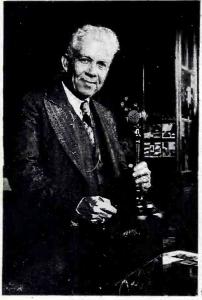


MAY 1938





Amando Cespedes Marin (left), owner and operator of pioneer shortwave station TI4NRH (right) of Heredia, Costa Rica

ONE DIME

INTERNATIONAL DX'ERS ALLIANCE

DEDICATED TO AMANDO CESPEDES MARIN
TI4NRH'S 10th ANNIVERSARY PROGRAMS — "PRINTING A
RADIO NEWSPAPER" — THE BROADCAST STATIONS OF
URUGUAY — BROADCAST BAND HONOR ROLLS —
"OVER 30 MEGS" — SHORT-WAVE LIST, & NOTES

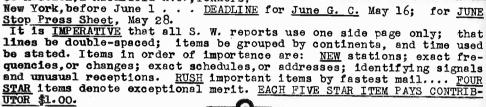
Short-Wave News

Editor-in-Chief, Charles Morrison, Frequency Checking Ed.R.B. Oxrieder; Ama-Touring Editor. R. Gozen.

TILINRH'S PROGRAM FOR IDA WEDNESDAY, MAY 18, 9-10 P.M. EST, TILNRH, 9.70MC, HEREDIA, C.R.

The DSW degree has been conferred upon G. Graham; Don Wright eligible To receive JUNE AMA-TOURING, send at least one item for it and stamp MAIN STUDIO OF TGWA, GUATEMALA CITY to R. Gozen, 1 Richfield Ave., Yonkers,

for JUNE



The following stations give English announcements: HH3W (9.645), HRD (6.235), YVIRI (6.205), COCD (6.13), XEUZ (6.117), TGZX (5.94) (Larsen)

LASKA

Anchorage Radio Club, Inc., has requested permit for 175w

xmtr. to work on 3.492 and 6.425mc · WXA (9.93), heard calling Seattle on Mar.16, at llpm (RBO)

EXEMBIDIA

ZFB (10.05), heard phoning WNB, and Queen of Bermuda at 7
DETT HOWDURAS ZIKE (10.6) now being heard Thes/Thurs/Sat 8:30 or 8:45 BRIT. HONDURAS ZIK2 (10.6), now being heard Tues/Thurs/Sat 8:30 or 8:115 to 9pm (RBO) CANADA Call CFRB (6.07), Toronto, now being used instead of CFRX. • • VE9HX (6.13), Halifax, reads S.W. news on Sundays, at 4:30 and 9:30 pm (GCDXC) • • VE9RL (2.23), emergency station for Montreal Light, Heat & Power, Cons, power 350 watts, heard irreg. Reports verified (Graham) OSTA RICA TIGPH2 (5.813), San Jose, has gone off the air- at least for the present (RBO); The "Hour of Costa Rica," in English, heard over COSTA RICA TIPG (6.11), Sat. at 8pm (TIPG); NEW: "TIRS, or TIRS (7.145), "Radio Athenea," San Jose, operates 7-11pm. Signs-off with Ted Lewis: "Good-Night Melody" (**RBO); TIWS, Puntarenas. still very unstable in frequency, hopping about between 5.73 and 6.65; TIXD, San Jose, will soon inaugurate a 500w S.W. relay on 11.92mc (**Ev. Roberts) WBA CLAS (14.95), heard testing and calling hams at 4pm (Herzog); CMAS (15.505), heard relaying an NBC program at 11:30pm (Velasco . CMAS (17.26), Hawana, heard testing with WQA and WQE, on Apr.14, at

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HIIS (now 6.43), "La Voz de Hispaniola," Santiago City, D.R. back on the air again, is operating from approx. 5:40 to 7:10pm, and signs-off with "Indian Love Call" (*RBO, Larsen); HI5P (6.565), "Ecos del Isabel de Torres, " Puerto Plata, being heard early evenings (RBO); NEW: HIGH (6.6), Trujillo City, first noted on Mar. 27, signs-off at 10pm (**RBO, Wright); HI 7P, Trujillo City, has shifted to 6.763mc (RBO)

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"Radio Martinique" announces that QSL cards are now avail MARTINIQUE

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T.KITTS VP2LO (6.384), has been making serial tests late Saturday

nights and early Sunday mornings (*Shaffar, Byrn, RBO) O. Hungerford, VP3THE, arrived back in New York City, early in April, subsequent to a 600-mile trek across country to Georgetown (NBC). . . Vice-Pres. Frank Mason, has been placed in charge of all NBC short-wave activities (NBC). . Mystery xmtr. heard Apr. 2, 10:45-11:40pm on 9.96mc. Announced "This is the West Coast calling and station RH in operation under a full signal power of 72 watts. We are operating on our assigned frequency of 10 megs. Played records (*Larsen). .Sked of WIXAL: on 15.25mc, 1:30-3pm Mon.thru Fri. llem-noon Sun; on 15.13, llam-noon Mon. thru Fri; on 11.79mc, 4:15-6:30pm Mon. thru Fri--6 to 6:30pm Sat, and 1 to 6:30pm on Sun; 11.73mc, 9-llpm Mon. thru Fri; on 6.04mc, 7-8:45pm Mon. thru Fri (*RBO, Belbi, Herzog, T. Smith) . . Spanish news over W2XE, now heard daily 5:45-6pm . . New G. E. sked effective Apr. 24: over W2XAD, on 21.5mc, 7-11am to S.A.; on 15.33mc, 11: 30am-5pm, to Europe, and 5-6pm to S.A.; on 9.55mc, 6:30-lopm to S. A. and over WZXAF (9.53), daily 3-5pm non-directional and 5-llpm to S.A...IDA news notes heard over W2XAF/W2XAD Tuesdays, at 5:35pm EST (G. E.) . . Sked for W9XF (6.1): daily ex.Sat.10:05pm-lam, and Sat. mid-lam (W9XF). . . PANATR II-P. of the Pan American Airways, licensed to use 20w, on 2.986. ... COMMERCIAL: KEI (9.49), heard almost nightly mid-lam (Herzog, Kernan); KLY (12.81), heard calling Empress of Britain GMBJ, Mar. 30, 12:10 am; KMI (17.09), heard calling GMBJ and signing-off at 12:03am (Kernan) TELEVISION: From Apr. 19 to May 19, W2XBS, RCA television xmtr.in Empire State Tower. will broadcast on Tues/Thurs 9-lopm; picture sig-

nals on 46.5, and sound on 49.75 megs (*NBC)

SOUTH AMERICA

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Clock resembling Big Ben strikes at 7pm (8pm B.A. time). Send reports to LRA, "Palacio de Correos y Telegrafos, "Buenos Aires (***Velasco, Lar

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OUADOR HC2CW, Guayaquil, on 9.235mc, at present (Larsen, RBO, Velasco RRU "Radio Rancho Grande (12), "Trujillo, operates from approx. 6 to 7:45pm (*RBO) . OAX4J (9.34), "Sintonice Radio Internacional," Casilla No.1166, Lima, relaying OAX4I (1100kC), daily noon to midnight, ECUADOR PERU

McMURDO SILVER

CTARTLING 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 com-munication receiver of 14 tubes (15 with larger speaker) with luned and stabilized regener-ctive r. f. amplification on all wave bands.



The Masterpiece VI—New t. r. f. super-heterodyne and exclusive Multi-Band Cir-cuit, 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. Every coil and circuit individually shielded and chas-



Type 1B Pre-Amplifier Mixer -



This pre-ampli-fier and electronic-mixer (self powered, universal a.c.—

of a 6F8, the two capable of being mixed and faded together by individual gain controls. The first with a 637 pentode yields of being mixed and faded together by individual gain controls. The first with a 637 pentode yields of being mixed and faded together by individual gain controls. The first with a 637 pentode yields low-lovel mixerophone plugged in directly through standard shielded fack and plug-thread the first with a figure of the first with a first of the first with a first of the first with a first with a first of the first with a firs

New and Sensitive Dynamic Microphone

In America's best and most highly developed broadcasting stations, the dynamic microphone producesting stateons, the dynamic microphone reigns practically supreme as the acme of microphone quality. So, in offering a micro-phone comparable in quality of 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

we at a prouse to other a cone and use same under not only a microphone directly comparable in casts, but to provide through recent research greatly increased cantivity, 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.

Is an extraordinating yow price for such a format zaken in instrument. The new McMurdo Silver 4 ħ Dynamic Microphone is shown mounted upon its T" high, no-tip-over steel desk stand, together with the shielded plug which terminates at the microphone, the 25-loot rubber-covered shielded microphone cable with which it is equipped. Both stand and cable plug unserew for convenience. The stand thread is standard, so that the microphone sites!

mey new unway transerrod to different stands as may be desired. This super bim direphone is only 3.13/18" long and 2.14" 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 "lavel" 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 test when necessary.

New Selective-Directional Antenna



The SELECTIVE-DIpositive means of booting weak signal strength and reduce ing noise and interference. If proceedings weak signal strength and reduce ing noise and interference. If proceedings weak signal strength and reduce in the second strength and the second

"X" flat-tops.

The SELECTIVE-DIRECTIONAL 9 gives nine different choices of directional doublet, single wite and V. serilai. One may be wite and V. serilai. One may or North. South doublet, nn Kant, West, or North. South single wire 'U' antenna, or a South. East, South-West, North-West or North-East; 'W' asrial.

TV asras.
All are coupled to the raceiver through a noise rejecting transmission line and per-fected automatically self-selecting long and short wave antenna and set couplers.

All soldered and ready to put up, erection requires only two crossing 60-foot spans in approximate "X" form on house top, open lol, or anywhere such spans can be conveniently found.

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

MCMURDO SILVE

SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS



MAY 1938





Amando Cespedes Marin (left), owner and operator of pioneer shortwave station TI4NRH (right) of Heredia. Costa Rica



INTERNATIONAL DX'ERS ALLIANCE

DEDICATED TO AMANDO CESPEDES MARIN

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Short-Wave News

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TILINRH'S PROGRAM FOR IDA
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TILINRH, 9-70MC, HEREDIA, C.R.

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a large of the state of the sta

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to R.Gozen, 1 Richfield Ave., Yonkers,

New York, before June 1 . . . DEADLINE for June G. C. May 16; for JUNE

Stop Press Sheet May 28

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It is IMPERATIVE that all S. W. reports use one side page only; that lines be double-spaced; items be grouped by continenta, 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.

