amid terrific C.W. QRM on a slightly lower frequency of 7.09mc; sometimes to 12:45am. Regular sked is Tues/Fri 11pm-midnight (\*\*Legge-Penna, Velasco-Mexico)

TAIWAN Jiro Hayashi, Mgr. of JPAK, verifies reports sent to JFO, Taihoku, and states an English news-period is given daily, 10-10:20am (\*\*Legge); JIC (5.89), Taihoku, sometimes heard phoning JVV (5.73), Tokyo, near 8:30-9am. JIC is being very well heard in Calif. (Walcott)

The San Francisco Chapt., would like to see an IDA member win this award. If this happens, we will in

**\$1,000.00 for a Name**

PRIZE: (Grand) \$1,000.00 cash.

TO ENTER: Submit a name for the amusement zone of the 1939 World's Fair to be opened for 288 days beginning February 18, 1939, in San Francisco, Calif. The name must not exceed three words. Submit as many entries as desired, but each must be on a separate sheet of paper with contestee's name and address. Entries must be received (not mailed) by February 18, 1938. Send entries to "1939 World's Fair Contest Committee, Treasure Island on San Francisco Bay, San Francisco, Calif."

addition present a five-year membership in IDA, to the winner Remember, the 1939 Golden Gate Exposition is also to be the scene of the International DX Convention

**LAST MINUTE NOTES**

Letter from VP2LO (6.384), says, tests are being conducted daily 4-4:45pm and Sundays 10-11am. Reports from IDA members are wanted and each will be promptly answered. Send to address given in notes (\*\*CAM) . . CSW (9.95), Lisbon, back on the air . . RKI (15.08), phones N.Y., almost daily 10-11am; RKL (19.2), 7kW, began operations on Jan. 7 . . HJ4ABP moved down to 4.88mc on Jan. 14 (RBO . . XEDQ, Guadalajara, now on 9.525mc (Amers Velasco) . . Veri says station on 6.29, and 9.29 is HIG, not HID (RBO

# SHORT-WAVE BROADCASTING STATIONS

SYMBOLS: N- NEW station; F- frequency change; S- change in sked; C- change in call; U- frequency in doubt; F- frequency calibrations by Oxnieder-IDA Frequency Bureau; J-stations persisting in hopping about; V- varying in frequency; \* see short-wave notes; NEW STATIONS IN CAPS.

DIAL METERS	MEGS.	CALL	STATION	TIME	E,S,T.
S13.92	21.54	W8XK	Pittsburgh, Penna.	7-9am.	(13M)
13.93	21.53	G5J	Daventry, England	5:45-8:55am. To Australia	
13.94	21.52	W2XE	Wayne, New Jersey	7:30-10am; Sat/Sun 8am-1pm.	
13.97	21.47	G5H	Daventry, England	5:45am-noon. To Africa.	
S16.86	17.79	G5G	Daventry, England	3:15-5:25, 5:45am-noon, 12:20-4pm.	
16.87	17.78	W3XAL	Boundbrook, N.J.	9am-6:45pm, 7-9pm; Sun. 9am-noon, 12:15-6:45, 7-9pm.	(16M)
N16.87	17.78		ESSARTS, FRANCE	Also testing on 15.13, 11.845, 9.55, and 6.04mc's	
S16.88	17.77	PHI	Huizen, Holland	8:25-10:25am ex. Wednesdays	
16.89	17.76	DJE	Zeesen, Germany	12:05-10am; Sun 11:10a-1225	
S16.89	17.76	W2XE	Wayne, New Jersey		
S17.36	17.28	FZEB	Djibouti, F. Somaliland	March 3/April 7 7:45am.	
19.52	15.37	HAS3	Budapest, Hungary	Sundays 9-10am.	
19.56	15.34	DJR	Zeesen, Germany	8-9am to Central America.	
19.57	15.33	W2XAD	Schenectady, N.Y.	11am-9pm.	(19M)
19.60	15.31	G5P	Daventry, England	1:45-4pm to North America	
19.61	15.30	2R06	Rome, Italy	Testing irregularly	
19.62	15.29	LRU	Buenos Aires, Argen.	7-9am and irreg. * 10:45pm	
19.63	15.28	DJQ	Zeesen, Germany	12:05-5:45, 6-10am, 4:50-	
S19.64	15.27	W2XE	Wayne, New Jersey	1-2:15pm. (10pm; Sun 11a-Nn	
19.67	15.25	W1XAL	Boston, Mass.	2:15-4pm ex. Sat/Sun; Fri 9-	
19.68	15.243	TPA2	Pontoise, France	6-11:05am	
S19.70	15.23	OLR5A	Prague, Czechoslov.	10:05-11am; Sun 6-7:30am ir	
19.71	15.22	PCJ	Huizen, Holland	Tues 3:30-5am; Wed 9am-N'n.	
19.72	15.21	W8XK	Pittsburgh, Penna.	9am-7pm.	
19.74	15.20	DJB	Zeesen, Germany	12:05-11am; 4:50-10:45pm.	
19.76	15.18	G5O	Daventry, England	3:15-5:25, 5:45-8:55am-4-6p	
S19.78	15.17	TGWA	Guatemala, Guatemala	12:45-1:45pm; irreg to 6pm	
19.78	15.17	2R05	Rome, Italy	Testing irreg.	
S19.79	15.155	SM5SX	Stockholm, Sweden	11am-5pm; Sunday 9am-5pm.	
19.80	15.15	YDC	Bandoeng, Java	10:30pm-2am, 5:30-10am; Sat to 11:30am	
19.82	15.14	G5F	Daventry, England	3:15-5:25, 5:45am-noon.	
19.84	15.12	HVJ	Vatican City, Italy	10:30-10:45pm ex. Sundays *	
19.85	15.11	DJL	Zeesen, Germany	12-2-8-9, 10:40am-4:30pm.	
20.08	14.939	PSE	Rio de Janeiro, Brazil,	Wednesdays 4-4:10pm.	
V20.11	14.92	LZA	Sofia, Bulgaria	5-6:30am, 11:30am-3pm; Sun-2am-5pm. (evenings. *	
20.55	14.60	JVH	Nazaki, Japan	Intermittently throughout-	
SF20.79	14.43	HCLJB	Quito, Ecuador (mobile)	Sun 9-9:45pm & irreg.*	
S20.88	14.368	OX2QY	Reindeer, Greenland	7-8pm and irreg.* (ly *	
21.38	14.03	EA9AH	Tetuan, Span. Morocco	3 to 9:30pm intermittent-	
22.00	13.635	SPW	Warsaw, Poland	6-8pm; Sat/Sun 6-9pm. *	
24.03	12.486	HIN	Trujillo City, D.R.	5:10-10:10pm, or later.	
24.52	12.235	TFJ	Reykjavik, Iceland	Sundays 1:40-2:30pm.	
24.88	12.06	RNE	Moscow, U.S.S.R.	Sun 6-7, 10-11am, 4-5pm; Wed 6-7am; M/W/F 4-5pm; daily 8:30-9:15, 10-11pm.	
25.06	11.97	HT2X	Trujillo City, D.R.	Tues/Fri 8-10pm.	
25.18	11.913	CD1190	Valdivia, Chile	10am-1pm, and 8-11pm.	
25.21	11.90	KEWI	Mexico D.F., Mexico	Tu/Th 7:30-mid, Fri 3-4pm.	
25.21	11.90	HP5I	Aguadulce, Panama	7:30-9:30pm.	
25.24	11.885	TPA3	Pontoise, France	2-5am, 12:15-6pm, 6:15-8:15p	
S25.27	11.87	W8XK	Pittsburgh, Penna	7-11pm.	
S25.31	11.855	DJP	Zeesen, Germany	8-9pm and irreg. (on 9.57mc	
25.34	11.84	KZRM	Manila, Philippines	4:30-9am/Sat to 10am (or-	
S25.36	11.83	W2XE	Wayne, New Jersey	2:30-6pm, 6:30pm-midnight.	
25.37	11.826	XEBR	Hermosillo, Mexico	2-6, 8-10pm irreg.	
25.40	11.81	2R04	Rome, Italy	5am-12:15pm.	

