

THE GLOBE CIRCLER AND AMA-TOURING

COMPLETE GUIDE-BOOK FOR SHORT-WAVE LISTENERS



Robin Duff, BBC observer, and A. R. Phillips, of the BBC recording staff, describing a dog-fight over the cliffs of Dover. A few minutes after the photograph was taken, a German plane dived down and machine-gunned them.

WAR NEWS FROM EUROPE (Daily E.S.T.)

8:00 a.m.	London	GSV	17.81	8:00 p.m.	Moscow	RV96	15.18
8:15 a.m.	Berlin	DJL	15.11	8:00 p.m.	Stockholm	SBT	15.15
11:00 a.m.	London	GSV	17.81	8:15 p.m.	Berlin	DJD	11.77
2:15 p.m.	Berlin	DJB	15.20	9:45 p.m.	Rome	2RO3	9.630
3:50 p.m.	London	GSP	15.31	10:30 p.m.	Berlin	DJD	11.77
5:45 p.m.	London	GSD	11.75	11:30 p.m.	London	GSC	9.580
8:00 p.m.	London	GSD	11.75	12:00 mid.	Berlin	DXB	9.610

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CHARLES A. MORRISON
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IDA AND THE DRAFT

Don't hesitate to enroll in IDA or renew your subscription just because you happen to be of draft age. You may not be called up at all, or at least for several months. If you should be conscripted we will send the Globe Circler to your camp or if you desire defer the balance of your subscription until you return to your home.

Don't "let George Do It" in the matter of submitting shortwave notes for publication. Too many members fail to send in an item because they feel it is unimportant or may have been sent in already by other members- in this way it often happens that no one sends it in. Remember all items are important.

The Globe Circler contains a wealth of interesting and important material. Many more people would subscribe to it if they knew about it. Won't YOU do your bit to keep our club functioning during these disturbed times by putting a sample copy in the hands of radio friends (free copies for distribution can be obtained from HQ).

BRITISH IDA DX CONTESTS

Believe it or not, with the Nazi seige on full blast, British IDA members (those still at home) are not only still dx'ing but are actually engaging in monthly prefix contests, the last of which held on Aug. 3/4, came out as follows: 1st, Norman Burton 17; 2nd, R. Pybus 7, and 3rd, J. Shaw 6.-and we think we are dx'ing under hardships in the United States.

"OUR TOWN DX SERIES, DEDICATED TO THE 13TH ANNIVERSARY OF THE NNRC"

Oct.	Call kcs.	Location	A.M.-EST.	Oct.	Call kcs.	Location	A.M.-EST.
6	WGAR	1450 Cleveland, Ohio	2-3	20	WMAN	1370 Mansfield, Ohio	3-4
6	WFIG	1310 Sumter, S.C.	3-4	21	WPAY	1370 Portsmouth, Ohio	3-4
15	WCOL	1210 Columbus, Ohio	3-4	23	WROL	1200 Toledo, Ohio	3-4
15	KANS	1210 Wichita, Kansas	4-5	24	WFMJ	1420 Youngstown, Ohio	3-4
19	WLOK	1210 Lima, Ohio	3-4	26	WHIZ	1210 Zanesville, Ohio	3-4
		October 27, WCKY 1490 CINCINNATI SUPER DX SHOW	2-4 a.m. EST				
		(George Jacobs of Cincinnati, extends a cordial invitation to all dx'ers and IDA members to attend the gala WCKY DX program).					



RAY SIMPSON, CONCORD, N.S.W., AUSTRALIA

It is with the utmost regret we are forced to announce the resignation of our faithful 6th District Director and senior vice president, John DeMyer. John has been one of the leading figures in the IDA for more than six years and under his capable leadership the 6th District has always been 'on top! For the past several months John has been in very poor health and has been forced to forego any unnecessary duties. We all wish John -one of the world's leading dx'ers- a speedy return to health and to the ranks of active dx'ers.

With sincere and heartfelt grief we announce the passing of a fine gentleman and top notch dx'er- our friend and member Frank Stockbridge of Westboro, Massachusetts.

There haven't been enough changes in the VIC/VAC lists to warrant their publication in this issue.- Ed.

SHORT WAVE NOTES

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EDITOR-IN-CHIEF: Chas. A. Morrison; ASSOCIATE EDITORS: M.W. Soplol, R. Skyten; ULTRA-HIGH FREQUENCY EDITOR: Perry Ferrell Jr.; FREQUENCY CHECKING EDITORS: R.B. Oxrieder, John Larsen; AMA-TOURING EDITORS: Roger Legge, Roy Waite

PRESS DEADLINES: For NOVEMBER Globe Circler (including Ama-Touring), Oct. 16; For NOVEMBER STOP PRESS SHEET, Oct. 30; For NOVEMBER AMA-TOURING, Oct. 12 (For Ama-Touring send news items to Roger Legge, 20 Beethoven St., Binghamton, New York). . . MAKE OUT SHORT-WAVE REPORTS AS FOLLOWS: Double space lines.. Use one side of page only...group items by continents and state time used.. Items in order of importance are: NEW stations; exact frequencies or frequency changes; exact schedules or addresses; news periods in English; identifying signals and unusual receptions...RUSH IMPORTANT ITEMS BY FASTEST MAIL (A postcard will do)...FOUR STAR ITEMS Denote exceptional merit...EACH FIVE STAR ITEM pays its contributor \$2.00.

THE I.D.A. 100 CLUB

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Ray Simpson, Concord, Australia		31. E. Wokaty, Rocky River, Ohio	100

(Note: the IDA 100 CLUB is open to any member having verified 100)
(or more countries. Send revised ratings in to I.D.A. Headquarters)

TELEVISION

Television in full color for practical broadcasting has been introduced by CBS. The colors appear to have a greater and more faithful range of shade and vitality than exist today even in color motion pictures. Color actually increased the apparent definition of the picture and makes small objects easier to recognize. The methods of producing color pictures is simple and a standard television receiver plus a small attachment can be used. . . NEW STATIONS: Television Productions Inc., Los Angeles (78-84 mcs.), lkW; NBC, Philadelphia (102-108), lkW; Crosley Corp., Cincinnati (50-56), lkW. . . NBC station W2XBS (50-56), New York City, is again on the air with test telecasts.

E.S.T.

NORTH AND CENTRAL AMERICA

E.S.T.

ALASKA White Pass Airways, Skagway, has been granted authority to use Freq. 4.355 mcs., for communication with Canadian gov't. at White Horse, Y.T.
BR. HONDURAS ZIK2 (10.6), Government Radio Station, Belize, verifies promptly with red, white, blue and black QSL card, picturing a map of portions of N.A., C.A. and S.A., with Brit. Honduras blocked in solid red (Yoshimura)
CANADA CJRX (11.72), Winnipeg, is back on the air again; news in English at 7:30 and 10pm (Balbi, Brehmer)...CKFX (6.08), relays CKWX (950), Vancouver, B.C., daily 9:30am to 3am (Sun. morning to 4:30am) (Shino). CKFX gives news from London at 11am and 4:45pm; late news at 1am (Shino)
CANAL ZONE WZA (7.305), 400w, Army Air Corp., Albrook Field, heard very well nights irreg.; veri signed by Edmund Becker (WILGE) (*Kriebel)
COSTA RICA TI7RVM has moved to 5.985 (Legge)...Station believed to have been TIEM heard calling other Latin stations, on 6.135, from 1:45 to 3:47am

(Simpson)...TIGPH (5.83), San Jose, heard opening at 7:10am (Simpson).
CUBA NEW: Station- call may be CMEC- on 11.47, relays RHC, Cadena Azul, Havana, daily to lam. Heard as early as 3pm (Brehmer, Balbi*)...COHI (6.455) gives an English announcement when coming on air and promises booklet to those writing to P.O.Box 770, Havana (Simpson)
DOM.REP. H13X, on new freq. of 17.84, has been heard relaying HIX with fine signal strength from 6:30 to 8:30pm (*Skyten)
GUATEMALA TG5JG (7.26) broadcasts marimba music until 11pm (Wells)
HAWAII KGLT (Tug Mahoe), KLGU (Tug Mamo), KLMC (Tug Mikimiki), WDGY (Tug Mikiōi), owned by Young Bros., Pier 21, Honolulu, have daily skeds on 2.738 mcs. at 1:30am, 1:30, 6:15 and 9:30pm (Fern)...Utility Base, Pearl Harbor, works Utility Squadron Three Base, Puunene, Maui, irreg. on 6.8 mcs. (Fern)
MARTINIQUE "Radio Martinique" (9.705), Fort-de-France, is still being heard nightly to 8pm. Announces as "Ici Radio Martinique" (Waite)
MEXICO XDHX (10.05), Banco Nacional de Mexico, Departamento de Secretario, Mexico D.F., may be heard reading messages to branch banks, almost nightly at 6pm (Kriebel)...XEBT (6.005) broadcasts an English program at lam. Reports are solicited and should be sent to P.O.Box 7944, Mexico D.F. (ADXC)...XEWV, Mexico D.F. has moved to 9.49 mcs. (Balbi)
NICARAGUA YNOW (now on 6.87), "La Voz de America Central," is heard 7-10pm U.S.A.
U.S.A. WGXAU (26.125), Skirvin Tower Hotel, Oklahoma City, operates daily 7am-11pm (Simpson)...See list for revised skeds for WCAB and WCBX (CBS, Wilson)...NEW: CBS will install a 50kW xmtr. at Brentwood, N.Y., to operate on 21.52, 17.83, 15.27, 11.83, 9.59 and 6.06 mcs; WCBX will also move to Brentwood, N.Y., and increase power to 50kW (*CBS, FCC)...See list for revised skeds for WGEO-WGEA, WLWO and WPIT...WNBI (11.89) operates 8:15pm to lam to S.A. and WRCA (9.67) operates 4pm-lam to S.A. (NBC)...See list for revised skeds for WRUL/WRUW.

SOUTH AMERICA

BOLIVIA CP43 (15.162) is being heard approx. 4:30-8pm (Skyten); being heard 7-9pm at present (Legge)
BRAZIL PSF (14.69) relays PSH at rare intervals (Kriebel)
DUTCH GUIANA NEW: A new station on 11.383 is testing nightly 6:30-8:30pm. Announcements are in Dutch and English. Recordings interspersed with the following announcement in English, then in Dutch, make up the program: Hello, U.S.A., Hello NBC New York, this is Paramaribo testing on 26.36 meters. We would appreciate any report on reception from any listener anywhere in the world." (****Acton)
ECUADOR HCJB (12.46) is the best heard S.W. station in England, outside of the U.S. stations (Burton-Eng.)...An unidentified Quito station is being heard on 5.97 mcs., daily from 6:45am (Simpson-Australia)
VENEZUELA "Caracas stations YV5RM and YV5RN have not been heard for two weeks. I can't find them anywhere" (Balbi-Calif.)