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ACUADOR HC2CW, Guayaquil, on 9.235mc, at present (Larsen, RBO, Velasco "Radio Rancho Grande (12), "Trujillo, operates from approx. 6 to 7:45pm (*RBO) . . OAX4J (9.34), "Sintonice Radio Internacional," Casilla No.1166, Lima, relaying OAX4I (1100kC), daily noon to midnight, ECUADOR PERU

4 is now verifying with a large red and orange card; particularly anxious to receive reports on their daylight broadcasts (*Waite, Hartzell, Wright); OAX4P (9.575), Huancayo, 250 watts, heard signing-off on Apr.4, at 11:32pm (T.Smith); OAX5C, Ica, now on about 9.49mc, badly QRM' ed by XEWW (Velasco-Mexico D.F.) URUGUAY CXA16 will be on 15.38mc, instead of 9.735, as shown in April Globe Circler. ENEZUELA Sr.J. Suarez C., of YVIRB writes expressing apologies for having to cancel the IDA broadcast of Mar. 26, subsequent to a new Govt VENEZUELA ruling concerning special programs (Ambrosius). . YVIRH (6.365), heard requesting reports and asking that a 3¢ stamp accompany same; San Cristobal, is now on 5.745mc (RBO, Larsen). . A YV3RB, Barquisimeto, heard for several days on 9.577mc (RBO). . Sked for YV3RD (6.465), "Radio Barquisimeto, " Avenida Bella Vista 335, Barquisimeto: daily 11:30 am-1:30pm and 5:30-9:30pm (*Armantrout, Velasco). NEW: A station, announcing as Valencia, down in the mud and under the aviation stations. is heard irregularly on 5.590-95mc (*Larsen) EUROPE metz) ANDORA, LUXEMBOURG AND MONACO, all expect to build S. W. xmtrs. (Stein-BULGARIA LZA, actually on 14.96, being heard to 3am irreg. (Brewer-Ariz.); heard at 12:30am (Herzog-NY). In official letter from Director of Broadcasting in Bulgaria, freq. of LZA is given as 8.735 (Ev.R) CHANNEL ISLS. Amateur G8MF (14.1), will add this new country for you.
CZECHON. A. trans. on Mon/Tues/Thurs/Fri, heard over OLR SLOVAKIA (15.23), or OLR5B (15.32), 7-9mm, and over OLR1A (11.84), or OLR1B (11.76), from 9-9:40, or 10pm (Praha, Herzog, Velasco, Gallagher, E.Roberts, Loyd, Reinhard, Balbi, Eders, Legge, Larsen, T. Smith, Shaw, Pleyte) ENMARK Danish S. W. Xmtr. OZH (15.165), heard testing Mar. 30, from 6:15 to 6:30am (**Soplop). Regular transmissions will soon be started **DENMARK** on additional freqs. of 15.165 and 17.75mc (Com.Bul.) CIGLAND GSI (15.26), now in use daily 9:20-11:20pm (LA)...GBTT (13.35), the Queen Mary, heard talking two-way with GBS (12.25), in plain speech on April 7,5:47-6:30pm (Kernan) ENGLAND FRANCE The new 25kW French colonial S. W. xmtr. at Les Essarts le Roi, near Paris, France, was officially inaugurated on Mar. 23. The new station, which together with the Pontoise xmtrs. is now known as "PARIS MONDIAL, "replacing the former "Radio Coloniale," operates on a regular schedule as follows: 1-3am, on 9.57mc, to E. Mediterranean and N. Africa, with TPA3 (11.885), Pontoise, to Africa, Near East, and Austral 8:30-10am, on 17.78mc, to Indo China, with TPA2 (15.243), which starts this transmission at 5em; 10:15am-5pm, on 9.57mc, to E. Mediter ranean, and N. Africa, with TPA3 (11.885), to Africa, and S.A.; 6-8:15pm, on 15.13mc, to S.A., with TPA4 (11.714), to N.A., Eastern C. A. and North S.A.; 8:30-llpm, on 11.885mc, to NORTH AMERICA, with TPA4 (11.714), to N.A. and western C.A. (news in English at 10pm, in German at 10:45pm, in German at 10:45p and S.O. at llpm, with the "Marseillaise"). The complete calls and fre quencies that have been assigned to the new xmtr. are as follows: TPB4 15.295 TPB7 11.885 TPB5 15.24 TPB8 11.845 TPB6 15.13 TPB9 11.72 TP Bl 21.49 TPB10 9.585 <u>TPB13</u> 9.57 <u>TPB14</u> TPB14 6.14 TPB15 6.09 TPB2 17.78 TPB11 6.145 TPB3 17.765 TPB6 15.13 TFB9 11.62 TIBLE 7.7.

The lookw S.W.xmtrs. will be inaugurated later, 9.55 perhaps by the end of this year. . All French radio activities are to be housed eventually in a new Broadcasting House, which is to be built in Paris, but for the present all S.W. reports should be sent to PARIS MONDIAL, 98 Boulevard Hausemann, Paris (****Friedman, SWS, CAM; ***Guilbert, Herz, Ambrosius, Balbi, Gallagher, RBO, Shaffar, T. Smith, Eders, Shaw, Armantrout, Larsen, Clein, Botkin). . TYEL (18.09), heard at 4:10pm (NNRC ERMANY DJO (11.795), transmits to S. A. daily 7:15 to 10:50pm; English news at 10:30pm is given over DJB and DJO, while DJD transmits the news in Spanish (Ambrosius) . (AUSTRIA); OER3 (11.79), still broadcasts on regular sked but under Nazi control and signs-off with GERMANY "Germany, Germany, Over All". Very strong station heard on 11.79, on Apr. 10, 10: 30-11: 45pm testing, was believed to be OER3's new 50kW xmtr. (**Soplop, Wright, Roberts) IRELAND NEW 2kW xmtr. under construction at Moydrum, will be test ing early in fall. Will radiate regular overseas programs (Steinmetz) [SLE OF MAN Amateur G6IA (14.0), will add this country for you (JDM)

Amateur G6IA (14.0), will add this country for you (JDM) New sked: daily, on 11.81mc, 6am-3:56pm and 7 to 8:25pm;

TALY

on 9.635mc, from 4-6:55, and 8:30 to 10pm (2RO, RBO, Larsen, Eders) ORTUGAL CSW, now on 9.74mc, broadcasts daily to 8pm, signing-off with the national anthem (*RBO, Ambrosius, Larsen, Velasco, Pleyte, Shaf-PORTUGAL fer, Loyd, CAM). . CS2WA (9.65), Lisbon, now on Tues/Thurs/Set 3-6pm.
OUMANIA The following ameteurs have been logged recently: ROUMANI A (14.01-14.07-14.265-14.285); YR5KW (14.12), YR5VV (14.135) and YR5CX (14.06) (**Ama-Touring) PAIN "THE VOICE OF REPUBLICAN SPAIN, "MADRID (9.855-9.865), believed to be the former kmtr. of EAQ, went on the air on April 3, and is now broadcasting the following sked. simultaneously with, but carry ing a different program than EAR (9.488): daily, to Europe, 2:45-3:10 am and 3:40-4:10pm; to N.A., 6:30-7 and 7:40-8:10pm (**Shaffar, CAM, LA, Herzog, RBO, Beyer, Olthoff, Larsen, Byrn, Nahas). . Nationalist xmtr. "Radio Bilbao" (7.2) heard around 4pm; "Radio Requette," Madrid (7.21), heard near 4: 30pm irreg. (Shaw), and "ERGU, "Barcelona, Spain (7.155), is heard around 5pm (Shaw-Scotland) WEDEN SM5SX (15.155), heard giving news at 1:15pm, on Mar. 13 (Herzog-NY); heard Sats.4:30-5pm (NNRC). SBP (11.705), Motala, sends SWEDEN These are useless as form 'Thank You' letter in answer to reports. veri's (Clein, Balbi)...Will members kindly send us a list of any stations that send form 'Thank You' letters in place of legitimate veri's, as we would like to compile such a list for the G.C. - Ed. League of Nations trans IV, for N. Z. and Australia, will SWITZERLAND take place on Mondays as follows during May: 1-1:15am over HBO (11.4) and 1:30-1:45am over HBJ (14.535)
URKEY "Radio Turkey," Ankara, reported to have been heard testing on a frequency of approx. 10.7mc, at 10:30pm, in Cuba (Radio Guia)
J.S.S.R. RKI (15.08), now on nightly 7-9:15pm (**Soplop.Wright, Her zog, Eders, CAM). RAN is transmitting on 9.54-55, irreg. (Kernan, Gallagher). NEW: Anti-Stalin, Soviet xmtr., location unknown, went on air on Mar. 27, on 10.03mc, and has since been heard as follows: at 5pm, on 10.225 (Reinhard); at 4:53pm on 9.69, and at 5:47pm on 1lmc (Verbrugghe); at 5:10pm on 10.02mc (Hutchinson). Station always closes transmissions with the "Internationale." U.S.S.R. OUGOSLAVIA YUA (6.1), Belgrade, broadcasts special program to N. A. on 11th, and last day of each month, 7-8:15pm, which are relayed by DJP (11.855) and DZC (10.29). Signal used is first 12 notes of "Song of India" (*Bass, RBO, Kernan) YUGOSLAVIA A new lkw xmtr. will be inaugurated by the Bureau of ABYSSINI A Press and Propaganda at Addis-Abeba, early in 1939 (E. Radio) BECHUANALAND ZNE (5.9). Mafeking, is now broadcasting again, daily from 1 to 2:30pm, and weekdays from 6 to 7:30am. The programs consist of records furnished by the So. African B. C. and a man announcer states "This is ZNB, Mafeking," every half hour (**Mohr)
BELGIAN CONGO OPL (20.04), Leopoldville, phones Brussels about NNRC) . . Brazzaville, broadcasts irreg. on 12.5mc (*Steinmetz)

NNRC). Brazzaville, broadcasts irreg. on 12.5mc (*Steinmetz)
CAMEROONS A new xmtr. at Duala broadcasts on 12.712mc (Steinmetz)
CANARY ILS. EAJL3 (10.37), Tenerife, now relays the Salamanca program
to N.A., daily 8-8:45pm. These broadcasts consist of an English dialogate between Don Rodrigo and Mrs. Wyborn, the latest news from General
Franco's HQ, and a short program of Spanish music (**Herz, NNRC)
TTAL.SOMALILAND ITK (16.38) heard loud at 3am, and 9-loam (Brewer-Ariz)

ELM (5), broadcasts daily noon, and 4pm (Shaw-Scotland)

MADAGASCAR

FB8AH (10.37), heard R8, Mar.22, at 4:15pm, at a time when

practically no U.S. stations were audible on 20 meters (DeMyer-Mich)

MOZAMBIQUE

Sked for CR7BH (11.718) and CR7AA (6.137):daily midnight

-lam, 4-6:30am, 9:30-llam and 12:10-4pm, and Sundays 5-7am and 10am-2

pm. CR7BH being heard on west coast up to about 10:30am. Station veri

fies with an attractive green, black and white card (*Gallagher-NNRC)

SOUTH AFRICA ZRH (6.007), Roberts Heights, being heard nightly ex.Sat. 11:45pm-12:45am. ZRH not heard recently on 9.523mc (*Balbi, Gallagher) SPAN.MOROCCO EA9AH (13.992), Tetuan, 500w, broadcasts in English daily at 4:30, and 7:15pm (NNRC). * "Radio Guardia Civil" (6.5), heard around 4-5pm (Shaw-Scotland)

A S I A N D O C E A N I A

AUSTRALIA VIS (12.7), Sydney, heard calling Empress of Britain, on Mar. 26, at 3:18am (Shaffar). VLR verifies with a letter now, no card