25.41	11.805	COGF	Matanzas, Cuba	8am-midnight (pm, 12:30-130
S25.42	11.80	JZJ	Nazaki, Japan	8-9am, 3-4, 4:30-5:30, 6-630
25.45	11.79	W1XAL	Boston, Mass.	4:45-6:30pm; Fri 9pm irreg
S25.45	11.79	OER3	Vienna, Austria	M.to F. 9am-5pm; Sa to 530
25.49	11.77	DJD	Zeesen, Germany	10:40am-4:30, 4:50-10:45pm
25.50	11.76	TGWA	Guatemala, Guatemala	9-11pm; Sunday 7-9pm. *
S25.53	11.75	GSD	Daventry, England	3:15-5:25, 8:55am-noon, 12:20-4, 9:20-11:15pm. (25M)
F25.55	11.74	HVJ	Vatican City, Italy	Testing 9:15-11am irreg. *
25.58	11.73	XETM	Villahermosa, Mexico	6-11pm.
25.60	11.72	CJRX	Winnipeg, Canada	6pm-mid; Sundays 3-9:30pm
25.60	11.718	CR7BH	Laurencio Marques, Moz.	4:30-6:30, 9:30-11am; 12:10-4pm.
25.61	11.713	TPA4	Pontoise, France	10pm-1am.
25.62	11.71	YSM	San Salvador, El Salvador	Noon-1:30pm (3am-130pm)
25.63	11.705	SBP	Motala, Sweden	1:20-2, 6-9, 11am-1:30pm; Su
25.64	11.70	HP5A	Panama City, Panama	11am-1pm, 5 or 6 to 10pm.
V25.64	11.70		Saigon, F. Indo-China	4:30, or 5:30 to 9:30am.
25.68	11.68	CB1170	Santiago, Chile	10am-2, 3:30-11pm.
26.01	11.535	SPD	Warsaw, Poland	6-8pm; Sat/Sun 6-9pm. *
V26.27	11.42	COCX	Havana, Cuba	6:55am-1am; Sun 6:55am-mid
26.32	11.402	HBO	Geneva, Switzerland	Fridays 2-2:15pm.
S27.17	11.04	CSW2	Lisbon, Portugal	3-7pm *
27.27	11.00	PLP	Bandoeng, Java	10:30pm-2am, 5:30-10am, 6-
V27.40	10.95		Tananarive, Madagascar	12:30-12:45am, 3:30-4:30 am, 10-11am.
V28.04	10.70		Radio Milano, ??	Heard in afternoons irreg
28.14	10.66	FVN	Nazaki, Japan	1:50-2:20, 3:50-7:40am.
28.30	10.60	ZIK2	Belize, Brit. Honduras	Tu/Th/Sat 7:30-7:50pm.
28.48	10.535	JIB	Taihoku, Taiwan	Relays JFAK 9:05-10am.
V28.93	10.37	EAJ43	(Tenerife, Canarias (Salamanca, Spain	7:30-8pm; relays Salamanca at 3:30, 5:30, 8 and 9pm.
29.04	10.33	ORK	Ruyselede, Belgium	1:30-3pm to Belgian Congo
29.24	10.26	PMN	Bandoeng, Java	10:30-2am, 5:30-10am, 6-730
29.35	10.22	PSH	Rio de Janeiro, Brazil	7-9pm.
30.00	10.00	WWV	Beltsville, Maryland	Useful for calibration. *
FJ30.06	9.98	COBC	Havana, Cuba	Relays CMBC 6:55am-1am. *
F30.15	9.95	CSW3	Lisbon, Portugal	7-9pm. *
30.18	9.94	JDY	Darien, Kwantung	7-8am.
V30.43	9.86	COCM	Havana, Cuba	8am-10pm; Sundays 8-11pm.
30.52	9.83	IRF	Rome, Italy	Relays 2R03 7:30-9pm. *
NJ30.61	9.80		DEUTSCHE FREIHEITS SENDER, Havana, Cuba	6:50am-1am; Sun 6:55-12:30
J30.77	9.75	COCQ	Havana, Cuba	Tues/Thur/Sat 9-10pm; Sun-
N30.93	9.70	TI4NRH	HEREDIA, COSTA RICA	days 7-9am. *
30.98	9.685	TGWA	Guatemala, Guatemala	Irreg. on this freq.
V30.98	9.685		Fort-de-France, Martinique	6:36-7:36, or 7pm. *
31.06	9.66	LRX	Buenos Aires, Argen.	9:30am-11:30pm.
31.09	9.65	CS2WA	Lisbon, Portugal	Tues/Thur/Sat 4-7pm.
31.11	9.645	HH3W	Port-au-Prince, Haiti	1-2, and 7-9pm.
31.12	9.64	CXA8	Colonia, Uruguay	Relays LR3 7am-midnight *
V31.14	9.635	2R03	Rome, Italy	12:30-9pm.
31.15	9.63	HJ7ABD	Bucaramanga, Colombia	11am-1pm, 6-10:30, or 11p
31.18	9.625	JFO	Taihoku, Taiwan	4-10am.
31.20	9.618	HJ1ABP	Cartagena, Colombia	7-9, 11am-1:30, 5-10:30pm.
C31.22	9.61	ZRK	Klipheuvell, S. Africa	11:45pm-12:45am ex. Sat; 3:20-7:20, 9-11:45am. See *
V31.25	9.602	HP5J	Panama City, Panama	Noon-1:30pm, 6:30-10:30pm.
31.25	9.60	RAN	Moscow, U.S.S.R.	6-7; 7-9:10pm for N.A.
F31.25	9.60	OAX5C	Ica, Peru	8-11:30pm, or midnight.
S31.28	9.59	PCJ	Huizen, Holland	Sun 7-8pm; Mon 2-3:30pm; Wednesday 7-9:30pm.
31.28	9.59	VK6ME	Perth, W. Australia	Weekdays 4-6am. (31M)
31.28	9.59	VK2ME	Sydney, Australia	Sundays 1-3, 5-11am.
31.28	9.59	W3XAU	Philadelphia, Penna.	Noon-8pm; Wed/Sat Noon-7pm
S31.32	9.58	GSC	Daventry, England	12:17-1:15, 4:15-6, 6:20-8:30, 9:20-11:15pm. (630am
31.32	9.58	VLR	Melbourne, Australia	3-8:30am, Sat to 9am, Su to

