

THE GLOBE CIRCLER

APRIL 1936



Transmitter Shack of famous Amateur Radio-phoner W2BSD
New Rochelle, New York

ONE
DIME

INTERNATIONAL DX'ERS ALLIANCE

SHORT-WAVE NEWS

RADIO JERUSALEM

DE-LUXE SHORT-WAVE LIST

NEW JAPANESE FREQUENCIES

BROADCAST STATION TUNING CHART

NEW JAPANESE FREQUENCIES

RADIO JERUSALEM

-Akifusa Saito-

NOTE: These new government frequency allocations will be in effect sometime in the near future

KG/S	CALL	LOCATION	WATTS
560	MTCY	Shinkyo (m)	100000
580	JFCK	Taichu (t)	1000
590	JOAK-1	*Tokyo	150000
600	JONG	*Miyazaki	500
610	JOJK	Kanzawa	3000
618.5	KZRM	Manila, P.I.	50000
630	JOKK	Okayama	500
640	JODG	Hamamatsu	500
650	JOUK	Akita	300
660	XGOA	Nanking, China	75000
670	JOTK	Matsue	500
674	MTFY	Harbin (m)	3000
680	JOVK	Hakodate	500
690	JOBK-1	Osaka	10000
700	JOCG	Asahigawa	300
710	JODK-2	Keijo, Chosen	10000
720	JORK	Kochi	500
720	JFBK	Tainan (t)	1000
730	JOCK-1	Nagoya	10000
740	JOSK	Kokura	1000
750	JFAK	Taihoku (t)	10000
760	JQAK	Dairen (m)	500
770	JOHK	Sendai	10000
780	JOFK	Shizuoka	500
790	JOGK	Kumamoto	10000
800	JOKG	*Kofu	500
810	JOIK	Sapporo	10000
830	JOFK	Hiroshima	10000
870	JOAK-2	*Tokyo	150000
890	MTBY	Hoten (m)	1000
890	JOLG	*Tottori	500
910	JOLK	Fukuoka	500
920	JOQK	Niigata	500
930	JOAG	Nagasaki	500
940	JOBK-2	Osaka	10000
950	JONK	Nagano	500
970	JOIK-2	Keijo, Chosen	10000
980	JOXK	Tokushima	500
990	JOCK-2	Nagoya	10000
1000	JOBG	Maebashi	500
1020	JOFG	Fukui	300
1030	JBAK	Fusan, Chosen	150
1040	JOJG	*Yamagata	500
1050	JOHG	Kagoshima	500
1060	JOIG	Toyama	500
1070	JOOK	Kyoto	300
1080	JOOG	*Obihiro	500

Symbols: * under construction; (m) Manchukuo; (t) Taiwan.

APPOINTMENTS

FOREIGN REPRESENTATIVES:

EGYPT-Aram Ishkanian, 21 Fouad St, Cairo, Egypt.

HAITI-C. Ricardo Widmaier, Jr. P.O. Box A-117, Port-au-Prince, Haiti.

STATE MANAGERS:

MARYLAND-Wm. Rank, Box 41, Frostburg Maryland.

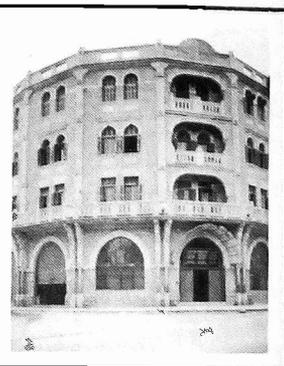
TENNESSEE-H. M. Weatherly, 600 Fairmount Blvd, Knoxville, Tennessee.

Above:

JERUSALEM
BROADCASTING
HOUSE

Below:

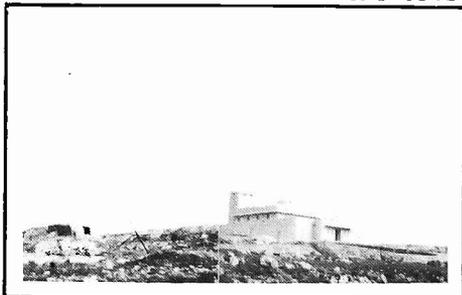
RADIO
JERUSALEM
TRANSMITTER
BUILDING



Radio Jerusalem, the first broadcasting station in Palestine is on the air. The frequency is 660kc, or wave-length of 449.1 meters, the same channel as that occupied by the British North Regional station. Power is 20,000 watts. Transmitter built by Marconi works.

Programs will include English, Hebrew and Arabic, with music and news of the three nationalities.

--M. F. Frost



W2BSD

(Photo on front Cover)

W2BSD, 183 Drake Ave, New Rochelle New York, is owned by radio pioneer Geo. C. Cannon, and operated by I. D. A member, Theo. M. Healy.

W2BSD, normally operated on 14.17 megacycles between 14 and 2200 G. M. T. Power about 1000 watts.

W2BSD is conducting research affecting short-wave reception and desires the co-operation of every IDA member in listening for, and reporting on, the transmissions of W2BSD. Those reporting the signals of W2BSD will receive a photo, and schematic description of the station and blank log sheets for reporting upon future transmissions of the station. Here is a chance for foreign members to co-operate in a very worth-while scientific venture.

BROADCAST STATION NEWS

EUROPE

Austria The antenna of Radio Vienna, 592kc, 100kw, uses special reflectors, which makes it highly directional to the West (Mercieca)

Bulgaria New 100kw station is to be erected at Vakarel, 25 miles from Sofia, during the year. Relay stations will be erected at Stara-Zagora in Central Bulgaria and at Varnas, or Burgas on the Black Sea.

Czecho-slovakia New 100kw station under construction at Prague, will work on 1204kc. 120kw station to be built at Noutra and the power of Brno, 922kc, is to be raised to 40kw.

France PTT, station Nice-Corse, 1185kc, 60kw, uses the following call: "Ici Nice-Cote d'Azur, Station d'Etat". The former Radio Cote d'Azur transmitter, 1249kc, 800 watts is reported to have closed down...

L'Ile de France, 700 watts, has moved from 1348 to 1366kc... Toulouse-Muret, 776kc, 60kw, will be officially inaugurated on Easter Sunday...

Bordeaux-Lafayette PTT, 1077kc, 25kw, starts at 1:45 am EST, with boat siren repeated three times. Closes down with "Sur les Bords de la Garonne", at approximately 6P.M. EST.

U.S.S.R. Soviet government plans twenty new 100 to 150kw stations. (Yaounde.)

AFRICA

Cameroons French PTT will erect broadcast stations at Doula and-

ASIA

China It is reported that a new 100kw station is to be erected at Peilingmao, with relays at Nanking, Kalgan and Peking. (Mercieca)

Japan Construction on the two new 150kw JOAK stations at Tokyo, is progressing satisfactorily. They will probably be completed shortly

U.S.S.R. The new 10kw station at Tcheliabinsk, 577kc, has been heard testing near 11 p.m. (Japan time), 6a.m. PST. (Saito)

AUSTRALASIA

Australia New station, 4LG, Longreach, Qlsd, to operate on 1100kc, with 300 watts power, will be on the air shortly (Preece) ... 6WA, Minding, W. Australia, 560kc, 10kw, will not be completed until about July... 2AD, Armidale, N.S.W., 1080kc, is on the air.

N.Z. New 60kw, 2YA, Wellington, may be completed this year.

SOUTH AMERICA

Brazil 100kw catholic station, Radio Anchista, has been inaugurated recently at Sao Paulo. Frequency not known as yet (Mercieca)

NORTH AMERICA

Canada CHNS, Halifax, N.S., 1kw, now on 960kc.

Cuba CMCQ, 250 watts and CMOA, 150 watts, both of Havana, are now on 1120kc... CMBY, 150 watts and CMOK, 150 watts, both of Havana, are now on 1200kc... CMCG, Havana, 250 watts, now on 680kc... CMCR, Havana, 150w, now on 1380kc... CMBX, Havana, 500 watts, now on 1060kc... CMBC, Havana, 500 watts, now on 640kc... CMCU, Havana, 150 watts, now on 1460kc.

D.R. New station, HIT, "La Voz de la RCA Victor", Apartado 1105, Ciudad Trujillo, operates on 1050kc, with 50 watts.

Hawaii KHBC, Hilo, 1400kc, 250 watts, will be completed by about November, 1936.

Mexico XEAQ, Rosarito Beach, L.C., 1090kc, now using 1000 watts of power... XEW, Mexico, D.F., 50kw, reported on a new frequency of 740kc.

U.S.A. New stations authorized for: Redding, California, 1200kc, 100 watts; New Castle, Pennsylvania, 1420kc, 100 watts (Daytime); Pottsville, Pennsylvania, 580kc, 250 watts (Daytime) ... New frequency assignments: WILL, Urbana, Illinois, 1kw, 580kc; WDZ, Tuscola, Illinois, 100 watts 1020kc... New power ratings: KFPY, Spokane, Washington, 890kc, 5kw day; WSPD, Toledo, Ohio, 1340kc, 5kw day; WJBC, Bloomington, Illinois, 1200kc, 250 watts day; WHBU, Anderson, Indiana, 1210kc, 250 watts day; WFBM, Indianapolis, Indiana, 1250kc, 5kw day; KID, Idaho Falls, Idaho, 1320kc, 1kw day; WBJ, Roanoke, Virginia, 930kc, 5kw day; KFDM, Beaumont, Texas, 560kc, 1kw day; KARK, Little Rock, Arkansas, 890kc, 500 watts day; WIBW, Topeka, Kans, 580kc, 5kw day.

-EST-

DX TIPS PERIODS

-EST-

Weekly	Tues., 6:35-7pm	9530kc SW	Schenectady, N.Y.	ED	W2XAF
Weekly	Fri., 12-12:30am.	1300kc 1kw	Los Angeles, California	EJ	KFAC
Weekly	Sat., 12-12:30am	980kc 50	Pittsburg, Pennsylvania	JS	KDKA
Weekly	Sun., 12:30-12:45am	640kc 50	Los Angeles, California	FA	KFI

COMMENTATORS: ED-Darlington, EJ-Jones-Ellis, JS-Stokes, FA-Andrews

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International

Published Monthly Excepting July

**Dx'ers Alliance**CHARLES A. MORRISON
EDITOR

VOLUME 4

BLOOMINGTON, ILLINOIS, U. S. A.

NO. 4

I. D. A. CHAPTERS

ALPHA (Toledo) progressing satisfactorily, and extensive plans are being made for a flying start and great enlargement of membership starting with next DX season.

BETA (New York) going right ahead with membership campaign, and have already added several new dx'ers. Through courtesy of Robt. Hertzberg of Wholesale Radio, announcements of all Beta Chapter meetings will be displayed on their bulletin board.

CELERY CITY (Kalamazoo) having regular meetings and have appointed J. Cooper, as permanent chairman.

DELTA (Lansing). Regular meeting was held at home of Charles Williams, on March 12. There was a good attendance, and all enjoyed a fine time.

REGINA JUBILEE (Regina). Only four attended Feb. 16 meeting, on account blizzard and 45 below zero weather

Meeting of Mar. 1 was well attended. Final results of Inter-chapter DX contest with Calgary Foothills disclosed Calgary winning in the short-wave division, with 15850 to 6164 points, but Regina Jubilee the victor in the broadcast section with 2730 to 98 points. The leaders in the S. W. contest were McGuire 5512, Mathews 3527 and Johnson 2625, all of Calgary. The winners in the broadcast division were Westmoreland 1232, Dickenson 574 and Ansell 504, all of Regina.

CALGARY FOOTHILLS (Calgary) held regular meeting with fine attendance. A constitution and By Laws, for the Chapter were drawn up and officially adopted. It was decided that all members using S.W.L. cards were to identify themselves as IDA members. Mr. DeBitt, recently returned from Radio School in Toronto, gave an interesting account of his experiences. A talk on Q.R.M. was given by Mr. Stunden of the Govt. Dept. of Marine, and the Chapter was assured all possible co-operation in suppressing interference. Calgary now has 17 local members.

JEWEL OF THE MEDITERRANEAN-Malta, are making great strides. Official Chapter reception report forms have been printed and a local column is being run in the "Malta Chronicle" about Chapter activities

Meeting was held on Feb. 11, and all members were present. It was decided to rent suitable meeting quarters, with local chapter dues to defray this expense. It was proposed that the Chapter acquire a Patterson PR16, and a World Globe for the club rooms. An especially bounded edition of the "Radio Amateur Call Book" was presented to the Chapter by Mr. Mercieca. A general discussion of DX conditions wound up the meeting. The Chapter will meet the first week in each month.