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(Myers). . New address for VK3ME, announced as Amalgamated Wireless.
    Wireless House, 167 King St., Melbourne, Australia (Pratt)
BURMA
                   XYO (6.007), Rangoon, will have a new lkW xmtr.soon (Her-
                    VPB, Colombo, which is Govt. -owned, was opened in 1925.
CEYLON
 operates on 700kC until 6:30am EST, when it shifts to 6.16mc. Power 5kW
                   "Radio Philco"
F.INDO-CHINA
                                          (6.22-24), Saigon, being heard on
 coast 6-9: 30am. Announcements in English & French (*Honda.Gallagher)
 "I used to set my watch regularly by FZS3 in Saigon at 2 to 2:05pm, but due to sun spots haven't gotten it lately" (Prof. Dawley-Kansas)
                   ZBW3 (9.525), signs-off weekdays at llam (*Honda):
  on 9.59, testing and requesting reports on this frequency (*DeMent)
INDIÁ
                    VUD2 (9.59), 10kW, Delhi, broadcasts as follows: Trans. I,
  9: 30pm-mid (starts irreg. at 8pm), and Trans. II, 2-4am. Reports should
 be sent to Chief Engineer C. W. Goyder, Office of the Controller of
 Broadcasting, All-India Radio, Delhi . . VUB2 (9.55, also reported as 9.565), 10kW, Bombay, broadcasts as follows: Trans. I, 9-10: 30pm, and Trans
 II, 1-3:30am . . <u>YÚM2</u>, the new Madras xmtr. was scheduled for opening during April. All stations will radiate overseas programs on 25, and
                                      (***Velasco; **Pratt, Gallagher, Honda, Knee-
  31M bands a little later.
 land, GCDXC, Eders, So. A.R. A., CAM)
JAPAN
                    Overseas hour for Europe, now daily 2:30-4pm, over JZJ,
  and JZI. . JVT (6.75), heard several times lately near 7am under heavy
 CW QRM (*Beyer) . . JVD (15.86), Nazaki, heard phoning KEI, Mar. 26, 10pm; phoning KKP on Apr. 1, at 9pm. . JVO (10.37), heard Apr. 2, at 6am (GCG)
                   Daily from 7: 30pm-2am, YDA, operates on 7.4, and YDB, oper-
JAVA
 ates on 15.3mc (*Soplop). . Sked for PMH (6.727), Bandoeng, daily 4:30-
 llam, and in addition on Sun. 9: 30pm-1: 30am (Soplop). . PMA (19.345),
 heard often 7-9am, phoning with PCK (18.405), using scrambled speech; PMC (18.135), heard once at Lam, phoning with PCK (**Legge-Penna.)
NEW CALEDONIA RADIO NOUMEA (6.122), operated by Charles Gaveua, 44 Rue de C'Alma, Noumea, 25w, broadcasts Tues/Sat 3-4:30am, and all correct
 reports will be verified (***NZDXRA)
NEW ZEALAND
                   Veri' received from ZMBJ (8.84), S.S. Awatea, in 1 month-
  3 weeks. Stated no broadcasts being made from the ship
                                                                                   at present
  (*Kneeland-Mass). . Often phones ZLT2, near mid-lam (Gallagher, JK)
PHILIPPINES KAZ (9.97), Manila, heard phoning, Mar. 18, 9pm (*Gallagher)

PITCAIRN ISL. VR6AY (14.346), has been working amateurs (Particularly
W2IXY), near 8:30-9:30pm, and 1-4am. All NBC programs, which were heard
                                                  All NBC programs, which were heard
 on Apr. 6, 26 and 29, were arranged between VR6AY (15.32), and KEM
  (15.46), on point to point contacts near 8: 30pm. The American engineers
 have left, or will be leaving Pitcairn soon. Andrew Young will here-
 after be the regular op. for VR6AY, and all reports which should in-
 clude N.Z. mint stamps if possible, should be directed to him. (**Mes-
 ser, Gallagher, Jackson, CAM, Ambrosius, DeMent, Hutchinson, DeMyer, Under-
 wood, Jordan, Groves, Nahas, Cress, Richardson, Gallivan, Buitekant, Ansell,
 Eders, Herzog, Hartzell, RBO, Wright, Kernan)
                                                                                      (**Clein)
                    HS8PJ, Bangkok, was back on old freq. of 9.51. on April 7.-
 TRAITS SET. ZHP (9.535), Singapore, heard R7, from 5:50-6:24am (Groves-Mass); heard on Mar. 18,6:47-7am, with excellent signals (T. Smith-Texas
STRAITS SET.
 UMATRA YBG (10.43), Medan, and YBB (7.87), Palembang, both verified by letter in 3 months. Address is: Chief Engineer, 6th Telegraph and
 Telephone District, Medan (**Legge-N.Y.)
                   Veri's give correct call of Taihoku station as JFAK, and
 correct freq. as 9.636mc. News in English given daily at 10am (**Rein
 hard, Myers, Eders, Stark)
                                                                                        -Calif)
                   RV15 (4.275), is very good from 5:30am to sign-off (Honda On 6mc, from 5-5:45am, very weak station playing Oriental
U.S.S.R.
(MYSTERY)
 type music. Announcements NOT in English. Heard irreg. (Clein-Calif.);
 On 11.83mc, heard talking in either Chinese, or Japanese, and playing
 oriental music, on Mar. 20, at Lam (T. Smith-Texas);
SCOOP (*****)-- ECLIPSE OF SUN WILL BE BROADCAST FROM SO. GEORGIA.

AND SOUTH ORKNEY ISLANDS (off Southern tip of S. America), ON SUN., MAY
29, FROM 8:22 to 9:18 A.M. EST. Portable zmtrs. (30-40mc), operating
on both So. Georgia and So. Orkney Islands, will broadcast proceedings,
 which will be picked up by powerful land stations for relay on one of the following exper. channels: 4.8, 6.42, 8.65, 12.865, or 17.31mc's...South Georgia station ZBH (8.205), will also take part. Reports can be sent to the Colonial Sec., Port Stanley, Falkland Isls. (****Thomas)
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SHORT-WAVE BROADCASTING STATIONS SYMBOLS: N-NEW stations; F-frequency change; S-change in sked; B-frequency calibrations by Oxrieder-IDA Frequency Bureau; J- stations persisting in hopping about: V- varying in frequency: * See S.W. notes.
DIAL METERS MEGS. CALL STATION TIME E.S. 13.92- 21.55 13.92 21.54 13.93 21.53 13.94 21.52 Daventry, England GST 6-8am. w8xk Pittsburgh, Penna. \$13.92 13M 5:45am to 10:30am. Daventry, England GSJ. \$13.93 6:30-9am; Sa/Su 7am-noon. \$13.94 W2XE Wayne, New Jersey 7-11am to S.A. W2XAD Schenectady, N.Y. 21.50 \$13.96 5:45am-noon to Africa 13.97 13.99 21.47 Daventry, England GSH 12:05-11am to Asia. Zeesen, Germany 21.45 DJS OLR6A Prague, Czechoslovakia 13.99 21.45 Mondays 8-10am. Sundays 10:45-11:30am. 15.77 16.23 16.56 516.86 HSBPJ Bangkok, Siam 19.02 Geneva, Switzerland HBH 18.48 Fridays 4-5pm (-4pm. 18.115 LSY Buenos Aires, Argen! Mid-2:15,5:45am-noon, 12:20 Daventry, England 17.79 GSG 8am-6pm; Sun 8am-11, 11: 15am W3XAL Boundbrook, N. J. 17.78 \$16.87 (-6pm Essarts, France 8:30-10am * TPB2 <u>CS</u>16.87 17.78 8:25-10:30am ex.Wed & Sun, Huizen, Holland 16.88 PHI 17.77 Sunday 7:25-10:30am. (16 12:05-10am; Su 11:10-12:25 (16M Zeesen, Germany 16.89 17.76 DJE So. Georgia Solar Exped. may test here. *
Djibouti, F. Somaliland June 2/July 7 8-8:30am.
Kahuku, Hawaii | Sundays 8:30-9pm & irreg. 17.31 17.28 17.33 \$17.36 18.71 FZE8 KKP Sundays 9-10am to N.Z. Sat 5-5:30pm & irreg. 8-9am,4:50-10:45pm to C.A. 16.03 15.37 15.36 15.34 15.33 15.32 19.52 HAS3 Budapest, Hungary Zeesen, Germany 19.53 19.56 DZG Zeesen, Germany DJR 11:30-5, and 5-6pm.

M/T/Tn/Sa 7-9:35pm; Su/W/Sa
4-4:10pm; Su 5:15-7:55pm;
5:30-6:35,8:10-8:50am ex.
Sat/Sun. W2XAD Schenectady, N. Y. \$19.57 OLR5B Prague, Czechoslov. \$19.58 1:45-4, 6:20-8:30pm to N.A 7:30pm-2am. * Daventry, England \$19.60 15.31 GSP 15.30 15.29 19.61 YDB Soerabaja, Java 7-9am. (4:50-10:45pm. 12:05-5:50,6-8,8:10-10am-Noon-5pm ex.Sa/Su;Sat/Sun Buenos Aires, Argen 19.62 LRU 19.63 15.28 DJO Zeesen.Germany Wayne, New Jersey 15.27 W2XE \$19.64 1:30-5pm to Europe. 9:20-11:20pm.*(llam-noon * 19.66 15.26 GSI Daventry, England 15.25 15.243 15.23 15.22 15.21 1:30-3pm ex.Sa/Sun; Sunday \$19.67 \$19.68 W1XAL Boston, Mass. 5-10am.* TPA2 Pontoise, France 191 Same as OLR5B (15.32) 319.70 OLR5A Prague, Czechoslov. Tues 3:30-5:30am; Wd 9am-Nn Huizen, Holland \$19.71 \$19.72 PCJ 8am-6pm. (Sun 11:10am-1225 M8XK Pittsburgh, Penna. 12:05-11am, 4:50-10:45pm, Zeesen, Germany 19.74 15.20 DJB Mid-2: 15am, 4: 15-6pm. (330p GSO Daventry, England 15.18 \$19.76 Guatemala, Guatemala 12:45-1:30pm; Su 10:30am-15.17 S19.78 TGWA 15.165 OZH · Skamlebak, Denmark Testing on this freq.irr.* N19.78 Will be in service soon. 19.79 F19.80 JZK Tokio, Japan 15.16 SM5SX Stockholm, Sweden 11am-5pm; Sunday 9am-5pm. 15.155 4:30-10:30am:6-7:30pm ex. YDĆ 19.80 15.15 Bandoeng, Java Sat; 10: 30pm-2am; Sat 7: 30pm Mid-2:15,5:45am-noon,4:15-6-8:15pm to S.A.* (6pm 15.14 GSF Daventry, England S19.82 (6pm TPB6 15.13 Essarts, France CS19.83 Mon. thru Fri. llam-noon.* 15.13 15.12 N19.83 WIXAL Boston, Mass. 10:30-10:45am ex. Sundays. Vatican City, Italy 19.84 HVJ Zeesen, Germany 12-2,8-9,10:40am-4:25pm. 15.11 Zeesen, Germany

Moscow, U.S., S.R.