31.35	9.57	WLXK	Springfield, Mass.	6am-1am; Sun 8am-1am.
31.35	9.57	KZRM	Manila, Philippines	4:30 to 9am; Sat to 10am
S31.38	9.562	OAX4T	Lima, Peru	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	10:30p-2,5; 30-10a, 6-7:30p
S31.41	9.55	OLR3A	Prague, Czechoslov.	Irreg. Mon/Wed/Fri 8-1035 pm; 12:55-4:40pm daily; Sun 6:15-8:55pm; S/T/T/S 5pm.*
31.41	9.55	XEFT	Veracruz, Mexico	7:30pm-midnight
31.45	9.54	VPD	Suva, Fiji's	5:30-7am except Sundays.
31.45	9.54	DJN	Zeesen, Germany	12:05-10am, 4:50-10:45pm.
31.47	9.535	JZI	Nazaki, Japan	8-9am, 3-4, 4:30-5:30pm.
31.48	9.53	W2XAF	Schenectady, N.Y.	4-6pm; 6pm-mid.to B.Aires
31.50	9.525	ZBW3	Hong Kong, Hong Kong	11:30pm-1:30am, 4-10am etc
S31.50	9.523	ZRH	Roberts Heights, S.Africa	11:45pm-12:45am ex. Sat; 5-7:30am; Sun 4-5am. *
F31.50	9.523	XEDQ	Guadalajara, Mexico	Noon-4:30pm, 8-11:30pm.
31.51	9.52	LKJ1	Jeloy, Norway	5-8am
31.51	9.52	HJ6ABH	Armenia, Colombia	6-10:30pm and early AM
31.51	9.52	OZF	Skamlebak, Denmark	2-4, 4-6:45pm to N.A.
31.55	9.51	GSB	Daventry, England	3:15-5:25, 12:20-6, 6:20- 8:30, 9:20-11:15pm.
31.55	9.51	HS8PJ	Bangkok, Siam	Mon/Thurs 8-10am. *
31.55	9.51	HJU	Buenaventura, Colom.	Mon/Wed/Fri 8-11; Su 6-8pm
S31.58	9.50	XEWW	Mexico D.F., Mexico	9am-midnight.
31.58	9.501	PRF5	Rio de Janeiro, Brazil	4:45-5:55pm ex. Sundays
31.58	9.50	VK3ME	Melbourne, Australia	4-7am except Sundays (930p 5pm, 7:30pm; Mon/Tues/Thu
S31.62	9.488	EAR	Madrid, Spain	8:15-10:15pm ex. Sundays
F31.77	9.445	HCODA	Guayaquil, Ecuador	8am-11pm; Sun 8am-10pm
31.81	9.43	COCH	Havana, Cuba	Tananarive, Madagascar 12:30-12:45, 3:30-4:30p-
31.98	9.38			
V32.07	9.354	HC1ETC	Quito, Ecuador	Heard Irreg. in evenings* Fri 2:30-2:45, 7:30-7:45, 8-8:15pm; Sat 6:45-8pm.
32.11	9.345	HBL	Geneva, Switzerland	Noon-3, and 5-11pm. 7-11pm; Sundays 3-5pm. 7:30-9am, Noon-2:30, 4-9pm* Relays CMBX 8am-11:30pm. Sun/Wed 7-8pm; Sat 6-7pm. Relays CMCA to 12:30am *
32.12	9.34	OAX4J	Lima, Peru	7:42am-12:20am
J32.22	9.31	HC2CW	Guayaquil, Ecuador	5-6, 9:30-10:30pm (10:15p* 7-8:15, 11:30am-2:30, 4:45- Saturdays at 11pm *
CV32.29	9.29	HIG	Trujillo City, D.R.	Tues/Fri 7-7:15pm. 7am-11pm. (in evenings. Contacts WEL-8.95, irreg.*
32.63	9.195	COBX	Havana, Cuba	Tests irreg. in evenings* 12:45-2:15, 6:45-10:15pm
32.87	9.125	HAT4	Budapest, Hungary	Managua, Nicaragua
F32.97	9.10	COCA	Havana, Cuba	San Salvador, El Salvador 9-11pm.
V33.33	9.00	COBZ	Havana, Cuba	11am-2pm, 4-11pm. Sat. 6:45-8pm.
FV33.46	8.965	COKG	Santiago, Cuba	5-7, 8:30-10pm; Sun 5-6pm.
33.94	8.84	HCJB	Quito, Ecuador	7-9:15pm with RAN
33.94	8.84	ZMBJ	S.S.Awatea	Evenings irreg.
34.11	8.795	HKV	Bogota, Colombia	Sundays 6-8pm.
34.66	8.664	COJK	Camaguey, Cuba	Friday 4-5pm. (5-7pm
34.66	8.655	W10XAB	Reindeer, Greenland	3:30-4, 8-10am, 1:30-4:45- Wed/Sat 2:30-4:30pm.
34.66	8.655	W2XGB	Hicksville, New York	9-11pm. (later* Tues/Fri 11pm-Midnight; or Irreg. to 11, or 11:30pm.
V34.92	8.59	YNPR	Managua, Nicaragua	5-7pm irreg.
38.00	7.894	YSD	San Salvador, El Salvador	5-7pm irreg.
38.20	7.854	HC2JSB	Guayaquil, Ecuador	7:10-8:40pm; Sun 9:40-1040
38.47	7.797	HBP	Geneva, Switzerland	Mon/Wed/Fri 5:41-8:41pm.
J39.74	7.55	TI8WS	Puntarenas, C.R.	7:25-9:10pm; Sun 5:30-6:30
39.79	7.54	RKI	Moscow, U.S.S.R.	Sundays 5-7pm.
V40.00	7.50		Salamanca, Spain	6:10-7:40pm; irreg to 11pm.
40.65	7.38	XECR	Mexico D.F.	
41.10	7.30	HB9BG	Lucerne, Switzerland	
41.67	7.20	EAJ8	San Sebastian, Spain	
41.80	7.177	CR6AA	Lobito, Angola	
42.25	7.10		Guadalajara, Mexico	
F42.31	7.09	FO8AA	Papeete, Tahiti	
F42.55	7.05	XEME	Merida, Mexico	
43.48	6.90	HI2D	Trujillo City, D.R.	
V44.09	6.805	HI7P	Trujillo City, D.R.	
V44.12	6.80	PZH	Paramaribo, D.Guiana	
V44.28	6.775	HIH	San Pedro, D.R.	
44.51	6.74	HCLTQ	Quito, Ecuador	
44.58	6.73	HI3C	La Romana, D.R.	