AFRICA

MADEIRA CUQ2. (5.03) contacts Lisbon daily near 5pm. During late spring and summer months a frequency of 9.495 is used. Does not verify (Kriebel)
MOROCCO "Radio Maroc" (11.94) has not been heard for over a month (NK)
MOZAMBIQUE CR7BE (9.71) is now being received well again 2-4pm (Kriebel)
SO.AFRICA See list for slight revisions in skeds (ABC)

EUROPE

AZORES CUM (6.995) fones Lisbon almost daily near 5 or 5:30pm. This station formerly on 6.925, is located at San Miguel. During summer months the alternate freq. is 11.925. Apparently doesn't verify (*Kriebel)
ENGLAND BBC's OVERSEAS TRANSMISSIONS WILL BE COMPLETELY REVISED STARTING SEPT.29 AND OCT.6. Approximate new setup follows: Pacific Trans.-1:10-5:15am; 1st Central Trans.- 5:40-11:45am; 2nd Central Trans.- 11:55am-5:25pm, and NORTH AMERICAN TRANS.- 5:42-11:35pm. Freqs. beamed on N.A. follow: 2:15-5:25pm (GSP-15.31); 5:42-11:35pm (GSD-11.75 and GSC-9.58), and 9:30-11:35pm (GSA-6.05). NEWS IN ENGLISH will be given at 5:45, 8 and 8:45pm; Radio news-reel at 10:30pm and short news bulletin at 11:30pm...Frequencies beamed to Latin America will be in operation as follows: GSN (11.82), 5:42-11:35pm; GSB (9.51), 6:30-11:35pm; GSF (15.14), 6:30-9:15pm and GSE (11.86), 6:30-9:30pm (****Balbi- by airmail from BBC)
FINLAND OFE (11.78), Lahti, is again being heard 11am-5pm or later, with

weak signals. News in English at 1:15 and 4:15pm. OIE (15.19) heard with news in English at 6:15pm (**Skyten)

FRANCE Station Y (15.24), Paris, carries Nazi programs daily 10am-3:30pm and program to N.A., nightly 4:50-11pm. The 9.52 freq. is not being used at present (*Skyten, Balbi, Fern)

GERMANY Germany broadcasts to N.A. evenings as follows: 4:50-11pm, over DJL (15.11) and Y (15.24); 4:50-7pm, over DJZ (11.80); 4:50-1am, over DXB (9.61), and 7:15-11pm, over DJD (11.77) (RRG)...DJW (9.65) and DJN (9.56), operate nightly 12 mid.-2:30am (Balbi)...New German calls for frequencies formerly used by countries now occupied by Nazi's, follow: DXO (6.01), DXP (6.03), DXD2 (6.115), DXQ (6.17), DXY (9.525), DXZ (9.57), DXC2 (11.74), DXR (11.76), DXW (11.84), DXH2 (15.12), DXS (15.16), DXT (15.23), DXU (15.23), and DXV (17.83) (Honda)...During British air raids over Germany the Berlin SW stations usually go off the air (Skyten, CAM)...The new British Broadcasting Station, on 9.725, is being heard with fair signals (Skyten)...The anti-Nazi "Deutscherfreitsender" was heard on 9.96 from 3 to 4pm, with strong and clear signals (**Skyten)

HOLLAND NEW: PCV (18.065), Kootwijk, now broadcasts simultaneously with PCJ (15.22), from 7:30 to 10am; news in English at 9:30am. Announces as "Holland calling from the Nederlandsche Rundfunk Studios in Amsterdam, on 19.71 and 16.61 meters" (***Skyten)

IRELAND News in English is given over EIRE on 17.84 at 12:30 and on 6.19, at 4:15pm.

ITALY English news on "American Hour" is now given at 9:45pm, followed by Italian news at 10:05pm (*Balbi, Brehmer)...NEW Rome Station on 15.125, is being heard in Calif. R9, around 1:30pm (Honda)...Italian listeners are ordered to limit their radio reception to Italian and German stations.

JUGOSLAVIA YUA (6.100), Belgrade, heard with news in English at 4:30pm, with good signal strength (*Skyten)

PORTUGAL The unidentified Lisbon xmtr. on 6.15, is being heard from 3 to 5:05pm. A clock chimes 10pm (in Lisbon), at 5pm, followed by closing announcement in Portuguese and a selection played by orchestra until sign-off at 5:05pm. Signal is usually R8 at sign-off (*Skyten)

SPAIN EAQ (9.86) is now being heard daily from 3:55pm on (*Legge)

SWITZERLAND "Radio Suisse" (6.17), Schwarzenburg, is being heard from 3pm, or earlier to 4:30pm; news in French at 4:15pm. Announcements in French and German at sign-off, are followed by chorus voices and orchestra. Signal sometimes reaches R9 plus at sign-off (*Skyten)

U.S.S.R. Moscow on 7.545 broadcasts in Finnish at 1:35pm; Moscow on 15.66 frequently relayed RV96 from 8am-5pm but is now used mostly for fone service in morning (Kriebel, Skyten)...Unidentified station on 10.16, may be RIO, still being heard daily 5:30-5:45pm, with news in English in parallel with RV96 (Skyten)...Unidentified station on 12.045, may be Moscow, heard 3-4pm irreg. (Skyten)...See list for official Moscow freqs. and skeds.

ASIA AND OCEANIA

AUSTRALIA VLW2 (9.645), Perth, heard coming on the air at 6am (7pm in Perth) with very strong signals (Skyten)...Official Dept. of Information Skeds. are now as follows: Trans. 1, to New Caledonia & Fr. Oceania (French), 5:55-6:30am, over VLQ (9.615); Trans. 2, to N. & E. Asia, 6:40-7:15am, over VLQ (9.615); Trans. 3, to Ea. North America, 7:25-8am, over VLQ5 (9.68); Trans. 4, to S.E. Asia, 8:10-9:45am, over VLQ5 (9.68); Trans. 5, to W. North America, 10:25-11am, over VLQ5 (9.68); Trans. 6, to So. Africa, 11:55am-12:30pm, over VLW4 (9.655); Trans. 7, to So. Europe, 12:55-1:55pm, over VLQ2 (11.87); Trans. 8, to No. Europe, 2:30-4 pm, over VLQ7 (11.88); Trans. 9, to Ea. North America, 6:10-7pm, over VLQ3 (15.315), and Trans. 10, to W. North America, 12:55-1:45am, over VLQ8 (17.800) (***Callan, Simpson, Honda, Skyten, Wilson, CAM)...VLQ has a power of 10,000w, and uses a beam antenna at all times (Callan)...VLQ5 (9.68), presents a "mail bag" program Sundays at 7:45am (Skyten)...VLR, Melbourne, operates as follows: over VLR (9.58), 2:30-9am (Sun. to 8am); over VLR6 (11.83), 3:30-5:10, and over VLR3 (11.85), 5:15pm-2:15am (VLR-Melbourne)

CHINA The address of FFZ (12.05) is Station Radiophonique de l'Alliance Francaise, 193. Avenue Joffre, Shanghai (Simpson)...The Chinese Nat. Gov't. at Szechwan has a new xmtr. on 9.09, using the call XGOQ (ADXC)

HONGKONG ZHW2 (6.09) is operating daily 9:30-10am (Honda)

INDIA VUD4 (11.83), Delhi, heard well mornings after 6:30am (Legge*)

IRAN EPB (15.100), Teheran, operates 3:00-5:30am (Roberts)
JARVIS ISL. KVZJ (8.10) heard 3-3:30am talking to KF6SJJ a cw amateur on
 Howland Island (**Kriebel)...KF6JEG/KG6 heard at extreme low end of 10
 meter band (approx. 28.5), on Sunday, Sept. 8 (W9QMM-Schrock)
JAPAN JZJ (11.8) broadcasts to W.North America, 12-1:30, and to South
 Seas, from 7 to 9:30am (Balbi)...NEW: JZL (17.785), QRM from WNBI, heard with
 program in Japanese, 7-7:30pm, with good signals (**Skyten)
JAVA PMN (10.26) being heard in England as late as 5pm (Burton-Eng.)
NEW CALEDONIA FKSAA (6.132), Noumea, is now commencing its programs with
 both La Marseillaise, and God Save the King (ADXC)... "Radio Pacifique" on
 7.28, broadcasts in French, from 3:30- to 4pm (NZDXC)
PHILIPPINES KZRH (11.89), "The Voice of the Philippines in Manila under the
 American Flag", is now broadcasting a program to No. America, daily 11am-noon,
 and will verify with a special souvenir card (**Balbi, Shino)
SUMATRA YBF3 (10.43), Medan, verifies reception with a letter in English,
 signed by the Engineer-in-Charge, Sixth District, Telegraphs and Telephones,
 Serdanweg 2, Medan. When heard it was calling ships in English (Tune In)
THAILAND HSP5 (11.72), Bangkok, broadcasts news in English at 8:55am (HH)
TURKEY TAP (9.465) now heard afternoons to 3:30 or 4:30pm; news in
 English at 1:15pm. TAP also broadcasts talks by Martin Agronsky to NBC, on
 Sun., 5:50-6:10pm and Wed. 6:07-6:27pm (**Kriebel, Skyten, Acton).....TAQ
 (15.195), is operating 11:30pm-12:30am. Announcement at 11:30pm in Turkish,
 German, French and English (Balbi)
UNIDENTIFIED Oriental broadcaster on 14.625, daily 5-11am. Doubt if it is
 PLJ as it does not carry the NIROM programs? (Kriebel)

IDA CLUB NOTES

NEW MEMBERS

George M. Frazier, Los Angeles, Calif...
 Lawrence Kent, Memphis, Tennessee.....
RENEWALS: Harry G. Starr; Harry Rosen-
 brock; Thos. T. Hazard; Chas. Lebouef;
 L. E. Thoreson; Ray Dissinger, Geo. H.
 Jacobs, Laura H. Jacke; Gus Schraplau;
 Miss Julia M. Neilson.

PERSONAL

Herb Tucker of Akron, Ohio, is taking
 a course in announcing at Carthage,
 Ill., at radio station WCAZ.... Eugene
 Reinhard of Zurich, Switzerland, having
 served his term in military service,
 is again at home, and contemplates com-
 ing back to the United States shortly
 ... Lyle M. Nelson, a correspondent for
 the Oregon Daily Emerald of the Univ.
 of Oregon, has been busy this summer
 writing short-wave columns for a num-
 ber of newspapers and giving talks on
 radio up and down the coast... Jimmy
 Pichler of Santa Fe, New Mexico, is
 editing a monthly publication for the
 Cartwright Hardware Co. of that city.
 Ed. Cartwright, one of our members, is a
 well known radio dealer in Sante Fe..
 ... Important: If possible, would like
 to hear from Chas. Guilbert, In France.

Norman Burton (in England), states he
 and his wife are well. Occasionally
 they have an air raid alarm and get
 out of bed. They have no garden shel-
 ter but stay in the kitchen as that
 is the best protected part of the
 house. "There is nothing in an air
 raid alarm after the first one, as
 after that you just regard them as a
 d--n nuisance."

CHAPTER NOTES

WINDY CITY CHAPT. and WORLD WIDE
DIAL CLUB (Chicagoland)... Next meet-
 ing will be held Wed., Oct. 9, at the
 Central YMCA, 19 So. LaSalle St., Chi-
 cago. Informal and peppy neighborhood
 meetings are held last Sat. in each
 month. For full details contact Gail
 Beyer, 3226 Sunnyside Ave., Chicago, Ill..
 ... For details concerning other IDA
 Chapt. meetings contact the following:
ACC (Detroit), Wm. Mathers, 6607 Vine-
 wood; DELTA (Lansing), J. DeMyer, 2230
 Maplewood; SO. JERSEY (Philadelphia),
 L. Cavileer, 1223 Keswick Ave., Haddon
 Heights, N.J.; LAKES (Minneapolis), L.
 L. Lundberg, 1020 Lowry Ave. North;
SO. CALIF (Los Angeles), A. Balbi, 1328
 Angelus Ave., Los Angeles.