Rio de Janeiro, Brazil, Wednesdays 4-5pm. (4pm
Sofia, Bulgaria
Geneva, Switzerland
Sun 1:45-2:30pm; Mon 1:301:45am, 6:45-8:30pm.

Zeesen, Germany

Zeesen, Germany

Zeesen, Germany

Zeesen, Germany DIL19.85 19.89 15.08 RKI 14.939 PSE 14.92 LZA 20.08 V20.11 14.535 HBJ \$20.64 14.46 DZH 20.75 7-11pm irreg. 14.44 Malaga, Spain 20.78

HClJB Quito, Ecuador

14.368 Wloxab Reindeer Point, Greenland, Evenings 9-10pm in

Sun 9-9:45pm & irreg.

20.79 \$20.88 14.43

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13.992 EA9AH Tetuan, Span. Morocco 4:30, and 7:15pm.
13.635 SPW Warsaw, Poland 6-8pm; Sat/Sun 6-9pm.
12.862 So. Georgia Solar Frond
SF21.09
   22.00
                            So. Georgia Solar Exped. may be heard here Trujillo City, D.R. 7:10-10:10pm. Reykjavik, Iceland Sundays 1:40-2:30pm.
   23.32
            12.486 HIN
12.235 TFJ
   24.Ó3
   24.52
 24.73
F25.00
            12.13
                     DZE
                                                     Afternoons to Africa irreg
10:15-11pm; Sun 6-7,10-11
                             Zeesen, Germany
            12.00
                    RNE
                            Moscow, U.S.S.R.
                                                     am; Wed 6:30-7:30am.
 F25.00
            12.00
                                                     Approx. 6-7:45pm.
Tues/Fri 8:10-10:10pm.
                            Trujillo, Peru
            11.97
                            Trujillo City, D.R.
   25.06
                    HI2X
            11.92
 N25.17
                    TIXD
                            San Jose, C.R.
                                                     Will be on air shortly.
   25.18
            11.913 CD1190 Valdivia, Chile
                                                     10am-1pm, and 8-11pm.
   25.21
            11.90
                    XEWI
                            Mexico D.F., Mexico
                                                     7:30pm-mid;Su 12:30-2pm
            11.90
11.885
                                                     7:30-9:30pm.
1-3am, 10:15am-5pm.
8:30-11pm. to N.A.
   25.21
                    HP5I
                            Aguadulce, Panama
 <u>8</u>25.23
                    TPÁ3
                            Pontoise, France
 N25.23
            11.885
                     TPB7
                            Essarts, France
 $25.27
            11.87
                    W8XK
                            Pittsburgh, Penna.
                                                     6-10pm.
            11.855
                                                    Irreg. M/T/Th/F 7-9:35pm;Sun 5:15
-7:55pm;9:05-9:55,11:55am-
3:35pm ex.Sun;Su 11:55-445
   25.31
                    DJP
                             Zeesen, Germany
 325.34
                     OLRIA Prague, Czechoslov.
 <u>S</u>25•36
_25•37
<u>S</u>25•40
            11.83
                     W2XB
                            Wayne.New Jersey
                                                     5:30-10pm to S.A.
           11.826
                    XEBR
                            Hermosillo, Mexico
                                                     1-4pm and 9pm-midnight.
           11.81
                     2ROL
                                                     6am-3:56pm, and 7-8:25pm. *
                            Rome, Itlay
 ⊽25.42
           11.80
                     COGF
                                                     8am-midnight.
                            Matanzas, Cuba
 S25.42
           11.80
                     JZJ
                            Tokio, Japan
                                                     7-7:30,8-9:30am,2:30-4,4:3
                                                     -5:30,6-6:30pm,12:30a-1:30
   25.43
            11.795
                     DJO
                            Zeesen, Germany
                                                     7:15-10:50pm.
            11.79
 S25.45
                    WIXAL Boston, Mass.
                                                     4:15-6:30pm ex.Sa/Su:Sa 6-
                                                     6:30pm; Sun 1-6:30pm.
           11.79
11.78
11.77
11.76
11.76
  25•45
25•47
25•49
                     OER3
                            Vienna, Austria
                                                     M. to F. 9am-5pm; Sa to 5:30p
                                                     12:10-2am to Africa.
                    DJF
                            Zeesen, Germany
                    DJD
                            Zeesen, Germany
                                                     10:40am-4:25,4:50-10:45pm.
  25.50
                    TGWA
                            Guatemala, Guatemala Evenings irreg
 <u>8</u>25.50
                    OLRUB Prague, Czechoslov.
                                                    See OLR4A (11.84)
 _25.50
$25.53
           11.76
11.75
                     XETA
                            Monterrey, Mexico
                                                     Noon-3:30pm.
                                                     Mid-2:15,10:45am-noon,1220
-6,6:20-8:30,9:20-11:20pm.
                     GSD
                            Daventry, England
<u>JF</u>25•55
<u>$</u>25•58
25•60
           11.74
11.73
11.72
                     COCX
                            Havana, Cuba.
                                                     7:55am-lam;Sun 6:55am-mid*
                    WIXAL Boston, Mass.
                                                     9-11pm Mon. through Fri.
                     CJRX
                                                     6pm-mid; Sun 3-9:30pm.
                            Winnipeg, Canada
 ਬ25.60
           11.718
                    CR7BH Laurenco, Mozambique 12-1,4-6:30,9:30-11am,-
                                                     12:10-4pm.
 S25.61
           11.713
                    TPAL
                                                    6-8:15pm 8:30-11pm.
                            Pontoise, France
  25.62
           11.71
11.705
                    YSM
                            San Salvador, El Salvador 1-2:30pm. (3am-1:30pm
  25.63
                    SBP
                                                     1:20-2,6-9,11am-1:30pm;Sun
                            Motala, Sweden
  25.64
                            Panama City, Panama
           11.70
                    HP5A
                                                     11am-1pm,5-10pm,Sun 6-10pm
 V25.64
           11.70
11.70
                            Saigon, F. Indo-China 4:30-9:30am.
 J25.64
26.01
                                                    10am-2, 3:30-11pm
                    CB1170 Santiago, Chile
           11.535 SPD
11.402 HB0
                            Warsaw, Poland
                                                    6-8pm; Sat/Sun 6-9pm.
 <del>3</del>26.32
                            Geneva, Switzerland
                                                    Sun 7-7:45pm; Mon 1-1:15am,
                                                     6:45-8:30pm.
                     CSW2
  27.17
           11.04
                            Lisbon, Portugal
                                                     3-5pm.
  27.27
           11.00
                    PLP
                                                     4:30-10:30am,6-7:30,10:30p
                            Bandoeng, Java
                                                     -2am ex.Sat; Sat 7:30pm-2am
           11.00
                            Franco war station Relays EAJ43 irreg. (10-11a
 V27.27
 V27.40
_28.14
                            Tananarive, Madaga scar 12:30-12:45,3:30-4:30,-
Tokio, Janan 1:50-2:20,3:50-7:40am.
           10.95
           10.66
                    JVN
 <u>5</u>28.30
           10.60
                    ZIK2
                            Belize, Brit. Honduras Tu/Th/Sat 8:30-9pm.
  28.48
           10.535
                    JIB
                            Taihoku Taiwan
                                                    Relays JFAK 9:05-9:55am.
₹₹28.93
           10.37
                    EAJ43
                            (Tenerife, Canarias
                                                    1:15-3:30,4-6,6:45-7:45;8-
                                                    8:45pm to N.A.
                            (Salamanca,Spain
           10.33
10.29
 S29.04
                     ORK
                            Ruysselede, Belgium
                                                    12:30-2pm to Belgian Congo
  29.15
                    DZC
                            Zeesen, Germany
                                                    Sat 5-5:30pm & irreg.
  29.24
           10.26
                    PMN
                            Bandoeng, Java
                                                    4:30-10:30am;6-7:30,10:30p
                                                    -2am ex.Sat; Sat 7:30pm-2am
<u>$2</u>9.35
JH29.91
                    PSH
                            Rio de Janeiro, Brazil 6-9pm irreg.
           10.22
           10.03
                            Anti-Stalin Soviet station near 5pm irreg.
```