44.60	6.727	PMH	Bandoeng, Java	5:30-11; Sat 11:30pm-1:30a
V44.86	6.687	TIEP	San Jose, C.R.	7-10:30pm.
B45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun 5:30-7:30pm; Tu 9-11pm
45.25	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.
V45.32	6.62	YNLG	Managua, Nicaragua	1:30-2:30, 6-10pm.
45.60	6.578	HCVT	Ambato, Ecuador	7-10pm; to 11pm on Friday
45.76	6.555	HL4D	Trujillo City, D.R.	5:10-8:10pm ex. Sundays.
45.80	6.55	TIRCC	San Jose, C.R.	Tu/Th/Sa 6-7p; Su 8-10pm &
45.84	6.545	YV6RB	Bolivar, Venezuela	6:30-9:30pm ex. Sundays
45.87	6.54	YN1GG	Managua, Nicaragua	1-2:20pm, 8-10pm ex. Sunday
V46.01	6.52	YV4RB	Valencia, Venezuela	10:30am-1:30pm, 5:30-9:30p
S46.15	6.50	HIL	Trujillo City, D.R.	6-8, or 9pm ex. Sundays. (pm
S46.26	6.485	HILL	Santiago d.l.c., D.R.	Weekdays to 7pm; irr to 10
B46.31	6.479	H18A	Trujillo City, D.R.	5:40-7:40pm ex. Sundays.
46.41	6.465	YV3RD	Barquisimeto, Venez.	Testing late evenings. *
46.51	6.45	HL4V	S.F. de Macoris, D.R.	5:10-8:40pm ex. Sundays.
46.73	6.42	H1LS	Santiago, D.R.	6:10-8:10pm ex. Sundays.
46.77	6.416	YV6RC	Bolivar, Venezuela	10:30am-1:30pm, 4:30-9:30p
46.80	6.41	TIPG	San Jose, C.R.	8-10am, 1-3, 5-11:30pm.
46.88	6.40	YV5RH	Caracas, Venezuela	5-9:30pm ex. Sundays
N46.97	6.388	H18J	La Voz de La Provincia, D.R.	Testing. (11am. #
N46.99	6.384	YV2LO	BASSETERRE, ST. KITTS	4-4:45pm or later; Sun 10-
47.02	6.38	YV5RF	Caracas, Venezuela	11am-1pm, 5:30-9:30pm ex-
47.14	6.365	YV1RH	Maracaibo, Venezuela	4:30-11pm. (Sun.
47.20	6.357	HRP1	San Pedro Sula, Honduras	7:45-10pm ex. Sundays.
47.32	6.34	H1IX	Trujillo City, D.R.	Tu/F 8:10-10pm; Sunday-
47.36	6.335	OAX1A	Chiclayo, Peru	8-11pm. (7:40-10:40am. #
47.43	6.324	COCW	Havana, Cuba	6:55am-1am; Sun 9:55am-10p
V47.54	6.31	HIZ	Trujillo City, D.R.	5:10-7:40pm ex. Sundays.
47.62	6.30	YV4RD	Maracay, Venezuela	6-10pm except Sundays.
47.66	6.295	OAX4G	Lima, Peru	7pm-midnight.
F47.69	6.29	HIG	Trujillo City, D.R.	7:30-9am, Noon-2:30, 4-9pm#
47.76	6.282	COHB	Sancti Spiritus, Cuba	9am-Nn, 4-6, and 9-11pm.
V47.85	6.27	YV5RP	Caracas, Venezuela	4:30-9:30pm, or later.
47.96	6.255	YV5RJ	Caracas, Venezuela	5:30-8pm ex. Sundays
V48.05	6.243	HIN	Trujillo City, D.R.	5:25-10:10pm, or later.
48.11	6.235	HRD	La Ceiba, Honduras	7:30-10:30pm ex. Sundays
48.19	6.225	YV1RG	Valera, Venezuela	11:30am-1pm, 6-9pm. (as la
F48.31	6.221	TG2	Guatemala City, Guat.	Early as 6:30pm, to late-
48.35	6.205	YV1RI	Coro, Venezuela	6:30-9:30pm ex. Sundays
V48.39	6.20	ZGE	Kuala Lumpur, FMS.	Sun/Tues/Fri 6:40-8:40am
48.39	6.20	H18Q	Trujillo City, D.R.	6-8pm.
V48.47	6.19	H11A	Santiago, D.R.	10:40am-1:40pm, 6:40-9:40p
B48.60	6.172	XEXA	Mexico D.F.	7-11:30pm.
B48.73	6.156	YV5RD	Caracas, Venezuela	3:30-10pm.
B48.78	6.15	H15N	Moca City, D.R.	6-7am, Noon-2pm, 6-9:30pm.
F48.78	6.15	ZP14	Villarrica, Paraguay	Best heard 5-6pm. *
V48.78	6.15	CJRO	Winnipeg, Canada	6pm-mid; Sun 3-9:30pm.
48.81	6.147	ZEB	Bulawayo, S. Rhodesia	Su 3:30-5am; M/W 1:15-3:15
				pm; Tu/T 11am-Nn, Th 10am-
				7:30-10:30pm.
48.82	6.145	HJ4ABE	Medellin, Colombia	11pm-1am.
S48.86	6.140	W8XK	Pittsburgh, Penna.	9:30-11am, 12:10-4pm.
48.88	6.137	CR7AA	Laurencio Marques, Moz.	Irregular of late.
				10:15-11:15am, 3-7:45pm;
48.93	6.132	VE9HX	Halifax, N.S., Canada	Sun 6:45-8:45am, 4:45-6:45
V48.93	6.132	VP3BG	Georgetown, B. Guiana	11am-5pm.
				10am-mid; Sun 10am-10pm.
48.94	6.13	LKJ1	Jeloy, Norway	8am-noon, 2-10pm. #
48.94	6.13	COCD	Havana, Cuba	6-10pm; to midnight irreg
V48.98	6.125	CXA4	Montevideo, Uruguay	9am-1pm, 7pm-2am.
V49.00	6.122	HP5H	Panama City, Panama	7-9:30am.
B49.04	6.117	XEUZ	Mexico D.F., Mexico	6:20-8:30, 9:20-11:15pm.
V49.10	6.11	VPB	Colombo, Ceylon	5:30-10pm ex. Sun; Sa to 11
49.10	6.11	GSL	Daventry, England	9:15pm-1am.
49.11	6.108	HJ6ABB	Manizales, Colombia	5-8:05pm; 12:05-1am.
49.18	6.10	W3XAL	Boundbrook, N.J.	
49.18	6.10	W9XF	Chicago, Illinois	

(49M)