Through the activity of M. Michaelson, Dr. Twomey and Robt. Green, a local Chapter in Minneapolis, Minn. has been assured.

CONTEST SUGGESTIONS

The most practical suggestions we have received for permanent annual contests, are furnished by R. T. Coales, of Southsea, England. His plan is that each district having five or more members run an independent BCB and S. W. contest for a small cup as an annual reward. The contest would last for five months during the best DX season in that particular locality. Each winner's record would then be forwarded to headquarters and the best all-around showing, in the opinion of the judges, would be given the title of IDA DX Champion, and hold a permanent grand trophy for a period of one year. We would like to know your reaction to this plan

How many would be interested in a Summer contest for reception of 20 meter foreign amateurs? If enough are willing to co-operate to make it worth while, we will be glad to work out details, so that the contest could start by May 15. Drop us a card on this matter at once, including your suggestions for rules and awards- Ed.

NEW I. D. A. MEMBERS

James F. Cooper, Kalamazoo, Michigan.
 Ray English, Passaic, New Jersey.
 Harold V. Corbett, Regina, Sask, CAN.
 A. T. Yamamoto, Tokyo, JAPAN.
 F. Bedsom, Bromley, Kent, ENGLAND.
 C. M. Bolton, Detroit, Michigan.
 C. J. Cole, Halifax, N. S., CANADA.
 D. Young, Calgary, Alta, CANADA.
 William Wehner, Regina, Sask, CANADA.
 Robert Green, Minneapolis, Minn.
 Don W. Reynolds, Newburgh, New York.
 Mrs. Marie Dmitry, Essipoff, Great
 Neck, L. I., New York.
 Nicholas J. Hock, Newark, New Jersey.
 Aram Ishkanian, Choubrah, Cairo,
 EGYPT.

Lieut.-Col. W. C. Powers, Parris Island
 South Carolina.

Henry Tidd, Columbus, Georgia.
 Kenneth E. Faiver, Lansing, Michigan.
 Bernard Horne, Jackson, Michigan.
 M. J. Miskow, Canmore, Alta, CANADA.
 George Derosier, Dayville, Conn.
 A. E. Flock, New Albany, Indiana.
 George C. Akins, Willits, California.
 George C. Splitt, Regina, Sask, CANADA
 J. O. Calvin, Regina, Sask, CANADA.
 A. D. Smith, Amherst, N. S., CANADA.
 Oswald F. Schuette, Pres. Short-Wave
 Institute of America, Washington,
 D. C.

W. Wallin, East Hartford, Conn.
 Sr. Ricardo Widmaier Jr., Port-au-
 Prince, HAITI, W. I.

D. H. Henderson, Wheeling, W. Virginia.
 Theo. Healy, W2BSD, New Rochelle, N. Y.
 Pierre Gouaze, Limoux (Aude) FRANCE.
 Herman S. Rappaport, Brooklyn, N. Y.
 Ralph Gozen, Yonkers, New York.
 Robert D. Wade, Amarillo, Texas.
 Julius Orosz, Cleveland, Ohio.

DIST. MEMBERSHIP CONTEST STANDINGS
 Dist-1 (North West US-Canada) 60
 Dist-6 (East Central States) 48
 Dist-2 (Pacific States) 42
 Dist-7 (North East US-Canada) 28
 Dist-4 (W. Central States) 15
 Dist-5 (Dixie States) 11
 Dist-42 (England) 9
 Dist-97 (Australia) 8

I. D. A. DEGREE CANDIDATES
TA DEGREE (Trans-Atlantic Degree)
 Don W. Reynolds, Newburgh, New York.
 Edw. Goss, Brooklyn, New York.
 Joel Armantrout, Fitzgerald, Ga.
WW DEGREE (World-wide Degree)
 Edw. Goss, Brooklyn, New York.
TP DEGREE (Trans-Pacific Degree)
 Edw. Goss, Brooklyn, New York.
 Don W. Reynolds, Newburgh, New York
SA DEGREE (South America Degree)
 Irwin Beitman, Elyria, Ohio.
 Alan Walker, Princeton, New Jersey
 Edw. Goss, Brooklyn, New York.

BEST VERI'S REPORTED RECENTLY
Bordeaux-Lafayette, France, 25kW.
HAL, Budapest, Hungary. 120kW
 Roy Myers, Los Angeles, California.
LIP, Ipswich, Australia. 50 watts.
LTO, Townsville, Australia. 200 watt
 Warren Reichardt, Reading, Mass.
LWK, Warwick, Australia. 50 watts.
7LA, Launceston, Tasmania. 300 watts.
 Lloyd Westmoreland, Regina, Canada.
CX34, Montevideo, Uruguay. 500 watts
 R. H. Tomlinson, Port Chester, N. Y.
JFAK, Taihoku, Taiwan. 10kW.
 Ray Lewis, Toledo, Ohio.
VOAS, St. John's, Nfld. 100 watts.
CHNC, New Carlisle, Que., 500 watts.
WCAP, Asbury Park, N. J. 500 watts.
WCSC, Charleston, S. C. 500 watts.
 W. K. Walton, Sennen S. O., England.
 Radio Normandie, Fecamp, France. 10kW
 Madona, Latvia. 50kW.
 Akifusa Saito, Kumamoto, Japan.

IDA PRESIDENT OFFERED APPOINTMENT
 The British Long Distance Listen-
 ers' Club, sponsored by 'Wireless
 Magazine', of London, England, and
 whose Secretary is IDA member, Hans
 W. Priwin, has honored the President
 of the I. D. A. by offering him an
 appointment as Honorary Vice-Pres-
 ident of this organization.

J. Maguire and A. MacLean of Calgary
 have started a weekly DX period on
 CFAC, 930Kc, 100w, Sundays, 1:30am EST

THE W. R. R. L. FORGES AHEAD
 That famous scientific body, the
 World-wide Radio Research League,
 of London, England, with which the
 I. D. A. is affiliated, has now insur-
 urated its own official publica-
 tion, "Ralph Stranger's Science Re-
 view". This brilliant publication
 is edited monthly by Bernard Jones
 Publications, Ltd., Chansitor House,
 37/38 Chancery Lane, London W. C. 2,
 England. The annual subscription
 price is 13/6 (approx. \$3.40). This
 magazine is devoted to science in
 all of its branches, and the artic-
 les are extremely practical and in-
 teresting. Much valuable data on
 radio development is also fully
 covered. It's Science Editor, Ralph
 Stranger, honorary life member of
 the I. D. A., has kindly offered the
 IDA one page each month in Science
 Review devoted to IDA activities.
 In reciprocation, we EXPECT every
 IDA member to co-operate with the
 W. R. R. L. in every way possible, and
 for those interested in a highly
 useful science magazine, we recom-
 mend "Ralph Stranger's Science Re-
 view".

BROADCAST BAND WORLD DX CHART

FREQ	CALL	PST	CST	EST	GMT	FREQ	CALL	PST	CST	EST	GMT
570	<u>2YA</u>	1-3	<u>3-5</u>	<u>4-6</u>		1090	<u>CX2R</u>			D-21	
625	TIGP			D-22		1100	WPG				1-5
648	Lyons	La Doua		2-230		1100	7LA	1-6			
650	<u>1YA</u>	1-3	3-5	4-6		1110	2UW	1-6			
660	WEAF				1-6	1110	LS5			D-21	
670	LSH			D-21		1113	<u>Pecamp</u>			2-3	
670	2CO			4-6		1120	4BC	1-6		5-6	
710	WOR				1-5:30	1140	2HD	1-6			
710	<u>7NT</u>		4-5	4-6		1150	<u>LR8</u>			D-21	
720	<u>3YA</u>	1-3	3-5	4-6		1153	<u>YV7RMO</u>			---	
740	2BL			5-6		1170	WCAU				1-6
750	KGU	22-1	24-3	1-4		1170	4TO	1-5			
760	WJZ				1-5	1180	3KZ	1-6			
770	3LO			5-6		1190	2CH	1-6			
790	<u>4YA</u>	1-3	3-5	4-6		1190	LS2		D-20	D-21	1-230
790	LR10			D-20		1210	<u>TGW</u>	(Sun--1-4		2-5	5-6
810	CX14			D-2230		1230	2NC	1-6			
830	LR5			D-21	1-2	1230	WNAC				1-6
830	3GI		3-5	5-6		1240	WKAQ				24-2
850	CX16			D-22		1240	3TR	1-6			
860	WABC				1-6	1270	LS9			D-21	
870	LR6			D-21	1-2	1280	PRG3			---	
900	3MA	1-4				1290	WNEL				---
923	PRF4		D-20	D-21	1-2	1320	KGMB	22-1:30		1-430	
950	LR3		D-20	D-21	1-2	1350	3GL	1-6			
960	5DN	1-6				1410	WAAB				2-5
990	LR4			D-22		1500	3AK	5-6			
990	WBZ				1-6						
1005	HJ3ABH			---							
1017	<u>PRB9</u>		D-20	D-21	1-2						
1030	<u>CMCY</u>				1-3						
1050	PRF6			D-22							
1055	PRH8			---							
1070	LR1	D-19	D-21	D-22	1-3						
1070	PYG2	D-19		---							
1077	Bordeaux			150-3							
1080	WBT				1-5						

NOTE: This table shows at a glance exactly what BCB stations are being received, at present, in your own time zone. The 24-hour clock is used, and numerals indicate the best approximate tuning period for each station. D- stands for dusk, or sunset, your local time. Best bet's are underlined.

WORLD WIDE BROADCAST CALENDAR

TIME	E.S.T.	KC/S	KW	LOCATION	CLUB CALL
Apr. 5	Sun. 4-5 a.m.	1210	.05	Aklavik, N.W.T., Canada.	CDXR CJCU
				Address Dr. J. A. Urquhart, Dept. of Interior, Aklavik, NWT, Canada.	
				<u>Aklavik is only a few miles from the Arctic Ocean.</u>	
Apr. 9	Thur, 3-5 a.m.	1010	.5	Regina, Sask, Canada.	IDA CHWC
				Broadcast sponsored by Regina Jubilee Chapt, various members of which will take part. Reports from every member solicited.	
Apr. 19	Sun. 3-4 a.m.	1430	1	Los Angeles, California	ALL KECA
				World-wide DX broadcast with Frank Andrews at the Mike.	

DX TIPS, NOTES AND QUERIES

Feb. 23, brought the most remarkable TP reception since Spring of 1933 about 30 stations were logged, all coming in with crystal clearness (R. Diedrich-III)... First two and last week in January saw best reception this winter, and best TA signals above 1000kc since 1933 (R. Stansfield, England)... On Feb. 22, from 7 to 10 pm PST, I recorded a most remarkable QSA5/R9 reception of LR1, Radio El Mundo (E. Smith, Washington)... Am hearing a strange Frenchman on 1125kc, between 7 and 10 pm EST. Think the first two letters are HH-. Interval signal of four chime notes, in two parts, starting low and working up in tone (R. Tomlinson, N.Y.)... Long Wave stations have been coming in fine here: Droitwich, 200kc, signs off at 7pm EST; Radio Paris, 182kc, off at 7:30pm, and Reykjavik, Iceland, 208kc, off at 6pm EST (E. Peters, N.S.)... The mystery Spanish station on 1055kc, is definitely PRHR, Rio de Janeiro, Brazil.

WITH OUR MEMBERS

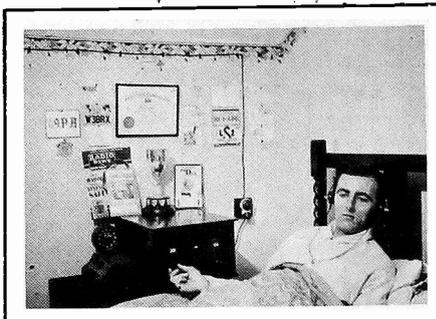
(Correspondence Corner)

J. E. A. Sanderson, Musselburgh, Dunedin, S. 2., N. Z., wishes to exchange SWL QSL cards with other members.

T. E. Lowe, 28 Allenby Rd, Cadishead, M/c England, wishes to correspond with members in Canada, Cuba, S. America, Mexico.

B. A. Meserve, 564 Westbrook St, S. Portland, Maine, wishes to exchange any number of stamps up to 50 with members.

Rudolph Kure, 367 Amazon Ave, Clifton, Cincinnati, Ohio, would like to buy a used Scott radio cabinet.