```
V29.97 10.01 COBC
30.18 9.94 JDY
                                                 6:55am-lam; Sun 6:55am-mid.
                          Havana, Cuba
                                                  7-8am
          9.94
                          Darien, Kwantung
                                                  8am-10pm; Sundays 8-11pm.
 ₹30.43
                          Havana, Cuba
                  COCM
                                                  2:45-3:10am, 3:40-4:10,6:30
          9.855
                          Madrid, Spain
NF30.45
                 EAQ ?
                                                  -7.7:40-8:10pm.
                                                  Relays 2RO 6-9pm.
  30.52
          9.83
                  IRF
                          Rome, Italy
          9.74
9.725
9.70
9.69
                                                  5:30-8pm.
                          Lisbon, Portugal
FV30.80
                  CSW3
                                                  6:50am-lam; Sun 6:55-12:30a
                          Havana, Cuba
                  COCO
VF30.85
                                                  9-10pm; Sun 7-9am.
830.93
V30.93
N30.96
                  TILNRH Heredia, C.R.
                          Fort-de-France, Martinique 6-8pm.
                          BUENOS AIRES, ARGEN. 7-9pm.
                  LRA
                           Guatemala, Guatemala Evenings irreg.
  30.98
           9.685 TGWA
                          Buenos Aires, Argen 9:30am-10:30pm; Sat. to mid.
           9.66
  31.06
                  LRX
                                                Tues/Thurs/Sat 3-6pm.
           9.65
                          Lisbon, Portugal
SJ31.09
                  CS2WA
                          Port-au-Prince, Haiti 1-2, and 7-9pm.
Colonia, Uruguay | Relays LR3 7am-mid.
  31.11
                 HH3W
           9.64
9.636
                  CXA8
 V31.12
                           Colonia, Uruguay
                           Taihoku, Taiwan
                                                  4-10:30am.
                 JFAK
FS31.13
           9.635
9.63
                                                 4-6:55, and 7:30-9pm.
                                                                               (pm
                           Rome, Italy
 331.1L
                  2R03
                  HJ7ABD Bucaramanga, Colombia 5:45-6:30, 11am-1,6-10:30
  31.15
                 HJIABP Cartagena, Colombia Weekdays 9am-1:30pm, 4:30-
           9.618
 $31.20
                                                 10pm; Sun.4:30-9pm.
                           Klipheuvel, S. Africa 11:45pm-12:45am ex. Sat; (31)
           9.61
                  ZRK
 J31.22
                                                  3:20-7:20,9-11:45am.
                           Panama City, Panama Noon-1:30pm,6:30-10:30pm.*
Mexico City, D.F. | 3:30-4:30, 8pm-Midnight *
          9.604 HP5J
9.602 XEYU
 V31.24
  31.25
31.25
                           Moscow, U.S.S.R.
                                                  7-9:10pm for N.A.
           9.600 RAN
                                                  Sun 2-3,7-9pm; Tues 1:45-4
pm; Wed 7-10pm.
                           Huizen, Holland
 331.28
           9.59
                  PCJ
           9.59
                                                  9:30pm-mid, 2-4am.
Weekdays 6-8am.
                  VUD2
                           Delhi, India
 S31.28
                                                                         (12:30pm
                           Perth, W. Australia
                  VK6ME
  31.28
                                                  Sundays 1-3,5-9,10:30am-
11am-7pm, 10-11pm.(11:20pm
                           Sydney, Australia
 331.28
                  VK2ME
                           Philadelphia, Penn.
                  W3XAU
 531.28
                                                  12:17-1:15,6:20-8:30,9:20-
                           Daventry, England
                  GSC
  31.32
                                                    9:35pm-2am, Wkdays 3:30 to
                           Melbourne, Australia
           9.58
  31.32
                  VLR
                                                   8:30am (Sa to 9); Su 3-630a
                                                   1-3am, 10:15am-5pm.
 N31.35
           9.57
9.57
                  TPB11
                           Essarts, France
                                                   6am-lam; Sun 8am-lam.
                           Springfield, Mass.
                  Wlxk
           9.57 KZRM
9.562 OAXLT
9.56 DJA
                                                   5-10am, 4:30-6pm; Sun 4-10am
  31.35
31.38
                           Manila, Philippines
                                                   7-8,11:30am-1:30p,4-6:15pm
12:05-11am,4:50-10:45pm.
9-10:30pm, 1-3:30am. *
                           Lima, Peru
                           Zeesen, Germany
BOMBAY, INDIA
  31.38
                   VUB2
 N31.41
           9.55
                                                   4:30-10:30am;6-7:30,10:30p
           9.55
                  YDB
                           Soerabaja, Java
   31.41
                                                   -2am ex.Sat; Sat 7:30pm-2am
                                                   Dly, 11:55am-3:35pm; Mon/Tue
                           Prague, Czechoslov.
           9.55
                   OLR3A
 S31.41
                                                   3:40-4pm.
           9.55
9.55
9.54
                                                   6:30-10pm to S.A.
                           Schenectady, N.Y.
 $31.41
                  W2XAD
                                                   7:30pm-midnight.
   31.41
                  XEFT
                           Veracruz, Mexico
                                                   4:50-10:45pm to So.America
   31.45
                  DJN
                           Zeesen, Germany
           9.538 VPD2
                                                   5:30-7am ex.Sundays.
2:30-4, 4:30-5:30pm.
3-5; 5-11pm to S.A.
5:30-7am.
   31.46
                           Suva, Fiji's
           9.535 JZI
9.53 W2XI
9.53 ZHP
9.526 LKJ
 31.47
831.48
                           Tokio, Japan
                  W2XAF
                           Schenectady, N.Y.
   31.48
                           Singapore, S.S.
                  LKJ1 (LKC) Jeloy, Norway
                                                   4:30-10:30am; Sun 2:30-1030
   31.49
           9.526
9.525
9.523
                            Guadalajara, Mexico Noon-4: 30pm, 8-11: 30pm.
JV31.50
                  "XE DQ
                           Hong Kong, Hong Kong 4-llam; Sun 3-9:30am etc.
 331.50
                   ZBW3
                            Roberts Hieghts, S. Africa 11:45pm-12:45am ex.
                   ZRH
   31.50
                                                   Sat; 5-7:30am; Sun 4-5am-*
           9.52
9.52
9.51
                                                   8-11am, 6-10pm.
                   HJ6ABH Armenia, Colombia
  S31.51
                                                   2-4; 4-6:45pm to N.A.
  31.51
831.55
                            Skamlebak, Denmark
                   OZF
                                                   Mid-2:15am,12:20-6,6:20-
                   GSB
                            Daventry, England
                                                   8:20, 9:20-11:20pm.
31.55
F31.55
31.58
31.58
FV31.61
                            Buenaventura, Colom Mon/Wed/Fri 8-11; Su 6-8pm.
           9.51
                   HJU
                                                   Thursdays 8-10am.
                   HS8PJ
                            Bangkok, Siam
                            Mexico D.F., Mexico 9am-midnight.
            9.50
                   XEWW
            9.50
9.50
9.49
                   PRF5
                            Rio de Janeiro, Brazil, 4:45-5:55pm ex. Sundays
                            Melbourne, Australia 4-7am except Sundays.
                   VK3ME
                   OAX5C
                            Ica, Peru
                                                   8-11:30pm. (-7,7:40-8:10pm
  $31.62
                                                   2:45-3:10am, 3:40-4:10,6:30
            9.488 EAR
                            Madrid, Spain
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9•445
9•43
9•38
  31.77
31.81
                    HCODA
                              Guavaquil, Ecuador 78:15-10:15pm ex. Sundays.
                    COCH
                                                       8am-11pm; Sun 8am-10pm.
                             Havana, Cuba
  31.98
                              Tananarive, Madagascar 12:30-12:45,9-10am, 330;
            9.354
9.348
  V32.07
                    HCLETC
                              Quito Ecuador
                                                     8-11pm Saturdays
                              Fort-de-France, Martinique 5:30-6:30am, 7-8pm.
  32.10
            9.34
9.29
                    OAXLJ
  32.12
                             Lima, Peru
                                                       Noon-3, and 5pm-midnight #
   32.29
                    HIG
                              Trujillo City, D.R.
                                                       7:30-9am, Noon-2:30,4-9pm.
FJ32.49
            9.235
                    HC2CW
                              Guayaouil, Ecuador
                                                       7-11pm; Sundays 3-5pm.
 32.59
832.70
            9.205
                    COBX
                             Havana, Cuba
                                                       Relays CMBX 8am-11:30pm.
            9.176
                    HClGQ
                              Quito, Ecuador
                                                       Mon/Wed/Sat 9-11pm.
   32.87
            9.125
                    HATL
                                                       Sun/Wed 7-8pm; Sat 6-7pm.
                              Budapest . Hungary
 32.97
√33.26
            9.10
                    COCA
                             Havana, Cuba
                                                       Relays CMCA 8am to midnite
            9.02
                    COBZ
                             Havana, Cuba
                                                       7:42am-lam.
 V33.48
            8.96
                    COKG
                             Santiago, Cuba
                                                       5-6, 9:30-10:30pm.
                                                       5-6, 9:30-10.30pm.
7-8:15,11:30am-2:30,4:45-
110:15p
 33.94
534.66
            8.84
                    HCJB2
                              Quito, Ecuador
                              Camaguey, Cuba
            8.664
                    COJK
SV34.68
            8.65
                    HJ4ABU Medellin, Colombia
                                                       Weekdays 7-10pm.
 ¥34.97
38.00
            8.58
7.894
                             Managua, Nicaragua | 12:45-2:15, 6:45-10:15pm.
                    YNPR
                    YSD
                             San Salvador, El Salvador, 7-11pm.
  38.12
            7.87
                    HC1RB
                              Quito.Ecuador
                                                       8:30-11:30 pm.
            7.854
  38.20
                    HC2JSB
                             Guayaquil, Ecuador | llam-2pm, 4-11pm.
            7.492
7.445
7.41
  40.04
                             Franco war station evenings irreg.
 N40.30
                    TIRS
                             SAN JOSE, COSTA RICA 7-11pm.
  40.49
                    HCJBL
                             Portoviejo, Ecuador Evenings irreg.
            7.41
7.38
7.355
7.177
7.10
7.10
  40.65
                    XECR
                                                     Sundays 6-8pm.
                             Mexico D.F.
  40.86
                             Franco war station Evenings irreg.
  41.80
                    CR6AA
                             Lobito, Angola
                                                       Wed/Sat 2:30-4:30pm.
  42.25
                    FO8AA
                             Papeete, Tahiti
                                                     Tues/Fri 11pm-12:30am.
  42.25
                             Guatemala, Guatemala Evenings irreg.
                    TG5
  44.18
            6.79
                    PZH
                             Paramaribo, D. Guiana Mon/Wed/Fri 5:41-8:41pm.
            6.775
6.763
 28 مىلىلە⊽
                             San Pedro, D.R. 7:40-9:10pm; Sun 5:20-6:40p
Trujillo City, D.R. 7:10-8:40pm; Sun 9:40-1040p
                    HIH
FV44.36
                    HI7P
            6.747
6.747
6.687
 V44.47
                             Franco war station, Evenings irreg.
 二山。51
5山。60
                                                       Sundays 5-7pm.
4:30-llam; Sun 9:30pm-1:30a
                    HC1TO
                             Quito, Ecuador
                    PMH
                             Bandoeng, Java
 ₽₩.86
                                                       7-10:30 pm.
                    TIEP
                             San Jose, C.R.
  14.96
            6.672
                             Franco war station
                                                       Relays Radio Nacional irr.
 N45.45
            6.60
                   н16н
                             TRUJILLO CITY, D. R.
                                                       Signs-off at 10pm.
 B45.22
            6.635 HC2RL
6.63 HIT
6.626 PRADO
                                                       Sun 5:30-7:30pm; Tu 9-11pm.
12:10-1:40pm, 4:40-8:40pm.
                             Guayaquil, Ecuador
 45.25
                             Trujillo City, D.R.
 B45.29
                             Riobamba, Ecuador
                                                       Thursdays 9-11pm.
           6.626 PHAIX
6.61 YNLG
6.565 HI4D
6.555 TIRCG
6.545 YV6RE
6.537 YN1GG
6.52 YV4RE
6.50 HIL
6.485 YV3RE
 ₩5.39
₩5.70
                             Managua, Nicaragua
                                                       1:30-2:30, 6-10:15pm.
                                                       Heard irreg. in evenings. 5:10-8:10pm ex.Sundays.
                             Puerto Plata, D.R.
  45.76
45.80
                             Trujillo City, D.R.
                             San Jose, C.R.
                                                       Tu/Th/Sa 6-7pm; Sun 8-10pm.
                    TIRCC
___45.84
FJ45.89
                                                       6:30-9:30pm ex.Sundays.
1-2:20pm,8-10pm ex.Sundays
                    YV6RB
                             Bolivar, Venezuela
                    YNlGG
                             Managua, Nicaragua
 V46.01
                    YVLRB.
                                                       10:30am-1:30pm,5:30-9:30pm
12:30-2,6-8,or 9pm ex.Sun.
                             Valencia, Venezuela
  46.15
46.26
                             Trujillo City, D.R. Santiago d.l.c. DR.
                                                       Weekdays 5:30-9:30pm.
           6.465
6.45
6.43
6.416
 S46.41
                                                      11:30am-1:30pm,5:30-9:30pm
5:10-7:40pm ex.Sundays.
5:40-7:10pm ex.Sundays.
                    YV3RD
                             Barquisimeto, Venez
46.51
SF46.66
                    нци
                             S.F.de Macoris, D.R
                    HILS
                             Santiago, D.R.
                             Bolivar, Venezuela
                                                      10:30am-1:30pm,4:30-9:30pm
7-9:30am,12-2,4-11:30pm *
  46.77
46.80
                   YV6RC
            6.41
                    TIPG
                             San Jose, C.R.
 F46.88
            6.40
                    TGQA
                             Quezaltenango, Guatemala, 9-11pm ex. Sat/Sun; Sat
                                                       9pm-lam; Sun 1-3pm.
  46.88
                    YV5RH
                             Caracas, Venezuela 5-9:30pm ex. Sundays.
Las Vegas, D.R. In evenings. (night irr. *Basseterre, St. Kitts 4-4:45; Sun 10-11am; Sat.-
            6.40
           6.388
6.384
6.38
6.365
6.357
6.357
 46.97
546.99
                   ні8л
                   VP2L0
  47.02
                    YV5RF
                             Caracas, Venezuela | llam-lpm, 5:30-9:30pm ex.Su
  147.14
                    YVIRH
                             Maracaibo, Venezuela 10:30am-1:30,4:30-10:30pm
  47.20
                             San Pedro Sula Honduras 7:45-10pm ex. Sundays. Trujillo City, D.R. Tues/Fri 8:10-10:10pm.
                   HRPl
 47.32
47.36
47.43
47.54
47.62
                   HILX
           6•334
6•324
6•31
                   OAXLA
                             Chiclayo, Peru
                                                       8-11pm.
                             Havana, Cuba 6:55-lam; Sun 9:55am-l0pm. 5:10-7:40pm ex. Sundays.
                   COCW
                   HIZ
                             Maracay, Venezuela 6-11pm except Sundays.
                   YVLRD
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6.295 OAXLG
6.29 HIG
                                            7pm-midnight.
                       Lima, Peru
47.66
                                             7:30-9,11:40am-2,3:40-8:40
                       Trujillo City, D. R.
                                             4:30-9:30pm, or later.
                       Caracas, Venezuela
        6.27
               YV5RP
V47.85
        6.255
                       Caracas, Venezuela
                                             5:30-8pm.
-47.96
▼48.05
               YV5RJ
                                             5:25-10:10pm, or later.
                       Trujillo City, D.R.
               HIN
                                             8-11pm; Sun 4-6pm.
        6.235
                       La Ceiba, Honduras
               HRD
 48.11
                                             11:30am-1pm,5:45-8:45pm.
               YV1RG
                       Valera, Venezuela
 48.19
                       Saigon, F. Indo-China 6-9:30am.
         6.22
 48.23
                                              6-11pm ex. Sat/Sun; Sat 6
        6.21
                       Guatemala, Guatemala
               TG2
V48.31
                                             pm-lam; Sun 7-llam,
                                                                   3-8pm.
                                             6:30-9:30pm ex.Sundays.
48.35
V48.39
V48.39
V48.47
         6.205
               YVIRI
                       Coro, Venezuela
                                             Sun/Tues/Fri 6:40-8:40am.
        6.20
                       Kuala Lumpur, FMS.
                ZGE
                                             5:40-7:40pm.
        6.20
                        Trujillo City, D.R.
               HI8Q
                                             10:40am-1:40pm,6:40-9:40pm
                       Santiago, D.R.
        6.19
               HILA
                       Mexico, D.F., Mexico
                                             7-11:30pm.
BUB.60
         6.172
               XEXA
                                             3:30-10pm; Sun 8am-10:30pm
                        Caracas, Venezuela
               YV5RD
         6.156
B48.73
                                             6-7am, Noon-2pm, 6-9:30pm.
                        Moca City, D.R.
               HI5N
BUB.78
         6.15
                        Vilarrica, Paraguay Best heard 5-6pm.
 48.78
         6.15
                ZP14
                                             6pm-mid; Sun 3-9:30pm.
                        Winnipeg, Canada
         6.147
                CJRO
748.78
                        Bulawayo, S. Rhodesia Su 3:30-5am; M/W 1:15-3:15
 48.81
         6.147
                ZEB
                                             pm; Tu/T llam-Nn, Th loam-
                                             9:30am-lpm, 5-11:30pm.
         6.145 HJ4ABE Medellin, Colombia
s48.82
                        Pittsburgh, Penna. | 10pm-mid. (12:10-4pm.
         6.146 W8XK
 48.86
                        Laurenco Marques, Moz. 12-1,4-6:30,9:30-11am,
         6.137
                CR7AA
348.88
                        Halifax, N.S., Canada Irregular. (Su 4:45-6:45pm
         6.132 VE9HX
 48.93
                        Georgetown, B. Guiana 10:15-11:15am, 3-7:45pm;
V48.94
         6.13
                VP3BG
                                             10:30am-5pm.
 48.94
         6.13
                TK11
                        Jeloy, Norway
                                             10am-mid; Sun 10am-10pm.
         6.13
 48.94
                COCD
                        Havana, Cuba
                        Montevideo, Uruguay 8am-noon, 2-10pm.
NOUMEA, NEW CALEDONIA Tues/Sat 3-4:30am.
                CXAL
         6.125
VL8.98
         6.122
749.00
                        Panama City, Panama 6-10pm; to mid.
                                                               irreg.
         6.122 HP5H
₹49.00
                                             10:30-11:30pm.
                W2XE
                        Wayne, New Jersey
         6.12
349.02
                        Mexico D.F., Mexico 9am-1pm, 7pm-2am.
BL19.04
         6.117 XEUZ
                                             6:30-9:30am.
         6.11
                VPB
                        Colombo, Ceylon
V49.10
         6.108 HJ6ABB Manizales, Colombia 5:30-10pm ex.Sun; Sat to 11
 49.11
                                             6pm-mid; Sat/Sun 5pm-mid.*
                        Boundbrook, N.J.
         6.10
                W3XAL
S49.18
                                             Mid-lam.
                        Chicago, Illinois
S49.18
         6.10
                W9XF
                        Belgrade, Yugoslavia 1-3,6:30-8:30am, Nn-6:30pm
Klipheuvel, So. Africa 11:45am-4pm; Sun Nn-3:20p
         6.10
<u>v49.18</u>
                YUA
 49.20
         6.097
                ZRK
                        Johannesburg, S. Afr. 11:45pm-11:30am,
         6.097
$49.20
                ZRJ
                        Jalapa, Vera, Mexico Heard irreg.
         6.09
                XEBF
 49.26
                                              7-11pm ex.Sunday.
         6.085 HJ5ABD Cali, Colombia
 49.30
 49.30
         6.085
                VUB2
                        Bombay, India
149.30
149.32
149.33
                        Guadala jara, Mexico
                                             Evenings irreg.
         6.085
                XECU
                                              6-6:30am;11:45am-2:45pm &
         6.083
                VQ7L0
                        Nairobi, Kenya
                        Maracaibo, Venez.
                                              5-10pm.
         6.081
                YVIRD
                                              7pm-1:30am ex. Sundays.
         6.077
                OAXLZ
                        Lima, Peru
                                               4:15-8:15pm; Su 7:45-10:45
 ₹49.38
                VP3MR
                        Georgetown, B. Guiana
         6.075
 49.49
49.40
                                              7pm-mid. except Sundays.
                        Bogota, Colombia
         6.073
                HJ3ABF
                                              9am-5pm; Sat to 5:30pm.
         6.072
                OER2
                        Vienna, Austria
                                              7:30am-mid; Sun llam-mid *
  49.42
         6.07
                CFRX (B)
                          Toronto, Canada
                                              1:30-5pm.
                        Motala, Sweden
  49.46
         6.065
                SBO
                                              7-10pm; Thurs 7-9pm.
                                                                       (7pm
                        Philadelphia, Penna
 49.50
                W3XAU
         6.06
                                              5:45-7pm; 10pm-lam; Su 7a-
                WEXAL
                        Cincinnati, Ohio
         6.06
  49.50
                                              6:46-8:46am.
 49.53
49.56
49.63
         6.057
                        Penang, S.S.
                ZHJ
                        Pereira, Colombia
                                              9am-noon, 6:30-10pm.
          6.053
                нј6ава
                         Tampico, Mexico
                                              7-11pm.
                                                                  -Sun AM.)
          6.045
                XETW
                                             6:30-11pm ex.Sun(to 2:30am
 V49.65
          6.012 HJ1ABG
                        Barranquilla, Colom
                                              7-8:45pm Monday thru Fri.
          6.04
                         Boston, Mass.
                 Wlxal
 S49.67
                         Panama City, Panama llam-lpm, 6-10pm.
          6.033 HP5B
 B49.73
                VE9CA
                         Calgary, Alta, Canada 10am-2am.
  49.75
          6.03
                RV59
OLR2B
                                              5-6pm and 10-11pm irreg.
                         Moscow, U.S.S.R.
 J49.75
          6.03
                                              Wed 4:15-4:30; Th 3:40-4pm.
 549.75
49.81
                         Prague, Czechoslov.
          6.03
          6.023
                                               10pm-lam
                XEUW
                         Veracruz, Mexico
                                               10:40am-4:25pm to Africa.
  49.83
          6.02
                 DJC
                         Zeesen, Germany
                                               4:40-9:40pm ex. Sundays.
 V49.86
          6.017 HI3U
                         Santiago, D.R.
                                               5-9pm.
          6.015 PRA8
                         Pernambuco, Brazil
  49.88
          6.013 HJ3ABX Bogota, Colombia
                                               5:30-11:30pm; Sun 6-11pm.
  119.89
```

-Clyde Criswell-

RESUME: Reception above 20mc has been very poor of late. INDICATIONS FOR 5 METER DX: via Sporadic E layer appear excellent for late April, and early May.

NEW STATIONS: W8XRZ,150w,will relay WJR, Detroit, on 31.1, 34.6, 37.6, or 40.6mc; lkW, for W.G.H. Finch, of N.Y.C., to work on 31.6, 35.6, 38.6, or 41 mc; 500w, non-commercial broadcast station for Cleveland City Board of Education, to work on 41.5mc. . . The QRA for W8XUY (31.6), is Central States Broadcasting Co., Omaha, Neb; verifies promptly; W3XIR (41), came on air in February. Relays WCAU and is badly QRM ed by W2XHG.

NEW QSL CARD: W6XKG, now has a QSL card, printed in two colors on a blue background. It is quite attractive. W6XKG is on 25.95mc, regularly. HEARD: W8XOY (31.6), Box 830, Akron, Ohio, is the loudest, and newest station on this band. They request reports but no veri's have been is-

station on this band. They request reports but no veri's have been issued as yet . <u>W2XEW</u> (31.6), Press Wireless, has been testing with tone signal daily from morning to night, and ruining reception of broadcast stations. Purpose unknown . . A new station for commercial use has been testing for several weeks near 35mc, around 4pm. Call is reported to be <u>HJ3A</u>, Barranquilla, Colombia. It has been heard frequently as late as 6pm EST, working duplex. A woman talks frequently and only Spanish is used. . <u>W1XOC</u>, a 15w Harvey rig atop a forest fire tower on Cape Cod, Mass., verified promptly by air-mail. . <u>W2XSO</u> (37), White Plains, N.Y. Police, was heard testing with Car 6, recently.

DATA: Italo Martino advises WIXOU (39.7, may change to 40.3mc shortly) 15w, is testing almost daily, and appreciates reports which should be sent to 750 Main St., Hartford, Conn. . The 2nd Signal Corps Station Commander requests listeners in the west to be on the look-out for WPV Governors Island, N.Y., testing on freqs. from 50 to 120mc. . WIXMX, which causes so much QRM on 41, is a facsimile xmtr. atop Mt. Washington, N.H.

"I have been running 5 meter tests with Phoenix, Arizona, hams over a 40-50 mile path. Have heard 3 transceivers with only a 19-tube for transmission 45 miles across the mountains on my new Acorn Super."

(Clyde Criswell. Mission Ranch. Phoenix)

V49.92	6.01	coco	Havana, Cuba	6:55am-midnight.	
49.92	6.01	CJCX		7am-1:30, 4-8:30pm.	
S49.92	6.01	9MI	S.S.Kanimbla	Sun and irreg. 7-7:30am.	
49.94	6.007			Heard 9-9:45am irreg.	
\$49.94	6.007		Roberts Heights S	Afr. 11:45pm-12:45am,5-7:30	
	0.001		nobol of not group, b.	am, 10am-3:30pm.	
S49.94	6.007	ZRJ	Klipheuvel, S. Afric	2 2 20 linm	
V49.95	6.005		Montreal, Canada	7:45am-lam; Sun 9am-11:15pm	
V49.95	6.005			7-9am,12-1pm,6-11pm.	
49.99	6.002		Monteviedo, Uruguay	7.30-10.30	
50.00		XEBT	Mexico D.F., Mexico	110am-1:15am	
50.20	5.977		Lisbon, Portugal	2:30-5:30pm; Sun/Thur 6-7am	
50,21	5.975	OAXLP	Huancayo Peru	9-11pm.(10:36am-12:36pm. *	
50.51	5.94	PJCI	Curação, N.W.I.	M/W/F 6:36-8:36pm; Sun-	
50.51	5.91	TG2X YV1RL HH2S	Guatemala Guatemal	a M/W/Sa 9-10:30pm.	
\$50.55	5.935	YVIRL	Maracaibo, Venezuela llam-lpm, 4:30-10:30pm.		
S50.55 JF50.63	5.925	HH2S	Port-au-Prince . Hai	ti 7-11pm ex. Sundays.	
50.73	5.913	YVLIRH	Valencia, Venezuela	15-9:30pm	
50.81	5.905	TILS		Noon-2:30pm, and 6-11pm.	
50.85	5.90	ZNB		and 1-2:30pm;6-7:30am ex.Su;	
V50.89	5.895	YV3RA	Barquisimeto. Venez	5:30-9:30pm ex.Sundays.	
50.98	5.885	HI9B	Santiago D.R.	5:30-9:30pm ex.Sundays. 6:40-8:40pm.	
851.07	5.875	HRN	Tegucigalpa, Hondur	as 6-10, or 10:30pm.	
51.24	5.855	HILJ	San Pedro, D. R.	11:40am-1:40pm,6:10-8:40pm	
51.32	5.845	YVlRB	Maracaibo, Venezuelo	a 10:45-12:40pm,4:30-9:30pm	
V51.51	5.824	TIGPH	San Jose, C.R.	Nn-2pm. 7-11pm ex.Sundays.	
51.72	5.80	YV5RC	Caracas, Venezuela	4-10pm; Sun 8:30-11:30,3:30	
52.08	5.758	YNOP	Managua, Nicaragua	8:30-10:30pm ex.Sun(-9:30p	
FJ52.22	5.745	YV2RA	San Cristobal, Vene	z. 5:30-9pm ex.Sundays.	
52.51	5.713	TG25	Guatemala (mobile)	8:30-llpm irreg.	
\$58.31	5.145	OKIMPT	Prague, Czechoslov.	Fr 3:40-4pm; Sa 3:25-4:30pm	
NOTE: For Colombian			band refer to April	l Globe Circler- Ed.	

BROADCAST BAND DX

"Have been able to verify all of the Bulgarian xmtrs. this season, and am particularly pleased with a veri' from "Radio Verna" (1275kC) ... This station is located on the edge of the Black Sea, and was log-ged between 12:05 end 12:30am EST, Stara Zagora was heard in A.M. and P.M. both, as was Sofia ... Melnik, Czechoslovakia, moved to 1113kC, on April 10, Moravska-Ostrava, moved to 1205, and old Prague II was deleted. Fecamp, France, moved to 1411 kC, and Bergen, Norway, is now on the long-waves, on same frequency as Oslo, 260kC ... Veri' received from PRG2, Sao Paulo, Brazil, reports present freq. as 1040kC ... Veri' from TIXD, C.R., states station is put-ting 500w S.W. xmtr. on 11.92mc's. ... Brezilians logged and reported to are: PRD2-PRI 3-PRA8-PRE3-PRH9-PRE7-PRG9-PRE2-PRG3. Unidentified PR's heard on 566-1117-1130-1196-1305 and 1430kC. The one on 1196, may be PRE3, as I don't hear him on 1176 anymore. The one on 1130, signing off at 9pm EST, with the nation al anthem is the best received PR. ... Veri's received here during the past month: (LW) Kaunas-Moscow I-Minsk-Motala-Lahti--Oslo-Hilversum I, and (MW) Warsaw II-LT3-TIXD-TG1-PRG2-Stera Zagora-YV1RF-Varna-Stavenger-Naples-Sofia-Radio Lyons, and "Radio Nacional," Salamance, Spain, now on 1285kC, and with relays being heard on 850, 1258 and 1467kC" (Evan Roberts, Danvers, Mass) on Apr. 3, KHBC, heard here R8; on

On Apr. 3, KHBC, heard here R8; on Apr. 4, 1YA was heard, and on 10th, 1YA was R6 at sign-off at 5:04am EST; 2YA was R7 on same morning, and heard unidentified station on 760kC (Rebensdorf-Harverd, III.)

The BCB TA's showed up for a few days during last part of March, and were quite strong in early evenings. Seemed like old times. Domestic reception is also better than early in season (Peters- N.S.)

CMBQ (680) verifies with a small but neat card. CMBL (710) verifies by letter. XEP (1160), Juarez, heard Mar. 20, at \$\frac{1}{2}\text{ (716)}\$ y letter. XEP (1160), Juarez, heard Mar. 20, at \$\frac{1}{2}\text{ (720)}\$ EST, and reported to with new U. S. stemps enclosed, promptly verified ... XELO (670), Tijuana, heard on Mar. 27, at 3:10am. ... CMHJ (1160), Cienfuegos, heard on DX program, Mar. 10, verified with a beautiful scenic photo-card, which stated I sent 3rd furthest report. ... XET (690) heard Mar. 20, at \$\frac{1}{2}\text{ (690)}\$ heard Mar. 20, at \$\frac{1}{2}\text{ (am, verified promptly, with same card used by XETA. CMBY (970) heard on special dx program of Jan. 9, sent a

Very handsome modernistic card ... CMQ (600), at 3:30am on Mar.12, was one of the most powerful signals ever heard on the BCB...On Mar.25, at 8:15pm EST, A Spanish speaking station on 1350kC, said, "We now continue with our Empire program." Can anyone identify? (Shaffar-Iowa

DX has been very fair during the past 6 months, especially the Americans, Europeans and Easterns, but static has been bad. New veri's to hand are: LSll-IRl-Nurnberg-Monte Ceneri-Gleiwitz-Nurnberg-Florence-Nyireghyhazer, Magyarovar-Linz-Warsaw 2-WABY-WMBO--WSJS--WPRA-KSLM-KWOS (first in NZ) and Singapore. The new stations in Rome (1222), Sofia (850), and VUL, Lahore (1086), are coming in well. Very few China stations are heard (Currie-N.Z.)

Latest veri's here are <u>Klagen</u>furt, Austria, meiled two days before Hitler took over Austria, and

ZNS (Lippincott-Mass.)

- URUGUAY BROADCAST STATIONS

City	Call	Kilocycles	Watts
Canelones	CW47	1480	250
Colonia	CW37	1400	4,500
Durazno	CW25	1430	500
Florida	CW33	1200	75
Lavalleja	CW43	1470	100
Montevideo	CX4	610	1,000
n .	CX6	650	10,000
11	CX8	690	500
**	CX10	730	1,000
11	CX12	770	1,000
n	CX14	810	5,000
11	CX16	850	10,000
11	CX18	890	1,000
11	CX20	930	2,000
TT	CX22	970	250
н "	CX24	1010	2,500
70 H	CX26	1050	2,000
	CX28	1090	3,000
11	CX30 *	1130	500
11	CX32	1170	500
Ħ	CX34	1210	500
H	CX36	1250	250
tt.	CX38	1290	5,000
n n	CX40	1330	500
ii .	CX42	1370	500
je	CX44	1410	500
n	CX46	1450 /	1,500
6	CX48	1490	1,500
	CX50	1530	300
Paysandu	CW35	1240	250
- 11	CW39	1320	100
Rivera	CW19A	1340	50
Rocha	CW19	1340	50
Salto	CW23	820	250
u,	CW27	680	250
п	CW31	1120	250
San Jose	CW41	1360	50
н	CW47	1460	100
Soriano	CW29	1080	50

International

Published Monthly Excepting July



Ax'ers Alliance

CHARLES A. MORRISON BDITOS

VOLUMB 6

BLOOMINGTON, ILLINOIS, U. S. A.

ю. 5

ITORIAL YOU sometime during month of May, send us the name of one or more prospective members for the IDA? We will immediately forward sample copies of our publications and information on the club to each. This simple request not cause you much trouble. and may be the means of giving us a banner month to finish an otherwise quite successful season.

MEMBERS EXCHANGE CORNER Hadley Wilcox, 623 West 40th Pl., Los Angeles, Calif. (will exchange QSL cards 100%) . . Wm. Wheatley, 130-30 90th Ave., Richmond Hill, NY (wishes to exchange QSL cards) . . Elwin T.Smith, Harrah, Wash. (wishes his friends to know he is now at "The Apple Orchard," 2208 Orange St., Dallas, Texas, for an indefinite stay.

CHAPTERS

ACC (Auto City Chapt. -Detroit): IDA Vice-Pres. and Dist. Director. John DeMyer, was an informal guest at the Chapt. meeting on April 19. ...J.R. Sedano, interpreter, employed by Chrysler, who has just returned from a trip to Mexico, spoke about the Mexican S.W. stations The winners in ACC's recent dx contest 1st- Morris Vanderhaeghe follow: (230.9 points); 2nd- Harry Lueth (197.6), and 3rd-Dick School (148). .. The very popular, "SWL Chatter-Box" program, sponsored by ACC, is now being held on Thursdays, at 10:45 p.m. EST, over W8XWJ (41).

BETA AND SOUTH JERSEY (N. Y. C., and Haddon Heights, N. Y.). An informal get-to-gether of the members of Beta, and South Jersey, chapters, was held on April 30, Later Beta expects to the repay visit. Beta chapter ordinarily meets on alternate Saturday evenings at the home of Ed. Goss. 812 Prospect Place, Brooklyn. All dx'ers are welcome to these meetings.

<u>DELTA</u> (Lansing): The regular Del ta meeting was conducted at the home of Alf. Debicki on April 5. A local ham, W&XSR, was a guest. The next meeting will be held at the



Above is a photograph showing the charter members of the "Windy City," Chicago Chapt. of I.D.A... This chapter meets on the 2nd.Wednesday of each month, at the Central YMCA,19 So.La Salle St., at 8pm..All dx'ers in the area welcome.

home of Howard Eck, of East Lansing FOREST CITY (London, Canada): The chapt. has elected officers, is meeting regularly, and plans to be well organized by next Fall. Inform ation concerning meetings can be had from Jas. Pratt, 639 Lorne Ave.

REGINA JUBILEE (Regina): On Mar. 24, an impromptu surprise party was held for Mrs. Baird, who was leaving for Victoria. A regular business meeting was held the first Sun. in April. A social meeting will be held soon at Wm. Ansell's at which time plans will be laid for a proposed out-door get-together sometime in the summer.

NEW I.D.A. MEMBERS

Wes Sammis, Haddonfield, N.Y; H.Wilcox, Los Angeles, Calif; J.F. Hoak, Upper Darby, Penna; R.Gard, Frankfort, Ind; James Forrest, Auckland, N.Z; F.J.McDonald, Tucson, Ariz; A.Christer London, CAN; J. Kernan, Boston, Mass; H. Ward, Jr, Sherbrooke, CAN; G.Schraplau, Prescott, Ariz; W.A. Byrn, Jr, Nashville, Tenn; Miss M. Holden, New York City, NY; J.Welsh, Kingston, Ill; E. Marcelli, St. Thomas, VIRGIN ISLANDS; Prof.E.R. Dawley, Manhattan, Kans; H. Burrall. Sr, Albuquerque, N.M; N. Ebbing, Portland, Ore; H. Cram, Portland, Me; F. Hutchings, Auckland, N. Z; F. E. W. Howe, Somerville, Mass.

(June 1.

6TH DISTRICT BROADCAST BAND HONOR ROLL

27X N.Y. CE62-CX34-HAE3-Dresden-Konigsberg (1348)-LS8 R. TOMLINSON LT3-HAE-HAE3-LS9-Gleiwitz-EAJ15-Poste de L'ile-HAEL-LKD-Antibes-LU7 Klaipeda-Grénoble-CX38-Burghead-Bragenz-Blaaderen-Saarbrucken-RV36-17X 0HIO VQ7LO-NRH-EAJ5-LOV-Santo Paulo-FN (HJlABR-Lhati

PRAK-KZRC-Warsaw-2BD-G6BM-1YX-VUO-ZBW-ZTJ-CX20-Reykjavik.

11X MICH. Stettin-Freiberg-JOVK-Augsberg-Trier-ZP5-JOCG-HOWARD ECK_ Jerusalem-3KZ-PRA6-Innsbruck.

10X 0HIO LV1-TIC-5DN-EAJ41-JODK2-JFAK-8WMC-Palermo-TG2-2X Mich 12M-6WF D.REYNOLDS 2X N.Y. Eiffel Tower 1X MICH JQAK A.BARTHOLOMEW 1X N.Y. 3LK (Riga I.GOODEVE J. DEMYER -7TH DISTRICT BROADCAST BAND HONOR ROLL-

52X MASS Bergen-Norkopping-Hudiksval-Upsalla-Warsaw II-EVAN ROBERTS Danzig-Belgrade-Huizen-Monte Ceneri-Sottens-Berne-RW39-Minsk-Cork-Milan 2-Heilsberg-Parede-Grenoble-L'Ile de France-Bournemouth-Pen mon-Kaunas-Stara Zagora-Sofia-Varna-Cairo I-JOUK-JOPK-JOCG-JOVK-LT3 -JOOK-JOAG-JOEK1-JORK-JOLK-JOKK-CX14-CX16-PRA9-4GR-4RO-4EK-6WF-7ZL-HJN-OAXLA-YV1BC-YV3RC-ZBW-JBAK-Jerusalem.

W.C.REICHARDT 45X MASS. Linz-Brussels 1, and 2-Gent-Kelundborg-OFA-Lah ti (LW)-Juan-les-Pins-Paris (ILLE) -Eiffel Tower-Toulouse-Radio 37-Dresden-Nurnberg-Kaiserslautern-Konigswusterhausen (LW) -Droitwich-Rome II-Christiansand-Katowice-Torun-Warsaw I (LW) -CTlGL-Saffle-Orebro-2AY-3DB-2GB-4TO-1ZB-JOGK-JOBG-JOBK2-JODK1-JOXK-LR10-HIN-PRF4

-HJ3ABH-PRE3-CX26-YV1RF-TILJ-FQN-2WL.

8x MASS.PRD2-PRI3-CPX-LS11-PRG3-YV4RK-HHK-VAS. NOTE: VIC/VAC short-wave honor rolls will be published in June Globe Circler.Get your ratings, or revisions in to your directors at once. -Ed

BROADCAST STATION NEWS ==

ARGENTINA LR 3 (950), Buenos Aires, will increase power to 120kW on - AUSTRALIA NEW: Perth's 2nd National station will be in operation before the end of June; 7EX (1000), "The Examiner," 74 Charles St., Launceston, Tasmania, 500w, opened on Feb. 5... 7DY (1400), Derby, Tasmania, is un der construction; 4QR (940), 500w, Brisbane, on the air. The new South Regional station at Dalby, will be 4QS. . . CHANGES: 2WL, Wollongong, to 500w; 2CA, Canberra, to 2kW; 3UL, Warragul, to 900kC; 7QT, Queenstown, Tasmania, to 680kC; 5SE to 1370kC: 4VL to 570kC...4RK, Brisbane, is expected to change call to 4QK (NZDXRA-Wignall)

CUBA NEW: CMBQ, will operate on 680kC . . POWER: CMBC (950), Havana, has new lokw xmtr.under construction; Power of CMCY (570), Hav-

ana. is now lokw (Radio Guia)

Radio Normandy, Fecamp, has shifted frequency to 1411kC. FRANCE Gorlitz (1231), 2000w relays Breslau; Magdeburg **GERMANY** NEW: (1330),500w.

<u>1TALY</u> NEW: <u>Genos</u> (1140), lokw; (1357), lkw; <u>Rome No. 2</u> (1222), 60kw. NEW: Genoa (1140), lokw; <u>Genoa No.2 (1357),5kW;</u> Rome No. 3

LIECHTENSTEIN A 2kw station is planned for erection at Vaduz. (Feb. 15 NEW: XECL (1100), lkw, 621 Madero Ave., Mexicali, B.C., opened-CHANGES: 2ZR, Nelson, changed to 2YN; 1ZB to 1090kC. NEW ZEALAND SWEDEN Construction on a new lookw station, at Falun, to operate on the station's old frequency of 1066kC, will be started soon (Com. Bul.)

U.S.A. CONSTRUCTION PERMITS GRANTED: KDNT (1420), 100w, Denton, Tex; ... KPAB (1500), 100/250w, Laredo, Tex; --KRIC (1420), 100w, Beaumont, Tex; ... KVNU (1200), 100w, Logan, Utah; --KWOC (1310), 100w, Poplar Bluff, Mo. (FCC) ** Fayetteville, N.C. (1340), 250w; Endicott, N.Y. (1240), 1kw; Holyoke, Mass. (1240), 500w; Huntsville, Texas (1500), 100w; Aurora, Ill. (1250), 250w; Atchinson, Kansas (1420), 100w (NNRC). . . POWER: KAWM, Gallup, N.M. to 250w; KS00 (1110), Sioux Falls, S.D., to 5kw (FCC) . . . WCCO, opened its elaborate new CBS studios at 625 2nd Ave., So., Minneapolis, Minn., on Apr.7; The new \$1,750,000.00 KNX/CBS studios in Hollywood, Calif., were opened on Apr.30, with an 18 hour continuous gala program; New KNX 50kW xmtr., under construction at Torrance, near Hollywood, Calif., will be completed in fall.. WGY's new 625 foot vertical aerial will be put into use soon. KGKO and KTOK join NBC, making a total of 150 stations.

WANTED: By George Williams of HP5J, Panama City, Panama, an inexpensive 30-watt CW and phone, amateur or broadcast transmitter.

PRINTING A RADIO NEWSPAPER





- WOR -RADIO PRINT Name N. J. Barrados, bols (B. 1938. RADIO OPENS VISUAL ERA Utilized by WOR Engineen

Above: A facsimile receiver open, and closed. Right: A reproduction of the first 'radio newspaper !

Radio facsimile- the transmission of reading matter and pictures over the air, is being successfully demonstrated by WOR engineers each morning from 2:15-3 a.m. EST, over the station's channel of 7lokc.

The first broadcast conducted on Feb.10, was directed primarily at a

special facsimile receiver located in L. Bemberger's department store, in Newark. N. J. A two-column description of facsimile and its future possibilities entitled, "WOR RADIO PRINT", was transmitted, the finished product being neatly legible even to detail in a picture.

The finished facsimile page is printed by the receiving mechanism upon a continuous ribbon of paper and may be torn from the receiver in desired lengths. The first broadcasts used a page four inches in width although ten or more inches are quite feasible.

Facsimile receivers are neither expensive or complicated. At the pre sent time a highly efficient receiver costs about \$125, but this price is expected to drop to \$35.00 or even less under mass production.

Other mmtrs. including, WGN and KSD, are conducting facaimile tests on their regular channels, although eventually this new service will be radiated on the ultra-high frequencies.

TILINRH'S 10TH ANNIVERSARY CELEBRATIONS

Pioneer broadcaster TI4NRH (9.7), "The Voice of Costa Rica," while using the call NRH, became world-famous with a power of but $7\frac{1}{2}$ watts, and shares along with G5SW, PCJ, W8XK and W2XAF, the distinction of being one of the first five regular short-wave broadcasting stations in the world, will during the month of May, celebrate its loth anniversary on the air, by broadcasting several gala programs dedicat ed to leading radio clubs and publications.

Senor Amando Cespedes Marin is Life Member No. 1, in the I.D.A., upon this auspicious occasion, we offer our heartiest congratulations. and best wishes to our very good friend.

Those sending in reports (preferably by air-mail), enclosing a dime for handling, to Amando Cespedes Marin, TTLNRH, Heredia, Costa Rica, will receive a beautiful three-color lithographed diploma (14 X 18"), suitable for framing. These diplomas, at which we at IDA HQ have al-These diplomas, at which we at IDA HQ have already had a peek are really very handsome and colorful.

The special broadcasts from TI4NRH, which will be transmitted nightly

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between 9 and 10 p.m. EST, will be dedicated to the following:
MAY 3 SOCIETY OF WIRELESS PIONEERS MAY 18 INTERNATIONAL DX ERS L COMMEMORATION DAY of the ALLIANCE. first NRH broadcast on May

11,1928. RADIO NEWS

UNITED STATES OF AMERICA.

CHICAGO S.W. RADIO CLUB. 10 INTERNATIONAL S.W. CLUB.

12 SHORT WAVE LEAGUE.

13 N.Z. S.W. RADIO CLUBS. UNIVERSAL DX CLUB.

KDKA

19 RSSL AND "ALL-WAVE RADIO". tt

22 QUIXOTE RADIO CLUB. 11 23 "RADIO GUIA".

Ħ 2L NEWARK NEWS RADIO CLUB. 77

25 RADEX.

Ħ GLOBE CIRCLERS DX CLUB. 11 BRITISH SHORT-WAVE LEAGUE.

11 A.R.R.L. AND "QST."

77 **3**Q RMA.

WGY (W2XAF).