V49.18	6.10	YUA	Belgrade, Yugoslavia	1-3, 6:30-8:30am, Nn-6:30pm
SL49.20	6.097	ZRK	Klipheuvcl, So. Afr.	11:45am-4pm; Sun Nn-3:20p
SL49.20	6.097	ZRJ	Johannesburg, S. Afr.	11:45pm-12:45am ex. Sat, 3:15-7:30, 9-11:30am & * 7:45am-5pm; Sun 10:45am-5p Evenings to 10pm. *
49.26	6.09	CRCX	Bowmanville, Canada	7-11pm ex. Sunday.
49.26	6.09	XEBF	Jalapa, Ver, Mexico	6-6:30am; 11:45am-2:45pm & 5-10pm.
49.30	6.085	HJ5ABD	Calli, Colombia	6-7:30am ex. Sun; 7-10pm.
49.32	6.083	VQ7LO	Nairobi, Kenya	7pm-1:30am ex. Sundays. am
49.33	6.081	YV1RD	Maracaibo, Venezuela	4:15-8:15pm; Su 7:45-10:45
49.34	6.08	W9XAA	Chicago, Illinois	7pm-mid. except Sundays
SL49.37	6.077	OAX4Z	Lima, Peru	9am-5pm; Sat to 5:30pm.
V49.38	6.075	VP3MR	Georgetown, B. Guiana	7:30am-mid; Sun 11am-mid. 1:30-5pm.
49.39	6.073	HJ3ABF	Bogota, Colombia	8-11pm; Thurs 8-10pm.
49.40	6.072	OER2	Vienna, Austria	12:30-12:45, 3:30-4:30, - 6am-8p, 11p-2a; Su 8am-8pm.
49.42	6.07	CFRX	Toronto, Canada	6:40-8:40am.
49.46	6.065	SBO	Motala, Sweden	9am-noon, 6:30-10pm.
49.50	6.06	W3XAU	Philadelphia, Penna	12:20-4pm.
49.50	6.06	W8XAL	Tananarive, Madagascar	7-11pm.
49.50	6.06	W8XAL	Cincinnati, Ohio	6:30-11pm ex. Sundays.
49.53	6.057	ZHJ	Penang, S.S.	7-9pm ex. Sat, and Sun.
49.56	6.053	HJ6ABA	Pereira, Colombia	8-10:45pm.
SL49.59	6.05	GSA	Daventry, England	8-11:30pm.
49.63	6.045	XETW	Tampico, Mexico	10am-2am. (12:55-4:40pm * Mon/Wed/Fri 8-10:35pm; dly 10pm-1am.
V49.65	6.042	HJ1ABG	Barranquilla, Colom.	4:40-9:40pm ex. Sundays.
49.67	6.04	W1XAL	Boston, Mass.	5-9pm.
EL49.73	6.033	HP5B	Panama City, Panama	5:30-11:30pm; Sun 6-11pm.
49.75	6.03	XEBQ	Mazatlan, Mexico	Mon/Wed/Thur 8-10:35pm;
49.75	6.03	VE9CA	Calgary, Alta, Canada	Daily 12:55-4:40pm irr. *
SL49.75	6.03	OLR2B	Prague, Czechoslov.	7am-midnight.
FL49.81	6.023	XEUW	Veracruz, Mexico	7am-1:30, 4-8:30pm.
49.83	6.02	DJC	Zeesen, Germany	Sun/Wed/Thur 6:55-7:30am.
V49.86	6.017	HI3U	Santiago, D.R.	Being heard 9-9:45am *
49.88	6.015	PRAB	Pernambuco, Brazil	7:45am-1am; Sun 9am-11:15p
49.89	6.013	HJ3ABX	Bogota, Colombia	7-9, 11:30am-1, 6-11pm. (* 4-5pm, and sometimes later
SV49.92	6.01	OLR2A	Prague, Czechoslov.	7:30-10:30pm.
SV49.92	6.01	COCO	Havana, Cuba	10am-1:45am
49.92	6.01	CJCX	Sydney, Nova Scotia	2:30-4:30pm; Sun/Thur 6-7a
49.92	6.01	9MI	S.S. Kanimbla	9-11pm. (10:36am-12:36pm.
49.94	6.007		Rangoon, Burma	M/W/F 6:36-8:36pm; Sun- M/W/Sa 9-10:30pm
V49.95	6.005	CFCX	Montreal, Canada	11am-1pm, 4:30-9:30pm
V49.95	6.005	HP5K	Colon, Panama	5-9:30pm.
EL49.97	6.004	RV59	Moscow, U.S.S.R.	Noon-2:30pm, and 6-11pm.
49.99	6.002	CXA2	Montevideo, Uruguay	5:30-9:30pm ex. Sundays.
50.00	6.00	XEBT	Mexico D.F., Mexico	7-11pm ex. Sundays.
C50.02	5.997	CS2WD	Lisbon, Portugal	6:40-8:40pm.
50.21	5.975	OAX4P	Huancayo, Peru	11:40am-1:40pm, 6:10-8:40p
50.45	5.947	PJCI	Curacao, N.W.I.	10:45-12:40pm, 4:30-9:30pm
50.51	5.94	TG2X	Guatemala, Guatemala	Nn-2pm, 7-11pm ex. Sundays
50.55	5.935	YV1RL	Maracaibo, Venezuela	7-11pm.
50.73	5.913	YV4RH	Valencia, Venezuela	4-10:30pm; Sun 1:30-10pm.
50.81	5.905	TILS	San Jose, C.R.	Wed/Sat 9-11:30pm.
V50.89	5.895	YV3RA	Barquisimeto, Venez	5:30-9pm ex. Sundays. *
SJ50.93	5.89	HH2S	Port-au-Prince, Haiti	8:30-10:30pm ex. Sundays.
50.98	5.885	HI9B	Santiago, D.R.	8-10pm irreg. *
S51.07	5.875	HRN	Tegucigalpa, Honduras	6-11pm.
51.24	5.855	H11J	San Pedro, D.R.	11:40am-1:40pm, 6:10-8:40p
51.32	5.845	YV1RB	Maracaibo, Venezuela	10:45-12:40pm, 4:30-9:30pm
V51.51	5.824	TIGPH	San Jose, C.R.	Nn-2pm, 7-11pm ex. Sundays
51.61	5.813	TIGPH2	San Jose, C.R.	7-11pm.
51.72	5.80	YV5RC	Caracas, Venezuela	4-10:30pm; Sun 1:30-10pm.
51.90	5.78	OAX4D	Lima, Peru	Wed/Sat 9-11:30pm.
F52.09	5.759	YV2RA	San Cristobal, Venez	5:30-9pm ex. Sundays. *
52.08	5.758	YNOP	Managua, Nicaragua	8:30-10:30pm ex. Sundays.
N52.54	5.71	HRK-2A	TEGUCIGALPA, HONDURAS	8-10pm irreg. *
F61.22	4.90	HJ3ABH	Bogota, Colombia	6-11pm.
F61.48	4.88	HJ4ABP	Medellin, Colombia	8-11pm ex. Sundays.
F61.73	4.86	HJ1ABE	Cartagena, Colombia	8-10:30pm

