

THE GLOBE CIRCLER

NOVEMBER — 1937



RCA transmitter VP3THE, which will be used in broadcasting program material, from the camp of the Holden Expedition in Southern British Guiana, to the NBC networks. The radio technician is Orrin W. Hungerford.

ONE
DIME

INTERNATIONAL DX'ERS ALLIANCE

5TH ANNIVERSARY EDITION

THE IDA 100 CLUB

NEWS FROM JAPAN

THE G. E. "COMMANDER"

THE HOLDEN EXPEDITION

SHORT-WAVE NOTES AND LIST

BROADCAST STATION NEWS

ALASKA KINY, Juneau, will increase power to 250w, and change frequency to 1430kC. KINY is owned by Edwin A. Kraft.

ARGENTINA NEW: LV11 (1170kC), 500 watts, "Radio del Norte," was recently opened in Santiago del Estero, by S.A. El Liberal of that city.

AUSTRALIA 3LO, 3AR and 3LR, all of Melbourne, are all to be grouped in the same building at St. Albans, as soon as it is completed (Commerce Bul.) NEW: 2BE (1490), 100w, owned by Bega & Far South Coast Broadcasters, Ltd., on the air; 2HR (680), Singleton, studios in Lochinvar, on the air; 2MW (1470), Murwillumbah, on the air; 2XL (880), owned by Cooma Broadcasters, Ltd., Cooma, on the air; 5AN (890), 500w, Adelaide, expected on air soon; 4ZR (1450), 100w, Roma, owned by Maranoa Broadcasting Co. Pty Hawthorne Rd., Roma, on the air; 5SE (1310), 100w, Mr. Gambier, on the air; 6GN, Geraldton, W.A., owned by Great Northern Broadcasters, Ltd., 500w, expected on air soon; 6PH (790), Perth, W.A., now under construction, will be that city's second national transmitter... FREQUENCY CHANGES: 4MB, Maryborough, to 1400kC; 4QN, Clevedon, to 630kC; 7ZL, Hobart, Tasmania, to 600kC... POWER CHANGES: 2CA, Canberra, to 2kW; 2KA, Katoomba, now using 200w, but will go to 2kW soon; 2WG, Wagga, to 2kW; 4CA, Cairns, to 200w; 4LG, Longreach, to 500w, and 4RO, Rockhampton, to 100w (Niven, Tune In, Wiganall)

CANADA CBF, Vercheres, Que., 50kW (chiefly for French programs), and CBL, Hornby, Ontario, 50kW, are expected on the air soon. New 50kW xmtrs. will be erected in the Maritime and Prairie Provinces during 1938. . . On Oct. 3, following changes in calls were made: CRCO, Ottawa, to CBO; CRCV, Vancouver, to CBR; CPCM (1050), Montreal, to CBM; CRCW, Windsor, to CBW; CRCT and CRCY, Toronto, to amalgamate under call CBT. . . CKY, Winnipeg, now operating on 960kC. . . New station CHLT, power 100w, reported in Sherbrook, P.Q. (NNRC, CDXR, NRC, UXDC)

CHINA XLIF (1050), Wusih, has changed call to XHIE. . . XGOV is a new 10kW station in Szechwan, operating on 790kC (Niven)

COLOMBIA NEW: "Radio Marino" (1500kC), at Paston, will be on air soon; New Medellin station to operate on 1370kC, to be on air soon (CB)

CUBA NEW: CMCH (1110kC), 5kW, owned by Leonardo Cano y Martin, of Havana, will be on air soon; CMCR (1380), 150w, Havana, reinstated; CMQ's new 25kW xmtr. will work on 880kC. The old xmtr. on 710kC, will become station CMBL (Commerce Bul.)

FRANCE The new 500,000 watt xmtrs. for Paris stations, "Poste National" and "Radio Paris" are under construction (Tune In)

ITALY The E.I.A.R. will soon have the following stations under construction: 2 new 120kW xmtrs. (713 and 1222kC), for Santa Palomba-Rome; 3kW (565), xmtr. for Catania; 1kW xmtr. (1357), for Ancona; 5kW xmtr. (1357), for Turin II; 5kW xmtr. (1348), for Genoa II; 1kW xmtr. (1258), for Florence II; 1kW xmtr. (1357), for Naples II (Radiocorriere)

JAPAN NEW: JBCK (850), 10kW, Seishin, Korea, on the air (Niven). New stations at Kofu, Matsumoto, Kirotsaki, Morioka, and Kushiro under construction. New 150kW Tokio xmtrs. will be completed by end of year.

NEW ZEALAND 4ZC, Cromwell, will leave air soon. . . 4ZB, Dunedin, has changed call to 4ZD, and new 1kW, Dunedin commercial station, now under construction will assume call 4ZB; 4ZP, Invercargill, will use temporary 100w xmtr. until new 5kW one is completed (Niven)

POLAND NEW 50kW xmtrs. under construction at Baranowicze, and at Luck. Power of xmtr. at Poznan, is being increased to 50kW; one at Lodz to 10kW, and one at Cracow to 10kW (Commerce Bul.-Polskie Radio)

U.S.A. NEW stations authorized for: Coeur d'Alena, Idaho (1200), 100w day; Longview, Wash. (780), 250w day; KVRS, Rock Springs, Wyo. (1370), 100/250w day. . . FREQUENCY: WIOD, Miami, Fla., to 610kC; WLB, Minneapolis Minn., to 760kC-power to 5kW day; WCAL, Northfield, Minn., to 760kC-power to 5kW. . . POWER: Following stations to increase day power to 250w; KALB, WSIX, WCBS, WAYX, WABY and WGL; increase day power to 1kW: WPEN, WRAX, WNBC, KIEM and WBCM; increase day power to 5kW; KID and WSMB. . . WRDW (1500), Augusta, Ga., will join CBS network on Oct. 31. . . Celebrating it's 15th anniversary, WHAS, Louisville, has inaugurated new \$500,000 studios (FCC, Ambrosius, White)

— A BIT OF NORTH AMERICAN DX —

KGBU (900), 4:40-5am EST, 1st Tues. after 8th of each month; KFQD (780), 4:10-4:30am, 1st Sat. after 8th; KGU (750), 6-6:20am, 1st Thurs. after 8th.

IDA'S "PROGRAMS OF THE WEEK" 3

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

IDA "Programs of the Week," will start soon! For surprises, thrills, laughs, don't miss a single one of these interesting and different feature dx broadcasts. Be our guests each Sunday morning from 3 to 4am EST. All we ask is that you show your appreciation by sending a report or at least a word of thanks to the station presenting the show. Tell your radio friends about these four-star entertainment presentations. Don't forget a crisp \$10.00 BILL will go to the dx'er who verifies the greatest number of the "Program of the Week" broadcasts. . . The curtain rings up on IDA "PROGRAMS OF THE WEEK" -SUNDAY MORNING, NOVEMBER

7. AT 3 A.M. EST. KFI IS THE STATION. WE'LL BE EXPECTING YOU!

(1)	SUNDAY, NOV. 7,	3-4am EST, Los Angeles, Calif.	640kc	50kw	KFI
(2)	SUNDAY, NOV. 14,	3-4am EST, Iowa City, Iowa	880	.5	WSUI
(3)	SUNDAY, NOV. 21,	3-4am EST, Colorado Spr'gs, Colo.	1270	1	KVOR
(4)	SUNDAY, NOV. 28,	3-5am EST, Mexicali, B. C., Mexico	750	.2	XEAA
(5)	SUNDAY, DEC. 5,	3-4am EST, Albuquerque, N.M.	1180	10	KOB
(6)	SUNDAY, DEC. 12,	2:45-4:30am, Vancouver, Canada	1010	.1	CKWX
(7)	THURSDAY, DEC. 23,	3-4am EST, Chicago, Illinois	1130	20	WJJD
(8)	THURSDAY, DEC. 30,	1-2am EST, Cleveland, Ohio	1070	50	WTAM
(10)	SUNDAY, JAN. 16,	3-4am EST, Minneapolis, Minn.	810	50	WCCO
(11)	MONDAY, JAN. 24,	3-4am EST, Rochester, New York	1150	50	WHAM
(12)	SUNDAY, JAN. 30,	3-4am EST, Chilliwack, Canada	780	.1	*CHWK
(13)	SUNDAY, FEB. 6,	3-4am EST, Sheridan, Wyoming	1370	.1	KWYO
(16)	SUNDAY, FEB. 27,	3:30-4am, HONOLULU, HAWAII	750	2½	KGU
(18)	SUNDAY, MAR. 13,	3-4am EST, Covington, Kentucky	1490	5	WCKY
(20)	SUNDAY, MAR. 27,	3-4am EST, Lincoln, Nebraska	1210	.1	KFOR

* Note- CHWK will transmit dx broadcasts the 1st. Sat. of each month from 2:45-4am EST. 10¢ must accompany all reports for a veri'.

EST-	INTERNATIONAL PROGRAMS			EST-
FRI.,	NOV. 5, 2-2:30am,	6.06mc	Cincinnati, Ohio	WLW/W8XAL
SAT.,	NOV. 6, 5:30-6pm,	941kc	ALGER, ALGERIA	RADIO-ALGER
		12.12mc	ALGER, ALGERIA	TPZ
		11.88mc	PONTOISE, FRANCE	TPA3

NOTE: A rather badly garbled and indirectly received radio- phone message leads us to believe that the above algerian special will take place as shown, rather than on Oct. 31, as given in the last Globe Circler -Ed.

MON.,	NOV. 8, 4-5am,	1170kc	Inverell, Australia	(UXDC)	2NZ
FRI.,	NOV. 12, 1:30-7:30am,	1060kc	Norfolk, Nebraska		WJAG

This is the annual "Salute to New Zealand", and to leading dx clubs, including the IDA.

WED.,	DEC. 1, 8:30-9:30pm,	11.7mc	PANAMA CITY, PANAMA	(IDA)	HP5A
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An unusual treat consisting of sparkling Panamanian popular music and talent is promised by Mgr. A. Villegas Arango.

NOTE: IDA will be glad to list any international program in this section giving credit to club, or publication sponsoring same.