(Clip Out)

SUBSCRIPTION BLANK
INTERNATIONAL DX'ERS ALLIANCE
 Bloomington, Illinois

(Clip Out)

Herewith attached you will find \$1.50 for one year's dues in the International Dx'ers Alliance, including subscription to the GLOBE CIRCLER.

NAME _____ ADDRESS _____

CITY and STATE _____ COUNTRY _____

SHORT-WAVE BROADCASTING STATIONS

SYMBOLS: N-NEW stations; F- Frequency changes; S- Change in sked; J-Stations persisting in hopping about; V- varying in frequency; * See shortwave notes... Important English news periods are marked in list as NEWS... To make more space for schedules we are experimentally dropping the dial column, believing dial numbers can be marked in the left margin. What do you think?

METERS	MEGS.	CALL	STATION LOCATION	TIME-----EASTERN STANDARD
13.87	21.63	WRCA	New York City, N.Y.	12 noon-3:30pm to Latin America
13.92S	21.55	GST	London, England	5:40-11:45am to South America
13.93S	21.53	GSJ	London, England	5:40-11:45am
13.96S	21.50	WGEA	Schenectady, N.Y.	8-11am to Latin America
13.97	21.47	GSH	London, England	5:40-8:45am to Africa.

15.77	19.02	HS6PJ	Bangkok, Thailand	Mondays 8-10am.
16.18	18.54		Moscow, U.S.S.R.	1-1:30am (French), 6-6:30am (Eng.)
16.26	18.45	HBF	Geneva, Switzerland	Fri. 8:45-10:10am to Orient.
16.60N	18.065	PCV	Kootwijk, Holland	7:30-10am... NEWS- 9:30am. *
16.69S	17.97	KHE	Kahuku, Hawaii	Sun. 2:45-3, 5:30-6pm; Sat. 9-9:30pm.

16 METER BAND

16.82	17.845	DJH	Berlin, Germany	12:05-7:50, 8-11am.
16.82	17.845	JLS2	Tokio, Japan	4:30-5:30,
16.82S	17.84	EIRE	Athlone, Ireland	7:30-8:30, 9am-12:45pm... NEWS-12:30
16.82N	17.84	HT3X	Trujillo City, D.R.	6:30-8:30pm. *
16.83S	17.83	WCBX	New York City, N.Y.	8am-3:35pm; Sun. 8am-4:30pm to Eur.
16.84	17.82	2RO8	Rome, Italy	4:30-4:55, 5-7:15, 7:20-8:45, 8:45-9, 9-9:25, 9:30-10:50, 3-5:30, 6-7:55pm, 8:05-10pm to NA, 10:05-10:15pm.... NEWS- at 9:45pm. (NEWS- 8, 11am. 7:15-8:45, 9-11:30am, 2-3:30pm to NA 12:55-1:45am to Western No. America
16.85	17.81	GSV	London, England	12 noon-6pm.
16.85S	17.80	VLQ8	Sydney, Australia	5:40-11:45am to Asia.
16.85S	17.80	WLWO	Cincinnati, Ohio	12 noon-6pm.
16.86S	17.79	GSG	London, England	5:40-11:45am to Asia.
16.87N	17.785	JZL	Tokio, Japan	7-7:30pm (Japanese) *
16.87	17.78	WNBI	New York City, N.Y.	8am-4, 4-8pm.
16.89	17.76	DJE	Berlin, Germany	12:05-11am.

19 METER BAND

19.35	15.50		Moscow, U.S.S.R.	1:07-1:30pm (French)
19.47	15.41	RV96	Moscow, U.S.S.R.	8:20-9pm (Spanish) to S.A.
19.53	15.36	DZG	Berlin, Germany	11:30am-12:30pm (Arabic)
19.57S	15.33	WGEA	Schenectady, N.Y.	11:15am-6pm to Europe
19.57	15.33	KGET	San Francisco, Calif	6:30-11:15pm to Latin America.
19.59	15.315	YDB	Soerabaja, Java	10:30pm-2am; Sat. 7:30pm-2am.
19.59	15.315	VLQ3	Sydney, Australia	6:10-7:00pm to Eastern No. America.
19.60S	15.31	GSP	London, England	1:10-5:15, 5:40-7am, 2:15-5:25pm to NA... NEWS- 3:50, 4:45pm.
19.61	15.30	2RO6	Rome, Italy	1-2:30, 5-7:15, 10:35am-2:35, 3-5:30p
19.62	15.29	LRU	Buenos Aires, Argentina	6:15-7:15am.
19.62	15.29	VUD4	Delhi, India	1:30-2:30, 6:30am-12:30, 9:30-11:30p
19.63	15.28	DJQ	Berlin, Germany	12:05-11:10am.
19.64S	15.27	WLWO	Cincinnati, Ohio	9am-12 noon; Su/Tu/Wd/Fr 6-10pm; Mon/Thurs 6-11pm; Sat. 6:05-12 mid.
19.64S	15.27	WCAB	Philadelphia, Pa.	12-2pm, 2:15-3:45pm (ex. Sat/Sun), Sat. 12-5pm., Sun. 12-4:30p.m.
19.64S	15.27	WCBX	New York City, N.Y.	4-6pm (ex. Sat/Sun), Sun. 5-6pm.
19.66S	15.26	GSI	London, England	1:10-5:15, 5:40-11:45a.m. *
19.67S	15.25	WRUL	Boston, Mass.	3-5:30pm ex. Sat/Sun, Sat. 6-8:30pm.
19.68	15.24	YUF	Belgrade, Yugoslavia	7:55-8:50pm to S.A.
19.68	15.24	YUG	Belgrade, Yugoslavia	8:55-9:55pm to N.A.
19.68S	15.24	Y	Paris, France	10am-3:30pm, 4:50-11pm to N.A. *
19.70S	15.23	2RO14	Rome, Italy	11:15-11:40am, 12:15-1:10, 8:05-10, 10:05-10:15pm... NEWS- 9:45pm.
19.71	15.22	PCJ2	Huizen, Holland	7:30am-10am... NEWS- 9:30am.
19.72S	15.21	WPIT	Pittsburgh, Pa.	6-8am.

19.74	15.20	DJB	Berlin, Germany	11:15-11:30am, 2:15-2:30, 3:30-4pm to NA; 4:50-11pm...NEWS- 11:15, 5:30-8:30am, 11:30pm. (2:15, 3:30pm. 7-8:05, 8:30-9:35pm to NA....NEWS 12:30-2, 6:30am-7pm. (7:30, 8:30pm 1:30-2:30, 3-4am, 1:30-2:30, 3-3:30, 4-6; 7-8 (Eng), 8-8:20 (Fr), 8:20-9 pm (Span) to NA...NEWS- 7pm.
19.74S	15.195	TAQ	Ankara, Turkey	
19.75	15.19	XGOX	Chungking, China	
19.75S	15.19	OIE	Lahti, Finland	
19.76S	15.18	RV96	Moscow, U.S.S.R.	
19.78S	15.17	TGWA	Guatemala, Guatemala	12:45-2:30pm to NA; Sun. 1:45-5:15p
19.78	15.17	LKV	Oslo, Norway	4:30-5:30pm to NA.
19.78	15.162	CP43	Cotagaita, Bolivia	4:30-9pm approx. (8-9pm to NA * 2-3, 7-9:30, 10-11am, 4:30-5:30pm. 1-4:30, 8-9pm to NA, Sun. 3am-4:30pm
19.79	15.16	JZK	Tokio, Japan	4:30-10:30am; 6-9pm.
19.80	15.155	SBT	Motala, Sweden	Sat. 5-5:45pm to NA.
19.81	15.15	YDC	Bandoeng, Java	1:10-5:15, 9:00-11:45, 11:55am-5:25, 6:30-9:15pm. (12 noon
19.81	15.15	OAX4R	Lima, Peru	6-8, 8:15-11pm ex. Sa/Sun, Sun. 11am
19.82S	15.14	GSF	London, England	Sun. 7-8:30pm; Tu. 8-9, 10-10:30am, Wed. 2:30-3pm.
19.83S	15.13	WRUW/WRUL	Boston, Mass.	12:05-2, 6-9am, 4:50-11pm to NA.... NEWS- 6:30, 8:15am, 6, 8:15, 10:30p 3-5:30am.
19.84	15.12	HVJ	Vatican City	11:45am-12, 12:30-1:30, 3-3:30; 6-7 to SA; 7-8 (Eng), 8-8:20pm (Fr) to NA...NEWS- 7pm.
19.85	15.11	DJL	Berlin, Germany	
19.85N	15.10	EPB	Teheran, Iran	
19.95	15.04	RKI	Moscow, U.S.S.R.	
20.07	14.935	PSE	Rio de Janeiro, Brazil	Wed. 4-4:30pm, Th/Sat 3-3:30pm.
20.38S	14.717		Moscow, U.S.S.R.	6-6:30, 7:30-8, 11-11:30am, 12:30-1pm
20.55	14.600	JVH	Tokio, Japan	10-11pm.
20.64	14.535	HBJ	Geneva, Switzerland	Mon/Wed 8:45-10:10pm to NA, 1st Su of each month 12:45-2:10am. 4:50-10:50pm to C.A.
20.75	14.46	DZH	Berlin, Germany	
24.02	12.49	HILN	Trujillo City, D.R.	11:40am-1:40, 7:10-9:10pm.
24.08	12.46	HCJB	Quito, Ecuador	7-8:15, 11:30am-2:30, 6-10pm.
24.94	12.05	FFZ	Shanghai, China	6-10am...NEWS- 8am.
25 METER BAND				
25.00S	12.00	RNE	Moscow, U.S.S.R.	6:30-7:30am, 4-6, 6-7pm to SA, 7-8pm (Eng), 8-8:20 (Fr), 8:20-9 (Span), 9- 9:30 (Ital), 9:30-10pm (Eng) to NA; also Suh. 7-7:30, 9-9:30am, 12-2:30pm
25.08	11.96		Anti-British Station	3:30-4, 4:30-5, Sun. 11:30am-12noon
25.12	11.945	CB1180	Santiago, Chile	6:30-8am, 4:50-11pm.
25.17S	11.92		Moscow, U.S.S.R.	3-3:30pm (Ital.), 4-4:30pm (Spanish)
25.17	11.92	XOJD	Hankow, China	6-8am.
25.22	11.895	XGOY	Chungking, China	5:15-8:55, 9:55-11, 11:05-11:25, 11:30 -11:50am, 12; -12:35, 2-4:20, 4:30-5:30, 8:15pm-1am. (11:30pm-1:05a
25.23S	11.89	WNBI	New York City, N.Y.	11am-12 noon to NA *
25.23N	11.89	KZRH	Manila, Philippines	2:30-4pm to No. Europe *
25.25S	11.88	VLQ7	Sydney, Australia	12:55-1:55pm to So. Europe *
25.27S	11.87	VLQ2	Sydney, Australia	From 4am on. Has anyone heard?
25.27	11.87	XMHA	Shanghai, China	8am-8:55pm.
25.27S	11.87	WPIT	Pittsburgh, Pa.	6:45-8am ex. Sun. Sun. 12 mid.-3am.
25.27S	11.87	WLWO	Cincinnati, Ohio	5:42-9:15pm to S.A.
25.30S	11.86	GSE	London, England	
25.30	11.855	PRF5	Rio de Janeiro, Brazil	5-8pm. Has anyone heard recently
25.32S	11.85	VLR3	Melbourne, Australia	5:15-pm-2:15am...NEWS- at 1:30am.
25.34	11.84	DXW	Prague, Bohemia	6-8:20pm.
25.36S	11.83	VUD4	Delhi, India	6:30am-12:30, 9:30-11:30pm. *
25.36	11.83	VLW3	Perth, W. Australia	2-5am, 5:30-9:15, 11pm-2am.
25.36N	11.83	VLR6	Melbourne, Australia	3:30-5:10pm. (-10:05 p.m.
25.36S	11.83	WCBX	New York City, N.Y.	6:30-9:30pm; Sat. 4-6:05pm; Sun. 6:30
25.37	11.825	CXA14	Colonia, Uruguay	3:30-9:05pm.
25.38	11.82	XEBR	Hermosillo, Mexico	10am-4, 8pm-12 mid.
25.38S	11.82	GSN	London, England	5:42-11:35pm to Latin America.

25.40S	11.81	2R04	Rome, Italy	3:30-3:45, 4:30-4:55, 9:30-10:50, 11am-2:35, 3-5:30, 6-7:55, 8:05-10pm to NA, 10:05-10:15pm...NEWS- 9:45pm.
25.42	11.80	COGF	Matanzas, Cuba	8am-10pm irreg.
25.42	11.80		Durban, So. Africa	3:30-11:30am.
25.42S	11.80	DJZ	Berlin, Germany	4:50-7pm to NA...NEWS- 6:00pm.
25.42	11.80	JZJ	Tokio, Japan	12-1:30am to NA, 7-9:30am, 2-4pm... NEWS- 12:03am.
25.45S	11.79	WRUL/WRUW	Boston, Mass.	3-6pm; Sun. 11am-noon, 7-8pm. (NA
25.46	11.785	MTCY	Hsinking, Manchukuo	9-10:55am, 4-4:50pm, 1:30-2:20am to
25.47S	11.78		Saigon, F. Indo-China	5:45-9:45, 10:30-11am to NA...NEWS 10:45am, 8-8:45pm.
25.47	11.78	OFE	Lahti, Finland	11am-5pm...NEWS- 1:15, 4:15pm.
25.48	11.775	HP5G	Panama City, Panama	12-1:30, 6-10pm; Sun. 9am-12 noon.
25.49S	11.77	DJD	Berlin, Germany	7:15-11pm to NA...NEWS-8:15, 10:30p
25.51S	11.76	2R015	Rome, Italy	10:35-11:30am, 12:15-1:10, 1:15-3:45, 5:30-6, 8:05-10pm to NA, 10:05-10:15 9-11:45, 11:55-5:25, 5:42-11:35pm to NA...NEWS- 5:45, 8, 8:45, 11:30pm.*
25.53S	11.75	GSD	London, England	6-11pm. (8:30p
25.55	11.74	CB1174	Santiago, Chile	Sun/Thurs 8:30-9pm to NA; Thurs. 8-
25.55	11.74	HVJ	Vatican City	4:30-5:30pm to NA.
25.57	11.735	LKQ	Oslo, Norway	8:15-11pm ex. Sat/Sun
25.58S	11.73	WRUW/WRUL	Boston, Mass.	12:30-1:20, 4:55-5am. (10pm
25.59	11.725	JVW3	Tokio, Japan	7pm-1am; Sun. 7-11pm...NEWS- 7:30,-
25.60S	11.72	CJRX	Winnipeg, Canada	4-7:50pm; Sat/Sun 11am-6pm.
25.60	11.72	ZP14	Villarrica, Paraguay	8-10am ex. Mon...NEWS- 8:55am. *
25.60	11.72	HSP5	Bankkok, Thailand	12-1, 4:30-6:30am, 12-4pm; Su
25.62	11.718	CR7BH	Lourenco, Marques, Mozambique	5-7, 10am-2pm.
25.62	11.71	YSM	San Salvador, El Salvador	1-2, 7-9:30pm.
25.62S	11.71	RIA	Moscow, U.S.S.R.	1-1:30, 3-5:30pm
25.62	11.71	CXA19	Montevideo, Uruguay	6-8 or 9pm. (NA
25.63	11.705	SBP	Montala, Sweden	1-4:15 (Sun. 3am-4:30pm), 8-9pm to-
25.64	11.70	HP5A	Panama City, Panama	7-10:40am, 5-10:45pm; Su. 6-10:45pm.
25.64	11.70	IQY	Rome, Italy	5:20-5:40am, 1:50-2:30pm.
25.68	11.68	KIO	Kahuka, Hawaii	Sat. 9-9:30pm.
25.71	11.67	PRA9	Rio de Janeiro, Brazil	7-11pm.
25.77	11.64	XGOK	Canton, China	5-7am irreg., 7-9am...NEWS- 8:10am
25.77S	11.64		Moscow, U.S.S.R.	12:30-1am, 1-1:30, 4-4:30pm.
25.93	11.57	COK	Havana, Cuba	12 noon-11:30pm.
25.93	11.57	COCQ	Havana, Cuba	Irreg.
26.09S	11.500		Moscow, U.S.S.R.	6-6:25am (English), 6:25-7am (Fr.)
26.16N	11.47	CMEC?	Havana, Cuba	3pm-1am approx. *
26.31	11.402	HBO	Geneva, Switzerland	Mon/Wed 6:45-8:10, 8:45-10:10pm, Tues/Sat 12:45-2:10pm.
26.35N	11.383		Paramaribo, Dutch Guiana	6:30-8:30pm *
27.17S	11.04	CSW3	Lisbon, Portugal	12 noon-3 (Sun. to 4:45) to Angola
27.27	11.00	PLP	Bandoeng, Java	4:30-10:30am or later, 6-9, 10:30pm-
27.39	10.953	CR6BD	Benguela, Angola	2:30-4pm; Sun. 11am-noon. (-2am
28.30	10.60	ZIK2	Belize, Brit. Honduras	Tu/Th/Sat 1:30-2, 8:30-9pm.
28.45	10.543	DZD	Berlin, Germany	Irreg.
28.55	10.40	YSP	San Salvador, El Salvador	8:10-9am, 1-3, 6:30-11:30pm.
29.15	10.29	DZC	Berlin, Germany	4:50-10:50pm. (10:30pm-2am ex.S
29.24	10.26	PMN	Bandoeng, Java	4:30-11:30am, irreg. to 5pm, 6-9,-
29.35	10.22	PSH	Rio de Janeiro, Brazil	5:55-7pm; Mon. 8-8:30pm to N.A.
29.83	10.065	TIEM	San Jose, C.R.	4:30-8pm.
29.88	10.042	DZB	Podebrady, Bohemia	2:40-3:25pm.
30.12V	9.96		Dutch Freitsender	3-4pm. *
30.33	9.89	HH3W	Port-au-Prince, Haiti	12-2:15, 7-9pm; Sun. 12-2:15, 5-8pm.
30.43S	9.86	EAQ	Madrid, Spain	3:55-7:30-9:30pm; Sat. 1-3pm.
30.51	9.835	COCM	Havana, Cuba	8am-12 mid.; Sun. 8am-11pm.
30.57	9.815	IRF	Rome, Italy	5:20-5:40am, 1:50-2:30pm.
30.58	9.81	HJAG	Barranquilla, Colombia	From 8am on.
30.74V	9.76	XGSA	Ching Yuen, No. China	7-9am.

10

30.76S	9.755	ZRC	Durban, So. Africa	11:45pm-1:45, 3:30-11:30, 11:45am-4pm, Sun. 1:15-1:45, 3:55am-4pm.
30.80S	9.74	CSW7	Lisbon, Portugal	4:15-7, 7:05-9pm to N.A.
30.83	9.73	CB970	Valparaiso, Chile	7am-11:30pm intermittently
30.83	9.73	HJFK	Pereira, Colombia	7-9am.
30.85F	9.725		Anti-British Station	3:30-4, 4:30-5; Sun. 11:30am-noon.*
30.90F	9.71	CR7BE	Lourenco Marques, Mozambique	2-4pm ex. Sun. *
30.92S	9.705		Fort-de-France, Martinique	11:15am-12:45, 5:30-8pm. *
30.92	9.705	ZHP	Singapore, S.S.	4:40-10:10am; Wed/Sat 12:40-1:40am;
30.95	9.695	JIE3	Tyureki, Taiwan	9:05-10:20am (Sun. 5:40-10:10am./
30.96	9.69	TI4NRH	Heredia, Costa Rica	Tu/Th/Sat 9-10pm.
30.96S	9.69	GRX	London, England	12-6, 6:20-8, 10:55pm-5am.
30.96	9.688	LRAL	Buenos Aires, Argen.	10:30am-1, 2:30-3:30, 4-9pm.
30.98	9.685	TGWA	Guatemala, Guatemala	10-11:30pm ex. Sun; 7pm-12 mid.
30.99	9.68	XEQQ	Mexico D.F., Mexico	9:55am-12:45am.
30.99	9.68	EQC	Teheran, Iran	8:45-11:45am. (-11am to NA
30.99S	9.68	VLQ5	Sydney, Australia	7:25-8am to Ea. N.A., 8:10-9:45, 1025

31 METER BAND

31.02S	9.67	WRCA	New York City, N.Y.	4pm-1am. to S.A.
31.02	9.67	KGEI	San Francisco, Calif.	12 mid.-3, 7am-12 noon to Asia.
31.03	9.667	2R09	Rome, Italy	1:15-3:45, 5:30-6, 7-7:40pm.
31.06	9.66	LRX	Buenos Aires, Argen.	10:15am-10pm.
31.06	9.66	HVJ	Vatican City	Sun. 5-5:30am (French)
31.08FS	9.655	VLW4	Perth, W. Australia	11:55am-12:30pm to So. Africa.
31.09	9.65	I2AA	Addis Ababa, I.E.A.	3:30-5:30, 8am-2:30pm.
31.09S	9.65	DJW	Berlin, Germany	12-2:30am, 4:50-10:50pm to S.A.
31.09S	9.65	WCBX	New York City, N.Y.	1000-11:30pm ex. Sa/Su, Sat 6:30-11:30pm, Sun. 10:30-11:30pm.
31.11S	9.645	VLW2	Perth, W. Australia	6-10:15am, 12-11:30pm, Sun. 7am-1215,
31.17	9.625	XGOY	Chungking, China	9-9:45am to NA... (1-10:30pm
31.12	9.64	CXA8	Colonia, Uruguay	5-11pm; Sat. to mid.
31.14	9.635	KZRH	Manila, Philippines	5pm-11am.
31.14S	9.63	2R03	Rome, Italy	1-2:30am, 1:15-2:50, 3-5:30, 6-7:55, 8:05-10pm to NA, 10:05-10:15pm.....
31.15	9.63	JFO	Taihoku, Taiwan	4-10:30am. NEWS-9:45pm
31.15	9.63	HJCT	Bogota, Colombia	10am-2, 5:15-11:30pm.
31.17	9.625	CXA6	Montevideo, Uruguay	10:30am-12:30, 3:30-9pm.
31.19	9.62	TIPG	San Jose, C.R.	7-9:30am, 12-2, 7-11:30pm.
31.21S	9.615	ZRL	Capetown, So. Africa	11:45pm-1:45am, 3:15-11:45am, Sun. 1:15-1:45, 3:30-11:45am.
31.21S	9.615	VLQ	Sydney, Australia	5:55-6:30, 6:40-7:15am.
31.22	9.61	DXB	Berlin, Germany	11am-4:50, 7pm-1am to NA... NEWS-8:15, 10:30pm, 12 mid.
31.23V	9.607	HP5J	Panama City, Panama	7-8am, 12-1:30, 6:30-10:30pm.
31.25S	9.60	RAN	Moscow, U.S.S.R.	5-7, 7-8 (Eng), 8-8:20 (Fr), 8:20-9 (Span), 9-9:30 (Ital), 9:30-10pm (Eng) to NA... NEWS-7, 9:30pm.
31.25	9.60	CB960	Santiago, Chile	7-8am, 8-11pm. (pm
31.28S	9.59	WCAB	Philadelphia, Pa.	4-5:25, 5:30-7 ex. Sa/Su, Sun. 4:35-9
31.28S	9.59	WLWO	Cincinnati, Ohio	Su/Tu/Wd/Fr 9pm-2am, Mon/Th 10pm-2a
31.28	9.59	VUD2	Delhi, India	1:30-3:30, 6:30am-12:30pm, 9:30-11pm
31.32S	9.59	VLR	Melbourne, Australia	2:30-9am, Sun. 2:30-8am. *
31.32S	9.58	GSC	London, England	11:55am-5:25, 5:42-11:35pm to NA.. NEWS- 5:45, 8, 8:45, 11:30pm.
31.35	9.57	KZRM	Manila, Philippines	5:30pm-10:30am.
31.35	9.57	WBOS	Boston, Mass.	3pm-2am.
31.35	9.57	CXA2	Montevideo, Uruguay	11am-4, 4:30-9:30pm.
31.37	9.562	OAX4T	Lima, Peru	11:30am-1:30pm.
31.38	9.56	DJA	Berlin, Germany	12-2:30am, 9am-10:50pm.
31.38	9.555	XETA	Monterrey, Mexico	8:45am-12 mid.
31.40	9.55	YDB	Soerabaja, Java	4:30-10:30am, 6-9, 10:30pm-2am.
31.40	9.55	VUB2	Bombay, India	1:30-3:30, 5-6am, 9:30-10:30pm.
31.41S	9.55	WGEA	Schenectady, N.Y.	6:15-9:15pm to Latin America.
31.43	9.545	MTCY	Hsinking, Manchukuo	9:30-10:55am.
31.47	9.535	SBU	Motala, Sweden	4:30-5pm.

31.49	9.536	YFDE	Suva, Fiji's	12-12:30, 3:50-5am...NEWS- 4am.
31.483	9.53	WJEO	Schenectady, N.Y.	3pm-12 mid.
31.48	9.528	YUC2	Calcutta, India	2-4am, 10pm-2am.
31.508	9.525	ZHW3	Hongkong, Hongkong	5-9:30am, 11:30pm-1:15am.
31.508	9.523	ZRG	Johannesburg, So. Africa	3:15-7, 9:30am-11, Sun. 3am-noon.
31.508	9.52	RV96	Moscow, U.S.S.R.	1:30-2:30am, 1:30-6pm.
31.568	9.51	GSB	London, England	11:55am-5:25, 6:30-11:35pm to S.A.
31.57	9.502	KZ18	Manila, Philippines	4-10am; 1-2:40am ex. Fri/Sat.
31.617	9.49	XENW	Montevideo, Uruguay	7:45am- 1:45am.
31.63	9.485	CXA5	Ankara, Turkey	7-8:20pm irreg. (Wed. 6:07-6:27pm)
31.708	9.465	TAP	Guayaquil, Ecuador	1-3:30 or 4:30pm; Sun. 5:50-8:10; -
31.77	9.445	HCODA	Ica, Peru	8:15-10:15pm ex. Sundays.
31.81	9.43	OAX5C	Havana, Cuba	7-11:30pm.
31.88	9.41	COCH	Havana, Cuba	6:40am-12 mid.
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32.06	9.38	COBC	Quito, Ecuador	7am-12 mid; Sun. 7am-10:30pm.
32.07	9.355	HCETC	Lima, Peru	7:45-10:15pm; Sun. 3-5pm.
32.12	9.34	OAX4J	Shanghai, China	8-9am, 12-3, 5pm-12 mid.
32.26	9.30		Trujillo City, D.R.	8-8:30am...NEWS- 8:15am.
32.28	9.295	HI2G	Rio de Janeiro, Brazil	7:10-8:40, 11:40am-2:10, 7:10-9:40pm
32.59	9.205	PYA2	Havana, Cuba	5-6:55pm.
32.61	9.20	COCX	Guayaquil, Ecuador	8am-12 mid.
32.63	9.195	HC2ET	Budapest, Hungary	8pm-12:30am, Sun. 8:30-10:30pm.
32.86	9.125	HAT4	Guayaquil, Ecuador	6-7:20, 7:30-9pm to N.A.
32.97J	9.10	HC2CW	Havana, Cuba	11am-1, 7-11pm.
33.22	9.03	COBZ	Algiers, Algeria	7:45am-12 mid.; Sun. 7:45am-1am.
33.48	8.96	TPE2	Santiago, Cuba	Tues. 12:30-1:30pm.
33.48	8.96	COKD	Havana, Cuba	6:42am-12 mid. irreg.
33.90V	8.85	COOQ	Havana, Cuba	6:50am-1am.
34.48	8.70	COCO	Camaguey, Cuba	7:30am-12 mid.
34.62	8.665	COJK	Kweichow, China	11:30am-12:30, 3:30-7, 8-8:30pm.
35.42	8.47	XPSA	Canton, China	5:30-11:10am, 4:30-5:30pm.
37.27	8.05	XGOK	Bangkok, Thailand	5-7am irreg.
37.65	7.968	HSP6	San Salvador, El Salvador	Off air at present.
38.00	7.894	YSD	Quito, Ecuador	7-10:30am.
38.12	7.87	HC1RB	Cairo, Egypt	8:30-11:30pm.
38.15	7.865	SUX	Guayaquil, Ecuador	12:30-3:30pm (Arabic)
38.20	7.854	HC2JSB	Tirana, Albania	11am-2, 4-11pm.
38.25	7.85	ZAA	Belen, Cuba	6:30-8am (Su. 6:30-8:30am)
38.98	7.805	COLB	Leon, Nicaragua	12:15-1pm.
39.16	7.66	YNDG	Moscow, U.S.S.R.	8:30-9:30am ex. Sundays.
39.78S	7.545		Tenerife, Canarias	1:35-2 (Finnish), 4-6pm.
40.05	7.49	EAJ43	Pointe-a-Pitre, Guadeloupe	7-8pm.
40.30	7.445	FOBAH		6-7:10pm; Sun. 9:30-11am.
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41 METER BAND				
41.13	7.295	JIE	Tyurei, Taiwan	9:05-10:20am.
41.15	7.29	DJI	Berlin, Germany	5-5:30pm (English)
41.19	7.285	YN1IP	Managua, Nicaragua	Sunday 10-11am.
41.21N	7.28		Noumea, New Caledonia	3:30-4pm (French)
41.32	7.26	TG5JG	Guatemala, Guatemala	Broadcasts to 11pm.
41.38	7.25	YDA	Bandoeng, Java	10:30pm-2am; Sat. 7:30pm-2am.
41.44	7.24	DXJ	Berlin, Germany	8-8:15, 8:15-8:30pm (English) (am
41.49	7.23	GSW	London, England	5:40-11:30am, 12-6, 6:20-8, 10:55pm-5
41.55	7.22	YDX	Medan, Sumatra	6-10:30am; 10:30pm-2am.
41.55	7.22	EAJ9	Malaga, Spain	4-6pm.
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42.24	7.10	FORAA	Papeete, Tahiti	Tues/Fri 11pm-2 mid.
42.96	6.985	VQP	Kuching, Sarawak	Fridays at 7:10pm.
43.67	6.87	YNOW	Managua, Nicaragua	7-10pm.
43.73	6.86	YNOP	Managua, Nicaragua	8-9:30pm; Sun. 2-3pm.
44.12	6.80	PZH	Paramaribo, D. Guiana	Tues/Fri 5:40-8:40pm; Su. 8:40-1040 am; 1st & 3rd Thurs. 6:40-8:40pm.
44.22	6.784	SUR	Cairo, Egypt	12:30-3:30pm.
44.25	6.78	H1H	San Pedro, D.R.	7-8pm; Su. 5:20-6:40pm.
44.38	6.76	YHRS	Managua, Nicaragua	6:40-10:40pm.

10				
30.76S	9.755	ZRC	Durban, So. Africa	11:45pm-1:45, 3:30-11:30, 11:45am-4pm, Sun. 1:15-1:45, 3:55am-4pm.
30.80S	9.74	CSW7	Lisbon, Portugal	4:15-7, 7:05-9pm to N.A.
30.83	9.73	CB970	Valparaiso, Chile	7am-11:30pm intermittently
30.83	9.73	HJFK	Pereira, Colombia	7-9am.
30.85F	9.725		Anti-British Station	3:30-4, 4:30-5; Sun. 11:30am-noon.*
30.90F	9.71	CR7BE	Lourenco Marques, Mozambique	2-4pm ex. Sun. *
30.92S	9.705		Fort-de-France, Martinique	11:15am-12:45, 5:30-8pm. *
30.92	9.705	ZHP	Singapore, S.S.	4:40-10:10am; Wed/Sat 12:40-1:40am;
30.95	9.695	JIE3	Tyureki, Taiwan	9:05-10:20am (Sun. 5:40-10:10am./
30.96	9.69	TI4NRH	Heredia, Costa Rica	Tu/Th/Sat 9-10pm.
30.96S	9.69	GRX	London, England	12-6, 6:20-8, 10:55pm-5am.
30.96	9.688	LRA1	Buenos Aires, Argen.	10:30am-1, 2:30-3:30, 4-9pm.
30.98	9.685	TGWA	Guatemala, Guatemala	10-11:30pm ex. Sun; 7pm-12 mid.
30.99	9.68	XEQQ	Mexico D.F., Mexico	9:55am-12:45am.
30.99	9.68	EQC	Teheran, Iran	8:45-11:45am. (-11am to NA
30.99S	9.68	VLQ5	Sydney, Australia	7:25-8am to Ea. N.A., 8:10-9:45, 1025

31 METER BAND

31.02S	9.67	WRCA	New York City, N.Y.	4pm-1am. to S.A.
31.02	9.67	KGEI	San Francisco, Calif.	12 mid.-3, 7am-12 noon to Asia.
31.03	9.667	2RO9	Rome, Italy	1:15-3:45, 5:30-6, 7-7:40pm.
31.06	9.66	LRX	Buenos Aires, Argen.	10:15am-10pm.
31.06	9.66	HVJ	Vatican City	Sun. 5-5:30am (French)
31.08FS	9.655	VLW4	Perth, W. Australia	11:55am-12:30pm to So. Africa.
31.09	9.65	I2AA	Addis Ababa, I.E.A.	3:30-5:30, 8am-2:30pm.
31.09S	9.65	DJW	Berlin, Germany	12-2:30am, 4:50-10:50pm to S.A.
31.09S	9.65	WCBX	New York City, N.Y.	1000-11:30pm ex. Sa/Su, Sat 6:30-11:30pm, Sun. 10:30-11:30pm.
31.11S	9.645	VLW2	Perth, W. Australia	6-10:15am, 12-11:30pm, Sun. 7am-1215,
31.17	9.625	XGOY	Chungking, China	9-9:45am to NA... (1-10:30pm
31.12	9.64	CXA8	Colonia, Uruguay	5-11pm; Sat. to mid.
31.14	9.635	KZRH	Manila, Philippines	5pm-11am.
31.14S	9.63	2RO3	Rome, Italy	1-2:30am, 1:15-2:50, 3-5:30, 6-7:55, 8:05-10pm to NA, 10:05-10:15pm.... 4-10:30am. NEWS-9:45pm
31.15	9.63	JFO	Taihoku, Taiwan	10am-2, 5:15-11:30pm.
31.15	9.63	HJCT	Bogota, Colombia	10:30am-12:30, 3:30-9pm.
31.17	9.625	CXA6	Montevideo, Uruguay	7-9:30am, 12-2, 7-11:30pm.
31.19	9.62	TIPG	San Jose, C.R.	11:45pm-1:45am, 3:15-11:45am, Sun. 1:15-1:45, 3:30-11:45am.
31.21S	9.615	ZRL	Capetown, So. Africa	5:55-6:30, 6:40-7:15am.
31.21S	9.615	VLQ	Sydney, Australia	11am-4:50, 7pm-1am to NA... NEWS-8:15, 10:30pm, 12 mid.
31.22	9.61	DXB	Berlin, Germany	7-8am, 12-1:30, 6:30-10:30pm.
31.23V	9.607	HP5J	Panama City, Panama	5-7, 7-8 (Eng), 8-8:20 (Fr), 8:20-9 (Span), 9-9:30 (Ital), 9:30-10pm (Eng) to NA... NEWS-7, 9:30pm.
31.25S	9.60	RAN	Moscow, U.S.S.R.	7-8am, 8-11pm. (pru
31.25	9.60	CB960	Santiago, Chile	4-5:25, 5:30-7 ex. Sa/Su, Sun. 4:35-9
31.28S	9.59	WCAB	Philadelphia, Pa.	Su/Tu/Wd/Fr 9pm-2am, Mon/Th 10pm-2a
31.28S	9.59	WLWO	Cincinnati, Ohio	1:30-3:30, 6:30am-12:30pm, 9:30-11pm
31.28	9.59	VUD2	Delhi, India	2:30-9am, Sun. 2:30-8am. *
31.32S	9.59	VLR	Melbourne, Australia	11:55am-5:25, 5:42-11:35pm to NA..
31.32S	9.58	GSC	London, England	NEWS- 5:45, 8, 8:45, 11:30pm. 5:30pm-10:30am.
31.35	9.57	KZRM	Manila, Philippines	3pm-2am.
31.35	9.57	WBOS	Boston, Mass.	11am-4, 4:30-9:30pm.
31.35	9.57	CXA2	Montevideo, Uruguay	11:30am-1:30pm.
31.37	9.562	OAX4T	Lima, Peru	12-2:30am, 9am-10:50pm.
31.38	9.56	DJA	Berlin, Germany	8:45am-12 mid.
31.38	9.555	XETA	Monterrey, Mexico	4:30-10:30am, 6-9, 10:30pm-2am.
31.40	9.55	YDB	Soerabaja, Java	1:30-3:30, 5-6am, 9:30-10:30pm.
31.40	9.55	VUB2	Bombay, India	6:15-9:15pm to Latin America.
31.41S	9.55	WGEA	Schenectady, N.Y.	9:30-10:55am.
31.43	9.545	MTCY	Hsinking, Manchukuo	4:30-5pm.
31.47	9.535	SBU	Motala, Sweden	

31.47	9.335	VYDZ	Suva, Fiji's	12-12:30, 3:50-5am...NEWS- 4am.
31.488	9.53	WJZO	Schenectady, N.Y.	3pm-12 mid.
31.49	9.528	VUCZ	Calcutta, India	2-4am, 10pm-2am.
31.508	9.525	ZHW3	Hongkong, Hongkong	5-9:30am, 11:30pm-1:15am.
31.508	9.523	ZRG	Johannesburg, So. Africa	3:15-7, 9:30am-11, Sun. 3am-noon.
31.508	9.52	HY96	Moscow, U.S.S.R.	1:30-2:30am, 1:30-6pm.
31.548	9.51	GSD	London, England	11:55am-5:25, 6:30-11:35pm to S.A.
31.57	9.502	KEIB	Manila, Philippines	4-10am; 1-2:40am ex. Fri/Sat.
31.617	9.49	LEW9	Mexico D.F., Mexico	7:45am-1:45am.
31.63	9.486	CXAS	Montevideo, Uruguay	7-8:20pm irreg. (Wed. 6:07-6:27pm)
31.708	9.465	TAP	Ankara, Turkey	1-3:30 or 4:30pm; Sun. 5:50-6:10; -
31.77	9.445	HOODA	Guayaquil, Ecuador	8:15-10:15pm ex. Sundays.
31.81	9.43	QAZ5C	Ica, Peru	7-11:30pm.
31.88	9.41	COCH	Havana, Cuba	6:40am-12 mid.

32.05	9.36	COBC	Havana, Cuba	7am-12 mid; Sun. 7am-10:30pm.
32.07	9.356	HCNYC	Quito, Ecuador	7:45-10:15pm; Sun. 3-5pm.
32.12	9.34	QAZ4J	Lima, Peru	8-9am, 12-3, 5pm-12 mid.
32.26	9.30		Shanghai, China	8-8:30am...NEWS- 8:15am.
32.28	9.296	HI2G	Trujillo City, D.R.	7:10-8:40, 11:40am-2:10, 7:10-9:40pm
32.59	9.205	PTA2	Rio de Janeiro, Brazil	5-5:55pm.
32.61	9.20	COCK	Havana, Cuba	8am-12 mid.
32.63	9.195	HCZET	Guayaquil, Ecuador	8pm-12:30am, Sun. 8:30-10:30pm.
32.66	9.125	HAT4	Budapest, Hungary	6-7:20, 7:30-9pm to N.A.
32.97J	9.10	HC2CW	Guayaquil, Ecuador	11am-1, 7-11pm.
33.22	9.08	COBZ	Havana, Cuba	7:45am-12 mid.; Sun. 7:45am-1am.
33.48	8.96	TPZ2	Algiers, Algeria	Tues. 12:30-1:30pm.
33.48	8.96	COKJ	Santiago, Cuba	6:42am-12 mid. irreg.
33.90V	8.85	COCQ	Havana, Cuba	6:50am-1am.
34.48	8.70	COCO	Havana, Cuba	7:30am-12 mid.
34.62	8.665	COJK	Camaguey, Cuba	11:30am-12:30, 3:30-7, 8-8:30pm.
35.42	8.47	XPSA	Kweichow, China	5:30-11:10am, 4:30-5:30pm.
37.27	8.05	XOOK	Canton, China	5-7am irreg.
37.65	7.968	HSP6	Bangkok, Thailand	Off air at present.
38.00	7.894	YSD	San Salvador, El Salvador	7-10:30am.
38.12	7.87	HC1RB	Quito, Ecuador	8:30-11:30pm.
38.15	7.865	SUX	Cairo, Egypt	12:30-3:30pm (Arabic)
38.20	7.854	HC2J3B	Guayaquil, Ecuador	11am-2, 4-11pm.
38.25	7.85	ZAA	Tirana, Albania	6:30-8am (Su. 6:30-8:30am)
38.98	7.695	COLB	Belen, Cuba	12:15-1pm.
39.16	7.66	YWDC	Leon, Nicaragua	8:30-9:30am ex. Sundays.
39.76S	7.545		Moscow, U.S.S.R.	1:35-2 (Finnish), 4-6pm.
40.05	7.49	RAJ43	Tenerife, Canarias	7-8pm.
40.30	7.445	FG6AH	Pointe-a-Pitre, Guadeloupe	6-7:10pm; Sun. 9:30-11am.

41 METRE BAND

41.13	7.295	JIE	Tyureki, Taiwan	9:05-10:20am.
41.15	7.29	DJI	Berlin, Germany	5-5:30pm (English)
41.19	7.285	YK1IP	Managua, Nicaragua	Sunday 10-11am.
41.21N	7.28		Noumea, New Caledonia	3:30-4pm (French)
41.32	7.26	TGSJG	Guatemala, Guatemala	Broadcasts to 11pm.
41.38	7.25	YDA	Bandoeng, Java	10:30pm-2am; Sat. 7:30pm-2am.
41.44	7.24	DXJ	Berlin, Germany	8-8:15, 8:15-8:30pm (English) (am
41.49	7.23	GSW	London, England	5:40-11:30am, 12-6, 6:20-8, 10:55pm-5
41.55	7.22	YDX	Medan, Sumatra	6-10:30am; 10:30pm-2am.
41.55	7.22	RAJ9	Malaga, Spain	4-6pm.

42.34	7.10	FG6AA	Papeete, Tahiti	Tues/Fri 11pm-2 mid.
42.96	6.965	VQF	Kuching, Sarawak	Fridays at 7:10pm.
43.67	6.87	YKOW	Managua, Nicaragua	7-10pm.
43.73	6.86	YNOP	Managua, Nicaragua	8-9:30pm; Sun. 2-3pm.
44.12	6.80	PZH	Paramaribo, D. Guiana	Tues/Fri 5:40-8:40pm; Su. 8:40-1040 am; 1st & 3rd Thurs. 6:40-8:40pm.
44.22	6.784	SUR	Cairo, Egypt	12:30-3:30pm.
44.25	6.78	H1H	San Pedro, D.R.	7-8pm; Su. 5:20-6:40pm.
44.38	6.76	YHNS	Managua, Nicaragua	6:40-10:40pm.

12					
44.38	6.76	HI7P	Trujillo City, D.R.	7:10-8:40pm; Sun. 9:40-10:40pm.	
44.64	6.72	PMH	Bandoeng, Java	4:30-11am; Sun. 8:30pm-1:30am.	
44.81	6.695	TIEP	San Jose, C.R.	7pm-12 mid.	
49 METER BAND					
45.06	6.66	HI5G	Trujillo City, D.R.	To 8:40pm.	
45.22	6.635	HC2RL	Guayaquil, Ecuador	Sun. 5:45-7:45, Tu. 9:15-11:15pm.	
45.25	6.63	HIT	Trujillo City, D.R.	12:10-1:40, 4:40-8:40pm.	
45.39	6.61	YNLG	Managua, Nicaragua	1:30-2:30, 6-10:15pm.	
45.66	6.57	HH3W	Port-au-Prince, Haiti	1-2, 7-9pm; Sun. 5-8pm.	
45.70	6.565	HI5P	Puerto Plata, D.R.	5:40-7:40, 9:40-11:40pm.	
45.87	6.54	YN1GG	Managua, Nicaragua	1-2:30, 8-10pm ex. Sundays.	
46.15	6.50	HIL	Trujillo City, D.R.	12:30-2, 6-8pm ex. Sun.	
46.26	6.485	HILL	Santiago, d.l.c., D.R.	5:30-7:30pm ex. Sundays.	
46.37V	6.47	TGWB	Guatemala, Guatemala	7:45-9, 12:45-3:45, 7:30pm-12:15am, Sun. 10:30am, 5:15, 7pm-12 mid.	
46.48	6.455	COHI	Santa Clara, Cuba	6:42am-12:15am.	
46.66	6.43	HILS	Santiago, D.R.	5:40-9:10pm ex. Sundays.	
46.92	6.395	HI9B	Santiago, D.R.	7:40-8:40pm.	
46.95	6.39	TGQA	Quezaltenango, Guatemala	8-11pm; Sat. 8pm-1am, Sun. 7pm-3a	
46.99	6.384	ZIZ	Basseterre, St. Kitts,	4-4:45; Wed. 7-7:30pm.	
47.10	6.37	TIWS	Puntarenas, C.R.	4-11pm; Sun. 2-8pm.	
47.14	6.365	COCQ	Havana, Cuba	6:50am-1am.	
47.20	6.355	IAC	Rome, Italy	3-3:25pm.	
47.26	6.348	HRP1	San Pedro Sula, Honduras	6-7:30am, 6-10:30pm.	
47.32	6.34	HILX	Trujillo City, D.R.	8:10-10:10pm; Sun. 7:40-9:40am.	
47.36	6.335	OAX1A	Chiclayo, Peru	7:30-11:30pm.	
47.39	6.33	COCW	Havana, Cuba	7:55am-12:15am; Sun. 9:55am-12:05am	
47.54	6.31	HILZ	Trujillo City, D.R.	11:40am-12:40pm; 5:10-7:40pm.	
47.69	6.29	HILG	Trujillo City, D.R.	7:10-8:40, 11:40am-2:10, 3:40-9:40pm	
47.96	6.255	CPL2	La Paz, Bolivia	7-9pm.	
48.04	6.245	HILN	Trujillo City, D.R.	11:40am-1:40, 7:10-10:10pm.	
48.11	6.235	HRD	La Ceiba, Honduras	8-11pm; Sun. 4-6pm.	
48.31	6.21		Saigon, F. Indo-China	5:45-9:30, 10-11am, 6:35-7:15, 8-8:45p	
48.39	6.20	CP5	La Paz, Bolivia	6:15-8am, 6:30-11pm.	
48.39	6.20	TG2	Guatemala, Guatemala	7:30-10am, 6-11:30pm, Sa. 6pm-3am, -	
48.43	6.195	HI2D	Trujillo City, D.R.	5:10-7:10pm. (Sun. 3:00-8:00pm)	
48.47	6.19	HILA	Santiago, D.R.	10:40am-1:40, 6:40-9:40pm.	
48.47	6.19	EIRE	Athlone, Ireland	3:45-5:10pm...NEWS- 4:15pm.	
48.47	6.19	HVJ	Vatican City	2-3pm or later except Sundays.	
48.47	6.19	OAX4G	Lima, Peru	6pm-12:30am.	
48.51	6.185	TIRCC	San Jose, C.R.	Tu/Th/Sat 6-7pm; Sun. 8-10pm.	
48.54	6.18	LRA2	Buenos Aires, Argen.	6-9pm; Sat/Sun 7-9pm.	
48.54	6.18	XEXA	Mexico D.F., Mexico	8-11am, 2:30-4, 7:30pm-12:30am.	
48.62S	6.17		Schwarzenburg, Switzerland	3-4:30pm. *	
48.66	6.165	TILS	San Jose, C.R.	7:30-8:30am, 12-2:30, 6-11pm.	
48.70	6.16	HJCD	Bogota, Colombia	4-11pm.	
48.74	6.155	CSL?	Lisbon, Portugal	3-5:05pm. *	
48.74	6.155	EQB	Teheran, Iran	12 noon - 3pm.	
48.78	6.15	HI3C	La Romana, D.R.	4:55-6 or 8pm.	
48.81S	6.147	ZRD	Durban, So. Africa	11:45pm-1:45am, Sun. 1:15-1:45am.	
48.82	6.145	HJDE	Medellin, Colombia	9:30am-1, 5-11:30pm.	
48.86S	6.14	WPIT	Pittsburgh, Pa.	9-10pm.	
48.86	6.14	KZRF	Manila, Philippines	4:30pm-11am; Sun. 6pm-11am.	
48.88S	6.137	CR7AA	Lourenco Marques, Mozambique	3am-4pm; Sun. 3am-1:15pm.	
48.90	6.135	FK8AA	Noumea, New Caledonia	2:30-3:30am ex. Sundays.	
48.93	6.132	COCD	Havana, Cuba	9am-10:30pm, Sun. 5:30-8pm.	
48.93	6.132	CHNX	Halifax, N.S., Canada	7am-11:15pm; Sat. 8am-11:30pm.	
48.94	6.13	VP3BG	Georgetown, B. Guiana	3:45-7:45pm ex. Su; Su. 12-11pm.	
48.98	6.125	MTCY	Hsinking, Manchukuo	4-9am.	
49.00	6.122	HP5H	Panama City, Panama	6-10:30pm; to mid. irreg.	
49.02S	6.120	WCBX	New York City, N.Y.	12-2am.	
49.04	6.117	XEUZ	Mexico D.F., Mexico	9am-1, 7pm-2am.	
49.08	6.115	HI6H	Trujillo City, D.R.	9:40am-5:40pm.	
49.10S	6.110	GSL	London, England	6:10-8:45am, 12 noon-6pm.	
49.14	6.105	KZRC	Cebu, Philippines	4-9am, 5-7, 11pm-12 mid. & irreg.	

49.14	6.105	HJFB	Manizales, Colombia	5:30-10pm ex.Sun.
49.18	6.101	XOJD	Hankow, China	8-8:30am.
49.18	6.100	WNBI	New York City, N.Y.	8-9:15pm.
49.18	6.100	YUA	Belgrade, Yugoslavia	News in English at 4:15pm. *
49.20S	6.097	ZRK	Capetown, So. Africa	12:00-3:50pm;
49.20	6.097	ZRJ	Johannesburg, So. Africa	Not in use at present.
49.23	6.094	ZHJ	Penang, S.S.	5:40-8:40am ex. Sun.
49.25N	6.090	ZBW2	Hongkong, Hongkong	9:30-10am. *
49.25	6.090	ZNS2	Nassau, Bahamas	8-9am, 1:30-2, 6:30-11pm...NEWS- (8:15am.)
49.25	6.090	XEBF	Jalapa, Mexico	To 9:30pm.
49.32S	6.083	VQ7LO	Nairobi, Kenya	5:45-6:15am, 12-3pm.
49.33	6.082	OAX4Z	Lima, Peru	7pm-1:30am.
49.34	6.080	CRY9	Macao, Macao	Mondays 7:30-10am.
49.34S	6.08	CKFX	Vancouver, B.C., Canada	9:30am-3am, (Sun. to 4:30am) *
49.42	6.07	CFRX	Toronto, Canada	6:45am-12:30am; Sun. 10am-11pm.
49.46	6.065	SBO	Motala, Sweden	4:15-5pm.
49.50S	6.06	WCAB	Philadelphia, Pa.	9:15pm-2am; Sat. 5:30pm-2am.
49.55	6.054	HJFA	Pereira, Colombia	9am-noon, 6:30-11pm.
49.56S	6.05	GSA	London, England	5:40-11:30am, 12-6, 6:20-8, 9:30- 11:35pm to NA, 12-5am...NEWS-1130pm
49.56	6.05	HP5F	Colon, Panama	7-9pm.
49.63	6.045	XETW	Tampico, Mexico	7pm-1am.
49.66S	6.04	WRUL	Boston, Mass.	6-8:00pm; Sun. 7-8pm.
49.67	6.04	KZIB	Manila, Philippines	4-10am; 1-2:40am ex. Fri/Sat.
49.73	6.03	HP5B	Panama City, Panama	10:30am-2, 6-10pm.
49.75	6.03	CFVP	Calgary, Alta., Canada	10am-2am.
49.75	6.03	XEKW	Morelia, Mexico	Nightly to 11:40pm.
49.81	6.023	XEUW	Veracruz, Mexico	10pm-1am.
49.83	6.02	DJC	Berlin, Germany	11:30am-4:25pm.
49.83	6.02	HISU	Santiago, D.R.	7:10-8:55, 11:40am-1:40, 4:40-6:40pm
49.85	6.018	HJCX	Bogota, Colombia	7-8, 10:30am-2, 5:30-11:30pm.
49.92	6.01	PRA8	Pernambuco, Brazil	3:30-9pm.
49.92	6.01	CJCX	Sydney, Nova Scotia	7am-1:30, 8-11:30pm.
49.94	6.007	XYZ	Rangoon, Burma	6:30-10am, 9-11pm, Sa. 9:30-11:30pm.
49.94S	6.007	ZRH	Johannesburg, So. Afr.	11am-4pm; Sun. 12:15-3:50pm.
49.96	6.005	CFCX	Montreal, Canada	8am-1am; Sun. 9am-11:15pm.
49.96	6.005	XEBT	Mexico D.F., Mexico	10am-1:45am...NEWS- 12:20am.

50.12F	5.985	TI7RVM	La Junta Abangares, C.R.	Broadcasts to 11:40pm. *
50.25	5.97	H11J	San Pedro, D.R.	11:40am-1:40, 6:10-8:40pm.
50.25	5.97	VONG	St. John's, Nfld.	8:30am-12:30, 4:30-9:30pm ex.Sun.
50.47J	5.945	HH2S	Port-au-Prince, Haiti	6:30-10pm.
50.51	5.94	OAX2A	Trujillo, Peru	Tues/Wed/Sat/Sun 7-10pm.
50.54	5.936	PJCL	Curacao, D.W.I.	6:36-8:86pm.
50.95	5.90	ZNB	Mafeking, Bechuanaland	1-2:30pm; 6-7am ex.Sundays.
51.07	5.875	HRN	Tegucigalpa, Honduras	6-11pm; Sun. 6-9:30pm.
51.46	5.83	TIGPH/TIX	San Jose, C.R.	7:10-8am, 7-10pm, 10pm-12 mid.
52.26	5.74	YNJAT	Leon, Nicaragua	7-10:20pm.
52.40	5.725	HCLPM	Quito, Ecuador	Mon/Tues/Thurs/Sat 8-10pm.
58.31	5.14	PMY	Bandoeng, Java	5:30am-noon

60 METER BAND

59.58V	5.023	YV5RN	Caracas, Venezuela	4-11:30pm; Sun. 8:30-11:30am, 3:30-8 (pm)
59.76	5.02	YV4RQ	Puerto Cabello, Venez.	5-9pm.
59.88	5.01	YV5RM	Caracas, Venezuela	3:30-10:15pm; Sun. 8am-10:30pm.
60.12	4.99	YV3RX	Barquisimeto, Venez.	10am-9:30pm.
60.31	4.975	YV1RJ	Coro, Venezuela	5:30-10pm.
60.48	4.96	VUD2	Delhi, India	7:30am-12:30pm.
60.48	4.96	YV5RS	Caracas, Venezuela	4:30-9:30pm or later.
60.57	4.953	YV4RO	Valencia, Venezuela	11am-2, 5-10pm.
60.67	4.945	HJCW	Bogota, Colombia	7-8am, 7:30-11pm (Sat. to 11:40pm.)
60.73	4.94	YV5RO	Caracas, Venezuela	Signs-off at 10pm.
60.85	4.93	YV4RP	Valencia, Venezuela	5-10pm.
60.92	4.925	HJAP	Cartagena, Colombia	9am-1:30, 7-10:15pm ex.Sundays.
60.98	4.92	YV5RH	Caracas, Venezuel	6:30-7:30, 10:30am-1, 3:30-10pm.

Note: For balance of 60 meter band see June Globe Circler.

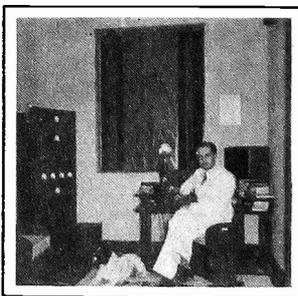
AMA-TOURING

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to reception on the
amateur bands.

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AMA-TOURING is a new department written exclusively for, and in the interests of, those dx'ers whose interest lies mainly in reception on the amateur bands. Foreign amateurs listed under each country are those being heard at present. Best hours for reception are given by continents, or by individual countries or stations. Tell your amateur or short-wave listener friends about AMA-TOURING.



PY2DA AND HIS RIG

REPORTS FOR AMA-TOURING: We invite all our readers to submit regular items for publication. Your report must reach ROGER LEGGE, on or before Oct. 12, for the NOVEMBER issue, and on or before Nov. 9, for the DECEMBER issue, and should be compiled as follows: Double space items and lines; divide items by continents and countries; give frequency and hour heard. Send new or changed QRA's, descriptions of interesting QSL cards and any other items of general interest. - Ed.

AMATEUR 20 METER PHONE BAND (14000-14400 mcs.)

(E.S.T.)

NORTH AND CENTRAL AMERICA

(E.S.T.)

ALASKA Heard 5 to 11 p.m. --- K7ENA (14.20), K7EVM (14.22), K7GJW (14.22), K7HAR (14.24), K7HCX (14.19) (RL, Roberts).

CANAL ZONE NY1AA (14.224) heard 6:30 to 8am, especially Sundays (Kriebel)

COSTA RICA TI2AM (14.03), TI2CV (14.035), TI2GG (14.14), TI2JC (14.13), TI4JSL (14.045), TI6HP (14.02) (Waite, Kriebel)

HAWAII Heard 9pm to 8am --- K6BHL (14.17), K6FKN (14.25), K6IQN (14.24), K6KQK (14.18), K6MXM (14.21), W3FYG/K6 (14.16), W6JDD/K6 (14.24), (Wells)..... Bob Meade is no longer op. at K6PIT having been transferred from the anti-aircraft to the air corps on the island of Kauai, where he will probably be on the air soon with a new call...K6OXT is now married and has moved to Wahiawa, Oahu (Fern)...QSL cards: K6SPS - green & black call on silver map of world; K6SRZ - light blue call on white; K6PAH - large red call on orange card.

ISLE OF PINES CM6XX (14.072), 16 watts, heard 7 to 9pm with strong signals. The usual op. is Arthur Rhodes, but reply card was returned signed by Hugo Dalertaf (Mann, Kriebel, RL)

PUERTO RICO K4GTH (14.24), K4GSG (14.2) heard evenings (Jones, Mann)

SALVADOR Heard 4pm to 2am --- YS1A (14.08), YS1ES (14.01), YS1JR (14.05), YS1JS (14.04), YS1MS (14.05), YS1RM (14.12), YS2RW (14.11), YS3PL (14.15) (Mann, Wells, Waite). YS3PL verified with white card with call in raised golden letters (Tavener)

SWAN ISLAND KD4GYM (14.23, 14.196), went on the air Sept. 7 for first time, now heard 9 to 11:30pm with fair strength, tho often qrm'd by W's. Has sked at 10pm with W1FH. Swan Island is a tiny barren isle in the Caribbean north of Honduras and west of Jamaica. The ops., Steve and George, are observers for the U.S. Weather station there. Xntrs is a 100 w. Hallicrafters HT-9. Receiver is RCA AR-77. Antenna is Vee Beam directed on Michigan. They have no QSL cards as yet, but promise stations contacted that cards will be sent later (Roberts, Mann, Meyers, RL, Zanna Kandle).

SOUTH AMERICA

Heard 4 to 11 p.m.

ARGENTINA LULDJU (14.04), LULDJY (14.03), LU2AS (14.02), LU2DJA (14.07), LU3HA (14.03), LU4HI (14.03), LU5EZ (14.00), LU6AJ (14.08), LU6DJ (14.08), LU7EH (14.09), LU7HF (14.00), LU9AA (14.11) (Kriebel, Waite).
BOLIVIA CP1EA (14.05), CP1F (14.00), CP6XF (14.05) heard 7 to 9pm (Kriebel, RL)...CP3AB qsl'd, sending Bolivian banknote, photo and stamps (Waite)
BRAZIL PY1DW (14.10), PY1GX (14.10), PY1HW (14.03), PY2ER (14.12), PY2HF (14.07), PY3DZ (14.10), PY3TB (14.14), PY4AB (14.11), PY4BK (14.11), PY4CA (14.11), PY4DJ (14.25), PY5CG (14.17), PY6AM (14.07), PY8GA (14.14), (Mann, RW)
CHILE CELAK (14.13), CE2CE (14.01), CE3BG (14.01), CE3EB (14.04), CE3FC (14.02), CE3FF (14.03), CE3FG (14.08), CE4AD (14.24) (Kriebel, Waite).
COLOMBIA HK1AC (14.06), HK3CM (14.04), HK3CY (14.14) (Kriebel).
PARAGUAY ZP5AA (14.01)(14.025) heard 7-9:30pm. Also operates on 7.033 and 7.279 mcs. The operator, Senora Maria Guanes, is xyl of ZP6AB (Kriebel, RL)
URUGUAY CX1AH (14.10), CX2AC (14.03), CX2BK (14.12), CX2CO (14.03), CX2CY (14.14), CX3CN (14.02), CX4AH (14.09), (Mann, Kriebel, RL)

AFRICA

ANGOLA CR6AF states that Angola amateurs were ordered off air in June. QSL mailed in Lobito June 30th, reached Lisbon Aug. 1, & received Aug. 16 (Jones)
KENYA VQ4CRE, 50 watts, qsl'd, apologizing for the late answer. He was ill in England when the report arrived (Tavener)
SPANISH MOROCCO EA9AI (14.06) is still heard occasionally 8 to 9pm. He is believed to be the only African amateur now operating (Wells, Mann).

ASIA AND OCEANIA

CANTON ISLAND WZDBR/KF6 (14.17, 14.23, 14.25) heard 10:30pm to 3am (RL, Waite, Wells). KP6JEG qsl'd by signing reply card and sending it on first flight of new Clipper. Card received 4 days after mailing (Jones)
GUAM KB6OCL (14.20, 14.23, 14.25) heard with strong signals 3 to 8am. New operator is Johnny Breeze, ex-W6RKU. He has been on the island 5 months, operating KB6OCL 4 months, and has 2½ years more to serve with the Marine Corps. Xmt. is 350 watt Collins with 3 wavelength long Vee beam directed to the States. The previous op., Johnny Reber, is now stationed in Peking, China (Wells, Kriebel).
JAPAN J2XA now has a new photographic QSL showing his home. He writes that he is mostly on 7.10 mcs. now because of lack of stations to contact on 20 meters (Wells). J2KJ, 400 watts, sent white card with large green call letters (RL).
JARVIS ISLAND KF6JEG/KG6 (14.18, 14.22, 14.25) heard 2 to 3am and also near 7:30am. He uses the 300 watt rig he operated on Canton Island (Jones)
JAVA PK3KT, heard making his first W contact, stated in QSL that he made only 8 W contacts before the PK's went off the air (Tavener)
JOHNSTON ISLAND K6MV/KE6 was on for a short time in August and then returned to Hawaii. He will leave for Johnston again on Oct. 4, and will stay there for several months (RL).
PHILIPPINE ISLANDS Heard 6 to 10 a.m. --- KALAK (14.09), KALAR (14.23), KALCD (14.09), KALCM (14.07), KALCW (14.13), KALJH (14.09), KALRX (14.09), KA4LH (14.14), KA7FS (14.13) (Mann, Jones, Kriebel, RL).
WAKE KC6OKS verified by airmail letter, postmarked Honolulu Aug. 23, on a Mackay Radio news bulletin form. The op., Bud Blaker, wrote "Was very glad to receive the report. The little rig here has been putting out pretty good, working all districts. This is a small island, about 2 by 3 miles, with maximum elevation of 14 ft., but in all its not a bad place, certainly good for ham radio. No locals around and no QRM except when someone turns on their razor. I'm using a 6 half-wave Vee beam directed to the States. The receiver is an S20R. I will send you a QSL card when I receive them." (Wells). KC6OKS expects to be back home in Oakland in Oct. (QST).
ANTARCTICA KC4USA (14.25) heard almost every night 8pm-2am with signal strength often up to R9. Usually strongest from 8 to 10pm. There are 33 men at the West Base, including 4 in the Snow Cruiser. KC4USB (14.288) heard around 7:30 to 11 p.m., with strength usually about 2 R's less than KC4USA. The expedition's flagship "North Star" will leave the U.S. the first part of Dec., go by way of Hawaii, Samoa and New Zealand to the West Base, arriving the first part of January. After loading is completed, the

ship will go to the East Base, and then return, via Valparaiso, Chile, then to the U.S., arriving about April (Roberts, Carlson, Jones, Mann, Wells, RL, Kriebel).

AMATEUR 10 METER PHONE BAND

(28000 - 30000 mcs.)

Heard 12 to 7 p.m. --- NY4AD (28.652), K4DSE (28.72), K4FAB (28.58), K4FCV (28.63), K4FOW (28.58), K4GPS (28.68), K5AT (29.20), K6MVV (29.45), K6OQM (28.97), K7HAR (28.52), (Wells, Carlson, RL). Unidentified Latin American station on 28.20 mcs. heard relaying baseball game every Sunday near 4 p.m. (Wells)

AMATEUR 40 METER PHONE BAND

(7000 - 7300 mcs.)

Heard 7 p.m. to 12 mid. --- YS1RM (7.05), YS2RW (7.04), YN1FF (7.00), TI2MG (7.16), CM6XX (7.04), CO6PZ (7.10), CO3RQ (7.02), HK4DD (7.10), HC2KB (7.00) (Kriebel, Wells).

NEW QRA's

- CE2CE - Armando Vallerino, Apartado 110, Valparaiso, Chile
- CE3FG - Arturo Calvo, Cassilla de Corres 1259, Santiago, Chile
- CM6XX - Arturo Rhodes, Nueva Gerona, Isle of Pines, Cuba.
- CP1EA - Hugo Balas, Cochabamba, Bolivia.
- K4GTH - Calbin Burkhead, 2-A Ocean Walk Apts., Santurce, Puerto Rico.
- KD4GYM - U.S. Weather Bureau Station, Swan Island, West Indies.
- TI2JC - Jorge Castro, Apartado 774, San Jose, Costa Rica.
- TI4JSL - Edgar Sanchez, San Francisco de Heredia, Costa Rica.
- YS1A - Jose Alcaina, Ing., Arce 136, San Salvador, El Salvador.
- YS1JMT - Jose Maria Ticas, San Salvador, El Salvador.
- YS1RM - Calle Oriente 11, San Salvador, El Salvador.
- YS2RW - Roberto Wauthiol, Ahuachapan, El Salvador.
- YS3PL - Prudencio Llach, Santiago de Maria, El Salvador.
- ZP5AA - Senora Maria Selina Guanes, Caballero 26, Asuncion, Paraguay

JOTTINGS

No qsl's have as yet been reported from CP2AC-CP6XF-CX2AW-HK8HA-KA1MM, KB4FCS-K5AP-K5AX-K7AWH-TG9JV-TG9RI-TG9RV-VQ8JM-Xu1A-XU8ZA-YV8AA. Has anyone received a reply from any of the above?

H.G. Nicholson (VK4HN-PK6XX) is on his way back to Port Moresby, Papua (W2LXY)... Steve Mann of Lakewood, Ohio, paid a visit to XE1DT. The rig is a Collins on 14.01, 14.14 and 7.07 mcs. SWL reports are welcomed and always answered promptly.

Radio Club de Cuba's xmtr CO2RC inaugurated with transmission of interesting radio news and weather reports. Cuban Hams have asked the FCC to let American Hams work with them. A representative of the Cuban Hams has gone to the USA to negotiate this matter and we hope it will be a success (CR)

Does anyone have qra of Ralph Dewhirst? I have a PK3AA qsl for him (RL)

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