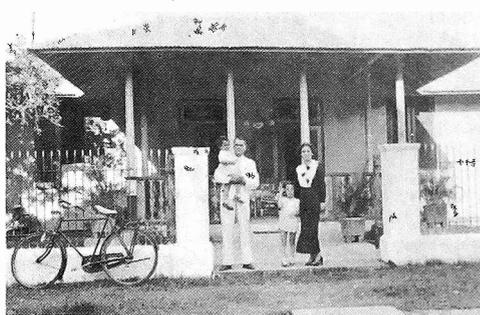


-Dx'ing in Comfort-
R. T. Coale's, Southsea, England

I heard Jerusalem after NR closed down one night (Stansfield-England) ... Reception here is excellent on both BCB and SW. KFI is R9 always. I use a McMurdo Silver WW9 and a new 20-tube Lincoln (de Roo-Hawaii) ... Have a new Zenith. It has a fine tone, ample selectivity, low noise level, and perfect AVC. Can tune in Chicago stations all day long (Peters-N.S.) ... ILRO, Rome, gave us a good-will broadcast on Feb. 21, at 10:30 pm GMT. F. Crowder said it was quite good (Gaunt-England) ... The more powerful S.A. stations are beginning to constitute a real menace to domestic US reception, with most of the large U.S. stations either heterodyned, or blotted out about one week out of three the year around (Bell-Penna) ... Amalgamated Wireless of Australia has notified O. Amlie, of Philadelphia, that no other dx'er has ever turned in such a fine record of reception on VK2ME. VK3ME ... Prince Vinh San, Isle de la Reunion, would like to contact American amateurs. He has a Xmtr on 7 and 14mc, with 10 watts output. He is on the air 16 to 22 GMT daily (Jordan-Penna) ... I use a Scott 23-tube, with a three-stage pre-selector. I prefer a good inverted L aerial. Mine is 65 feet in the air. Ground is 24 copper rods $\frac{3}{8}$ " in diameter, a radiator, and an old range boiler buried 10 feet deep (Horne-Mich.) ... I am in the Palestine Police Force. All our cars are fully radio equipped. I am hoping to start the first ham shack in Palestine (Frost-Palestine) ... We expect to have a new Collins 30FXC Xmtr by March 11, and will be on ten meters. We will have about 100 watts more output. W2IXY will always be the "Voice of the IDA" (D. Hall, 1642 York Ave, N.Y.C.) ... Latest veri's here are Nice PTT, Madona, Bratislava, P. P., Fecamp, Bangkok, Breslau KPO and KNX. Radio Delhi, 882kc, heard at 1-2am J.S.T. No American or European stations heard now (Saito-Japan) ... I now have at least 17 SW veri's from each of the major continents (H. J. Dent-India) ... Best U.S. short-wave stations here are W2XAD, W2XAF, W8XK, W2XL and W3XAL (Ishkanian-Egypt) ... Latest veri's are 11MI, 11TO, 1R1, 1R4, YV2RC and HI2. Aussies are getting better (Windisch-Ohio) ... Latest veri's here are T1PG, W1XAL, TG2Z, OXY, FT4AJ, EalBS, G5PT, YV6RV, VQ7LO, G6GO, COCD and OER2 (Trapani, Bonici, Preziosi, Mercieca-MALTA CHAPTER).



-A WELL EQUIPPED DX CORNER-
Art MacLean, Calgary, Alta, Canada



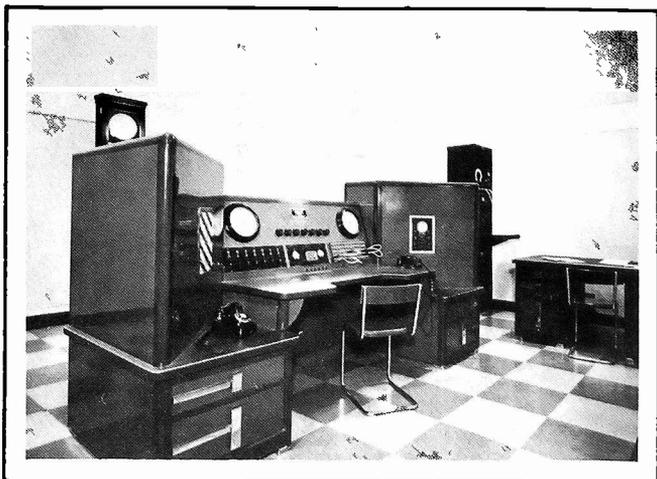
-K. A. ABDERHALDEN AND FAMILY-
Amboina, Moluccas, D. E. I.

RADIO EL MUNDO

To the right we have the Master Control Desk, of "RADIO EL MUNDO", the finest and most powerful station in the Southern Hemisphere...

MORE REPRESENTATIVES
HONG KONG-Miguel A. Rivera, P.O. Box #490.
HAWAII-Leo A. J. de Roo, 177 S. Queen St., Honolulu.

HONORARY LIFE MEMBER
Ralph Stranger, Sec. of W.R.R.L., London.



BROADCAST STATIONS IN PERU (Miguel A. Rivera)

OAX4A 810kC 1500w Radio Nacional, Lima.
OAX4B 1200kC 250w Radio Grellaud, Lima.
OAX4C 1300kC 1000w Radio Dusa, Lima
OAX4E 960kC 200w Radio Golcochea, Lima.
OAX4F 1080kC 50w Radio Castellano, Lima.
OAX4H 1050kC ... Radio Davila, Lima.
OAX4I 1100kC ... Radio Internacional, Lima.
OAX4L 1250kC 100w Radio Miraflores, Lima.
OAX4M 1450kC ... Radio Sucre, Lima.
OAX4N 1020kC 100w Radio Gilco, Lima.
OAX4P ... Radiodifusora - Andina, Huancayo, Junin.

EXPANSION OF B. B. C. (Ronald A. Stansfield)

North Irish Regional, 977kC, at Lisburn takes the air on March 20. North Scottish Regional, probably 1013kC, is under construction at Burghill, Perthshire, but far from finished. Both are described as more powerful than the present regionals, which is vague, but 70kW is the minimum. Sites have been selected for the North East Regional at Bewclay, near Newcastle, and the small relay at Beaumaris, Isle of Anglesey.

Meanwhile the power of the other Regionals is being increased. North and midland Regnls. already use 70 kW and the power of the other Regionals, London, Scottish and West are gradually being increased so that an ultimate power of 100 kW may be realised for each.

PACIFIC LISTENING POST (George C. Sholin)

Veri' received from LRL, Radio El Mundo. WKAQ and WNEL heard fairly good on their frequency checks. Best Zedders in order are: 3YA, 720kC; 4YA, 790kC; 1YA, 650kC; 2YA, 570kC; heard best at 3 a.m. PST.

A few of the Japanese stations heard here are: JOAK, 590; JOTK, 625; JOJG, 635; JOCC, 655; JFAK, 670; JOJK, 700; JOJK, 710; JOSK, 735; JOBK1, 750; JOHK, 770; JOPK, 780; JOGK, 790; JOCK1, 810; JOIK, 830; JOFK, 850; JOAK, 870; JODK1, 900; JOQK, 920; JONK, 940; JOXK, 980; JOFG, 990; JOHG, 1050; JOCK2, 1175. I also hear one on 680kC, but have not identified it as JOVK or JOLK. The best time for Pacific coast listeners to log these stations is from 4 a.m. PST until sign-off between 4:30 and 5 a.m., at which time the call is given in English. Be sure and note the exact time of the sign-off.

Any members wishing an Esperanto grammar, send 5¢ in U.S. stamps, or if in a foreign country, twice the rate of one first-class letter in stamps, to G.C. Sholin, 55 Lapidge St San Francisco, California, U.S.A.

THANKS TO "EGYPTIAN RADIO"

That famous publication, "Egyptian Radio, official organ of Egyptian State Broadcasting, Cairo, has kindly reserved a space in its columns for weekly notes concerning the I.D.A., is vigorously backing the formation of an Egyptian Chapter of the I.D.A., and has thrown its offices open for DX meetings. Such a splendid interest in the welfare of its listener-readers is indicative of the rapid strides that radio is making in the land of the Pharaohs.

Short-Wave News

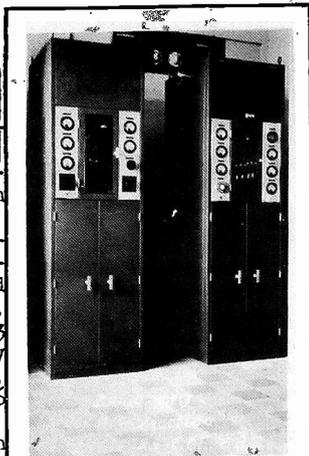
SPECIAL IDA PROGRAM

Apr. 12, Sun. 11:30pm-12 mid. 6.12mc XEFT,
Address reports to Sr. J.R. Lopez, XEFT, Av. In-
dependencia 28, Veracruz, Mexico.

DSW degrees have been conferred upon G.P. Burdett, of Monze, N. Rhodesia, Africa, and L. Henderson of Fort Worth, Texas.

The more important new international S.W. prefixes are: OZ Denmark, OX Greenland; CN8 Morocco; VP B. Honduras, VP3 B. Guiana, VP4 Tobago and Trinidad, VP5 Jamaica, VP6 Barbados, VP7 Bahamas, VP9 Bermuda; VQ1 Zanzibar, VQ2 N. Rhodesia, VQ3 Tanganyika, VQ4 Kenya, VQ5 Uganda; VS1 Malay Straights, VS2 F.M.S.; VS4 Sarawak and N. Borneo, VS6 Hong Kong, VS7 Ceylon; ZC1 Transjordanian, ZC6 Palestine; VR2 Fijis; ZB1 Malta, ZB2 Gibraltar.

In making up your short wave reports, which should be in not later than the 17th of the month, write on one side of the page only, double space lines, divide items into continents and always state time used. Important items are new stations, frequency or schedule changes, commercial schedule tips, addresses, identifying signals and unusual receptions. Number of stars denotes importance of item. Four stars is the highest ranking. See how many four star items you can turn in- Ed.



RADIO HJU
LA VOZ DEL PACIFICO
BUENAVENTURA, COLOMBIA
(Courtesy Edw. Nogales)

(Megacycles used) NORTH AMERICA-CENTRAL AMERICA (E.S.T.)

NOTE: In giving ham information, we give calls, frequencies, and times heard, as reported. These may be subject to slight discrepancies- Ed.

HAMS:	TI2FG 14.132 10:40am	K6BAZ 14.245 11:00pm
VP9R 14.020 7am	NY2AE 14.150 7pm-1am	VP6MO 14.245 11:15pm
HI5X 14.090	VP7NC 14.165 7am	K6LJB 14.245 11pm
TI3AV 14.140	VP6FO 14.190 11pm	YN1OP 14.273 Early am
VP4TB 14.125 7:30pm	K6CMC 14.190 11pm-1am	VP5AC 14.290 7-8am
TI2AE 14.132 8am	K7VH 14.242 10-11pm	NX2Z 14.393 6-9pm
		K6MVV 28.192 6-9pm

ALASKA WXE, Anchorage-5.995, calls WVD-8.9, almost nightly at 11:30-12:30am (* Schmeichel)

BERMUDA ZFD, Hamilton-10.335, works WNB, N.Y.-10.675mc, every afternoon in scrambled speech, but intelligible sign-off at 8:10-8:15pm.

CANADA CFU, Rossland BC-5.705, has discontinued news broadcast but work CZCX, Lake Athabasca, on same frequency at about 8:30pm (* Savage) .. CJRO, Winnipeg, is on 6.15mc, not 6.144, as listed in GC (Eikenberry) .. CHNX (VE9HX), Halifax, NS, is relaying CHNS on 6.135mc at present (Sid-dle) .. VE9CA, Calgary-6.03, is using only 30 watts at present (Smith).

C.R. TI4NRH, Heredia, on the air again, approx. 9.7mc, daily 5:30 to 6:30pm and Sundays to 7pm. Power is 150 watts (* Swenson) * TI5HH, The Voice of San Ramon, San Ramon-5.92, testing after midnight (Ansell).