WEEKLY TIPS PERIODS					
MON.,	9:15-9:30pm	690kc	Calgary, Canada		CJJC
TUES.,	5:35-6:00pm	9530/15330kc	Schenectady, New York		W2XAF/D
WED.,	12:35-12:45am	1390kc	Phoenix, Arizona		KOY
THURS,	2:30-2:45am	1320kc	Honolulu, Hawaii		KGMB
SAT.,	12:15-12:30am	6140kc	Pittsburgh, Pa.	(DX CLUB)	W8XK

BROADCAST BAND DX NOTES BY OUR MIDNIGHT MARAUDERS

"TA's beginning to come in. CT1GL heard twice R5-6. Mysterious South American heard R6-8 on 882kc. Seems to be a Brazilian using high power. OAX4A heard R7 nightly. LR6 and LR5 both excellent. LRL and LS2 poor. Cubans all over the dial. Looks like a good year for Trans-Atlantics. Heterodynes all over the dial between 5 and 6:30pm EST." (Burnham-Gloucester, Mass)... "DX has picked up a little here, and this morning I heard snatches of music from 3LK on 1090 just before 6am EST" (Bartholomew-N.Y.)... "DX is not so good, although I have added two fairly good veri's, namely KOKO and KGA since Sept." (Lippincott-Mass)-cont. Page 5.

International

Published Monthly Excepting July



Dx'ers Alliance

CHARLES A. MORRISON
EDITOR

VOLUME 5

BLOOMINGTON, ILLINOIS, U. S. A.

NO. 10

EDITORIAL

To celebrate our 5th anniversary we are inaugurating a huge membership drive. Can we add 100 members by Jan. 1? Certainly we can with individual co-operation. I am asking only two things. Only two- but these are important. If you are interested in the continued welfare of your club- you will heed them. (1) Pay your own renewal subscription promptly (2) Enroll your own radio friends or correspondents in IDA. Sample Globe Circlers and information on IDA will be sent to any dx'er you may suggest. "I am putting everything I have into IDA, please help me out, lads on these two items."

From this date, we withdraw IDA approval from any verifications received through QSL bureaus, or from sources other than the stations. With the great number of such bureaus that are springing up at present, certain evils and abuses are inevitable. We regret that in so doing we must also withdraw IDA approval from one or two of the original bureaus that were established with no thoughts other than to be of real service to the dx fraternity.

-Charles A. Morrison.

CHAPTERS

BETA (New York)-- 17 members were on hand for the first meeting of the season and plans are under way for greatly expanding Beta's activities. Members and dx'ers in the greater New York area are especially invited to be present at the next two meetings of Beta Chapter on Saturday evenings, Nov. 6, and 20, respectively, at 812 Prospect Place, Brooklyn, as a demonstration of the new 30-tube Scott Philharmonic receiver will be featured. The chapter hopes to move into permanent club quarters soon.

GOLDEN GATE (San Francisco)---- 10 dx'ers attended the last meeting of G.G. chapter. The dx reports were extremely interesting, due to good reception conditions. Things look very bright for the chapter for this season. The chapter hopes

to have the use of the well-known Offenback Hall for its meetings in the near future.

A new IDA Chapt. has been organized at Revelstoke, B.C., under the leadership of Art MacLean and Art. Bregolis, of the Home Comfort Shoppe. (more on this next month).

After a period of inactivity the Los Angeles IDA lads are reorganizing the Chapt. there and are going to give the Golden Gaters a run for it.

NOTE: All Chapt. notes must be in this office by 17 of each month

LAST MINUTE BROADCAST ITEMS

SCOOP--JAPAN--JOAK2 (870), 150kW,

Tokio, **TESTING DAILY** 5:30-6am PST; news in English at 5:35am. Station will be opened officially when JOAK1 (590), 150kW, Tokio, is also completed in the near future. . . JOKG (800), 500w, Kofu, on air soon.

NEW STATIONS ALREADY OPENED.

JBCK 850kC 10kW Seishin, Chosen
MTGY 1050kC 100w Botanko, Man.
MTHY 915kC 50w Shotoku, Man.

STATIONS UNDER CONSTRUCTION.

810kC 300w Hirosaki, Japan
880kC 500w Morioka, Japan
960kC 500w Matsumoto, Japan
1010kC 100w Kushiro, Japan
MTCY2 180kC 100kW Shinkio, Man.
MTCY1 (560kC) 10kW Shinkio, Man.

XQHA (580), 250w, owned by a Japanese merchant in Shanghai, but now under the control of the Japanese Govt. will be increased to several kilowatts soon. (***Saito-Japan)

CBF (910), 50kW (Vercheres), Montreal, Que., will begin tests about Nov. 1. . . **CEL** (Hornby), Toronto, 50kW, will be in use by December 1. Stations will operate daily from noon to midnight EST. (Graham)

ECUADORIAN BROADCAST STATIONS.

HCJB (978kC) "La Voz de los Andes" in Quito, and **HC2CW** (900), "Ondas del Pacifico", in Guayaquil. (CB)
CFAC (930), Calgary, Canada, has put its new 1kW xmtr. and 180' vertical aerial into use. (Devitte)

D. Thomas, Proctorville, Ohio, will send data on a device that automatically records CW signals.

"TA's aren't so hot. The best heard are Radio Normandie, Bordeaux-Lafayette, CTI GL, Nice (1185) and West Regional. The Newfoundland stations are being heard and I think one of them is on 1055kC. This may be VOAC- off frequency. The Spaniard on 1085kC- in Salamanca I think, is very good. EAJ7 is also heard at times. Milan I, was heard once." (Peters-Nova Scotia)... "Started this season off with a bang- adding 8 new U.S.A. stations, 3 more than I added all last season. The west coast is pounding in from 9pm on and I have found that KFI and KNX are good barometers of dx conditions. South Americans are spotty, being good at times. LR5 has been heard Q5/R9 and CX26 Q4/R7." (Badger-Mass) ... "TP DX started early this year. Was able to log several Japs the last part of August. JOAK2 is the best heard and in my opinion takes the all-time record for the best JO. The new transmitter JBCK (850), in Korea, is next best. It does not relay the JBC chain, so is easier to get verifiable material on. The 10KW JO's don't come in any stronger than the smaller ones, although they are more consistent. A card from JOCG states that JOKK, Okayama, is now on 655kC. Veri's received thus far this season have been: JOCG, JOHG, JOJK, JOOK, JOSK and CMBG. The latter station using 250w, on 1040kC, is heard R7 here" (Myers-Los Angeles) ... "Last season I heard JODK1, 14 times between 11 and 11:30pm GMT. KOA and KNX, heard faintly, were the only good catches from the U.S.A. The South Americans were also not up to standard, but at least they had a semblance of reliability. Best veri's for last season were: WOR, WMAQ, LRL, LS2 and WNEL" (Pybus-Manchester, England)

NEW I.D.A. MEMBERS

- Donald S. Wright, State College, Pa.
 J. D. Gallivan, Balboa, CANAL ZONE.
 Arnold Rasmussen, Clear Lake, Iowa.
 Ying Ong, Phoenix, Arizona.
 Earl G. Marshall, Canton, Ohio.
 Art Bregolisse, Revelstoke, B. C.,
 CANADA.
 A. Victor Secord, Lowell, Mass.
 Jack Bitzer, Cincinnati, Ohio.
 Harold Badger, Brockton, Mass.
 Martin P. Miller, Bronx, New York, NY.
 Frank Pittone, Philadelphia, Pa.
 Ernest Sirotta, San Francisco, Calif.
 G. J. Hinson, Atlanta, Georgia.
 Wesley Shoemaker, Hillsboro, Ohio.
 Harry F. Hawkins, Manchester, N.H.
 William Howe, New Haven, Conn.
 Frank H. Brenneman, Rochester, N.Y.
 R. S. Robb, Chicago, Illinois.
 Mario Bruscia, Brooklyn, New York

To RADIO _____	RECVR: Hallicrafter
Heard on _____	Peak Pre-Selector
At _____ M.E.S.T.	
On _____ Mtr. Fone	
QSA _____	
R _____	

INTERNATIONAL DXERS ALLIANCE

Vy 73

JOHN BARRE,
 377 East 153 Street,
 Bronx, New York, U. S. A.

Countries
 Verified _____

UR QSL will
 be appreciated

The above is a reproduction of one of the new IDA SWL cards that are available from John P. Miller Jr., 6 Willow Ave., Ambler, Penna., in one color for 90¢ per 100, or in two colors for \$1.25 per 100. A choice of colors in cards and inks is available. Any wording or arrangement you desire may be used.

B C B DISTRICT HONOR ROLLS

DISTRICT -6-	Mich, Ind, Ohio, Ky, Va, W. Va., Penna, N.Y., Del, Md, N.J.
R. Tomlinson	26X N.Y. CE62, CX34, HAE2, Dresden, Konigsberg (1348), LS8, LT3 HAE, HAE3, LS9, Gleiwitz, EAJ15, Poste de L'ile, HAE4, Antibes, Klaipeda, Grenoble, CX28, Burghead, Bregenz, Blaanderen, Saarbrücken, RV36, LU7, HJLABR, LKD.
David Thomas	21X Ohio VQ7LO, NRH, EAJ5, LOV, Santo Paulo, FN, PRAK, KZRC, 2BD, G6BM, 1YX, VUO-VWCZ, Huizen, Warsaw, Drotwicz, ZBW, ZTJ, CX20, OXP, Reykjavik.
Howard Eck	11X Mich 3KZ, PRA6, JOCG, Innsbruck, Stettin, Freiberg, JOVK, Augsburg, Trier, ZP5, Jerusalem. (TG2)
Ray Lewis	10X Ohio LVL, TIC, 5DN, EAJ11, JODK2, JFAK, 8WMC, Palermo, Naples
C. Wyborski	7X Penn HJ3ABH, CX14, TIRC, TIRCA, YNLGG, LS6, Cracow (Riga)
C. Lord	2X Ohio NN, SN. Don Reynolds 2X N.Y. Eiffel Tower,
J. DeMyer	2X Mich JOPK, JQAK I. Beitman 2X Ohio PRA8, LU2
T. Goodeve	2X Mich LZM, 6WF H. Johnson 1X N.Y. HJLABE
A. Bartholomew	1X N.Y. Marconi L. Cavileer 1X N.J. OAX4A

NOTE MEMBERS OF ALL DISTRICTS: REPORT VIC/VAC rating, or change in same to your District Director, on or before Nov. 10, for reports in DEC. G.C.