## BROADCAST BAND DX

"This has been the worst BCB season yet; not a single TP was heard and no TA's until January 3, and then they have never reached over R-5. I did add a new YV on 882kC, and Long-wave stations Paris Moscow, Hllversum and Brasov" (Tomlinson-NY)... "Received IDA program from TGW, Guatemala, Jan. 13, 10-11pm EST, but on 1510kC, rather than 1210, as shown in G.C. Reception was R1 to R9, with QRM from WJEK on 1500kC" (Smith-Mich)... "TP's a rank failure. ZNS (540), heard and reported to. The TA's started to come through early in January, with Fecamp (1113), and Rennes (1040), best" (Lewis-Ohio).. Jan. 1, at 12:30 am CST, TGL, Guatemala City, was logged with R8 signals on 1510kC. Announced as "Radio General Electric -Guatemala" (This was probably the station heard by Smith, relaying the IDA broadcast-Rd). XEL (1100), heard with strong signals at lam, the same night. On Dec. 25, I heard CMGF (1120), at 3am, CMCB (1230) at 3:30am, CMBL (750), at 4am, and XERB (730), at 4:10am EST" (Shaffer-Iowa)... "P.P. (959), and Fecamp (1113), have been heard recently with verifiable strength. LRL (1070) was fine on the checks. LR5 (830) and LR6 (870), have both been heard this year also.. On Dec. 25, 3-5:45am EST, I logged TLX (650), San Jose, C.R., and TILS (880), for reports.. Have verified XEDF (810), XEL (1100) and CMKG (1135)... Can anyone help me identify the Mex. on 1125kC; also the Latin on 775kC. Also S.O.S. on a station whose announcer had a British accent and mentioned Halifax, testing 2-2:30am EST, on 804kC" (Drain-W.Va)... "Conditions are improving here. Have logged WLW, WJR, WBAL, XEAW and WNEL as late as 6:45 am EST" (Thomas-Barbados)... "On Dec. 25, I logged YVIRF (1120), XEL (1100), CMCB (1230), TLX (650), XERB (730). YV5RQ (882) heard frequently, and YV5RG (1005), heard occasionally. OAXLA (854), definitely identified at sign-off at 12:10am EST.. An HJ3-- is sometimes heard on 1385kC. CMQ is now covering everything on 600 from 4pm on (Roberts)

### BROADCAST STATION NOTES

OAXLA (854), 10kW, Estacion Radio Nacional del Peru, Avenue Petit Thouars 447, Lima, Peru, operating daily 11:30am-1:30pm, and 7-11:30pm EST, is now verifying" (Bigbee-Ga) ... Address of CMBL (750), "Radio

### DOWN CLARENCES' SKY WIRE

(Note: This column written by C. Burnham, 147 E. Main Street, Gloucester, Mass., will hereafter be a regular feature.)

The So. Americans have been excellent since October... Two new Brazilians that have recently been logged and reported to are: PRI3 on 880kC, Bello Horizonte, first heard Dec. 25, 7:30-9pm, with R8 signals, and PRD2 on 1060kC, in Rio, also logged on Dec. 25, with R9 signals, the loudest ever heard from Brazil. Both have been heard ever since, so go after them lads! Can anyone identify the S. A. on 1185kC, that has been coming in R5-7 in the early evenings, believed to be a Brazilian also?

Besides the regular run of Argentines, LS4 (670), and LS11 (1440), have been heard with good signals. The latter, recently verified, is anxious to receive reports from the U.S. A recent veri from LR6, indicates it is now owned by the owners of LR3 (950).

OAXLA (854), Lima, Peru, offers an excellent target for dx'ers wishing to add Peru to their logs... YV5RQ (882), is easily identified by its frequent mention of Caracas and Maracaibo... YVIRF (1120) is putting in a dandy signal this season... Considerable tuning reveals HJ3ABX, CMKD and CX26, all scrambled together on 1050kC... The Latin on 1125 has finally been identified as XEJP, a 100-watter in Mexico City.

CMCW shifted to 870, then 875, then to 885, and is now back on 870 kC. (Is listed on 1140kC). CMBC is now on 1230, and the Cuban on 1380 kC is CMCX.

The TA stations are poor to fair this season, with the French ones showing up best. All reception has been in the early evening, as have had but little luck with early morning reception this winter. Lille (1213), and Nice (1185) have been about the best signals, with Lyons PTT (648) fair. Paris PTT (698), Toulouse (913), Fecamp (1113) and Rennes (1040), have been heard poorly. Nice has been the only TA heard during January.

Cadena Suaritos, is Apartado 541, Calle 25, Numero 445, Vedado, Havana, Cuba (Schrock-111).. CKWX (1010), 100w, is now broadcasting dx programs Sundays 2:30-4:30am EST... Address for XERB is Rosarito Beach Country Club, Rosarito, Baja, California. Power is soon to be 100kW.

# IDA'S "PROGRAMS OF THE WEEK"

13

(Director) Herbert Tucker, 57 Kenilworth Drive, Akron, Ohio.

A crisp \$10.00 BILL will go to the dx'er who verifies the greatest number of these "Programs of the Week." (Any listener can compete)

(14) Sunday,	Feb. 6,	3-4am EST,	Sheridan, Wyoming,	1370kc	.1kw	KWYO
(15) Sunday,	" 13,	3-4am EST,	Pittsburgh, Penna.,	980	50	KDKA
(16) Sunday,	" 20,	3-4am EST,	Los Angeles, Calif.,	1430	1	KECA
(17) Sunday,	" 27,	3:30-4am,	HONOLULU, HAWAII,	750	2 1/2	KGU
(18) Sunday,	Mar. 6,	3-4am EST,	Three Rivers, P.Q.,	1420	1	CHLN
(19) Sunday,	" 13,	3-4am EST,	Covington, Kentucky,	1490	5	WKYK
(21) Sunday,	" 27,	3-4am EST,	Lincoln, Nebraska,	1210	.1	KFOR

EST- INTERNATIONAL PROGRAMS EST-						
IDA	Sat/Sun,	Feb. 12/13,	11:30-12:30am,	MATANZAS, CUBA	11.805mc	CGGF
IDA	Sunday,	Feb. 13,	1-2am	SAN SALVADOR, EL SAL.	7.894	YSD
	Mon/Tues,	Feb. 14/15,	2-2:30am,	CASABLANCA, MOROCCO	7.045	.15 CN8AJ
Note: CN8AJ will test on 14.09mc, Feb. 14/15 at lam... Reports on this special broadcast arranged by J. Miller, S.W. Editor of S.W. and Television, should be sent to Rene Cretien, 29 Rue des Villas, Casablanca, French Morocco. Former CN8AJ programs did not get out well on account of aerial trouble.						
IDA	Tuesday,	Mar. 22,	9-11pm,	GUAYAQUIL, ECUADOR	6.635	HC2RL
Note: IDA programs arranged by H. Gunn, L. Ambrosius and H. Tucker.						