CUBA New Govt. regulations limit SW stations to twelve in number, and minimum power must be 1000 watts (RMA) * New, CO9DT, Santiago, P.O. Box 954, 12.27mc, relaying CMKD and asking for reports 5-6pm (Horne) (We still believe this to be a harmonic of COKG -Ed)

D.R. HIT, La Voz de la RCA Victor, Apartado 1105, Trujillo City, 6.63mc, 200 watts, operates daily 12:10-1:40, and 6:10 to 8:40pm. DX pro gram Saturday 10:40pm. Relays HIT on 1050kc (50w) (Shanks, Cole, Messer, Patton, Miller) .. New sked. of HIIA, La Voz del Yaque, Trujillo City-6.185 mc, 11:40am-1:40pm, 7:40-9:40pm daily. Power is 50 watts (Sholin-Patton) * HI3C, La Voz del Rio Dulce, La Romana-6.9, on from 6 to 7:30pm daily (Patton, Schmeichel, Deibe, Sweetland) .. HI4V, La Voz de Marina, Trujillo City, is being heard on 6.48mc now (Smith) * HI5N, La Voz del Almacén, 6.15mc, is at Santiago de los Caballeros. Heard 6-7pm (Schmeichel) ** New, HI7P, Trujillo City, 6.8mc, heard from 7 to 8:15pm .. HI9B, Apartado 95, Santiago de los Caballeros-6.045, heard best 7-9pm (CSWRG)

GREENLAND Reception reports to NX2Z (OX2Z), Hophstetter-14.393, can be sent to "Experimenting Danish Radioamateurs, Box 79, Copenhagen, Denmark.

EL SAL- New, YSJ, San Salvador-8.195, heard testing preparatory to being put into regular service on Feb.29. (Sr.Rivas ***)
VADOR
GUATEMALA TG1X, Guatemala City-9.45, announcing as TGW, and relaying programs of TGW has been heard early Sunday mornings. and through the week irregularly in the evening hours (Botkin,Weatherley).

HONDURAS HRD, La Voz de Atlantida,La Ceiba,Honduras-6.235, is a new station on nightly from 8 to 11pm, and 1 to 11pm on Sunday. HRD which has a power of 200 watts is heard with excellent strength.Dr.Tulio Casteneda is the owner (** Laul,Schmeichel,Miller,Weatherley,Smith,Rivas, Roberts,Ansell,CSWRG).

MEXICO The commercial station on 9.4mc that phones Merida is XDR. Mexico D.F. Sometimes they relay broadcasts announcing as "Radio Nacional de Mexico" (** Siddle).. New station XEDQ, Guedalajara, 9.52mc,reported as relaying XED (Roberts).. Sked of XEFT, La Voz de Veracruz-6.12mc, is 11am-4pm daily, Mon to Fri 7:30pm to mid, Sat. 6:30-mid, Sun. 9pm to midnight. Power is only 20 watts (XEFT) ** XLC, aboard presidential train, now located at Nuevo Laredo, works XBJQ and W2BSE around 5pm on a frequency of 8.9mc (Green)

PANAMA New, HP5K, La Voz de la Victor, Apartado 33, Colon-6.005, relays HP5Q on 1440Kc, daily 8:30-10am, 1-2 and 7-10pm (Zimmerman, E.S. **)

NICARAGUA New, YNLAT, La Voz del Mombacho, Leonidas A. Tenorio, Apartado 17, Granada, on 7.5mc, is broadcasting from 9 to 10pm daily. Also works as amateur, using call YN2LT on 7.1. Power is 15 watts (Stokes-Ansell **) * YNLF, Managua, is now on 5.77, using call "La Voz del Nicaragua". Heard at 9:30pm (Schmeichel) * YNVA, Ruben Dario, Managua, is now on 8.59, from 7:45 to 10:15pm daily, except Sunday (X.DX, Nicolessy).

U.S.A. KKL, Bolinas, 15.475, phones Hawaii, 9-9:30pm.. KWU, Dixon, 15.355, calls KTO, 16.24, and KAX-19.98 at 9:20pm, and JVD, Nazaki-15.86, at 9:30pm (Hock) ** RCA Xmt WOEH, now aboard a plane in Alaska for special relays to NBC through KEE-7.715, KEI-9.49 and KWE-15.43. Heard over Juneau on 12.86mc, Mar.10, 2pm (Calgary Chapt-**) heard on Mar.7, 9:45pm, and Mar.8, 3pm (Cox **) * WOIA, aboard the Adventurer, will transmit on 5.53 and 12.285mc, while on around the world cruise (Roberts) * WNC, Hialeah, Florida-15.055, contacts CA and SA phones at 9:45am, and 5:45pm (Roberts).. NBC granted television frequency of 177mc.. Lecture course "Modern Radio", continues on WLXAL-6.04, Mondays 7-8pm * WLXAV, Quincy, Mass, 100 watts, granted license to operate on 61.5mc. W2XIS, New York, N.Y. granted license to operate on 31.6, 35.6, 38.6, and 41mc with 100 watts * New schedule for W2XAD, Schenectady-15.33.10am-2pm, daily. New schedule for W2XAF, Schenectady-9.53, 4pm to midnight daily (Darlington) .. W9XAA, Chicago, Ill, is now broadcasting on 11.83mc, daily to 7:30pm.

SOUTH AMERICA

HK1Z 14.00 7pm	HK1Z 14.10 7pm	PY2BA 14.13 8-9:30pm
PY2BD 14.015	HK1ABM 14.116 5-6pm	OA4AA 14.25 Sunday am
		OA4R 14.45 5pm

ARGENTINA LRU, Buenos Aires-15.29, has been testing irregularly 6-7pm, and LRX, Buenos Aires-9.58, has been testing irregularly 8-9:30pm. Both stations should assume regular schedules soon (Balbi, Schmeichel, English X.DX, Deibe, Sholin) * LSM, Buenos Aires-19.135, calls DHO, Berlin-20.02, daily at 10am (Schmeichel).

BRAZIL PRF5, Rio de Janeiro-9.501, broadcasts daily except Sunday 4:45 to 5:45pm. Last 15 minutes is devoted to foreign languages: on Monday, English; Tuesdays, Esperanto; Wednesdays, German; Thursday, Italian; Friday, Spanish; Saturday, French. For verification send reports to the Department of Propaganda, Avenida Presidente Wilson 305, Rio de Janeiro.

BR. GUIANA VP3MR, The Voice of Guiana, The British Guiana Broadcasting Co, Luckies Chambers, Georgetown-7.08, 150 watts, broadcast daily 4:45 to 8:45pm, Sundays 7:45am to 10:15am. Have attractive QSL card (VP3MR *)

CHILE CEC, Compania Internacional de Radio, Casilla 16-D, Santiago, 10.67mc, 2kW, has government news in Spanish daily, except Sat, Sun, 7 to 7:15pm, and music on Thurs/Sun 8:30 to 9 pm.. CB960, Difusora Pilot, Casilla 1342, Santiago-9.6, 400 watts, on daily from 11am-1pm, 9 to 11pm.. CB615, Radio Service, Desmaras y Co.ltda., Casilla 761, Santiago-6.15, on daily from 11am-1pm, and 7-10pm. Power 500 watts (** Rivas; X.DX, Schmeichel, Botkin, Hernandez-Chile)

COLOMBIA HJU, La Voz del Pacifico, National R.R., Buenaventura, 1kW, is now on 9.51mc, Mon, Wed, Fri. Noon-2pm, and 8-11pm. (** Cattell-MS Chimu Denzler, Shanks, Walmsley, Green, Patton, Westmoreland, Balbi, Smith, Siddle,

Bigbee, Ansell, Sholin, Schmeichel) * HJB, Bogota, heard on 7.49mc, from 9 to 9:45pm Saturday (X. DX) * HJLABE, La Voz de los Laboratorios Fuentes, Cartagena, will soon have its new kW Collins Xmrtr on 9.5mc. The old Xmrtr will be used on 1250kC (CSWRC). HJLABD, Cartagena-7.281, is now off the air (CSWRC) ** New, HJLABP, Radio Cartagena, 9.6, is on the air and broadcasting daily from 8-11:30pm. Send reports to Apartado 37 (Ansell, Twomey, Balbi, Schmeichel, Hall, Weatherley, Hall, X. DX) * HJ3ABD, Colombia Broadcasting, Bogota, has moved to 6.05mc, and is on from 7-11pm daily (Laul, Schmeichel, Siddle, Calgary Chapt).. HJ3ABF, Bogota, heard on 6.15mc to 12:15am (Horne) ** New, HJ3ABX, La Voz de Colombia, Bogota, 6.12mc, 7-10:30pm. Nine chimes as interval signal (Shanks, Schmeichel, Weatherley, Deibe) ** HJLABP, Radio Philco, Medellin-6.135, relays HJLABQ from 8 to 11 pm daily (Roberts, CSWRC).

ECUADOR HCJB, Voice of the Andes, Quito, has been heard testing on a new frequency of 9.64mc at 9:15pm (* Hock) * El Prado, Riobamba, is now broadcasting on 7.125mc, Thur, 9:20 to 11:40pm (Schmeichel) ** New, HCLTQ, 6.74mc, inaugurated Feb. 16, works Sundays 5:14 to 7:14pm (CSWRC) * New schedule of HCZET, Apartado 824, Guayaquil-4.6, is Wed. and Sat. from 8:19 to 10:19pm (CSWRC).

PERU New: OAX4J, Radio Internacional, Lima-6mc, is on daily from 7 to 11pm (** Rivera-Hong Kong) ** New: Radio Chiclayo, owned by Eduard Piarmettei, Teatro Dos de Mayo, Chiclayo, broadcasts on 8.3mc (Rivers) * A powerful long and short wave station was supposed to have been opened in Cusco in January. No details available (Rivera).

VENEZUELA The name of YV2RC-5.8, has been changed from Broadcasting Caracas, to Radio Caracas.. YV7RMO heard just to the low frequency side of YV2RC. They seem to be on Saturdays to about 7:15pm (Walmsley)

EUROPE

<u>EA2BT</u> 14.014	6-8pm	<u>F8LZ</u> 14.10	7-8pm	<u>LZ1A</u> 14.27	11:30pm
<u>CT1CB</u> 14.02	7:40pm	<u>EA3ER</u> 14.112	7-8pm	<u>G2DL</u> 14.3	
<u>F8WK</u> 14.02	5am	<u>LA1G</u> 14.115	3:30pm	<u>G6FS</u> 14.3	
<u>EA3AA</u> 14.03	7-8pm	<u>EI2J</u> 14.11	Sa. 7-9am	<u>G5CV</u> 14.31	5-7pm
<u>PAORP</u> 14.065	Sa. 3-4pm	<u>G5PT</u> 14.124	Su. 9am	<u>PAOFB</u> 14.325	12:15am
<u>G5JO</u> 14.067	6-7pm	<u>F8LL</u> 14.19	11am	<u>G6CW</u> 14.31	5-7pm
<u>ON4PA</u> 14.07	1pm	<u>F3IM</u> 14.23	Noon	<u>F8NH</u> 14.33	7:20am
<u>G6LK</u> 14.08	8-11pm	<u>LA2Z</u> 14.26	Su. 7-11am	<u>G5SP</u> 14.33	6:50pm
<u>G6GO</u> 14.09	Su. 5-7pm	<u>CT1BY</u> 14.26	6-8pm	<u>G6XS</u> 14.392	
<u>EI6F</u> 14.10	5:30-6pm	<u>CT1BG</u> 14.27	7-8pm	<u>F3DN</u> 14.4	

AZORES QT2AJ, Ponta Delgada-4mc, being heard with a good signal on Saturdays from about 6:30-7:15pm. Signs with National Anthem (Miller)

AUSTRIA OER2, Vienna-6.072, best heard Saturdays 5-6pm (*Schmeichel, J. Miller) heard for about 20 minutes after they come on at 9am EST (EP)

BULGARIA New, LZA, Radio Garata, Sofia-14.97, testing with recordings Sundays 11am-noon. Various languages used (** Carr-Gregg, Trapani).

CZECHO- The new station for Prague will operate on 21.45, 15.32, 15.23, 11.875, 11.76, 11.745, 9.5, 6.115 and 6.055mc (J.S)

SLOVAKIA British Summer Time (BST) starts April 19.. GSK, 26.1mc, is a new Daventry channel that may be used this Summer (Frost).

FRANCE Site has just been chosen at Montlucon, department of Allier, 225 miles south of Paris, for the long anticipated new Radio Coloniale (** Guilbert) * Newly assigned official calls for Pontoise are: TPA2 15.24mc, TPA3 11.88mc and TPA4 11.71mc (X. DX, Carr-Gregg, Stokes) * Present Pontoise broadcasting schedules are TPA3 2-5am, TPA2 5:55-11am, TPA3 11:15am-3pm, TPA3 3-6:05pm, TPA4 6:15-10:15pm, TPA4 10:45pm-1am. (Guilbert) * TYB, Paris-12.25, also carries Pontoise English news sked. from 7-7:15am on Tues/Thur/Sat (X. DX) * TYA2, Pontoise-9.037, phones FVA Alger, Algeria-8.96, 3:30-5pm (Schmeichel) * WHO is the French mystery station on 11.85 heard commencing operations at 2am regularly. (Ansell) * A few Ste. Assise, France, commercial schedules are: FTA, 14.612, noon to 2:30pm, with F. Indo-China and S. America; FTK, 15.88, 3-7am, 8:30am-noon, with F. Indo-China; FTH, 10.936, 3-7am, 8:30am-noon, with Egypt; FTM, 19.35-mc, 8:30am-2:30pm, with South America (J. Miller)

GERMANY After April 1st, Zeesen transmissions to N. A. will be as follows: DJD-11.77 and DJC-6.02, 4:50-10:45pm, and also DJM-6.079, 7:30 to 9:30pm.. Other schedule changes are: For Africa:- DJE, 11.855, noon to 2pm, and DJO, 11.795, 3-4:55pm; For South Asia:- DJL, 15.11, 6:30-8am; For East Asia:- DJE, 17.76, 8:05-11am (RRG) * DGH, Nauen-10.44, heard, calling Cairo at 3:30am (Sholin) * DAF, Norden-17.27, heard at 9:47am.