We take great pleasure in announcing the IDA 100 CLUB. This club will be open to those members who have verifications from stations in 100 or more countries. Broadcast, short-wave, or amateur stations may be counted, but all verifications must be for phone and not C.W. transmissions. The IDA 100 CLUB will consist of dx'ers who have achieved extraordinary attainments in the science of reception. It will be considered a signal honor to be named a member of this group. The few that are now eligible for membership should for ward necessary qualifying verifications to the director of their district for his approval. As soon as five nominees have been named for membership, they will choose a director from their group who will thereafter pass upon eligibility of candidates, and with the other members of the club, design suitable certificates and seals for members

The second printing of DSW Diplomas has just been made. By bringing the captions, "D.S.W.", and "International Dx'ers Alliance", into prominence with a brilliant red ink, we believe we have improved the appearance and photographic possibilities of the certificate.

Ama-Touring is so far as we know - the only publication dealing exclusively with reception on the amateur bands. Edited monthly by Ralph Gozen, of 1 Richfield Ave, Yonkers, N.Y., from material submitted by IDA listeners and amateurs, Ama-Touring features new and interesting foreign hams, expedition news, best catches, non-QSL'ing amateurs, jottings, etc. This excellent bulletin is available each month to members who send in one, or more items for publication, and a stamp to it's editor... Subscription rate to non-IDA members is \$1.00 per yr

PERSONALS

"My VAC rating is now 7, and my VIC rating 64" (Bigbee-Ga)... "My VIC rating is 45 at present" (Serafin-NY)... "I would like to see an IDA lapel pin, and an IDA identification card small enough for a wallet" (Barter-Mass)... For Sale Reasonable- a Model 710-A Readrite Analyser in A-1 shape (L. Eikamp, P.O. Box 307, Cochrane, Wis.)... G.C. Graham, 494 Bergen Ave., Bronx, New York, N.Y., would like to exchange SWL cards... "VAC rating 26, and VIC rating 81" (Myers-California)



THE GENERAL ELECTRIC "COMMANDER" - IDA'S NEW LISTENING POST RECEIVER

TESTS WITH THE "COMMANDER"

The G. E. "Commander," is an 11 tube set, employing 3 6K7's, 2 6H6's a 6F5, 5Z6, 6L7, 6U5, 6L6G and a 6J5G. It's 4 bands cover 140-380, and 540-1600kc, 54.5-21.4, and 23.1-13M respectively.

The full vision rectangular tuning scale is attractive and easy to tune. The two-ratio tuning knob, which works smoothly with no backlash, aids in fine dialing... The volume control is calibrated, making it easy to see how much increase in volume is necessary for bringing a weak signal in... The electronic eye, actuated by the weakest impulse aids in tuning a signal 'on the nose,' making aerial and signal strength comparisons, and noting fading... Set is the most quiet in operation, and has best ratio of signal to noise of any receiver tested here... Tone is unusually fine, considering the 8" speaker used. Signals come through clean-cut, crisp and realistic... Due to the separate oscillator tube, there is very little signal drift during the warming up period... A beam power amplifier, giving 10 watts output provides more than adequate volume... Selectivity is good; being especially note-worthy in working badly QRM'ed channels, or amateur stations suffering from C.W. interference... Sensitivity is adequate for dx reception... All parts are designed for tropical conditions... Stations in all continents have been received several times, and stations such as FA3HC, XGOX, OX2QY, EA9AH and YI2BA have been tuned in with marked success... All in all, although no receiver is perfect, I believe any dx'er, or IDA member, would be proud to have the "Commander" in his official Listening Post. --The Editor.

Short-Wave News

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

THE TERRY-HOLDEN EXPEDITION

According to exclusive air-mail information from our B.Guiana Representatives, G.Whitney and Chas. Kettenan, of VP3BG, the Holden Exped. left Bartica, for the long trek up the Essequibo, on Sept.19. The exclusive photos from the top one down show: (1) The members of the exped. (2) Loading the boats (3) The boats shove off for the 700-mile trip into the unexplored interior of B.Guiana and Brazil.

The base-camp in the extreme Southern part of B. Guiana, was established on about Oct.10, and the RCA ACT-200 watt xmtr., to which the call VP3THE (THE-Terry-Holden Exped.), has been assigned, was first heard in the U.S.A. on Oct.13, at 5:49pm PST, by E.H.Clark, of Hollister, Calif. VP3THE was on a freq. of approx. 13.9mc, and was contacting VP3BG (14.12), in Georgetown, on what is believed may become a regular schedule. VP3THE (using a freq. on the 40M band), will maintain two-way contact with the 50w Collins xmtr. that the advance party will carry more than 200 miles deeper into the jungles. The outpost rig will come-back on a freq. in the 80M band.

VP3BG (6.132),Georgetown, will rebroadcast all program material radiated by VP3THE.

Watch for tests between the Rocky Pt. stations and VP3THE. Frequencies of 17.31,12.8625,8.655, or 6.425mc,will probably be used by the latter.

VP3THE talks to the B. Guiana-Brazil boundary commission daily at 1p.m. EST.. The receiver at the base-camp is a RCA AR60S, and the outpost one is a National NC100X. Watch the Globe Circler for further information on the expeditions... (****Clark-Calif.)



FEATURE IDA BROADCAST

WEDNESDAY, DEC. 1, 8:30-9:30pm EST 11 7mc PANAMA CITY,PANAMA HP5A

D.Thomas of the IDXS,Proctorville,Ohio,will award a small loving cup to the dx'er who verifies the 13 most outstanding dx programs arranged by the IDXS,IDA,GCDXC,UDXC and the NNRC,during this dx season.

The DSW has been conferred upon John Barre,Lem.Cavileer & E.Reinhard to receive December AMA-TOURING, send at least one item for it,and a stamp to R.Gozen,1 Richfield Ave.,Yonkers,N.Y.,before December 1.

Deadline for December G.C.-Nov.17; for Dec. Stop Press Sheet,Nov.27, It is IMPERATIVE that all SW reports use one side of page only; that lines be double-spaced; items 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; commercial sked tips and unusual receptions. RUSH important items by fastest mail. FOUR STAR items denote exceptional merit; FIVE STAR ITEM pays contributor \$1.00 in cash. Try for the monthly award.

EST NORTH AND CENTRAL AMERICA EST

ALASKA KFQD,Anchorage Radio Club,Anchorage, has requested permit to operate with 175w, on 3.4925 and 6.425 megs (FCC)

CANADA Sked of CERY (6.07); 7:30am-mid,Sun 11am-mid; Sked of CRCX (6.09): 7:45am-5pm,Sat.11pm-mid,Sun.11am-5pm (Graham) . . . NEW: CJCX (6.01),owned by Canadian Marconi Co.,Sydney,N.S., started testing Oct. 4; relays CJCB 5:30-11pm, and Sundays 10am-11:15am, and 5-11pm (**Fred Baines,Graham,Buchanan). . . CZ5M (8.63), heard early evenings phoning VOWQ and VOWN,Labrador. Also heard on 4.8mc at 7:45pm (*Sawyer). VFU (12.32),"Shediak Air Station," Shediak Bay,N.B.,heard sending ad

test signals on a recent Sunday (N.Y. World Telegram) (RBO)

C.R. TI2H (5.813), San Jose, is apparently using call TIGPH2 now
CUBA COBC (9.31), sponsors patent medicine program with English
announcements and souvenirs offered to listeners, nightly at 11pm (Am-
brosius). . COKG, P.O. Box 175, being heard nightly from approx. 6-8pm, on
new freq. of 8.9mc (also reported on 8.94). Three chimes for interval
signal, and announcements in Spanish & English half hourly (Ambrosius)
COEX (9.195), also authorized to broadcast on 11.62mc (Com. Bul.)

D.R. H11L (6.485), Santiago de los Caballeros, transmits weekdays
to 7pm, and from 8-9pm irreg. Address is Calle Presidente Trujillo No.
97. Slogan is "El Dario." (RBO, UDXC); H14V now on 6.45mc, and H17P
heard on 6.805mc (RBO)

GUATEMALA The new RCA 5kw xmtr. of TGWA (Tropic-Good-Will-America),
"Voice of Guatemala," was inaugurated on Oct. 12, with excellent marimba
program rebroadcast by NBC 10:30-11pm, and directed to Latin America,
11pm-1am. Frequency was 11.76 megs. Station now broadcasts program to
North America, with Spanish, and English announcements, Mon/Thur 9-11-
pm, on one of the following freqs: 9.685, 11.76, 15.17, or 17.80mc. The
11.76mc channel is generally used. Reports are welcome and no IRC's
are necessary (**Byrd, RBO, Ambrosius, Fiederowicz, Dahl, Balbi, Pilgrim,
Criswell, Gallagher, CAM)

LABRADOR Amateur VO6L (approx. 14.28), North West River, being heard
after 8pm with strong sigs. Xmtr. is at the Grenville Hospital. Opera-
tors are Alan Lunan and Thos. Cunningham. The latter may be addressed
c/o Newfoundland Skyways, Ltd., via Dog Team; however, VE2JK, Thos. Cuning-
ham, 5228 Ponsard Ave., N.D.G., Montreal, P.Q., is the best address to use
to insure a QSL (**DeMyer, CAM, Ambrosius); Amateur VO6JQ (14.272), in
Northern Labrador (250 miles north of VO6L), for the winter, also being
heard with signals slightly weaker than VO6L's (**DeMyer, Roberts)

MARTINIQUE "Radio Martinique" (9.685, although announced as 9.74), "
Fort-de-France, broadcasts from approx. 6:30-7:30pm. Announcements in
French, and in German and English by a woman-before station closes down
with "Marseillaise." (*Ambrosius, Waite, Gallagher, Tate, RBO, Thomas, Eder)

MEXICO "National Revolutionary Party" (7.1), "210 Madero St., Guada-
lajara, broadcasting daily 9-11pm, will move to one of the regular S.W.
bands soon (*RBO, Messer, Clark) . . NEW: XEBF (6.09), Guadalajara, test-
ing and asking for reports (**Graham); NEW: XEWB (11.71), Judrez 289,
Guadalajara, heard testing (**Graham); NEW: XETA (11.76), Apartado 203,
Monterey, N.L., power 1kw, heard testing and relaying XET near lam (**-
Pilgrim) . . Station operating on 9.55mc, daily 8pm-mid. is XEDQ (Balbi)

NICARAGUA YNLG, Managua, now bouncing about between 6.345 and 6.65mc,
usually found near later freq. and with rotten modulation. (*RBO)

U.S.A. APEX: Stations heard recently: W2XDG (37.8), N.Y.C. 11am-1pm
-- W2XHG (41), N.Y.C., and W8XH (41), Buffalo, 1:30-6pm-- W3XFJ (35.1),
Lynchburg, Va, Sept 18/19-- W3XEK (37.6), Washington, 2pm-- W3XCS (35.6),
Baltimore, 11am-1pm-- W4XTY (34.6)-- W6XBA, Los Angeles (30.1); W6XKW
(30.1), Alameda, Calif; W6XGC (30.1), San Gabriel, Calif. and W6XEH, Long
Beach, Calif, all 6-8pm-- W8XIR (31.1), Cleveland, Sept. 19-- W9XJL (26.1)
Duluth, to 9pm-- W9XPN (31.1), Tuscola, Ill, 10am-2pm, and W10XAM (31.1),
NBC Mobile (Criswell, Arizona; W6 xmtrs. by Roberts, Indiana)
Sked of W1XAL, Boston: on 6.04, daily ex. Sat. 7-9pm; on 11.79, daily 4:45
to 6:30pm, and irreg. on 15.25. "Modern Radio Course," Mondays at 7:30pm
(W1XAL, Graham) . . Note revised sked for W2XE in list. W2XE granted new
freq. of 9.5mc . . W2XGB (17.31), Hicksville, L.I., tests with music and
news bulletins daily at various hours (Serafin, Frost, CAM) . . W2XAD,
Schenectady, N.Y., requests permit to use 100kw on 9.5, 15.33 and 21.5mc
(FCC) . . Talk, "Practical Application of the Ultra High Freqs," by S. Gor-
don Taylor, of Radio News, over W2XAF (9.53), Nov. 5, 4-4:30pm, 11:30pm-mid,
and Nov. 6, 7-7:30am (GCDXC) . . W9XAA (11.81), being heard irreg. until 7
pm (Graham) . . COMMERCIAL: New xmtr. KMI, Dixon, Calif, will be used
soon for second US-Hawaii telephone circuit . . KKZ (13.69), Bolinas,
broadcasts to Hawaii, Wed. 11:30pm-mid; KKQ (11.95), 8-9pm (Kentzel) . .
Percy Winner, appointed as director of the NBC international shortwave
service (NBC) . . "Brave New World" programs, Mondays at 10:30pm, over
W2XE will picture Latin American history, culture and present day prob-
lems (W2XE) . . TELEVISION: RCA's new projection tube will throw a 3 X
4 foot black and white picture on the screen . . CBS's giant new tele-
vision xmtr. will be installed on the 73rd and 74th floors of the

Chrysler Building by the first of the year (CBS) . . . EXPEDITIONS:
UPOL (14.41), xmt. of Soviet air-base at North Pole, operates from 2 to 9pm daily, except those days when no wind prevails in the Polar basin. Reports should be sent to the Central Council of Aviation and Chemical Defence Society of the USSR, Moscow, USSR. Rewards for best reports. UPOL has been heard by DeMyer-Mich, and Bigbee-Ga. (****DeMyer, Soviet Radio Committee, Bigbee) . . . SCOOP-- Using a 400w xmt. and rhombic beam, aerial beamed on E.-U.S.A., transmissions, from the MacGregor Arctic Expedition, wintering at Reindeer Point, near Etah, Greenland (78° North and just 600 miles from N.Pole), on a frequency of 14.38mc, and using, amateur call OX2QY, assigned to Gerry Sayre, radio op., were first picked up in the U. S. on Oct. 5, by DeMyer-Mich, Roberts-Indiana, and Barre, N.Y. OX2QY may be heard with strong sigs, two or three nights a week, after 8pm EST, working U.S. and Canadian hams; has sked with W2LXY, Wednesdays at 9pm EST. Reports, sent to W2QY, Gerry Sayre, Storm King School, Cornwall-on-Hudson, N.Y., will be verified when the exped. returns in about a year. . . The same xmt., using exper. call WLOXAB, and freq. of 17.31mc, may be heard testing with WQV (14.8) and WQD (18.96), irreg. near 1, or 2pm EST. WLOXAB was Q5/R9, while testing and sending program to NBC for RCA Magic Key program on Sun, Oct. 17, 2:07pm EST. Watch for another program from Greenland on, or near, Thanksgiving Day, Nov. 25 (****DeMyer, Roberts, Barre; ***Ambrosius, Goodeve, Waite, Kramer, Jackson, Kentzel, Moore, CAM, W2LXY)

VIRGIN ISLS WTDW, St. Croix-WTDV, St. Thomas, and WTFX, St. John, each with power of 50w, and operating on 2.67mc, are in use for inter-island communication, intermittently from 10:30am-3pm. Reports should be sent to Supt. of Public Works, St. Thomas, Virgin Islands (**Hall-NY Sun)

S O U T H A M E R I C A

BRAZIL PSE (14.935), heard phoning GAA at 4:30pm (Kriebel)
BR.GUIANA See Holden Expedition . . . Address for VP3BG is Crystal Broadcasting Company, Philharmonic Buildings, Georgetown (VP3GB)

CHILE CBP (8.75), Air-Force of Chile, Temuco, heard at 6:30pm (Sintonia) . . . CB960 is apparently off the air (Gallagher, RBO) . . . CB1170, Ahumada 113, Santiago, relaying programs of CB89, daily 10am-2pm and 3:30-11pm, is now on 11.702mc (*RBO, Barbera, Balbi, Gallagher, Pilgrim) . . . CD1190 (now on 11.913), "La Voz de Valdivia, Radio Sur Aliviol," P.O. Box 642, Valdivia, relays CD79, daily 10am-1pm, and 8-11pm (*Barbera, RBO, Gallagher)

COLOMBIA New station to operate near Bucaramanga, on 4.82mc, with 750 w power, being built by Sr. Francisco A. Bueno, will be completed shortly (**Com. Bul) . . . Engineer on staff of HKV (8.795), heard to say station gave news, on Tues and Fri, 7-7:15pm (*Messer); HJ3ABD, Bogota, now on assigned freq. of 4.841mc (RBO); Has anyone heard HJ1ABD, Medellin, on any of its assigned freqs. lately? (RBO); HJ1ABE, Medellin, is now operating on 6.145mc; HJ1ABU, now operating on 6.05mc, is reported to have changed call letters to HJ6ABA (*Barbera) . . . NEW: HJ7ABD (9.63), "Radio Bucaramanga," Bucaramanga, heard Sept. 26, first night on the air, by RBO, Wright, Ambrosius, and Tate, relays HJ2ABD (5.988), nightly with good signals from approx. 7-10:30, or 11pm. Reports welcome (**RBO, Tate, Ambrosius, Wright; Jones, Elkamp, Fiederowicz, Prendergast, Pilgrim, Kentzel, Balbi, Eders, Gallagher) (12:36pm (GCDCX))

CURACAO Sked for PJCL (5.947): Mon/Wed/Fri, 6:36-8:36; Sun 10:36am-
D.GUIANA PZH (now on 6.8), Paramaribo, is much stronger now (*RBO)

ECUADOR HCECW, one of the champion hopper-abouters, operated on 8.618mc for a time recently. Signs off at midnight with "Rosemarie" and "Indian Love Call." . . . Small stations not shown in our list include: HCLRE, "La Voz de la Sierra," Quito, on 6.32; HCLRJ (7.6), "El Dia," in Quito, on 7.6, and HCT (5.003) (*Com. Bul.) (6.315 (Sintonia))

PARAGUAY ZP14, Radio Nacional, relaying ZP4, Asuncion, reported on-
PERU OAX5C, Radio Universal, Ica, moved to approx. 9.58mc, just above WLXK, operates daily from 8-11:30, or mid. (Balbi, Pilgrim, Gallagher) . . . OAX4J now on 9.34mc (RBO); OAX4T (9.562), operates daily 11:30am-1:30pm (UDXC) . Is anyone hearing OAX6A (6.122), Arequipa? (RBO)

URUGUAY CXA2 (6), Camino Carrasco 5151, Montevideo, off the air for several weeks, will soon be radiating with new 5kw xmt. (Barbera*). CXA2 reported heard and broadcasting 7:30-10:30pm; signing off with "Good Night Melody" (Graham) . . . CXAS (9.638), Colonia, power 2kW, relays LR3, Buenos Aires, Argentina, daily 7am-midnight. Sign off recording in

Spanish, Portuguese, Italian, French, German, Russian and ENGLISH. Reports should be sent to LR3, Belgrano 1841, Buenos Aires, Argentina (**Barbera, Gallagher, RBO, Pilgrim)

VENEZUELA Is anyone hearing YV1RD? (RBO) . . Sked of YV2RA (5.765): weekdays 11:30am-12:30pm, and 5:30-9pm; Sundays to 10pm (*Graham)

E U R O P E

AZORES CT2AJ (4), 50w, owned by Joao Soares, Ponta Delgada, St. Michael, broadcasts Wed/Sat 5-7pm, except during July, August & Sept. (C.Bul.)
BULGARIA Sked for LZA (14.97-96-92), Sofia: Sun. 12:30-8am, 10am-4:30pm; weekdays 5-6:30am and noon-3pm (GCDXC)

ENGLAND GSC now operating 9-11pm; See list for revised Daventry skeds. "As I See It," George Bernard Shaw, Nov. 5, 6:30pm EST (BBC)

FINLAND New Finnish station reported using 6.15mc (*Nelson)

FRANCE TP44 now, very close to HF5A, on 11.703mc (*RBO) . . Radio Liberte (9.525), 10 Ave. de La Liberte, Becon Courbevoie, broadcasts German, Italian, and French, Communist programs irreg. near 7-7:30pm (*Eders)

GERMANY DJO (11.795), heard irreg. 4:50-10:45pm (*Sawyer)
HOLLAND PHI has been broadcasting irreg. on 11.73mc (Reinhard, Gallagher, CAM) . . Rotatable aerial towers which can move upon a circular rail track, for changing beam direction, are being built at Huizen.

ICELAND TFJ (12.235), 7kW, broadcasts in English-Sundays at 1:40pm; in German at 2:05pm 1st & 3rd Sunday of each month, and alternate Sundays at same hour in Danish, Norwegian and Swedish. Send reports to Riki sutvarpid, P.O. Box 547, Reykjavik (*GCDXC)

ITALY Now under construction by the EIAR: 2 100kW SW xmtrs. and 3 50kW SW xmtrs. (Radiocarriere) . . IQA (14.73), Italiao Radio, Via Calabria, 46-48, Rome, tests irreg. with WQD; verifies (*Ambrosius)

MADEIRA CT3AQ (4), "Eddystone," owned by Gabriel Ornelas, Rua S. Pedro 3, Funchal, operates Mon/Wed/Fri from 2-4:30pm. CT3AQ, also owned by Gabriel Ornelas, is the ONLY amateur operating in Madeira now (Com. Bul.)

POLAND SPW (13.635), is now operating weekdays 6-7pm, and Sundays, 6-8pm, in parallel with a new 2kW xmtr SPB (11.53). The tri-weekly noon schedule has been abandoned (**Fiederowicz, Shock, RBO, Ambrosius)

PORTUGAL CSW, Lisbon, is operating daily on 11.04, 2-6, and on 9.94mc, 6-8pm. Heard on 11.84mc irreg. (*Campbell, Reinhard) . . "Radio Renascenca" (5.997), "Emisora Catolica Portuguesa, Rua Capelo 5, Lisbon, 200w, operates daily 2:30-4:30pm, and Sun/Thur 6-7am (BSWL)

SPAIN EAR (9.488), Madrid, broadcast an IBC program Sat. 7-7:30pm (Stansfield); EAQ (9.86), Madrid, on air again daily 6-8pm with English news from about 6:30-6:45pm (*Ambrosius) . . NEW: "Radio Nacional" (10.37 to 10.445mc), "Insurgent station at Salamanca, first heard Sept. 19, broadcasts in English to U.S.A., daily from 9 to 9:45pm; War news at 9pm EST. This program may be a relay over EAJ43, Tenerife, Canaries. An unknown station relays the broadcast irreg. on 10.81 to 10.83mc. (**Pilgrim, Ruth, Eders, Messer, RBO, Beisel, Reinhard, Waite, Ambrosius, G.G.)

SWEDEN SM5SX (15.155), Stockholm, operates daily 11am-5pm (Magnuson)

SWITZER- HBL (9.345), Geneva, now operates Thursdays 7:30-7:45pm

LAND (**RBO, White, Ambrosius, Groves) . . NEW: HB9D (9.535), Radio Club of Zurich, P.O. Box Zurich 2, operates Sun. 9-11am; Thur. 1-3pm (W.R.)

TURKEY New high power xmtr. for Ankara, will be ready by Sept. 1938.

U.S.S.R. NEW super-power short-wave xmtrs. with beams on Australia, So. Africa, Asia and No. America, will soon broadcast 24 hours daily (R. Stansfield-Pravda) . . RNE (12.06), broadcasts daily in French 8:30-9:15pm; in Russian 10-10:15; and 10:15-11pm in English (**RBO)

VATICAN- HVJ (15.12), Radio Vaticano, reported temporarily off the

CITY air, pending completion of new 50kW xmtr. (*Egyptian Radio)

YUGOSLAVIA YUA (6.1), whose power will soon be 2½kW, is now operating daily 1-3, and 6:30-8:30am, and noon-6:30pm. Station closes down with "Ovde Radio Bay-o-grard," and a Servian music box folk melody (*E.R.)

A F R I C A

ANGOLA Veri' from CR6AA gives sked as Wed/Sat 2:45-4:30pm, on 7.177mc. Transmissions on 9.666mc irregularly (**Myers-Calif.)

BEL.CONGO OPM (10.14), Leopoldville, heard Sept. 4, at lam (*Gallagher)

CANARIAS EAJ43 (10.37), not heard recently.

ETHIOPIA Heres a new complication. My report to Rome on IUG, was verified on a card with IUD crossed out and IUS printed in (*Kriebel)

F.SOMALILAND PZE8 (17.28), Djibouti, heard Sept. 15, at 10am (Gallagher)

MADAGASCAR Radio Tananarive now appears to be testing on approx. 11mc

but it is badly distorted and has a hum (*African Radio Announcer)

SOUTH AFRICA A 22kW xmt. of the P.O. Dept., located at Klipheuvell, is now relaying the programs of the African Broadcasting Corporation, nightly except Sat. 11:45pm-12:45am, daily ex. Sundays 9-11:40am, and Sundays 7, or 8, to 11:40am, on a freq. of 9.62mc (announced as 9.606mc) Reports should be sent to P.O. Box 4559, Johannesburg. This station, the loudest African broadcaster ever heard in No. America, announces as the "Klipheuvell Station" of the South African Broadcasting Corp. Station uses continuous tone similar to Daventry, prior to coming on the air gives blast of bugles at 11:45pm which is followed by setting-up exercises to midnight, when chimes strike the hour of seven. Reuters news follows; setting-up exercises again at 12:05am; Nuusdiens at 12:20am; markets at 12:30am, and station closes down with blast of trumpets at 12:45am. Announcements in English and Afrikaans (***Sholin, Gallagher, Moore, Criswell, Balbi, Pilgrim, Grey, Walcott, Clark, CAM, Stansfield, A.R.A.)

ASIA AND AUSTRALASIA

BRITISH MALAYA BURMA ZGB (13.63), Kuala Lumpur, does occasionally issue veris which are signed by W.C. Gee, also op. of VS2AB (**Gozen) Veri' from Engineer-in-charge, Government Radio Station 15th mile, Prome Road, Mingaladon, Rangoon, states 1 $\frac{1}{2}$ kw Marconi Beam xmt. of Post and Tel. Dept., installed for commercial Indo-Burma circuit, is broadcasting on a freq. of 6.007mc, daily 10-11:30pm and 8:15-8:45am in Burmese, and 7:30-8:15am in English. Reports appreciated (***DeMyer)

CHINA XGOX, Nanking, now on 9.8mc, relays XGOA, weekdays 7-10am; Sundays to noon. Woman gives English news at 7:30am. Call XGOA is used (***Ong, Balbi, Walcott, Gallagher, CAM) . . Xmt. on 9.59mc, 7-8:30am frequently is believed to be XGRX, Nanking. Lady gives news in English (**Ansell) . . XTV (9.5), Canton- XTA (9.55), Hankow- XOJ (15.8), Shanghai and XGN (17.64), Shanghai, heard working commercial phone near 10am on Sept. 9, 13, 21, 22 and Oct. 7 (**Gallagher) . . Small make-shift xmt. XOBI used for NBC relay through KAX, to replace xmt. destroyed (*Walcott)

DUTCH NEW GUINEA Amateur PK6WF (14.08), heard in early AM (**DeMyer) PANNING ISL. Oct. 3, at 6:30pm, a ham, using call VQ1AB (14.14) was heard calling LU7AC. Could this have been a pirate, or what? (*Goodeve)

F. INDO CHINA "Philco Radio," Saigon, on 6.22mc, with improved signals, now broadcasting in parallel with xmt. on 11.7 (**Walcott) . . NEW: Amateur FT8AC (14.265), France-Indiana-#8-America-Canada, power 50watt, and operated by R. Lebon, Box 13, Hanoi, heard working his first N.A. contact W6NNT, Oct. 1, at 6:35am PST (***Moore, DeMyer)

JAPAN 8-9am overseas hour over JZJ (11.8) only now (*Loyd); JVN (10.66), broadcasts market and news daily 1:50-2:20am; JVH (14.6) broadcasts news and weather daily 7:30-8am, both for Manchukuo (*Gallagher, Ambrosius); JVE (15.66), phones Bolinas regularly near lam (*Gallagher) . . Amateur J2ML, member of the 'Tokyo Univ. DX Gang' plans to increase power of his rig from 200 to 800 watts soon (*DeMyer)

JAVA PMK (11.5), broadcasts NIROM programs irreg. 7-9am, and phones regularly from 9-10am (*Balbi, CAM)

KWANTUNG JDY (9.925), Darien, gives war news in Japanese and Korean 7:30-7:45am-woman announcer; and news in English 7:45-8am (Kentzel)

P. I. Mysterious XW6A (14.135), 10w, was Ted Cournutt, ex-W6BAY, on board a cattle boat, bound for Manila, where he will spend five years operating xmt. in mines. It is very probable that reports on reception of XW6A, sent under-cover to KALYL, P.O. Box 3232, Manila, will be verified. Don't delay as Cournutt may go to China (***Pilgrim, Moore) . . KTR (10.91), Manila, is often heard phoning near 10am (*Gallagher)

SIAM HSP (17.74), Bangkok, phones often near 9:45 or 10am.

TAIWAN JFO (9.625), is the Taihoku xmt. that relays JFAK daily 4-10am. Woman reads news in English 9-9:30am; news in Chinese 9:30-10am. JIB (10.535), also relays JFAK from 9:05-10am (***Saito, Walcott, Gallagher, Eders) (Gallagher)

U.S.S.R. Unidentified Russian phone heard at 10pm on 12.07mc-
---LAST MINUTE NEWS---

NEW: Scheduled to start Oct. 15: COCU (6.59), relays CMCU "de Garcia Serra," owned by Jorge Garcia Serra, Estrada Palma No. 25, Vibora, Havana, Cuba weekdays 7am-mid., and Sun 7am-7pm. Power 400W (***Rubio-Havana) . . FR8VX (14.34), heard QSA3-4/R5, and positively identified on broadcast of Friday, Oct. 15, for IDA. No luck on Sat. or Sun. (***Reinhard-N.J.)

NEWS ITEMS, INCLUDING MANY SCOOPS, FROM 62 COUNTRIES THIS MONTH.

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 Oxrieder-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.
13.92	21.54	W8XK	Pittsburgh, Penna.	7-9am.	
S13.93	21.53	GSJ	Daventry, England	5:45-8:55, 9:15-10:30am.	
S13.94	21.52	W2XE	Wayne, New Jersey	7:30-10am; Sun 8am-1pm	13M
13.97	21.47	GSH	Daventry, England	5:45-8:55, 9:15am-noon.	
15.77	19.02	HS8PJ	Bangkok, Siam	Mondays 8-10am.	
S16.86	17.79	GSG	Daventry, England	3:15-5:30, 5:45-8:55, 9:15-noon, 12:20-3:45pm.	
S16.87	17.78	W3XAL	Boundbrook, N.J.	9am-6:45pm, 7-9pm; Sun 9am-noon, 12:15-6:45, 7-9pm.	16M
S16.88	17.77	PHI	Huizen, Holland	8:25-10am; Sat to 10:30am; Sunday 7:25-10:25am.	
S16.89	17.76	DJE	Zeesen, Germany	12:05-5:45am; Sun 11:10am-6:30-8pm to So. America.	
S16.89	17.76	W2XE	Wayne, New Jersey	6:30-8pm to So. America.	
S17.33	17.51	W2XGB	Hicksville, L.I., NY.	Tests mornings.	*
N17.33	17.51	W10XAB	REINDEER POINT, GREENLAND	irreg. near 2pm.	*
S17.36	17.28	FZES	Djibouti, F. Somaliland	Nov 4/Dec 2.6:45-7:15am	
19.52	15.57	HAS3	Budapest, Hungary	Sundays 9-10am.	
S19.56	15.34	DJR	Zeesen, Germany	8-9am to Central America	
19.57	15.33	W2XAD	Schenectady, N.Y.	11am-9pm.	*
S19.60	15.31	GSP	Daventry, England	4-6, 6:20-8:30pm to N.A.	
19.62	15.29	LRU	Buenos Aires, Argen.	7-9am. (4:50-10:45pm.	
S19.63	15.28	DJQ	Zeesen, Germany	12:05-5:45, 6-8, 8:10-11am,	
S19.64	15.27	W2XE	Wayne, New Jersey	1-6; 8:30pm-mid; Sun 2:30-6, and 8pm-midnight.	
S19.66	15.26	GSI	Daventry, England	12:20-3:45pm.	
S19.67	15.25	W1XAL	Boston, Mass.	Irregular.	
19.68	15.243	TPA2	Pontoise, France	6-11:05am.	19M
19.70	15.23	OLR5A	Prague, Czechoslov.	2-2:15pm.	
S19.71	15.22	PGJ	Huizen, Holland	Tues 4-6:30am; Wed 8-11am.	
19.72	15.21	W8XK	Pittsburgh, Penna.	9am-7pm. (to N.A.	
S19.74	15.20	DJB	Zeesen, Germany	12:05-11am, 4:50-10:45pm.	
S19.76	15.18	GSO	Daventry, England	3:15-5:30, 5:45-8:55am, 4-6	
S19.79	15.16	XEWW	Mexico D.F.	Irreg. (5:30pm	
S19.79	15.16	JZK	Nazaki, Japan	12:30-1:30am, 3-4, 4:30-	
C19.79	15.155	SM5SX	Stockholm, Sweden	11am-5pm.	
19.80	15.15	YDC	Bandoeng, Java.	5:30-11am; 6-7:30pm.	
S19.82	15.14	GSF	Daventry, England	9:15am-noon, 4-6pm.	
S19.85	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.	
SV20.11	14.92	LZA	Sofia, Bulgaria	5-6:30am, noon-3pm; Sundays 12:30-8, 10am-4:30pm.	*
S20.55	14.60	JVH	Nazaki, Japan	7:30-8am for Manchuckuo	*
S20.64	14.535	HBJ	Geneva, Switzerland	Sats. 6:45-8:15pm. (ing	
S20.75	14.46	DZH	Zeesen, Germany	Irreg. afternoon & even-	
N20.82	14.41	UPOL	North Pole Air-Base	2-9pm irreg.	*
N20.88	14.368	OX2QY	REINDEER POINT, GREENLAND.	After 8pm irreg.	*
S22.00	13.635	SPW	Warsaw, Poland	6-7pm; Sundays 6-8pm	*
23.33	12.862			Expeditions often work on this exp. frequency	
24.03	12.486	HIN	Trujillo City, D.R.	5:10-10:10pm, or later.	
24.39	12.30		Santiago, Chile	11am-1pm, 6-9:50pm irreg.	
24.52	12.235	TFJ	Reykjavik, Iceland	Sundays 1:40-2:30pm.	*
24.81	12.092	RNE	Moscow, U.S.S.R.	4-6pm irreg.	
SF24.88	12.06	RNE	Moscow, U.S.S.R.	Sun 6-7, 10-11am, 4-5pm; Wed 6-7am; M/W/F 4-5; dly 8:30-9:15, 10-11pm.	*
25.06	11.97	HI2X	Trujillo City, D.R.	Tu/F 7:40-10:10pm; Sun AM.	
SF25.18	11.913	CD1190	Valdivia, Chile	10am-1pm, and 8-11pm.	*
25.21	11.90	XEWI	Mexico D.F.	M/W/F 3-4pm, 9pm-mid; Tu/Th 7:30-mid; Sat 9pm-midnight	
25.21	11.90	HP5I	Aguadulce, Panama	7:30-9:30pm.	
25.24	11.885	TPA3	Pontoise, France	4-5am, 11:15am-6pm.	

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25.27	11.87	W8XK	Pittsburg, Penna.	7-10pm.
S25.34	11.84	OLR4A	Prague, Czechoslov.	2-2:15pm; Mon/Thur 7-9:10p
S25.36	11.83	W2XE	Wayne, New Jersey	Not in use at present.
25.37	11.826	XEBR	Hermosillo, Mexico	Has anyone heard lately ?
25.40	11.81	2R04	Rome, Italy (will probably use 31M soon)	6:43am-7:30pm on M/W/F, & to 7:45pm on Tu/Th/Sat; to 5:30pm on Sundays.
25.40	11.81	W9XAA	Chicago, Illinois	Heard irreg. to 7pm. #
25.41	11.805	COGF	Matanzas, Cuba.	6-11pm, and mornings. 25M
25.42	11.80	JZJ	Nazaki, Japan	8-9am, 3-4, and 4:30-5:30p
S25.44	11.795	DJO	Zeesen, Germany	4:50-10:45pm irreg. #
S25.45	11.79	WLXAL	Boston, Mass.	4:45-6:30pm. *(pm
25.47	11.778	OER2	Vienna, Austria	M to F 10am-5pm; Sa to 530
S25.49	11.77	DJD	Zeesen, Germany	10:40am-4:30, 4:50-10:45pm
N25.50	11.76	TGWA	Guatemala, Guatemala	Mon/Thurs 9-11pm & irreg.
N25.50	11.76	XETA	MONTEREY, MEXICO	Heard testing at lam. #
S25.53	11.75	GSD	Daventry, England	3:15-5:30, 10:45am-noon, 12:20-3:45, 6:20-8:30, 9-11 Sun/Wed 8-9pm.
FS25.58	11.73	PHI	Huizen, Holland	6pm-mid; Sundays 3-9:30pm.
25.60	11.72	CJRJX	Winnipeg, Canada	11:45pm-12:30, 4:30-6:30
25.60	11.718	CR7BH	Laurencio Marques, Moz	9:30-11am, 12:30-4pm.
S25.62	11.71	YSM	San Salvador, El Salvador	1-2:30pm. *
N25.62	11.71	XEWB	Guadalajara, Mexico	Heard testing *
25.63	11.705	SBG	Motala, Sweden	1:20-2:05, 6-9, 11am-1:30pm
VF25.63	11.703	TPA4	Pontoise, France	6:15-8, and 10pm-lam. *
SF25.64	11.702	CB1170	Santiago, Chile	10am-2, 3:30-11pm. *
25.64	11.70	HP5A	Panama City, Panama	11:30am-1, 6-10pm.
V25.64	11.70		Saigon, F. Indo-China	4:30, or 5:30 to 9:30am.
N26.02	11.53	SPB?	WARSAW, POLAND	6-7pm; Sundays 6-8pm. *
V26.11	11.49	COCX	Havana, Cuba	Relays CMX 6:55am-lam.
S26.32	11.402	HBO	Geneva, Switzerland	Sats. 6:45-8:15pm.
S27.17	11.04	CSW	Lisbon, Portugal	2-6pm, to Africa. *
27.27	11.00	PLP	Bandoeng, Java	5-11am, 6-7:30pm. (irreg. #
VN27.73	10.82		Mystery Spanish xmtr	relays 10.37mc, 9-9:45pm
S28.14	10.66	JVN	Nazaki, Japan	1:50-2:20, 3:50-7:40am. *
S28.48	10.535	JIB	Taihoku, Taiwan	Relays JPAK 9:05-10am irr
S28.93	10.37	EAJ43	Tenerife, Canarias.	Heard irreg. *
VN28.93	10.37		(SALAMANCA, SPAIN	8-8:45, 9-9:45pm. *
29.04	10.33	ORK	Ruyssselede, Belgium	1:30-3pm to Belgian Congo
29.24	10.26	PMN	Bandoeng, Java	5:30-11am, 6-7:30pm.
29.61	10.133	CQN	Macau, Macau	Mon. and Fri. 7-8:30am.
S30.18	9.94	CSW	Lisbon, Portugal	6-9pm. *
30.23	9.925	JDY	Darien, Kwantung	7:15-8am
30.32	9.895	CPL	Sucre, Bolivia	8-10pm irreg.
S30.43	9.86	EAQ	Madrid, Spain	6-8pm *
V30.51	9.833	COCM	Havana, Cuba.	Relays CMCM 8am-midnight.
F30.61	9.80	XG0X	Nanking, China	7-10am; Sundays to noon *
30.78	9.746	COCQ	Havana, Cuba	Relays CMQ 6:55am-lam. (*
30.98	9.685		Fort-de-France, Martinique,	approx. 6:30-7:30pm
N30.98	9.685	TGWA	Guatemala, Guatemala	Irreg. on this freq. *
V31.05	9.663	TL1NRH	Heredia, C.R.	9-10, 11:30-mid. very irr
31.06	9.66	LRX	Buenos Aires, Argen.	9:30am-11:30pm.
J31.09	9.65	CT1AA	Lisbon, Portugal	Tu/Th/Sat 4-7pm.
S31.11	9.645	HH3W	Port-au-Prince, Haiti	1-2, and 7-9pm. *
F31.12	9.638	CXA8	Montevideo, Uruguay	Relays LR3 7am-midnight *
31.14	9.635	2R03	Rome, Italy	Will use this freq. soon.
N31.15	9.630	HJ7ABD	BUCARAMANGA, COLOMBIA	7-10:30, or 11pm. *
SC31.18	9.625	JFO	Taihoku, Taiwan	4-10am. * (9-11:40pm*
N31.19	9.62		KLIPHEUVEL, S.AFRICA	11:45pm-12:45am ex. Sat.-
31.20	9.618	HJ1ABP	Cartagena, Colombia	7-9, 11am-1:30pm, 5-10:30pm
31.23	9.607	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.
31.27	9.595	HBL	Geneva, Switzerland	Sats. 5:30-6pm. 31M
S31.28	9.59	PCJ	Huizen, Holland	Sun 2-3, 7-8; Tu 1-3:30, 7-9:30pm; Wed 1-3:30, 8-10:30 pm; Fri. 9-11pm.
31.28	9.59	VK6ME	Perth, W. Australia	Weekdays 6-8am.

S31.28	9.59	VK2ME	Sydney, Australia	Sun 1-5, 4:30-8:30, 9-11am.
31.28	9.59	W3XAU	Philadelphia, Penna.	M/T/Th/F/S Nn-8pm; Wed/Sun Nn-7pm; Thursday 10-11pm.
S31.32	9.58	GSC	Daventry, England	9-11pm.
SP31.32	9.58	OAX5C	Ica, Peru	8-11:30pm, or midnight. *
31.32	9.58	VK3LR	Melbourne, Australia	12:45-2, 3:30-8:30am.
31.35	9.57	WLXK	Springfield, Mass.	6am-1am; Sun. 8am-1am.
31.35	9.57		Manila, Philippines	4:30-9pm; Sat to 10am.
S31.38	9.562	OAX4T	Lima, Peru	11:30am-1:30pm. *
31.38	9.56	DJA	Zeesen, Germany	12:05-11am; 4:50-10:45pm.
31.41	9.55	YDB	Soerabaja, Java.	5:30-11am. (9:10pm irreg.)
S31.41	9.55	OLR3A	Prague, Czechoslov.	2:30-4:30pm; Mon/Thur 7-
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	12:05-11am, 4:50-10:45pm.
N31.47	9.535	HB9D	ZURICH, SWITZERLAND	Sun 9-11am; Thurs 1-3pm. *
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-1:30, 4-10am, Sat-
N31.50	9.525		Paris, France	7-7:30pm (9:15pm-Sun 1:30
31.50	9.523		Tananarive, Madagascar	12:30-12:45, 3:30-4:30am
31.51	9.52	LKJ1	Jeloy, Norway	5-8am (and 10-11am.
31.51	9.52	HJ4ABH	Armenia, Colombia	6-10pm and early AM.
31.51	9.52	OZF	Skamlebak, Denmark	2-4:15; 4:15-6:45pm N.A.
S31.55	9.51	GSB	Daventry, England	3:15-5:30am, Noon-6pm, 6:20-8:30, 9-11pm.
31.55	9.51	HS8PJ	Bangkok, Siam	Thursdays 8-10am.
31.55	9.51	HJU	Buenaventura, Colom.	Mon/Wed/Fri 8-11; Su 6-8pm
31.58	9.502	XEWV	Mexico D.F.	6pm-midnight irreg.
31.58	9.50	HJ1ABE	Cartagena, Colombia	5-10:30pm ex. Sundays
31.58	9.50	PRF5	Rio de Janeiro, Braz	4:45-55pm ex. Sundays.
B31.58	9.50	VK3ME	Melbourne, Australia	4-7am except Sundays.
B31.62	9.488	EAR	Madrid, Spain	7-9:30pm irreg.
B31.73	9.453	TGW	Guatemala, Guatemala	8-10, 11pm-mid; to 5am Sun.
J31.73	9.45	XEDQ	Guadalajara, Mexico	Non-4:30pm, 8-11:30pm. *
B31.78	9.44	HCODA	Guayaquil, Ecuador	8:15-10:15pm ex. Sundays.
31.81	9.43	COCH	Havana, Cuba.	7:30am to midnight.
S32.11	9.345	HBL	Geneva, Switzerland	Thursdays 7:30-7:45pm *
F32.12	9.34	OAX4J	Lima, Peru	Noon-3, and 5pm-1am.
J32.22	9.31	COBC	Havana, Cuba.	Relays CMBC 6:55am-12:30a
32.26	9.30	YNGU	Managua, Nicaragua	1-2:55, and 5:30-8pm.
S32.63	9.195	COBX	Havana, Cuba.	Relays CMEX 8am-11:30pm.
32.87	9.125	HAT4	Budapest, Hungary	Sun/Wed 7-8pm; Sat 6-7pm.
V33.33	9.00	COBZ	Havana, Cuba	7:42am-12:10am; till 2am Sunday; Sun 7:42am-noon.
F33.71	8.90	COKG	Santiago, Cuba.	5-6, and 9:30-10:30pm. *
S33.94	8.84	HCJB	Quito, Ecuador	5-10pm except Mondays. *
S34.11	8.795	HKV	Bogota, Colombia	Tues/Fri 7-7:15pm. *
34.66	8.664	COJK	Camaguey, Cuba.	7am-11pm.
34.88	8.60	HC1EC	Quito, Ecuador.	
FV34.92	8.59	YNPR	Managua, Nicaragua	8-10:30pm. *
J36.01	8.33	HC2CW	Guayaquil, Ecuador	7-11pm; Sun 3-5pm. *
38.00	7.894	YSD	San Salvador, El Salvador	9-10:15, or 10:30pm.
B38.20	7.854	HC2JSB	Guayaquil, Ecuador	9am-2pm, 4-11pm.
38.47	7.797	HBP	Geneva, Switzerland	Sats. 5:30-6pm.
B39.68	7.56	YNLF	Managua, Nicaragua	6:45-9:45pm.
J39.74	7.55	T18WS	Puntarenas, C.R.	5-7, 8:30-10pm; Sun 5-6pm.
F39.79	7.54	RKI	Moscow, U.S.S.R.	7-9:15pm with RAN. *
40.65	7.38	XECR	Mexico D.F.	Sundays 6-8pm.
J41.00	7.315	YNLAT	Granada, Nicaragua	8-10pm irreg.
41.10	7.30	HB9BG	Lucerne, Switzerland	Fridays 4-5pm.
41.15	7.29	PSU1	Barcelona, Spain	3:50 and 6:30pm.
41.32	7.26	ED2GT	Bilbao, Spain	Relays EAJ8 at 2:30pm.
V41.55	7.22	ECN1	Barcelona, Spain	Noon-1, 4-5pm; Sun 5-7pm.
41.67	7.20		San Sebastian, Spain	Evenings to 9:30pm.
41.67	7.20	YNAM	Managua, Nicaragua	8-11pm.
F41.80	7.177	CR6AA	Lobita, Angola.	Wed/Sat 2:45-4:30pm *
42.25	7.10	FO8AA	Papeete, Tahiti	Tues/Fri 11pm to midnight
S42.25	7.10		Guadalajara, Mexico	9-11pm. *

JL2.80	7.00	EA9AH	Tetuan, Sp. Morocco	4:30-7pm irreg.
43.04	6.97	HCETC	Quito, Ecuador	Mon/Sat 8-9pm.
43.48	6.90	HI2D	Trujillo City, D.R.	5-7pm irreg.
43.60	6.88	TI2RS	San Jose, C.R.	10-11:30pm.
VF44.09	6.805	HI7P	Trujillo City, D.R.	7:10-8:40pm; Sun 9:40-10:40
VF44.12	6.80	PZH	Paramaribo, D. Guiana	Mon/Wed/Fri 5:40-9:40pm.*
44.28	6.775	HIH	San Pedro, D.R.	7:40-9:10pm; Sun 5:30-6:30
44.51	6.74	HCLTQ	Quito, Ecuador	Sundays 5-7pm.
44.58	6.73	HI3C	La Romana, D.R.	6:10-7:40pm; irreg. to 11p
44.60	6.727	PMH	Bandoeng, Java	5:30-11am.
44.86	6.687	TIEP	San Jose, C.R.	7-10:30pm; Sat. to mid.
FJ45.11	6.65	YNLG	Managua, Nicaragua	1:30-2:30, 6-10pm. *
45.22	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; 5:40-8:40pm.
45.29	6.625	PRADO	Riobamba, Ecuador	Thursdays 9-11pm. (am-7pm*
45.52	6.59	COCU	HAVANA, CUBA	Relays CMCU 7am-mid; Sun 7
45.60	6.578	HCVT	Ambato, Ecuador	7-10pm; to 11pm on Friday
45.76	6.555	HILD	Trujillo City, D.R.	5:10-8:10pm ex. Sundays
45.80	6.55	TIRCC	San Jose, C.R.	Tu/Th/S 6-7pm; Su/Th 9-10p
45.84	6.545	YV6RB	Bolivar, Venezuela	6:30-9:30pm ex. Sundays
45.87	6.54	YN1GG	Managua, Nicaragua	1-2:30pm, 8-10pm ex. Sunday
46.01	6.52	YV4RB	Valencia, Venezuela	10:30am-1:30pm, 5:30-9:30p
46.15	6.50	TIOW	Port Limon, C.R.	10-11:30am, Sundays 2-3pm
46.15	6.50	HIL	Trujillo City, D.R.	5:40-8:40pm ex. Sundays.
46.26	6.485		Tetuan, Sp. Morocco	7-8pm. (irreg*
46.26	6.485	HILL	Santiago d.l.c., D.R.	Weekdays to 7pm, and 8-9pm
46.31	6.479	H18A	Trujillo City, D.R.	5:40-7:40pm ex. Sundays.
46.51	6.45	H14V	S.F. de Macoris, DR.	5:10-8:40pm ex. Sundays *
46.73	6.42	H11S	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.	6-11:30pm.
46.88	6.40	YV5RH	El Valle, Venezuela	5-9:30pm ex. Sundays. (Sun.
47.02	6.38	YV5RF	Caracas, Venezuela	11am-1pm, 5:30-9:30pm ex.
47.02	6.38	ZP14	Villarica, Paraguay	4:30-6pm; Sat/Sun 11am-5pm
47.14	6.365	YV1RH	Maracaibo, Venezuela	8:30-11pm.
47.20	6.357	HRP1	San Pedro Sula, Honduras	7:45-10pm ex. Sundays.
47.32	6.34	H11X	Trujillo City, D.R.	12:10-1:10pm; Su 7:40-10:40
47.36	6.335	OAX1A	Chiclayo, Peru	am; Tu/Fri 7:40-10:10pm.
47.43	6.324	COCW	Havana, Cuba	8-11pm.
47.54	6.31	HIZ	Trujillo City, D.R.	6:55am-1am; Sun 9:55am-10p
47.54	6.31	TG2	Guatemala City, Guat	5:10-7:40pm ex. Sundays.
47.62	6.30	YV4RL	Maracay, Venezuela	Has anyone heard lately?
47.66	6.295	OAX4L	Lima, Peru	6-10pm except Sundays.
47.76	6.282	COHB	Sancti Spiritus, Cuba	7-11pm.
47.77	6.28	HIG	Trujillo City, D.R.	9am-Nn, 4-6, and 9-11pm.
47.85	6.27	YV5RP	Caracas, Venezuela	8:10-9:40pm; T/F 6:40-8:10
47.96	6.255	YV5RJ	Caracas, Venezuela	6:30-9:30pm, or later.
48.05	6.243	HIN	Trujillo City, D.R.	5:30-8pm ex. Sundays.
48.11	6.235	HRD	La Ceiba, Honduras	5:10-10:10pm, or later.
48.19	6.225	YV1RG	Valera, Venezuela	7:30-10:30pm ex. Sundays.
48.23	6.22		Saigon, F. Indo China	11:30am-1pm, 6-9pm.
48.35	6.205	YV1RI	Coro, Venezuela	4:30, or 5:30 to 9:30am.
48.39	6.20	ZGE	Kuala Lumpur, FMS	6:30-9:30pm ex. Sundays.
48.47	6.19	H11A	Santiago, D.R.	Sun/Tues/Fri 6:40-8:40am.
48.60	6.172	XEXA	Mexico D.F.	10:40am-1:40pm, 6:40-9:40p
48.70	6.16	CP12	Cochabamba, Bolivia	7-11:30pm.
48.73	6.156	YV5RD	Caracas, Venezuela	Noon-12:30pm, 8:30-10:30pm
48.78	6.15	HI5N	Moca City, D.R.	3:30-10pm.
48.78	6.15	CJRO	Winnipeg, Canada	6-7am, Noon-2pm, 6-9:30pm.
48.81	6.147	ZEB	Bulawayo, S. Rhodesia	6am-mid; Sun 3-9:30pm.
48.82	6.145	HJ4ABE	Medellin, Colombia	Su 3:30-5am; M/W 1:15-3:15
48.86	6.14	W8XK	Pittsburgh, Penna.	pm; Tu/T 11am-Nn, Th 10am-
48.88	6.137	CR7AA	Laurencio Marques, Moz.	7:30-10:30pm *
48.93	6.132	VE9HX	Halifax, N.S., Canada	10pm to sign-off.
48.93	6.132	VP3BG	Georgetown, B. Guiana	11:45pm-12:30, 4:30-6:30
				-9:30-11am, 12:30-4pm.
				Day irreg; 5-11pm.
				3-7:45pm; Sun 4:45-6:45pm.

48.94	6.13	LKJ1	Jeloy, Norway	11am-5pm.
48.94	6.13	COCD	Havana, Cuba	10am-1am; Sun 10am-10pm.
48.98	6.125	CXAL4	Montevideo, Uruguay	8am-noon, 2-10pm.
48.98	6.125	XEPW	Mexico D.F.	8am-mid; irreg. to 2am.
V48.98	6.125	HP5H	Panama City, Panama	7-10pm.
B49.04	6.117	XEUZ	Mexico D.F.	9am-1pm, 7pm-3am.
V49.10	6.11	VPB	Colombo, Ceylon	7-9:30am.
49.11	6.109	VUG	Calcutta, India	2:06-3:06am; Sun 12:36am &
49.11	6.108	HJ4ABB	Manizales, Colombia	5:30-10pm ex. Sun; Sa to 11
49.18	6.10	W3XAL	Boundbrook, N.J.	9:15pm-1am.
49.18	6.10	W9XF	Chicago, Illinois	5-8:05pm; 12:05-1am. (*
S49.18	6.10	YUA	Belgrade, Yugoslavia	1-3, 6:30-8:30am, Nn-6:30pm
S49.20	6.097	ZTJ	Johannesburg, S.Afr.	11:45am-4pm. (See 9.62) *
S49.26	6.09	CRGX	Bowmanville, Canada	7:45am-5pm; Sat 11pm-mid &
49.26	6.09	HJ4ABC	Ibague, Colombia	8-10pm ex. Sunday.
N49.26	6.09	XEEF	Guadalajara, Mexico	Heard testing. *
49.30	6.085	HJ5ABD	Cali, Colombia	7-11pm ex. Sunday
49.32	6.083	VQ7LO	Nairobi, Kenya	6-6:30am; 11:45-2:45pm; -
49.34	6.08	W9XAA	Chicago, Illinois	6-7:30am ex. Sun; 7-10pm.
49.37	6.077	OAX4Z	Lima, Peru	7-11:30pm ex. Sundays.
B49.38	6.075	YV1RD	Maracaibo, Venezuela	Is anyone hearing YV1RD ?
49.40	6.072	OER3	Vienna, Austria	10am-5pm; Sat to 5:30pm.
S49.42	6.07	CFRX	Toronto, Canada	7:30am-mid; Sun 11am-mid.
49.43	6.69	HJ3ABF	Bogota, Colombia	7pm-mid. except Sundays.
49.46	6.065	SBG	Motala, Sweden	1:30-5pm irreg.
49.47	6.064	VP3MR	Georgetown, B. Guiana	4:45-7:30pm. 49M
49.50	6.06	OXV	Skamlebak, Denmark	1-6:30pm; Sun. 11am-7pm.
S49.50	6.06	W3XAU	Philadelphia, Penna	8-11pm; Thurs 8-10pm.
S49.50	6.06	W8XAL	Cincinnati, Ohio	6am-8pm, 11pm-2am; Su 8-8pm
49.53	6.057	ZHJ	Penang, S.S.	6:40-8:40am.
F49.59	6.05	HJ6ABA	Pereira, Colombia	9-noon, 6:30-10pm.
V49.65	6.042	HJ1ABG	Barranquilla, Colom.	6:30-11pm ex. Sundays.
S49.67	6.04	W1XAL	Boston, Mass.	7-9pm except Saturdays.
49.75	6.03	HP5B	Panama City, Panama	8-10:45pm.
49.75	6.03	W93CA	Calgary, Alta, Canada	10am-2am.
49.77	6.028	HJ1ABP	Medellin, Colombia	8-11pm ex. Sundays.
49.79	6.025	HJ1ABJ	Santa Marta, Colom.	5:30-10:30pm ex. Sundays.
B49.83	6.02	XEUW	Veracruz, Mexico	10pm-1am. (to N.A.
S49.83	6.02	DJC	Zeesen, Germany	10:40-4:30; 4:50-10:45pm-
V49.86	6.017	H13U	Santiago, D.R.	4:40-9:40pm ex. Sundays.
49.91	6.012	HJ3ABH	Bogota, Colombia	4-11pm; Sun 4-9pm.
49.91	6.012		Tananarive, Madagascar	12:30-12:45, 3:30-4:30am
				and 10-11am.
49.92	6.01	COCO	Havana, Cuba	7:55am to midnight.
N49.92	6.01	CJGX	SYDNEY, NOVA SCOTIA	7am-1:30, 4-8:30pm.
49.92	6.01	9MI	S.S. Kanimbla	Sun/Wed/Thur 6:55-7:30am.
S49.94	6.007		Rangoon, Burma.	7:30-8:45am, and 10-11:30p
S49.95	6.005	CFGX	Montreal, Canada	7:45am-1am; Su 9am-11:15pm
V49.95	6.005	HP5K	Colon, Panama	7-8am, 8-10:30, or 11pm.
50.00	6.00	XEBT	Mexico D.F.	10am-1:45am.
S50.00	6.00	CXA2	Montevideo, Uruguay	Reported 7:30-10:30pm *
N50.02	5.997		Lisbon, Portugal	2:30-4:30pm; Sun/Thur 6-7a
V50.08	5.99	HJ2ABD	Bucaramanga, Colom.	6-10pm.
50.21	5.975	OAX4P	Huancayo, Peru	9-11pm. (10:36am-12:36pm *
S50.45	5.947	PJCI	Curacao, N.W.I.	M/W/F 6:76-8:36pm; Sun-
50.51	5.94	TG2X	Guatemala, Guatemala	M/W/Sa 9-10:30pm.
50.55	5.935	YV1RL	Maracaibo, Venezuela	11am-1pm, 4:30-9:30pm.
V50.64	5.925	HH2S	Port-au-Prince, Haiti	7-10, or 11pm ex. Sundays
V50.73	5.913	YV4RH	Valencia, Venezuela	5-9:30pm.
50.81	5.905	TILS	San Jose, C.R.	Noon-2:30pm, and 6-11pm.
50.85	5.90	ZNB	Mafeking, Bechuanaland	2-3am and 1-2:30, or 3pm
V50.89	5.895	YV3RA	Barquisimeto, Venez.	5:30-9:30pm ex. Sundays.
50.98	5.885	HI9B	Santiago, D.R.	6:40-8:40pm.
51.07	5.875	HRN	Tegucigalpa, Honduras	6-9:30pm.
51.24	5.855	H11J	San Pedro, D.R.	11:40am-1:40pm, 6:10-8:40p
51.28	5.85	YV1RB	Maracaibo, Venezuela	10:45-12:40pm, 4:30-9:30pm
51.42	5.835	YV5RR	Caracas, Venezuela	Under construction
V51.51	5.824	TIGPH	San Jose, C.R.	Nn-2pm, 7-11pm ex. Sundays