TOP-NOTCH BROADCAST BAND PROGRAMS						
NNRC/NRC	Wed,	Feb. 9,	2-3am,	Sherbrooke, P.Q.,	1210kc	.1 CHLT
NNRC/NRC	Sat,	Feb. 12,	3-4am,	Grande Prairie, Alta	1200	.1 CFGP
IDA	Sat/Sun,	Feb. 12/13,	11:30-12:30am,	Matanzas, Cuba	1120	.25 CMGF
IDA	Sunday,	Feb. 13,	1-2am,	SAN SALVADOR, EL SAL.	640	YSS
IDA	"	" 13,	2-3am,	Cienfuegos, Cuba	1160	.2 CMHJ
NNRC/NRC	Sun,	" 13,	3-4am,	Prescott, Ontario	930	.1 CFLC
URC	Sunday,	" 13,	3:30-4:30am,	Edmonton, Alta	960	.1 CFRN
UDXC	Saturday,	" 19,	4:30-5:30am,	HONOLULU, HAWAII	1320	1 KGMB
IDA	Thursday,	Mar. 10,	2-6am,	Cienfuegos, Cuba	1160	.2 CMHJ

## BROADCAST STATION NEWS

**AUSTRALIA** 2RG, Griffith, now on 1070kc, with 100w; 6KG (1210), Kalgoorlie, will soon go to 2kw; National-4BR, under construction at Brisbane; Other regional stations will be built at Hobart, Perth, Dalby, Canberra.

**ANDORRA** Construction on a 60kw national xmtr. will soon be started.

**CUBA** NEW: CMKS (960), Guantanamo, in operation; CMBF (770), 10kw, in Havana, will be on air soon; CMBQ (680), 5kw, Havana, will be on air soon. A 5kw station will be built for operation on 730kc. FREQUENCY: CMBD to 1260kc, where it will share time with CMC; CMBS to 1170kc.

**CZECHOSLOVAKIA** MELNIK (1113), 100kw, now on the air; Moravska-Ostrava, has moved to 1204kc, while Prague 2 (1204), has now closed down. A relay at Budweis, to work with Melnik, will soon be put into use.

**ENGLAND** STAGSHAW (1122), 60kw, operates weekdays 5:15am-7pm, and on Sun days 7:30am to 7:40pm EST. Station replaces former newcastle (Jones)

**FRANCE** New 150/200kw xmtr. of "Radio Paris" (1648.2M), under construction near Mehun-sur-Yevre, should be testing by May, 1938. SKEDS: Radio Toulouse (913), weekdays 3am-7pm, Sun. 6:40am-7pm. English broadcasts weekdays 5:15-6:15pm, and Sun. 11am-1:30pm; Toulouse PTT (776), daily 2am-5:30pm; Fecamp (1113), 1:45am-8pm; Sat/Sun to 9pm EST (Jones)

**ICELAND** New 100kw xmtr. at Reykjavik, will be on air by March or April

**INDIA** LAHORE (1086), 5kw xmtr. is almost completed (E.R.)

**JAPAN** Japanese stations now close-down 8:30am EST; JOAK2 (870), 150kw, broadcasts English and Chinese news, 8:35-8:55am, with JZJ & JZL.

**MEXICO** NEW: XEFQ (1010), 50w, Cananea, Sonora, operates 1-5, and 10pm-midnight EST.. XEAA (750), 200w, P.O. Box 22, Calexico, Calif. is radiating dx programs Sundays from 3 to 4am EST (Schrock, Tucker)

**SPAIN** Unidentified Spanish station is operating on 706kc (Jones)

**U.S.A.** NEW: (authorized): 1kw stations on 940kc, for El Paso, Texas., Tulsa, Okla., and Tampa, Fla. 100w stations for Miami, Fla. (1420); Bend, Ore. (1310); New Castle, Penna. (1250); Laredo, Texas (1500), and Montgomery, Ala. (1210).. Also new station for San Juan, P.R. (570) (NNRC)

**URUGUAY** Power of CXA6 (650), Montevideo, will be raised to 25kw soon.

## International



## Ax'ers Alliance

Published Monthly Excepting July

CHARLES A. MORRISON  
EDITOR

VOLUME 6

BLOOMINGTON, ILLINOIS, U. S. A.

NO. 2

## IMPORTANT ANNOUNCEMENT

Starting with March 1, it will be necessary to increase annual IDA dues to \$1.50. Members enrolled this month will pay only \$1.25.... Renewal dues may be paid in advance anytime this month for \$1.25

Show your IDA spirit of goodwill and cooperation towards our new advertiser, McMurdo Silver, by writing to him for information about his world-famous radio products. This tangible support is earnestly solicited.

The IDA has been greatly honored by having its short-wave list selected by the U. S. Government Delegation for use at the International Radio Conference now convened at Cairo, Egypt.

## APPOINTMENT

STATE MGR. FOR NEW MEXICO: J. F.

Pichler, 649 Cerrillos Rd, Santa Fe MEMBERS EXCHANGE CORNER

Cyrus B. Will, 651 Brier St, Kenilworth, Illinois (will exchange SWL cards). Claude Jones, 1 Dudley Rd, Copnor, Portsmouth, Hants, England (will exchange SWL cards, letters, den fotos and Canadian, South American or African stamps).. Rene Fritsch, P. O. Box 831, Beyrouth, Liban (can supply current issue of Lebanese stamps- 20 in all, ranging from .10 to 100 piasters, either mint or used for \$3.00 post-paid)

## NEW I.D.A. MEMBERS

G. Vermilion, Phoenix, Ariz; V. Salenne, Brooklyn, N. Y.; A. Counsell, Toronto, Ont, Canada; Carl Glick, Heltonville, Ind; F. Wilson, Dunedin, N. Z.; E. Kline, Great Neck, N. Y.; Jas. Pratt, London, Ont, Canada; Mildred and Harve Amers, Pomona, Calif; H. Klein, Los Angeles, Calif; J. Christie, Winnipeg, Man, Canada; M. Gouveia, Hills-grove, R. I.; Mrs. C. A. Lane, Niagara Falls, N. Y.; E. C. Descamps, Gray, Sask, Canada; C. Faunt, Regina, Sask, Canada; J. Chamberlain, Regina, Sask, Canada; Mrs. E. A. Morphy, Regina, Sask, Canada; Wm. C. Palmer, Parma, Ohio; Alfonso Velasco, Mexico D. F., Mexico (Off. Rep); H. Honda, Los Angeles, Calif; G. A. Daskam, Los Angeles, Calif; G. A. Rhoads, Haddon Hts, N. J.; W. Smith, Walled Lake, Mich; E. Duehr, Blooming

ton, Ill; Robt. Bain, Cienfuegos, CUBA; A. Howarth, London, Ont, Canada; Leon Baboin, Bourges, R. P.. FRANCE; J. Balanger, Houma, La.