HOLLAND PCJ, Eindhoven-9.59, radiating Sunday programs to N.A., C.A. at 7-8pm; to Africa at 1-2pm; to Asia 7:30-8:30am; to D.E.I. 8:45 to 9:45am (Carr-Gregg, D. DX, CSWRC *) * PCJ will have new 60kw Xmtr shortly and PHI will have improved aerial system (WR) * PHI, Huizen, will change to summer frequency of 17.77mc, April 26, and operate 7:30-10:30am (X. DX) ** PILJ, Dordrecht, 7.08mc, are on Sundays 11:10am-12:10pm (Carr-Gregg)

ICELAND Sunday 1:40-2pm transmissions from TFJ, Reykjavik-12.235, temporarily suspended on account of power shortage.

ITALY An unidentified Rome transmitter on 11.72mc, has been heard calling Asmara, and testing (* WR) * It is reported a new 50kw short-wave transmitter will be erected at Bologna (RMA).. 2R03-9.635, broadcast to LR4, Buenos Aires, now takes place Mon/Fri 5:15-5:50pm (X. DX).. IAC, Coltano-17.75, heard at 8:30 and 10am (Schmeichel, J. Miller).. IAC, Coltano-12.795, phones Asmara daily at 11am (Mercieca).. IAC, Coltano-2.515, heard calling ICK AT 4am (Schmeichel)

NORWAY LKJ1, Jely-9.53, being heard Sundays at 3am (* Carr-Gregg) * The new Jely transmitter will not be completed until late this year

POLAND SPW, Warsaw-13.636, apparently has not inaugurated its announced thrice weekly schedule yet (IDA)

PORTUGAL CT1AA, Lisbon-9.66, are now using summer schedule of Tues, Thur, Saturday 3-6pm (* X. DX)

SPAIN The experimental station listed last month as testing on 6.62mc, is owned by Philips Iberica, S.A.E. Paseo De Las Delicias 71, Madrid, Spain. The tests are now concluded (* English)

SWITZER- HB9B, Berne-14.4, is now radiating daily from 5 to 6 am.

LAND (** Mercieca) * HLB-9.595 and HBP-7.797, are radiating special programs to N.A. first Monday of each month 6:30-7:30pm (* X. DX)

VATICAN- HVJ-15.12, transmits to Africa, Saturdays 10-10:05am (X. DX)

CITY HVJ also heard with tests for F. I. at 5-7am (Carr-Gregg)

U.S.S.R. The power of RNE, Moscow-12, will shortly be doubled (RMA)

RAU, Tashkent, 15:104mc, heard phoning RKK 12.27, at midnight (Moore) *

RIO, Baku-10.17, phones other Soviet stations nightly midnight-2am (X. DX

Miller) * RIM, Tashkent-15.25, phones almost daily at 10am (Smith) * RIR

Tiflis-10.08, phones daily from 10-11am (Moore) * RKI, Moscow, is now using

frequency of 15.083mc for special Sunday transmissions to U. S. A.

(Cole) * RKI, Moscow-15.04, tests with RNE-12, or RKH-14.99, quite frequently

between 7 and 10am (X. DX) also heard around midnight frequently

(Smith) * RNE, Moscow-12, now on Sundays 6-8:40 and 10-11am, daily from

3-6pm (X. DX-Moore) News heard from RNE at 11:20pm (Michaelson)

AUSTRALASIA-ASIA

VK2AK 13.99	2-4am	VK2AP 14.09	2am	VK2BQ 14.265	330-740am
VK2GU 14.00	345-7am	PK1MX 14.09	730-9am	VK2CR 14.27	3am
VK2AZ 14.00	445-7am	VK7JB 14.10	Sun am	VK2YV 14.275	230-7am
VK2RB 14.00	5:15am	VK3AC 14.10	330-7am	VK5AI 14.35	7-7:45
VK2UC 14.01	7am	KALME 14.10	10:15am	VK2MF 14.36	7:20am
VK2LZ 14.025	3-7am	VS6AR 14.14	930-1030am		
VK3KX 14.07	4:45am	VK3OC 14.20	3:30am	VK2AF 14.40	640-7:45am
VK2NY 14.08	330-4am	VK2QN 14.25	440-7am	VU2BG 14.40	7-9am

AUSTRALIA VLK-Sydney-10.52, phones GEP, Rugby-10.77, irregularly at 2am 4am and 4:20am (* J. Miller)

CELEBES PNI, Macassar, 8.775, heard Sunday at 4:05am (* J. Miller)

CEYLON VPB, Colombo-6.160, heard late on Sunday night (* Jones)

CHINA CQN, Macao-9.54, reported heard weakly around 7:30am on Mon

day and Friday ** VS6AR, Amateur in Hong Kong, 500 watts, is heard from

about 7:30-9am, near 14.01, or 14.14mc (Schmeichel, Calgary Chapt.) ***

New station, XGOX, Nanking-9.5mc, power 100 watts, tests at 8am. Station

was completed first week in February (Rivera-Hong Kong) ** XGO, Shanghai

-7.58, is broadcasting musical programs daily from 7:30am on (Tune In)

*** Radio telephone service between Shanghai and Tokyo was inaugurated

on Feb. 15. The Shanghai station is XOJ-15.785mc. It contacts JVD, Naz-

aki-15.86, and occasionally JVF-15.628 (Rivera-Hong Kong) * ZBW, Hong-

Kong-2.75, is best heard in Eastern U.S.A. at 6:30-8:30am (Schmeichel)

F.M.S. Latest reports indicate that the correct frequency of ZHJ,

Penang, is 6.08, the schedule 6:40 to 8:40am, except Sunday.

FIJI'S The correct schedule of VPD, Suva-13.075, is 12:37 to 1:30am

daily except Sunday. Volume is good, but quality poor (*Horne, Sholin &)

F.INDO- F31CD, reported testing on 9.52mc between 6 and 6:30pm (JS)

CHINA FZR3, Saigon-16.2mc, calls FTK-15.88, daily at 9am (Schmei-

chel) FZR3 also heard calling FTK at 10-10:15am (* Roberts) * FZS3, Saigon-18.31mc, calls Paris at 4:30 am (J. Miller)

INDIA VWY, Kirkee-17.48, heard contacting GAU, Rugby-18.62, at 8am.
JAPAN JVF, Nazaki-7.51, was still in use with JVN-10.66, for the East American overseas broadcast Mon/Thur 4-5pm, throughout March, but JVM-10.74 will probably radiate with JVN for this period during April. .. The Japanese mystery station on 9.81mc, is JYS, of Kemikawa-Cho, Chiba Ken, testing with a new transmitter, which it is reported will radiate 500kW when completed. JYS has been heard as early as 11:40pm, and as late as 2:45 am playing Japanese phonograph records, and announcing in Japanese (** Moore, Savage, Michaelson, Cox, Calgary Chapt, Sholin, Smith, -McMonamy) ** JVD, Nazaki-15.86, is now being used in place of JVE, or JVF to work Dixon, Calif. stations. JVD also works some weak oriental station on 15.77mc, around 9pm (Smith- the weak oriental is undoubtedly XOJ-Ed) .. JVL, Nazaki-11.66, seems to have its carrier on almost constantly (Smith) * JVO, Nazaki-10.375, heard calling TDE-10.065, at 5:15am (E.S.)

JAVA PMA, Bandoeng-19.35, seems to be only Java station on Tues, broadcast at 10am (* Purkey) PMA heard Sunday at 7:30am (J. Miller) * PLE, Bandoeng-18.83, heard phoning KWU, 15.355 at 7:50pm (J. Miller) ** New Java stations relaying YDE, Sourabaya-9.64, irregularly from 5:30 to 10am are: PLP, Bandoeng-11mc; PLQ, Bandoeng-10.67 and Sourabaya No. 2 (may be PLO) on 11.49mc (Calgary Chapt, Schmeichel, CSWRC) * PLP, Bandoeng-11mc, plays American recordings frequently between 9 and 10am, and then signs off with "A Perfect Day" (Ansell) * PLV, Bandoeng-9.415, contacts Dixon daily at shortly before 10am (Smith) -chel)

MANCHUKUO TDE, Kanjoshi-10.065, calls JVO, Nazaki, 10.375, at 5am (Schmei
N.Z. ZLT, Wellington-11mc, phones VLJ, Sydney-9.76mc, mid.-12:30am

P.I. KBB, Manila-8.71mc, heard calling GMBJ at 4:55am (* Sholin)
STAM New station, HSRPJ (Saladeng) Bangkok-10.955mc, also on 10.17 at times, transmits Mondays from 8 to 10 am with 10kW power. Reports are welcome and should be sent to the Manager, Broadcasting Service, Post & Telegraph Department, Bangkok, Siam (** Rivera-Hong Kong)

TAIWAN JIB, Tyureki-10.535, phones Nazaki almost continuously until 9am. Heard best at 2 to 3 am (* Sholin, Balbi)

U.S.S.R. RTZ, Novasibirsk-7.275, is being heard phoning with RIM-12.875, at 7am (** Schmeichel) * Fred Filgrim, Oakland, Calif. claims to have received a veri' from RV15 via the All Union Radio Committee, Foreign Bureau, Petrovka 12, Moscow, U.S.S.R. (Mrs. Inna Marr recently stated that her bureau did not verify for RV15 -Ed)

AFRICA

<u>SUISG</u> 7.15 2pm	<u>EAAAF</u> 14.02	7:30pm	<u>SULRK</u> 14.20
<u>FRAW</u> 7.25 7:40am		11:00pm	14.33
<u>FTHAJ</u> 7.35 3:35pm	<u>ZELJR</u> 14.044		<u>ZU5X</u> 14.30
<u>SUI6F</u> 7.40 3:25pm	<u>EABAA</u> 14.12	7:30pm	

ALGERIA FVA, Alger-8.963, being heard irregularly phoning with TYAE, Paris-9.037mc, between 3:30 and 5pm (** Schmeichel)

BEL. CONGO QPL, Leopoldville, 20.04mc, heard calling ORG-10.2, at 9:47am.

CANARIAS Amateur EABAF, 14.02mc, is owned by Juan Vall, P.O. Box 289, Santa Cruz de Tenerife, Canary Islands (Deibe)

ETHIOPIA Thore Bostron, Engineer in Charge, Radio Station, Akaki, Addis Abeba, Ethiopia, reports that the majority of reports for supposed ETA, on 18.27mc, are actually reports of the Italian stations in Eritree working on the same channel. The Akaki stations are used mainly for telegraphic communication with London (** Moore, Sholin, Morrison) * The Aircraft transmitter ETIKD reported in the last Globe Circler was destroyed at the Addis Abeba airport, according to Mr. Moss, of England.

KENYA Short-wave telephone service from London to Kenya was officially inaugurated on March 6. The Kenya end of this service will be VQGH, Nairobi-19.63mc. This station may be heard near 7:25am (W.R.)

MADAGASCAR FIU, Tananarive-5.692, heard several times between 6 and 7 am P.S.T. They do not use call letters, and sign off with the playing of the "Marseilles" at 7am (Purkey)

MOZAMBIQUE CR7AA, Laurencio Marques-6.137, is on daily 12:45-3pm, and Sunday 8-10:30am. Transmitter is a Collins #300-BA, 300 watts output. Address reports to Gremio dos Radio Filos da Colonia de Moczmبيقue, P.O. Box 594, Laurencio Marques, Portuguese, East Africa (* L.M. Young).

SO. AFRICA ZTJ, Johannesburg-6.097, heard 8:45-9:30pm PST (Balbi)

SHORT-WAVE BROADCASTING STATIONS

DIAL	METERS	MEGS	CALL	STATION	TIME	E.S.T.
8.42	35.60	W6XKG	Los Angeles, Calif.	Relays KGFJ continuously		
9.48	31.60	W2XDV	New York City, N.Y.	Relays WABC 5-10pm. Ultra		
9.48	31.60	W9XPD	St. Louis, Missouri.	Relays KSD 8am-12 mid.		
11.49	26.10	GSK	Daventry, England.	For Summer day time use.		
13.45	22.90	GBU	Rugby, England.	Works New York.		
13.92	21.54	W8XK	Pittsburg, Penna.	7-9am.		
13.93	21.53	GSJ	Daventry, England.	6-8:45am.		13
13.94	21.52	W2XE	Wayne, New Jersey.	7:30-11am.		
14.00	21.41	WKK	Lawrenceville, N.J.	Works PSA noon.		
14.23	21.07	PSA	Rio de Janeiro, Braz.	Works WKK at noon, (6:30am		
14.97	20.04	OPL	Leopoldville, Congo.	Works ORG 9:45am, 4:30-		
14.98	20.02	DHO	Nauen, Germany.	Works S.A. mornings.		
15.02	19.98	KAX	Manila, Phillipines.	Works KWU at 9:20pm & irr		
15.28	19.63	VQG4	Nairobi, Kenya, Africa	Works Rugby at 7:25am.		
15.46	19.355	FTM	Ste. Assise, France.	Works S.A. 8:30am-2:30pm.		
15.50	19.345	PWA	Bandoeng, Java, D.E.I.	7-8am and irreg.		
15.57	19.27	PPU	Rio de Janeiro, Braz.	Works FTM mornings.		
15.62	19.2	ORG	Ruyssedele, Belgium.	OPL 9:45am, 4:30-6:30am.		
15.68	19.12	LSM	Buenos Aires, Argen.	Works DHO at 10am.		
15.87	18.89	ZSS	Capetown, S. Africa.	Works Rugby 7-9am irreg.		
15.93	18.82	PLE	Bandoeng, Java.	JVE 7:30pm; KWU at 7:50pm		
16.06	18.67	OCI	Lima, Peru.	Calls PPU at 7am.		
16.10	18.62	GAU	Rugby, England.	Works WNY at 8am.		
16.23	18.48	HBH	Geneva, Switzerland.	Experimental.		
16.25	18.44	HJY	Bogota, Colombia.	Works CEC, LSR and OCI day		
16.34	18.34	WLA	Lawrenceville, N.J.	Works GAS.		
16.38	18.31	FZS3	Saigon, F. Indo-China.	Works FTM at 4:30am.		
16.38	18.304	GAS	Rugby, England.	Works WLA days.		
16.39	18.296	YVR	Maracay, Venezuela.	Works DFB about 9:20am.		
16.42	18.27	ETA	Addis Abeba, Ethiopia	Very irregular.		
16.49	18.18	CGA	Drummondville, Quebec	Works Rugby mornings.		
16.56	18.115	LSY3	Monte Grande, Argen.	Works Rocky Point irreg.		
16.86	17.79	GSG	Daventry, England.	6-8:45, 9-10:15am.		
16.87	17.78	W3XAL	Boundbrook, N.J.	8:30am-4pm.		
16.89	17.76	W2XE	Wayne, New Jersey.	11am-1pm.		16
16.89	17.76	DJE	Zeesen, Germany.	8:05-11am to East Asia.		
16.91	17.74	HSP	Bangkok, Siam.	Works JVG around 4:30am.		
17.11	17.52	DPB	Nauen, Germany.	Works YVR around 9:20am.		
17.15	17.48	WVY	Kirkee, India.	Works GAU about 8am.		
17.51	17.12	WOO	Ocean Gate, N.J.	Works ships.		
17.55	17.08	GBC	Rugby, England.	Works ships.		
18.48	16.27	WLK	Lawrenceville, N.J.	Works Rugby days. (& 9:20pm		
18.49	16.24	KTO	Manila, Phillipines.	JVB. 6:30-7pm; KWU 7:30-8,-		
18.51	16.20	FZR3	Saigon, F. Indo-China.	Works FTK at 9, and 10am.		
18.61	16.12	IRY	Rome, Italy.	Works Asmara irregularly.		
18.71	16.03	KKP	Kahuku, Hawaii.	Works KWO 1:30 to 7pm.		
18.89	15.88	FTK	Ste. Assise, France.	Works FZR3 at 9 and 10am.		
18.90	15.86	JVD	Nazaki, Japan.	Works KWU; Works XOJ at 9p		
19.06	15.785	XOJ	Shanghai, China.	Works JVD about 9pm.		
19.16	15.66	JVE	Nazaki, Japan.	Works PLE 7:30-8pm.		
19.21	15.62	JVF	Nazaki, Japan.	Works KWU, XOJ irregularly		
19.44	15.43	KWE	Bolinas, California.	Has been working WOEH.		
19.45	15.42	KWO	Dixon, California.	Works KKP and Manila.		
19.52	15.37	HAS3	Budapest, Hungary.	Sunday 9-10am.		
19.53	15.355	KWU	Dixon, California.	Works JVD, KKP, KTO, KAX, PLE		
19.55	15.34	DJR	Zeesen, Germany.	1:30-3:30am to S. Asia.		
19.57	15.33	W2XAD	Schenectady, N.Y.	10am-2pm.		
19.62	15.29	LRU	Buenos Aires, Argen.	Tests late afternoons irr		
19.63	15.28	DJQ	Zeesen, Germany.	12:30-3am to East Asia.		19
19.64	15.27	W2XE	Wayne, New Jersey.	1-3pm, relays WABC.		
19.66	15.26	GSI	Daventry, England.	12:15-2:15pm.		
19.67	15.25	W1XAL	Boston, Mass.	Irregular on this frequen		
19.67	15.25	RIM	Tashkent, U.S.S.R.	Phones at 10am irreg.		
19.68	15.243	TPA2	Pontoise, France.	5:55-11am.		

19.71	15.22	PCJ	Eindhoven, Holland.	Tues. 3-6, Wed. 7:10-11:10am
19.72	15.21	W8XK	Pittsburg, Penna.	9am to 7pm relays NBC.
19.74	15.20	DJB	Zeeseen, Germany.	3:50-11am to South Asia.
19.76	15.18	SSO	Daventry, England.	Experimental.
19.82	15.14	GSF	Daventry, England.	9am to noon.
19.82	15.14	GSP	Daventry, England.	Experimental.
19.84	15.12	VWJ	Vatican City, Italy.	10:30-10:45am, Sat 10am.
19.85	15.11	DJL	Zeeseen, Germany.	6:30-8am to South Asia.
19.85	15.104	RAU	Tashkent, U.S.S.R.	Works RKK after midnight.
19.89	15.083	RKI	Moscow, U.S.S.R.	Works WQP Sunday am.
19.92	15.055	WNC	Hialeah, Florida.	Works CA & SA daily.
19.95	15.04	RKI	Moscow, U.S.S.R.	Works RNE/RKH 7-10am irr
19.95	15.04	WQS	Rocky Point, N.Y.	Experimental.
20.03	14.98	KAY	Mnila, Phillipines.	Works DFB 7am etc.
20.04	14.97	LZA	Sofia, Bulgaria.	Sunday 11am-noon.
20.08	14.93	RJB	Bogota, Colombia.	Works WNC.
20.12	14.91	JVG	Nazaki, Japan.	Works JIA and HSP.
20.35	14.74	IRG	Massaua, Eritrea.	Works JVH 5-7am irreg.
20.45	14.665	DFD	Mauen, Germany.	Works JVH 2am irreg.
20.50	14.63	IQA	Rome, Italy.	Works JVH 6-7am. (& S.A.
20.53	14.612	FTA	Ste. Assise, France.	Mon-2:30pm works I. China-
20.55	14.60	JVH	Nazaki, Japan.	Works Europe 2-8am irreg.
20.64	14.535	HBZ	Geneva, Switzerland.	Experimental to U.S.A.
20.69	14.50	TCU/HPF/TSP	Central America	all work WNC days.
20.71	14.485	HRL5	La Lima, Honduras.	Works WNC days.
20.75	14.46	DZH	Zeeseen, Germany.	Moan to 2pm irreg.
20.78	14.44	GBU	Rugby, England.	Works Lawrenceville days
20.82	14.41	DIP	Zeeseen, Germany.	Experimental.
20.83	14.40	HB9B	Scrne, Switzerland.	5-6am daily
20.83	14.40	to	21.43 14.00--	Amateurs.
21.57	13.90	WQP	Rocky Point, N.Y.	Experimental. (-1pm.
21.71	13.81	SUZ	Cairo, Egypt.	Works GBB 9:30-10am, 12:30
21.81	13.745	CGA2	Drummondville, Quebec	Phone.
22.00	13.636	SPW	Babice, Poland.	M/W/F 11:30am-12:30pm.
22.08	13.585	GEB	Rugby, England.	Works SUZ and CGA2 days.
22.37	13.41	WCT	San Juan, Puerto Rico	works WNC.
22.42	13.38	IDU	Asmara, Eritrea.	Phones IRY/IQA 11am irreg
22.48	13.35	VVC	Maracay, Venezuela.	Works WNC days.
22.58	13.285	CGA3	Drummondville, Quebec	Works ships and Rugby.
22.94	13.075	VPD	Suva, Fiji's.	12:37-1:30am dly ex. Sun.
23.31	12.862	WOEH	In Alaska at present	Works KTE, KEE and KEI.
23.36	12.84	WOC	Ocean Gate, N.J.	Works ships days. (9:30am.
23.39	12.83	CNR	Rabat, Morocco.	Works Paris Sun. 7:30-
23.45	12.80	IAC	Coltano, Italy.	Works ships days.
23.47	12.86	GBC	Rugby, England.	Works ships days.
24.21	12.40	DAF	Borden, Germany.	Works ships days.
24.45	12.27	RKK	Moscow, U.S.S.R.	Works RAU after midnight.
24.48	12.25	TYB	Paris, France.	Tues/Thur/Sat 7-8am irreg
24.52	12.235	TFJ	Reykjavik, Iceland.	Sun 1:40-2pm, GBC 6am & 9a
24.73	12.13	DZW	Zeeseen, Germany.	7-9pm irregularly.
24.92	12.03	HBO	Geneva, Switzerland.	Experimental.
25.00	12.00	RNE	Moscow, U.S.S.R.	3-6pm; Sun 6-8:40, 10-11am.
25.09	11.955	ETB	Addis Abeba, Ethiopia	Very irregular.
25.08	11.95	KKQ	Polinas, California.	Evenings irregularly.
25.23	11.88	TPA3	Pontoise, France.	2-5am, 11:15am-6:05pm.
25.27	11.87	W8XK	Pittsburg, Penna.	5-7pm.
25.29	11.86	GSE	Daventry, England.	10:15am to noon.
25.31	11.85	DJP	Zeeseen, Germany.	Noon to 2pm to Africa.
25.36	11.83	W2XE	Wayne, New Jersey.	3 to 10pm. (off at 7:30pm.
25.36	11.83	W9XAA	Chicago, Illinois.	Irregular, usually signs-
25.38	11.82	GSM	Daventry, England.	12:15-2:15 am daily
25.40	11.81	2R04	Rome, Italy.	8:15-9, 9:15-11am, N'n-1pm.
25.40	11.81	HJ4ABA	Medellin, Colombia.	6:30-10:30pm except Sun.
25.43	11.79	DJO	Zeeseen, Germany.	3-4:55pm to Africa. (6:30p
25.43	11.79	W1XAL	Boston, Mass.	Sun 3:30-5pm, Dly 5:30-
25.51	11.77	DJD	Zeeseer, Germany.	11:35am-4:20pm; 4:50pm to
				10:45 pm to North America
25.53	11.75	GSD	Daventry, England.	12:15-5:45, 6-8, 10-11pm.

25.57	11.73	PHI	Huizen, Holland.	8:30-11:30am Ex. Tues/Wed:
25.60	11.72	CJRX	Winnipeg, Canada.	(Will go to 17.77, Apr 26.
25.63	11.71	TPA4	Pontoise, France.	7-12pm, S 4pm-1a, Su 5-9:30
25.68	11.68	KIO	Kahuku, Hawaii.	6:15-10:15, 10:45-1am.
25.69	11.67	PPQ	Rio de Janeiro.	Works KKQ and GMBJ.
25.71	11.66	JVL	Nazaki, Japan.	Works LSX irreg.
25.87	11.595	VRR4	Stoney Hill, Jamaica	Works JIA, JIB, JIC.
26.00	11.54	XGR	Shanghai, China.	Works WNC. (irregularly.
26.11	11.495	VIZ3	Fiskville, Australia	Works Rugby 3:30-4:30am-
26.11	11.49	PL0?	Bandoeng, Java	Works CGA4 irreg.
26.80	11.187	XAM	Merida, Yuca, Mexico.	5:30-11am Sun. & Irreg.
27.27	11.00	XBJQ	Mexico D.F.	Works XDR 5-7pm irreg.
27.27	11.00	PLP	Bandoeng, Java.	Experimental irreg.
27.27	11.00	ZLT4	Wellington, N.Z.	Sun. 5:30-10am & irreg.
27.39	10.955	HS8PJ	Bangkok, Siam.	Works VLJ mid.-1:30am.
27.44	10.936	FTH	Ste. Assise, France.	Monday 8-10am. (10KW)
27.50	10.91	KTR	Manila, Philippines.	8:30am-noon with Egypt.
27.68	10.84	KWV	Dixon, California.	Works KVV at 10am irreg.
27.86	10.77	GBP	Rugby, England.	Works KTR at 10am irreg.
27.93	10.74	JVM	Nazaki, Japan.	Works VLK 2-4:20am
28.09	10.675	WNB	Lawrenceville, N.J.	M/Th 4-5pm, Tu/F 2-3pm.
28.12	10.67	CEC	Santiago, Chile.	Works ZFD afternoons.
28.12	10.67	PLQ	Bandoeng, Java.	7-7:15pm, Thur/Sun 8:30-9p
28.14	10.66	JVN	Nazaki, Japan.	Sun 5:30-10am & irreg.
28.28	10.61	WEA	Rocky Point, N.Y.	12-1am, Mon/Thur 4-5pm,
28.47	10.53	JIB	Taihoku, Taiwan.	5:20-11pm, 1:50-7:40am.
28.50	10.52	VLK	Sydney, Australia.	Experimental.
28.77	10.42	XGW	Shanghai, China.	Works JVO 2-9am. Best 2-3.
28.76	10.43	YBG	Medan, Sumatra.	Works GBP 2-4:20am.
28.90	10.38	WCG	Rocky Point, N.Y.	Works Tokyo nights.
28.91	10.375	JVO	Nazaki, Japan.	Works Java 4:30 & 6am.
28.98	10.35	LSX	Buenos Aires, Argen.	Experimental.
29.01	10.335	ZFD	Hamilton, Bermuda.	Works TDE at 5:15am.
29.04	10.33	ORK	Ruyselede, Belgium.	Experimental irreg.
29.15	10.29	DIQ	Nauen, Germany.	Works WNB until 8:15pm.
29.24	10.26	PMN	Bandoeng, Java.	2:30-4pm to Bel. Congo.
29.34	10.20	PSH	Rio de Janeiro.	Experimental.
29.50	10.17	RIO	Bakon, U.S.S.R.	Works B.A. & CEC 6-7pm.
29.50	10.17	HS8PJ	Bangkok, Siam.	Works RNE/RIR mid-2am.
29.74	10.08	RIR	Tiflis, U.S.S.R.**	Monday 8-10am.
29.80	10.065	TDE	Kanjoshi, Manchukuo.	RIO 12-2am; 10-11am.
29.84	10.055	SUV	Cairo, Egypt.	Works JVO at 5:15am.
29.87	10.042	DZB	Zeesen, Germany.	GAA 3:30pm, DGU 4:30-5pm &
30.01	9.99	KAZ	Manila, Philippines.	2-4pm irregular.
30.32	9.89	LSN3	Buenos Aires, Argen.	Works Dixon 10-10:45am.
30.40	9.87	WON	Lawrenceville, N.J.	Works New York.
30.43	9.86	EAQ	Madrid, Spain.	Works GCW afternoons.
30.47	9.84	JYS	Kemikawa-Cho, Japan.	5:15-9:30pm, Sat N'n-2pm.
30.59	9.80	GCW	Rugby, England.	Testing 11:45pm-2:45am ir
30.75	9.76	VLJ	Sydney, Australia.	Works WON afternoons.
30.93	9.70?	TL1NRH	Heredia, Costa Rica.	Works ZLT4 mid.-1:30am.
31.01	9.675	DZA	Zeesen, Germany.	5:30-6:30pm, Sunday to 7pm
31.05	9.66	CT1AA	Lisbon, Portugal.	Tests 5-7pm irreg.
31.10	9.64	YDB	Sourabaya, Java.	Tues/Thur/Sat 3-6pm.
31.10	9.64	HCBJ	Quito, Ecuador.	5:30-10am; Sat to 11:30am.
31.13	9.635	2RO3	Rome, Italy.	Testing here 9:15pm irr.
31.20	9.615	HH3W	Port-au-Prince, Haiti	2:30-5, 6-6:15pm; M/W/Fr
31.22	9.61	HP5J	Panama City, Panama.	6-9pm, Mon/Fri 5:15-5:50pm
31.25	9.60	HJ1ABP	Cartagena, Colombia.	2-3pm; 7-8:15pm.
31.25	9.60	CB960	Santiago, Chile.	11:45-1:15pm, 7-10:30pm. 31
31.27	9.595	HBL	Geneva, Switzerland.	8-11:30pm.
31.28	9.59	PCJ	Eindhoven, Holland.	11am-1pm, 9-11pm.
31.28	9.59	VK2ME	Sydney, Australia.	Sat. 5:30-6:15pm.
31.28	9.59	W3XAU	Philadelphia, Penna.	Sun, 7:30-8:30, 8:45-9:45am
				1-2pm, 7-8pm to N.A.
				Sun, 1-3, 5-9, 9:30-11:30am.
				Noon-8pm, Sunday N'n-7pm.

31.31	9.58	LRX	Buenos Aires, Argen	Testing evenings irreg.
31.32	9.58	GSC	Daventry, England.	4:15-5:45, 6-8, 10-11pm.
31.32	9.58	VK3LR	Melbourne, Australia.	3:30-7:30am except Sunday
31.35	9.57	W1XK	Springfield, Mass.	6am-mid., Sun 8am-lam.
31.36	9.565	VUB	Bombay, India.	Su 12:30-1:30pm, Th/Sat 11:30am-12:30pm, Mon irr.
31.38	9.56	DJA	Zeesen, Germany.	12:30-3:50am, 4:50-10:45p 8:05-11am to East Asia.
31.45	9.54	DJN	Zeesen, Germany.	12:30-3am, 3:50-11am, 4:50 to 10:45pm to C.A.
31.45	9.54	CQN	Maçao, China.	Mon/Wed/Fri to 8:30am.
31.48	9.53	W2XAF	Schenectady, N.Y.	4pm to midnight.
31.48	9.53	LKJ1	Jeloy, Norway.	5-8am, 11am-6pm, Su 3-8am.
31.51	9.52	F31CD	Saigon, F. Indo-China.	Testing 6-7pm irreg.
31.51	9.52	XEFT	Veracruz, Mexico.	Heard testing here.
31.55	9.51	GSB	Daventry, England.	12:15-2:15am, 12:15-5:45p
31.55	9.51	HJU	Buenaventura, Colombia	Mon/Wed/Fri. N'n-2, 8-11p
31.58	9.501	PRF5	Rio de Janeiro, Braz.	4:45-5:45pm.
31.58	9.50	HJLABE	Cartagena, Colombia.	Testing in evenings.
31.58	9.50	XGOX	Nanking, China.	Tests at 8am.
31.61	9.49	VK3NE	Melbourne, Australia.	4-7am except Sunday.
31.61	9.49	KEI	Bolinas, California.	Contacts WOEI etc.
31.68	9.47	WET	Rocky Point, N.Y.	Experimental.
31.73	9.45	TGLX	Guatemala, Guatemala.	Sun 2-5am; Evenings irreg
31.80	9.428	COCH	Havana, Cuba.	10-N'n, 4-6, 9-10pm.
31.84	9.415	PLV	Bandoeng, Java.	Works Dixon near 10am.
31.92	9.40	XDR	Mexico, D.F.	Works XAM, XFA2 5-7pm irr
32.13	9.332	CGA4	Drummondville, Quebec	Works GCB 4-6pm etc.
32.26	9.30	YNGU	Managua, Nicaragua.	12:45-2:15, 6:15-7:15pm.
32.33	9.28	GCB	Rugby, England.	Works CGA4 4-6pm & SUV.
32.70	9.17	WNA	Lawrenceville, N.J.	Works London.
32.70	9.168	YVR-	Maracay, Venezuela.	Relays YV2RC irreg.
32.88	9.125	HAT4	Budapest, Hungary.	Sunday 6-7pm.
33.15	9.05	TFK	Reykjavik, Iceland.	GBC 5-5:30am.
33.17	9.04	TYA2	Pontoise, France.	Works FVA 3:30-5pm.
33.30	9.01	KEJ	Bolinas, California.	Tues 12:30-1am with KKH
33.47	8.963	FVA	Alger, Algeria.	Works TYA2 3:30-5pm.
33.50	8.95	WEL	Rocky Point, N.Y.	Experimental.
33.71	8.90	WVD	Seattle, Washington.	Works WXE 11:30pm-12:30a
34.19	8.775	PNI	Macassar, Celebes.	Works Bandoeng 4-5am.
34.19	8.775	H0JB	Quito, Ecuador.	Wed., 7-9:30pm.
34.26	8.75	ZBW	Hong Kong, China.	4-10am.
34.44	8.71	KBB	Manila, Philippines	Works GMBJ 4-8am irreg.
34.66	8.665	C09JQ	Camaguey, Cuba.	8-9pm & irregular.
34.92	8.59	YNVA	Managua, Nicaragua.	7:45-10:15pm except Sun.
35.69	8.404	HC2CW	Guayaquil, Ecuador.	8-11pm.
36.61	8.195	YSJ	San Salvador, El Salvador	heard testing.
36.63	8.19	XEME	Merida, Yuca, Mexico.	10am-lpm, 6-11pm.
36.65	8.185	PSK	Rio de Janeiro, Braz.	Phone & irreg. programs.
36.95	8.12	KTP	Manila, Philippines.	Works Dixon 9:30-10:30am
38.24	7.845	HC2JSB	Guayaquil, Ecuador.	9:20a-2:20pm, 6:20-11:20p
38.47	7.797	HBP	Geneva, Switzerland.	Sat. 5:30-6:15pm.
38.86	7.715	KEE	Bolinas, California.	Works KKH and WOEI.
39.37	7.62	ETD	Addis Abeba, Ethiopia	Very irregular.
39.40	7.61	KWX	Dixon, California.	Phones.
39.70	7.56	EABAB	Tenerife, Canarias.	Mon/Wed/Fri. 3:30-4:30pm.
39.74	7.55	T18WS	Puntarenas, C.R.	
39.87	7.52	KKH	Kahuku, Hawaii.	Tues 12:30-1am, 10-12p ir
39.92	7.51	JVP	Nazaki, Japan.	Mon/Th 4-5, Tu/Fri 2-3pm.
40.00	7.50	YNLAT	Granada, Nicaragua.	9-10pm.
40.54	7.40	WEM	Rocky Point, N.Y.	Experimental.
40.65	7.38	XEGR	Mexico D.F.	Sunday 6-8:15pm.
41.15	7.29	H1LJ	San P de Macoris, DR	12:10-2:40pm, 6:10-8:10pm
41.55	7.22	VP3BG	Georgetown, B. Guiana.	
41.80	7.18	CR6AA	Lobito, Angola, Africa	Wed/Sat 2:45-4:45pm.
42.11	7.125	PRADO	El Riobamba, Ecuador.	Heard testing here.
42.13	7.12		Papeete, Tahiti.	Tues/Fri 11pm-midnight.
42.25	7.10	HKE	Bogota, Colombia.	Tues/Sat 8-9pm.

42.40	7.08	VP3MR	Georgetown, B. Guiana	4:45-8:45pm, Sun 7:45-10am
42.40	7.08	PI1J	Dordrecht, Holland.	Sunday, 11:10am-12:10pm.
43.23	6.935	WEB	Rocky Point, N.Y.	Works Paris.
43.48	6.90	HI3C	La Romana, D.R.	6-7:30pm. (3-4am.
44.03	6.81	HIH	San Pedro, D.R.	Tues/Fri 12:15-2pm, Sun-
44.12	6.80	HCETC	Quito, Ecuador.	8:30-10:30pm except Sun.
44.12	6.80	HI7P	Trujillo City, D.R.	Heard from 7 to 8:15pm.
44.44	6.75	JVT	Nazaki, Japan.	4-7:40am irreg.
44.51	6.74	HC1TQ	Quito, Ecuador.	Sunday, 5:15-7:14pm.
44.57	6.725	WQO	Rocky Point, N.Y.	Experimental.
44.71	6.71	TIEP	San Jose, C.R.	7-10pm except Sundays.
44.96	6.672	YVQ	Maracay, Venezuela.	Evenings irregular. 49
45.05	6.66	HC2RL	Guayaquil, Ecuador	Sun 5:45-7:45p, Tu 9:20-11
45.25	6.63	HIT	Trujillo City, D.R.	12:10-1:40pm, 6:10-8:40pm.
45.31	6.62	PRADO	Riobamba, Ecuador.	Thur 9:20-11:40pm.
45.45	6.60	XFA2	Veracruz, Mexico.	Works XDR and XAM. (S to 8
45.80	6.55	TIRCC	San Jose, C.R.	N'n-2pm, 6-7pm, Thur 6-11pm
45.80	6.55	HI4D	Trujillo City, D.R.	4:40-7:40pm except Sunday
46.01	6.52	YV6RV	Valencia, Venezuela	5:30-9:30pm.
46.08	6.51	HIL	Trujillo City, D.R.	5:30-7:40pm daily.
46.23	6.49	HJ5ABD	Cali, Colombia.	7-10pm except Sunday.
46.30	6.48	HI4V	Trujillo City, D.R.	6-8pm.
46.51	6.451	HJ4ABC	Ibague, Colombia.	8-10pm except Sunday.
46.60	6.44	HJ1ABB	Barranquilla, Colom.	6-10pm, Sat to 12pm.
46.66	6.43	HI1S	Puerto Plata, D.R.	5:40-7:40pm daily.
46.70	6.425	VE9AS	Fredericton, N.B.	Thur 10:30pm-1:30am.
46.69	6.425	W3XL	Boundbrook, N.J.	N.B.C. experimental.
46.80	6.41	TIPG	San Jose, C.R.	6-11:15pm.
46.95	6.39	HI3U	Santiago d.L.C. DR,	5:40-7:40pm.
47.02	6.38	YV4RC	Caracas, Venezuela.	11am-1pm, 5-10pm ex. Sunday
47.20	6.357	HRP1	San Pedro Sula, Hon.	7-9pm except Sunday.
47.50	6.31	HIZ	Trujillo City, D.R.	5-7:30pm except Sunday.
47.62	6.30	YV12RM	Maracay, Venezuela.	5:30-8:30pm except Sunday
47.77	6.28	HIG	Trujillo City, D.R.	6:10-9:10pm.
47.85	6.27	CO9WR	Sancti Spiritus, Cuba	4-6, 9-11pm.
48.11	6.235	HRD	La Ceiba, Honduras.	8-11pm, Sunday 1-11pm.
48.15	6.23	OAX4G	Lima, Peru	7-10:30pm, Wed. to 11:30pm.
48.23	6.22	HJ2ABA	Tunja, Colombia.	8-10pm.
48.50	6.185	HILA	Trujillo City, D.R.	11:40-1:40pm, 7:40-9:40pm.
48.50	6.185	XEXA	Mexico D.F.	8-8:30am, 6-11:15pm.
48.62	6.17	HJ3ABF	Bogota, Colombia.	7-11pm except Sunday.
48.70	6.16	VPB	Colombo, Ceylon.	Testing irregular.
48.78	6.15	CB615	Santiago, Chile.	11am-1pm, 7-10pm.
48.78	6.15	YV3RC	Caracas, Venezuela.	3:30-10pm. (-10:30pm.
48.78	6.15	CJRO	Winnipeg, Canada.	7-mid, Sat 4pm-1am, Sun 5-
48.78	6.15	HI5N	Trujillo City, D.R.	6-7am, N'n-2pm, 6-9:30pm.
48.78	6.15	CSL	Lisbon, Portugal.	7:14am-12:24pm.
48.78	6.15	COKG	Santiago, Cuba.	8-9am, 11am-2pm, 5-11pm.
48.82	6.145	HJ5ABC	Cali, Colombia.	7-10pm.
48.86	6.140	W8XK	Pittsburgh, Penna.	7pm to midnight.
48.89	6.137	CR7AA	Laurencio, Mozambique	12:45-3pm, Sun 8-10:30am.
48.90	6.135	HJ4ABP	Medellin, Colombia.	8-11pm.
48.90	6.135	CHNX (VE9HX)	Halifax, N.S.	Relaying CHNS irregular.
48.94	6.13	ZGE	Kuala Lumpur, F.M.S.	Sun/Tues/Fri 6:40-8:40am.
48.94	6.13	COCD	Havana, Cuba.	11am-12pm, Sun 5-11pm.
48.94	6.13	TGXA	Guatemala, Guatemala	6pm to midnight irreg.
49.02	6.12	ZEB	Bulawayo, S. Rhodesia	Tu 1:15-3:15p, F, 10-10:45a
49.02	6.12	HJ3ABX	Bogota, Colombia.	6-11:30pm.
49.02	6.12	W2XE	Wayne, New Jersey.	10-11pm. (-12pm, Sun 9-12pm
49.02	6.12	XEFT	Veracruz, Mexico.	11am-4pm, 7:30-12pm, Sa 630
49.10	6.11	GSL	Daventry, England.	2:30-4pm.
49.10	6.11	HJ4ABB	Manizales, Colombia.	8-10pm. (irreg, Sat 11:35pm
49.10	6.11	VUC	Calcutta, India.	2:06-3:06am, 8:06-11:06am-
49.18	6.10	W3XAL	Boundbrook, N.J.	Mon/Wed/Sat 5pm-12:45am.
49.18	6.10	W9XF	Chicago, Illinois.	Sun/Tues/Thur/Fr 9pm-2am.
49.20	6.097	ZTJ	Johannesburg, S. Afr.	11:45-12:30am, 3:30-7am et
49.26	6.09	CRCX	Bowmanville, Ontario	5:30-11:30pm, Sun 3-11:30p
49.27	6.085	ZR01	Rome, Italy.	Tests 5:15-5:45pm irreg.

49.31	6.081	VQ7LO	Nairobi, Kenya, Afr.	5:45-6:15am ex. Sat/Sun et
49.34	6.08	HP5F	Colon, Panama.	11:45am-1:15pm, 7-10:30pm.
49.34	6.08		Pereira, Colombia.	9-11am, 6-9pm.
49.34	6.08	CP5	La Paz, Bolivia.	8-9:30pm.
49.35	6.079	DJM	Zeesen, Germany.	7:30-9:30pm to N.A.
49.42	6.072	OER2	Vienna, Austria.	9am-5pm, Sat 9am-6pm.
49.42	6.07	VE9CS	Vancouver, B.C. (2w)	6-7:30pm, Sun 1:45pm-1am.
49.46	6.065	HJ4ABH	Manizales, Colombia.	6-7:45pm.
49.50	6.06	OXY	Skamlebaek, Denmark.	1-6:30pm, Sun 11am-7pm.
49.50	6.06	W3XAU	Philadelphia, Penna.	8-11pm, (-8pm, 11p-1:30am.
49.50	6.06	W6XAL	Cincinnati, Ohio.	6:30am-8pm, 11pm-2am; Su 8a
49.55	6.055	XEUW	Veracruz, Mexico.	7-12pm, Sun 2-3, 4-5am.
49.59	6.05	HJ3ABD	Bogota, Colombia.	7-11pm.
49.59	6.05	GSA	Daventry, England.	6-8pm.
49.63	6.045	HI9B	Trujillo City, D.R.	11am-9pm, Sun 12:15-1:15am
49.65	6.04	W4XB	Miami, Florida.	Mon-2pm, 5:30-mid, Sat 2-6a
49.65	6.04	HJ1ABG	Barranquilla, Colom.	6:30-10pm except Sunday.
49.65	6.04	W1XAL	Boston, Mass.	Tu/Th 7:30-9:30p, Su 6-8pm
49.75	6.03	HP5B	Panama City, Panama	8-10:30pm.
49.75	6.03	VE9CA	Calgary, Alta, Canada	9am-midnight.
49.77	6.028	PRAB	Pernambuco, Brazil.	4-4:45pm, 6-8pm. (-pm.
49.83	6.02	DJC	Zeesen, Germany.	11:35am-4:20pm, 4:50-10:45
49.88	6.015	HJ3ABH	Bogota, Colombia.	4-11pm, Sun 4-9pm. (Sun-130
49.92	6.01	COCO	Havana, Cuba.	4-7, 8-10pm, Sat 11:30pm-
49.92	6.01	FIU	Tananarive, Madagascar	Heard recently 9-10am.
49.90	6.01	ZHI	Singapore, F.M.S.	Mon/Wed/Thur 6-8:30am. etc
49.95	6.005	VE9DN	Drummondville, Que.	Sat 11pm-midnight.
49.95	6.005	HP5K	Panama City, Panama	8:30-10am, 1-2, 7-10pm.
49.95	6.005	HJ1ABJ	Santa Marta, Colomb.	6-10pm, Sundays at 7am.
50.00	6.00	XEBT	Mexico D.F.	10am-1:15am.
50.00	6.00	OAX4J	Lima, Peru.	7-11pm. (-am, 11am-noon.
50.00	6.00	ZEC	Salisbury, S. Rhodesia	Tu 1:15-3:15p, Fr 10-1045
50.00	6.00	TGWA	Guatemala, Guatemala	9pm-midnight ex. Sunday.
50.00	6.00	RV59	Moscow, U.S.S.R.	Irregular at present.
50.04	5.995	WXE	Anchorage, Alaska.	Works WVD 11:30pm-1:30am.
50.17	5.98	HJ2ABD	Bucaramanga, Colom.	7:30-9:30pm. (10:10pm.
50.17	5.98	HIX	Trujillo City, D.R.	4:40-5:40pm, Tu/Fr 8:10-
50.18	5.975	HJ2ABC	Cucuta, Colombia.	6:30-9pm irreg.
50.25	5.97	XEVI	Mexico, D.F.	8pm-midnight.
50.26	5.969	HVJ	Vatican City, Italy.	2-2:15pm, Sunday 5-5:15am
50.29	5.966	HJ1ABC	Quibdo, Colombia.	5-6pm, Sunday 3-5pm.
50.42	5.95	HJN	Bogota, Colombia.	8:30-10:30pm except Sun.
50.51	5.94	TG2X	Guatemala, Guatemala	4-6, 9-10:30pm except Sun.
50.59	5.93	HJ4ABE	Medellin, Colombia.	7-10:30pm.
50.68	5.91	HH2S	Port-au-Prince, Haiti	7:30-9:30pm except Sun.
50.85	5.90	YV8RB	Barquisimeto, Venez.	5:30-9:30pm.
50.93	5.89	JIC	Taihoku, Taiwan.	Works Tokyo around 7:30am
50.97	5.885	HCK	Quito, Ecuador.	8:45-10:45pm, Mon/Fri.
51.07	5.875	HRN	Tegucigalpa, Honduras.	6:30-8, 8:30-10pm.
51.15	5.865	HI1J	San Pedro, D.R.	11:40am-1:40pm, 6:10-8:40p
51.28	5.85	YV5RMO	Maracaibo, Venezuela	5:50-9:50pm except Sunday
51.28	5.85	WOB	Lawrenceville, N.J.	Phones evenings irreg.
51.46	5.83	TDD	Kanjoshi, Manchukuo	Works JVU 6-7am irreg.
51.52	5.823	TIGPH	San Jose, C.R.	7-10pm except Sunday.
51.72	5.80	YV2RC	Caracas, Venezuela.	5:15-9:30pm.
51.81	5.79	JVU	Nazaki, Japan.	Works TDD 6-7am irreg.
51.90	5.78	OAX4D	Lima, Peru.	Wed/Sat 9-11:30pm.
51.99	5.77	HJ4ABD	Medellin, Colombia.	8-11pm except Sunday.
51.99	5.77	YNLF	Managua, Nicaragua.	7-11pm.
52.26	5.74	TGS	Guatemala, Guatemala	Wed/Thur/Sun 6-9pm.
52.32	5.73	JVU	Nazaki, Japan.	Works JIC at 7:30am irreg
52.45	5.72	YV10RSC	San Cristobal, Veneza	5:30-midnight except Sun
52.59	5.705	CFU	Rossland, B.C.	Works CZCX near 8:30pm.
54.30	5.525	TI5HH	San Ramon, C.R.	Testing around midnight.
58.03	5.17	PMY	Bandoeng, Java.	4:30-10:30am, 5:30-7:30pm.
65.22	4.60	HC2ET	Guayaquil, Ecuador.	8:19-10:19pm, Wed/Sat.
70.65	4.25	RV15	Khabarovsk, U.S.S.R.	1:30-11:30am.
74.96	4.00	CT2AJ	Ponta Delgada, Azores	Wed/Sat 5-7pm.

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