## CHAPTERS

ACC (Detroit): Chapt's. extended and energetic efforts to clean-up electrical QRM in Detroit, are at last bearing fruit; hereafter all complaints on man-made QRM will be investigated by Police Radio Depts serviceman. Further, police have requested funds from city for a completely equipped radio interference car. Two men are working full time on this new detail. Any listener, living in the Detroit area, suffering from interference, may contact R. Verbrugghe, 10904 E. Warren Ave., Detroit. (Congratulations to ACC, and at the same time let this serve as an example of how other IDA chapt's. can splendidly serve their respective cities-Ed)

BETA (New York City): This chapter, which is responsible for designing and promoting the handsome new IDA pins, meets every other Saturday night at home of Ed Goss, 812 Prospect Place, Brooklyn, N. Y. February meetings will be on the 5th and 19th respectively.

CALGARY FOOTHILLS (Calgary): -- Dec. 13 and Jan. 1 meetings held at the homes of Messrs. Chessman and White, respectively, with fair attendances.. Chapt. is off to a good start on local SW contest with W. Wood setting the pace at the start .. Calgary Foothills expects to increase its membership to a goodly size before this year is over. .. Chapt. has ordered six of the new IDA pins.

REGINA JUBILEE (Regina): A fair attendance was on hand for Jan. 9, business meeting, and IDA pins and enrollment blanks were ordered.. The Jan. Social meeting was held at the home of J. C. Hodges on Jan. 20. .. A banquet is being planned for sometime in Feb.. Several new members have been enrolled to start the new year off right.

G. G. (San Francisco): Meets first Sat. in each month, at 2:30pm, at OFFENBACH ELECTRIC CO, 1452 Market St



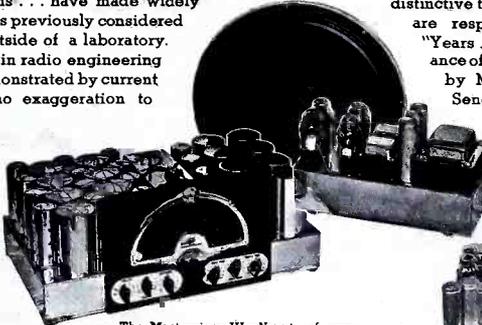
# Still "Years Ahead"

## RADIO BY McMURDO SILVER

**STARTLING** radio engineering achievements have characterized the work of McMurdo Silver for a quarter of a century. Year after year his radio receivers have won the acclaim of technical schools, engineering laboratories, radio distance receiving champions, leaders of scientific expeditions, and internationally famous musicians... have made widely accessible results previously considered unobtainable outside of a laboratory. This leadership in radio engineering is strikingly demonstrated by current models. It is no exaggeration to

say that no real conception of what radio offers today is possible until you have tested the 1938 masterpieces of this master engineer. Here is radio which, with uncanny "reach" goes to the earth's four corners to snare unique and unusual programs... music, sports, news, ships' messages. Thirty-six distinctive technical features are responsible for the "Years Ahead" performance of tomorrow's radio by McMurdo Silver. Send for details.

The 14-15—Super-sharp communication receiver of 14 tubes (15 with larger speaker), with tuned and stabilized receiver, active r. f. amplification on all wave bands.



The Masterpiece VI—New t. r. f. super-heterodyne and exclusive Multi-Band Circuit, employing 21 tubes on two 3/32-in. chromium plated steel chassis.

The 15-17—Advanced 15 tube super-heterodyne circuit delivering functional efficiency of 17 tubes. Four coil and circuit individually shielded and chassis chrome plated throughout.



### Type 1B Pre-Amplifier Mixer —



This pre-amplifier and electronic mixer (self powered, universal a.c.—d.c.) features two channels into the two triode sections

of a 6B8, the two capable of being mixed and faded together by individual gain controls. The first with a 6J7 pentode yields 56 db. voltage gain with an input of 2 megohms permitting use of crystal or other low-level microphones plugged in directly through standard shielded jack and plug. The second channel serves for high-level microphone and phono-pick-up or radio receiver input and gives a voltage gain of 20 db. Operation is from any 105 to 125 volt, 25 to 60 cycle a.c. or d.c. power line. Hum is unmeasurable and the 1B may be used to drive following power amplifiers with no trouble on this score, with 20 to 50 foot separation through single conductor shielded microphone cable. Substantial steel shielding case is 7" long, 6" high and 3 1/2" deep. Shipped complete with 1 each tested Raytheon 6J7, 6B8 and 6B5 (it will turn any good receiver into a complete P. A. System.

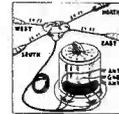
### New and Sensitive Dynamic Microphone



In America's best and most highly developed broadcasting stations, the dynamic microphone reigns practically supreme as the acme of microphone quality. So, in offering a microphone comparable in quality to McMurdo Silver receivers, we naturally selected the dynamic principle as the sound basis upon which to start development.

We are proud to offer at one and the same time not only a microphone directly comparable in quality to the costly units used in the finest broadcasts, but to provide through recent research greatly increased sensitivity, a combination of directional or non-directional characteristics in one single unit—and to be able to establish what is an extraordinarily low price for such a remarkable instrument. The new McMurdo Silver 4A Dynamic Microphone is shown mounted upon its 7" high, no-tip-over steel desk stand, together with the shielded plug which terminates at the microphone, the 25-foot rubber-covered shielded microphone cable with which it is equipped. Both stand and cable plug unscrew for convenience. The stand thread is standard, so that the microphone itself may be quickly transferred to different stands as may be desired. This superb microphone is only 3-13/16" long and 2-1/4" in diameter, and weighing but 1-1/2 lbs. has a frequency characteristic flat to 3 db. from 50 to 10,000 cycles—the full range of the best broadcast stations. Its "level" is unusually high, being only -52 db. and its output impedance is 50,000 ohms and materially reduces a.c. hum pick-up by the microphone or its cable and permits quite long microphone-to-amplifier cables—even up to a couple of hundred feet when necessary.

### New Selective-Directional Antenna



The SELECTIVE-DIRECTIONAL 9 is a positive means of boosting weak signal strength and reducing noise and interference. It provides an extraordinary amount of local noise reduction—dependent wholly upon

how far away from and high above local electrical noise sources one can erect its "X" flat-tops.

The SELECTIVE-DIRECTIONAL 9 gives nine different choices of directional double, single wire and V. aerials. One may select at the turn of the knob an East-West or North-South doublet, an East, West, or South single wire "I" antenna, or a South-East, South-West, North-East or North-East "V" aerial.

All are coupled to the receiver through a noise rejecting transmission line and perfected automatically self-selecting long and short wave antenna and set couplers.

All soldered and ready to put up, erection requires only two crossing 50-foot spans in approximate "X" form on house top, open lot, or anywhere such spans can be conveniently found.

Kit includes 4 antenna and insulators, 4 stand-off insulators, lead-in insulator tube and 50-ft. of weather-proof lead-in cable.

# McMURDO SILVER

2900-N SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS