TWO RADIO OPERATORS OF THE BRITISH MERCHANT MARINE VISIT CAPTAIN H. L. HALL, SPRINGFIELD GARDENS, LONG ISLAND, N.Y. (Left to Right): Peter Dean (G6DD); Captain "Skipper" H.L. Hall (Dean of Short-wave columnists); Dorothy Hall (Famous peacetime amateur W2IXY), and Peter Thayne (G2UT's-son).

WHEN TO HEAR WAR NEWS IN ENGLISH

<table>
<thead>
<tr>
<th>Time</th>
<th>City</th>
<th>Frequency</th>
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<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Melbourne</td>
<td>VLG2</td>
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<tr>
<td></td>
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<td>9.54</td>
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<tr>
<td>8:00 a.m.</td>
<td>Tokyo</td>
<td>JZJ</td>
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<td>11.80</td>
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<td>8:30 a.m.</td>
<td>Chungking</td>
<td>XGOY</td>
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<td>9.635</td>
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<tr>
<td>8:50 a.m.</td>
<td>Rome</td>
<td>2RO8</td>
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<td>17.82</td>
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<td>9:00 a.m.</td>
<td>London</td>
<td>GRE</td>
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<td>15.39</td>
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<td>9:30 a.m.</td>
<td>Berlin</td>
<td>DJB</td>
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<td>15.20</td>
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<tr>
<td>11:00 a.m.</td>
<td>Stockholm</td>
<td>SBT</td>
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<td>15.15</td>
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<td>12:00 noon</td>
<td>London</td>
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<td>15.39</td>
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<td>12:30 p.m.</td>
<td>Berlin</td>
<td>DJB</td>
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<td>15.20</td>
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<td>5:45 p.m.</td>
<td>London</td>
<td>GRG</td>
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<td>11.68</td>
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<td>6:45 p.m.</td>
<td>London</td>
<td>GRG</td>
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<td>11.68</td>
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<td>6:48 p.m.</td>
<td>Moscow</td>
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<td></td>
<td>15.23</td>
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</table>

When hearing war news in English, listen at the following times:

- 7:30 a.m. Melbourne: VLG2 9.54
- 8:00 a.m. Tokyo: JZJ 11.80
- 8:30 a.m. Chungking: XGOY 9.635
- 8:50 a.m. Rome: 2RO8 17.82
- 9:00 a.m. London: GRE 15.39
- 9:30 a.m. Berlin: DJB 15.20
- 11:00 a.m. Stockholm: SBT 15.15
- 12:00 noon London: GRE 15.39
- 12:30 p.m. Berlin: DJB 15.20
- 5:45 p.m. London: GRG 11.68
- 6:45 p.m. London: GRG 11.68
- 6:48 p.m. Moscow: 15.23
Ten years ago the IDA was born. Organized primarily to stimulate the hobby of broadcast band DX'ing, its scope was soon enlarged to also include the then comparatively new sport of short-wave DX'ing. A little later the scope of the IDA was again expanded to embrace the field of amateur DX reception and an additional publication, AMA-TOURING, was introduced. The IDA by this time was flourishing beyond our wildest dreams. Before the outbreak of World War II our organization actually included members in over 60 countries. The war came a blow on amateur activities in all warring countries. This spelled the doom of amateur DX reception for the duration but other listening activities continued on an unabated basis.— Came Pearl Harbor and the entry of the U.S. into the war, and IDA entered a new phase. Listening for pleasure only was out; listening in the interests of defense became our policy. Many of our members are already in the armed services. We are proud of them. Those of us at home are also trying to be useful by "listening" for information that may be of importance in the war effort. That our modest efforts are appreciated is borne out by the ever widening circle of government bureaus that are using the GLOBE CIRCLER as a primary source of shortwave information. In addition our publication is used constantly by radio networks, press services, monitoring stations, by the Canadian Broadcasting Corp.; the Australian Broadcasting Corp. and many other similar sources. Our Regional Monitoring Network is doing yeoman service in supplying important information that is in turn passed on to the proper sources. We wish to continue to do our share, that is to supply the most complete and accurate shortwave statistics possible. To do this we need the help of every member. Make it a habit to listen in just as often as possible; to take notes on what you hear, to send these notes to us. We will do the rest.

To continue this service; to continue our publication takes funds. Our one and only source of revenue is the small yearly subscription fee for the GLOBE CIRCLER. With many members in the armed services this revenue is greatly reduced. We ask your cooperation in three ways: 1) by paying your renewal promptly (whether you are DX'ing now or not); 2) by recommending our publication to anyone interested in shortwave reception; 3) by making a small contribution when, and if, possible. — Charles A. Morrison.

INTERNATIONAL DX'ERS ALLIANCE NOTES

NEW MEMBERS

F.N. Heflin, Galveston, Texas...J. W. Young Jr., West Lawn, Penna...B. R. Rand, Rio de Janeiro, Brazil...Mrs. C. Swanson, Indiana, Penna...A. Katelus, Elizabeth, N.J...I. E. Ferguson, Winnetka, Illinois...J. K. Focht, Reading, Penna...C. Barger, District Heights, Md...L. J. Bert, Forrest, Ill...H. Budrecki, Elizabeth, N.J...Oswald G. Villard Jr., Cambridge, Mass...Thos. S. Jones, St. Petersburg, Florida.

RENEWALS

Frank Sekach...Zane Kandle...Thos. Hazard...Eric Bristow...Art Hankins...Jim Wedewer...Earl Roberts...R. Skyten...Earl Petrie...Steve Mann...Mrs. Mabel Allen...John C. Jacobs...H. Campbell...Ray Messer... (Contributions): Ray Messer.

PERSONAL NOTES

IN THE ARMED FORCES: Eric W. Watson, formerly an editor of TUNE IN, in N.Z., now with the armed forces "somewhere" in Britain was rejected as a radio mechanic on account of color blindness; has been ill in the hospital...Fred Borcherdt & Bob Hetzel (Milwaukee), and Steve Matula (Chicago), all in Signal Corps at Camp Swift, Texas, are now in the 6th week of their radio schooling, and like it fine; say the school is cool & comfortable...Stan Sosnowski, in the Air Force, when last heard from on Aug. 30, was stationed temporarily at Salt Lake City...Dick Coles, in the British Army, was married on June 2, to Molly Frew, a Scottish girl. Dick says food is still ample, although variety...
BUY, SELL OR LOAN

John C. Jacobs, 1418 Oxley St., South Pasadena, Calif., would like to buy a GSO, Howard or DB20.

Ferrell, Moreland, 107 East Bayview Ave., Pleasantville, N.J., now in the Air Force, will loan some member—preferably one with U.H.F. experience, two good "Defiants", but little time to use them, along comes a storm and the wind blows down his aerial. We hope all is well again by now.... Mike Fern, formerly of Hawaii, is now working in the Program Research Division of OWI in San Francisco. . . . L. Krumlinde of San Francisco, has his HRO working again; he has installed a Spiderweb Aerial which will supply him with monthly reports on work accomplished. Both are to be kept in original condition and returned after the war. Send application to home address given.

PERSONAL

Aug. Balbi, Los Angeles, in addition to his regular work and R-M activities, has relayed messages from American prisoners in war in Japan, to over 60 families....

RM Steve Mann now back at Dartmouth, has his Listening Post on top of Physics Building, where 3 excellent aerrals are available.... Frank Sekach, Detroit, has a new "Defiant", but little time to use it as he works nights in a Naval Ordnance Plant... Bob Skyten, E. Brookfield, Mass., has joined the Mass. State Guard.

Hal Newell of WRC has been having some tough luck. First his wife had to have an operation; then he had to have an operation, then along comes a storm and the wind blows down his aerial. We hope all is well again by now.... Mike Fern, formerly of Hawaii, is now working in the Program Research Division of OWI in San Francisco. . . . L. Krumlinde of San Francisco, has his HRO working again; he has installed a Spiderweb Aerial which will supply him with monthly reports on work accomplished. Both are to be kept in original condition and returned after the war. Send application to home address given.

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SHORT WAVE NOTES

EDITOR-IN-CHIEF--CHARLES A. MORRISON

PRESS DEADLINES FOR DECEMBER - JANUARY GLOBE CIRCLER: November 28
DECEMBER - JANUARY GLOBE CIRCLER will be mailed on, or about Dec. 16.

SHORT WAVE NOTES FOR THE GLOBE CIRCLER

For the duration shortwave information is vitally important; we need plenty of notes. Please submit the items as follows: Use one side page only...Double space lines...Group items by continents...Be sure to state time used. We are most interested in items pertaining to: NEW stations; changes in freq. or schedule; times for news in English, or other languages; times of peak reception for the weaker stations or those of timely war interest; detailed authentic information concerning station schedules, addresses, power, etc. It is imperative that any important items reach me by fastest mail.

Four star (***) items denote exceptional merit...Each Five star (*****++) item pays its contributor $2.00 in war stamps...In crediting items the general geographical location of that member- if in North America- is shown as: E- Eastern; C-Central; W-Western. If foreign, the country, or an abbreviation of that country is given.

GOVERNMENT TO TAKE OVER ALL U.S. SHORT-WAVE BROADCAST STATIONS

According to press releases issued early in October the War Communications Board has approved a plan whereby the U.S. Government will take over and operate all short-wave broadcast stations in the U.S. These transmitters are to be under the direct control of the Office of War Information and the Coordinator of Inter-American Affairs, and are to be operated on a 24-hour basis. According to Robt. Sherwood, director of OWI's overseas operations; the new plan contemplates use of 36 transmitters in all 14 of which are now in operation. The OWI's request for funds included $7,065,000 for the installation of 12 new stations. It is rumored that all programs will originate from the General Motors Bldg., New York.

ISSUANCE OF AMATEUR STATION LICENSES DISCONTINUED

Effective Sept. 15, the F.C.C. discontinued the issuance of new, renewal, or modified amateur station licenses until further order of the Commission.

SHORTWAVE NOTES

E.W.T.

BAHAMAS ZNS2 (6.09), now operates weekdays 9am-130, 5:30-10pm; Sun. 6:30-10 am, 6:30-10:30pm or later. Local news at 1pm; rebroadcasts BBC English news at 9am and 9pm (Ferguson, E, Juett, Lyerly-C, Krumlinde-W)

CANADA On Sept. 18, the Canadian Gov't. approved immediate construction of a high power short-wave broadcast station at Sackville, N.B., at a cost of $800,000. The station will be operated by the C.B.C. (Chi Trib)...CBFY, Montreal is having crystal trouble again causing it to jump in freq. to 11,745 irreg. (Jones, Hankins, Ferguson-E, Wedewer, Lyerly-C, Balbi, Picard-W)

Cuba TIANKH (9.74), says operating power is 900 watts (Ferguson-E)

COBC (9.376), broadcasts a Chinese hour, Sat. 6:30-9:40pm (Balbi-W)

COBY (9.22) varies in frequency (Baxter-E)...COCM (9.833) has also been having crystal trouble, jumping around between 9.765 and 9.833 (Juett, Lyerly, Krumlinde-W)...COFO (9.515) is heard 6-3am (irreg. to 11am), and 8-11pm (Juett, Wedewer, Lyerly-C)...COGW (6.33) now signs-off at 2am (Kopp-C)...COGF (announces 11.80 but near 11.805) 'Unidos de la Playa, Matanzas, is back on the air and being heard 12:30-3pm; Sun. 1:30-3pm & irreg.; announces in English frequently & requests reports (**Lebouef, Baxter, Ferguson, Hankins-E, Juett, Lyerly, Wedewer-C)

COOK (11.623), has English-Spanish news at 3:45 & 6pm (Wedewer-C)...COKK (8.955), operates 7-10:30am & 3:15-11:30pm approx (Skyten, Wilson, Baxter-E, Krumlinde-W, Lyerly-C)...NEW: CM21 (7.75), "Emisora Oficial de Gobierno la Republica de Cuba, THE LISTENING POST OF ALLAN MOSER, WINNETKA, ILLINOIS.
"Capitan Rafael Gonzalez, Palacio Presidential, Havana, relays CMZ (6:30). Heard 8am-1:45, 11:15pm approx. Requests reports (**Ferguson-C, Lyerly, Jeutt-C**)

__CURACAO__

PJC1 (7.25) now broadcasts 7:45-10:15pm; in French 8:30-9; in English 9:30-10 (news at 9:30); signs off with Dutch anthem (Ferguson, Gozen, E., Krumlinde, Balbi, W.)

**EL SALVADOR**

YSY (7.20) broadcasts 7:30pm-12 mid. (Skyten, Gozen, Elug, Lj.)

**GUATEMALA**

TGWA (15.17), now broadcasts Sun. to 7pm; 6:30-6:45pm is an English commentary about Latin America for rebroadcast in U.S. (*Krumlinde). TGWA (9.685) now operates 9:50pm-12:45am (Hankins, Wilson-E, Jeutt, Lyerly-C)

**HAITI**

HHBM (9.645 but active 9.658) broadcasts mornings 6:30 to 9am, (or later irregular) (Hankins, Ferguson, Becker, Wilson-E, Jeutt, Lyerly-C)

**HONDURAS**

YSY (7.25) broadcasts 8:30pm-12 mid. (Skyten, Gozen, Baxter-E, Lj.)

**MARTINIQUE**

Radio Martinique (9.705) has French news at 8pm (Wedewer-C)

**MEXICO**

KENA (9.685) now opens daily at 10am, with selection "Bolero" (WL)

**Nicaragua**

YNDC (7.66), Leon, power 200 watts, owned by Dennis E. Gallo, verified with a false white & blue card; signs on at 8pm (Kopp-C)...YN2FT (7.49), also signs on now at 8pm (Kopp-C)

**Panama**

HP5A (11.70) broadcasts Sun. 10am-2:30, 9:15-11:15pm (Lyerly-C).

**ARGENTINA**

LRU-LRJ relay the programs of the Blue and White Network whose key station is LRL (1070) (LRL)...LSN2 (9.93) pickup CBS news in Spanish 10-10:15pm (Ferguson-E)

**Brazil**

P- (12.08), Rio de Janeiro, is heard almost nightly 8-10pm with Spanish news, music and pickups from N.Y. (Skyten, Ferguson-E, Jeutt-C)...PRE9 (15.165) signs off at 12 noon (Wedewer-C)

**Chile**

CEC (10.67) broadcasts Spanish comments 8-8:15 or a little later (Lebouef, Lyerly-C)... All Chilean stations now have the prefix CE (CB960)

**Colombia**

HJAB, Cartagena, now back on 4.965 (Lyerly-C, RJ-E)...HJAG, Barranquilla, has shifted to 4.325 where it is heard by HJAP (Lyerly-C, RJ-E)...HJCT, Bogota, is now on 6.28; operates 7pm or earlier to 11:40pm (Gozen-E, Kopp-C, AB)
ECUADOR

HCJB (12.455, 9.958) transmits to Europe at 6:30 p.m. on Tues. in Swedish; on Wed. in French; on Thurs. in Czech, and on Sat. in Russian. (HCJB)

... The Quito station on 7.266 is not HCJB but a NEW station HC1BF, "Radio Commercial", which relays HC1BD, 8-11pm (to 11:30pm Sat) ex.Sun. (*Kopp-C, Baxter, Gozen, E...) HC2AK (9.34) is not being heard at present—may be transmitter trouble as had bad hum for some time (Young-E, Wedewer, Kopp-C)

PARAGUAY

ZAFA (11.721), broadcasts 6:30-9:45pm or later; Sun. 7-10:15pm.

PERU

OAAX (9.562) now operates 9-10:15am (Lyerly-C)... OAXA4 (6.082) broadcasts a program, "Peru Calls You", in English for N.A., Mondays 11:30-11:50pm. Send reports to "Peru Calls You" Lima (*Krumlinde-W)

URUGUAY

CXA4 (6.126) and CXA19 (9.705), "Radio Espectador", broadcast simultaneously, 6-11pm (Sat. to 12:30pm). CXA19 is badly qrm'd by HP6A from 9:15pm on (*Lyerly-C, Baxter-E)... NEW: CXA6 (9.625), the same transmitter, is now in operation 11am-7:25pm (*Skylen, Wilson, Ferguson-E, Baxter, Lyerly, Wedewer, Kopp-C, Balbi-W)

VENEZUELA

A harmonic of YV1RV (4.75), Maracaibo, is heard nightly on 9.50, under XEWW, 7-11pm (Baxter-E, Lyerly, Juett)

AFRICA

BELGIAN CONGO "Radio Congo Belge" (17.77, 11.72) now broadcasts 2:30-4:45pm. Last 15 mins. is pickup of French news from WLWO (Ferguson, Baxter, Skyten-E, Wedewer-C, Balbi-W)... Leopoldville frequencies of 15.175 & 11.73 are not heard at present.

EGYPT

Network pickups between 6:30 & 7:30pm originate over SUV (10.055), or alternately SUX (7.965). SUV (10.055) still heard poorly 1:45-3:15pm (Ferguson, Baxter, Skyten-E, Wedewer-C). The Cairo stations may be sent to the British Broadcasting Corp., 620 Fifth Ave., New York City (Bringhurst-E)

FRENCH WEST AFRICA

Radio Alger advised its listeners to watch for French news—EOM Niamey, Niger (9.977 or 9.375), Dakar (9.41 or 9.74), or Cotondu, Dahomey (9.74) (*Lebouef-E)

GOLD COAST

ZOY (6.002), Accra, gives colonial news at 3:30pm; a topical talk in English at 3:45 to sign-off at 4pm (Burton-England)

MIDDLE CONGO PZI (11.97), gives news in Spanish at 4:15 & 5:15pm; in French at 4:45pm; verifies in about six months with a letter and booklets on "Fighting France". Brazzaville would like listeners to tell them what they think of their programs (*Skylen, Becker, Lebouef-E, Kopp-C, Lyerly-C)

MOZAMBIQUE

CR7BD (15.247), comes on every afternoon now at 1pm. The Sun. 11am-1pm program for Australia has apparently been cancelled (Lebouef, Baxter-E)

AFRICA

SAFEGAL

FGA (9.41), Dakar, now heard 3:15-6pm (Baxter, Lebouef-E)

SOUTH AFRICA

Corresponding with the return of South Africa to Daylight Saving Time, the SABC network now opens daily at 11:45pm instead of 12:45am (all schedules are advanced one hour). Stations now being heard at 11:45pm are: ZZJ (9.300), also weak at 6am; ZRZ (6.147), also weak at 6am; ZRZ (6.097) weak; NZB (5.93) very strong; ZZ (5.96), very strong (all in English). All stations relay the BBC English news at 12:30am. The station on 5.96 gives the South African Press Assoc. News 12-12:05am (*Van Auken-C, E)

EUROPE

ANDORRA

"Radio Andorra" has shifted to 5.98 mcs. (Burton-England)

AZORES

The "National Radio of the Azores", at Ponta Delgada, now broadcasts from 2:00-4:00 p.m. on 11.09; 5:00-7:00 p.m. on 4.20. Transmissions open with clock striking & Portuguese anthem (*Lebouef-E, Kopp-C, E)

CLANDESTINE

Radio Caledonia (7.01), Anti-British, heard near 4:45 p.m. (NZDNC)

... Sudaten German Freedom Station on 11.93, 7:35-7:55am, and on 9.98, 2pm in Czech; 1:25-2:45pm in German. Signs off with "Make an end with this War, make an end with Hitler, Freedom for the Sudaten Germans." (NZDNC)... Christian Peace Movement (9.4), 2:45-3, 3:45-4pm (NZDNC)... Zarossiu (11.37 or 13.62), station of the Ukrainian independence movement, axis-sponsored, 12-12:30am in Russian (OWI)... Rumanian Freedom Station (11.600), talk in Rumanian by a man 4:15-4:25pm on 2:45-3pm, in Serbo-Croat (*Lebouef-E)... Unidentified station on 9.68, heard 1-1:15 & 5-5:15pm, with man and woman speaking in German, Six-note tune signal is played several times during the broadcasts. May be German Revolutionary on new freq. (Jones, Baxter-E)

"Radio Metropole" (may be old Belgrad transmitters) broadcasts on 9.48 as follows: 12:30-1pm English, 1-2pm English (news at 1:15pm), 2-3pm French (news at 2:30pm), 3:15-3:30pm unknown language, 4:10-5pm French (news at 4:30pm, 5:00-6:05pm English (news at 5:15pm), signs-off at 6:30pm. The English announcements are by a woman but news is read by a man. According to closing announce-
7

moment station returns to air at 11:15 a.m. Eastern European Time on 15.24 m.;

ENGLAND The Pacific Transmission is now broadcast from 1:45 to 4:45 a.m.

... The N.A. Service of the BBC is now as follows: 5:15-12:45 a.m. over GSC

(9.58); 5:15-12:30am (to C.A.) over GHM (9.525); 5:15-9:45 (6:45pm-12:45am to

S.A.) over GGR (11.68), GSD (11.75); 5:15-6:45pm (to Africa) over GRY (9.60);

5:15-6:15pm (to S.A.) over GSF (15.14); 9:50pm-12:45am over GRI (9.715), 10pm

12:45am over GHW (6.145) & GSL (6.11); 10:45pm-12:45am over GRH (7.125);

11:00pm-12:45am over GRS (7.07) (Wilson, Hankins, Davidson, Young, Goza, Becker, Baxter,

Skyten, Hartle, Ferguson, Juett, Kon, Lyerly, E, Picard, Krumlinde, Balbi-W). Other

changes in BBC schedules are shown in list.

FINLAND "Suomen Vapaa Radio" (Finnish Freedom Radio), is heard 6:05-6:25am

on approx. 11.84 & 11.94; Also supposed to be on at 5:55pm in 31 & 41 M bands.

(***Skyten-E)... New Finnish prefix is OIX (NZDXC)... "Lahti now broadcasts to N.A.

2:05-2:50pm over OIX4 (15.19), OIX3 (11.785), OIX2 (9.495); 8:25-9:10pm over OIX3

and OIX2; 11:05-11:50pm over OIX4 and OIX3 (**Skyten, Hankins, Mann-E)

FRANCE "Radio Uncomo" now on 8.12, gives news in English at 3:30pm; in

French at 4:00 p.m. (Burton-England).... "Vichy" (11.845), broadcasts English

talk at 4:30pm (Wilson-E, Kon, C).... "Paris Mondial" (11.885) is on now 3-5:15pm (JW-E)

GERMANY NEW: "Deutscher Volkssender" (15.08), heard 10-10:20am with anti-

Nazi talk in German (**Young-E)... "Gustav Siegfried Eins" is using 9.482 for

most of its broadcasts now; occasionally 9.645 (Jones, Ferguson, E, Wededer, Juett)

"Wemhracht Sender Nord" (10.04), also heard 5:30-5:50pm (Baxter-E)...

According to "Newsweek" Germany will put several new 200 kw transmitters into

operation shortly... Names of U.S. prisoners of war taken from torpedoed merchant

ships are often broadcast by Berlin at approx. 10:15pm (Balbi-W).... **DXK (9.527),

not DXY, broadcasts the European Service 9am-6:15pm (with DXH2-15.12, to 11:25

am) (Wilson, RL-E)... **DXF2 (11.90), Berlin, is now being heard 4:30-11:20am (Wilson)

**DXX (6.14), Berlin, operates 10pm-12:15am (Wilson, Jones-E)... **DXH (14.46) is

not on 5:50pm-12 mid. at present (Wilson-E).... **DXG (15.36), DXU (10.32) are off

the air at present (Wilson-E)... Other Berlin changes shown in list.

ICELAND TFJ (12.235), Reykjavik, heard on a recent Tues. at 4:45-5:00 & 7:20

pm originating pickups for American networks (Becker, Cobb, Jones-E)

IRELAND Radio Errean now comes on air on 9.585 at 5pm; freq. of 15.12

does not seem to be in use at present (Wilson, Mann, Baxter-E, Picard-W)

ITALY Rome broadcasts an English news bulletin at 9:20-9:30am over 2R021

(15.047), 2R022 (11.95), 2R011 (7.22); others at 12:20 p.m. over 2R021, 2R022, 2R011;

at 3:30pm over 2R03 (9.63), 2R04 (11.81), 2R06 (15.30), and at 5:15pm over 2R03,

2R022, 2R020 (10.33), and 2R011, 2R04, 2R06, 2R023 (6.30). Other changes given in the

list (Becker, Hankins, Wilson, Skyten, Ferguson, E, Picard-W)

NORWAY Noreke Frihetsender (Norwegian Freedom Station) (Currently on 15.06),

is being heard 2:30-2:40 & 5:45-6:55pm with Norwegian talks by man; qrm'ed

heavily as a rule (**Skyten, Baxter-E)

PORTUGAL A station on 11.72 using the Portuguese language was heard one morn-

ing with fair signals; signed off at 7:58am. Maybe Leopoldville (Ferguson-E)

SLOVAKIA Radio Bratislava (9.503) is now heard nightly 7-7:45pm to NA. Sig-

nals very strong at times (**Skyten-E)... Names of U.S. prisoners of war taken from

torpedoed merchant ships are often broadcast by Berlin at approx. 10:15pm (Balbi-W)....

**DXK (9.527), not DXY, broadcasts the European Service 9am-6:15pm (with DXH2-15.12, to 11:25

am) (Wilson, RL-E)... **DXF2 (11.90), Berlin, is now being heard 4:30-11:20am (Wilson)

**DXX (6.14), Berlin, operates 10pm-12:15am (Wilson, Jones-E)... **DXH (14.46) is

not on 5:50pm-12 mid. at present (Wilson-E).... **DXG (15.36), DXU (10.32) are off

the air at present (Wilson-E)... Other Berlin changes shown in list.

SPAIN EAQ (9.86) now broadcasts to N.A., 8-9pm; in English 8-9:15pm; also

2-3pm to Europe; English news at 2:15pm (Ferguson, Leboeuf, Young, E, Juett-C)

SWEDEN Listen to the reports on Stockholm to the "Swedish Legation, Washington. They do their best to get veri's (Ferguson, Hankins &对企业广播

SWITZERLAND The Bern broadcast to Latin America is now broadcast 7:45-9:10pm over

HER4 (9.583) and on a new freq. of 11.715 (Gozen-E)... According to the

Swiss Broadcasting Corp., any one of the following frequencies may be used in

Bern's broadcast to N.A.: 6.055, 6.165 (HER3), 9.586 (HER4), 11.665 (HER5),

15.305, 17.784 (HER3), 21.52 (HER4) or 25.64 (HER5) (**Becker-E, Moser-C)

U.S.S.R. The following Soviet transmissions have been reported recently:

(Locations indicated as: Ky- Kubyshev; K- Komsomolsk; M- Moscow; S- Sverdlovsk)

Directed to N.A. (effective Oct.)

7:40-8:20am 15.745 K, 15.23 K, 10.445 M, 9.545 K, 9.36 S (Sun. 7:40-9:30am)

10:15-10:40am 15.23 K, 9.545 K

5:15-5:40 pm 15.23 K, 15.11 K

6:48-7:25pm 15.23 K, 15.11 K, 12.19 M, 9.545 K

9:00-9:45pm 11.95 M

Other broadcasts heard

9.565 K

12-12:15am on 5.36 Khabarovsk

5.36 Khabarovsk

6.13 Ky.
VATICAN CITY HVJ (5.968) broadcasts to Europe 2-4pm. Vatican broadcasts to N.A. are now made over HVJ (11.74), Thurs. 8-8:20pm & Sun. 8:30-8:50pm (Burton-England)

ASIA AND OCEANIA

AUSTRALIA Daylight Saving Time started on Sept. 27 (Balbi-W)...There haven't been any messages from American soldiers since Sept. 26 (Ferguson-E,Mrs. Swanson-C,Balbi-W)...

LATEST SCHEDULE OF OVERSEAS BROADCASTS FROM AUSTRALIA FOLLOWS:

8-10am 5:30 Khabarovsky
7-9:15am 14.1 Ky (English news at 9am)
9:30am-12:15pm 13.01 Ky (English news at 9:45am)
2pm on 7.52 M
Near 4pm 8.05 Ky
9:00-9:15pm 15.23 K (Russian)
Near 4pm 8.05 Ky
9:00-9:15pm 15.23 K, 15.11 K.

(Hankins,Lebouef,Skyten,Ferguson,Hartle,Baxter,Wilson,Young,Mrs.Swanson-E,Balbi, Krumlinde-W,CAM-C)

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(Hankins,Lebouef,Skyten,Ferguson,Hartle,Baxter,Wilson,Young,Mrs.Swanson-E,Balbi, Krumlinde-W,CAM-C)
## 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 indicated in list as NEWS.**

### METERS MEGS. CALL STATION LOCATION TIME

#### 13 METER BAND


| 16.315 | 19.59 | ZR017 | Rome, Italy | 7-7:25, 7:30-9:15, 10-10:20am, 12-12:45pm |
| 16.235 | 18.48 | HBH | Bern, Switzerland | Tu/Sat 9:45-11:15am |
| 16.545 | 18.155 | Batavia, Java | 8-10am, 11-11pm ... NEWS 9am |
| 16.605 | 18.07 | PCV | Kootwijk, Holland | Approx. 9:20-11am. |

#### 16 METER BAND

| 16.645 | 18.05 | GR4 | London, England | 5:45-11:15am to S.A. |
| 16.775 | 17.89 | GRF | London, England | 6:45-11:15, 11:30am-12:30pm to C.A. |
| 16.815 | 17.85 | Vichy, France | 7:30-8:15am to NA, 8:30-9:15, 10:45-11:30am |
| 16.825 | 17.845 | DJH | Berlin, Germany | 8-9:30am, 1:30-2:15pm ... NEWS 1:45pm |
| 16.655 | 17.79 | GSH | London, England | 6:45-7:50, 7:45-8:6, 8:45-9, 9:45-10, 10-10:30 |
| 16.975 | 17.765 | JZL | Tokyo, Japan | 2:55-4:15, 5-11am / 10:45am, 12:30-12:45pm |
| 16.975 | 17.765 | WNB1 | New York City, N.Y. | 9am-12:40, 4:55-7:45pm |
| 16.685 | 17.775 | ZRO7 | Rome, Italy | 7-9:45, 10-11, 11:15am-12:45pm |
| 16.685 | 17.775 | WNY1 | New York City, N.Y. | 9am-12:40, 4:55-7:45pm |
| 16.695 | 17.765 | DJF | Berlin, Germany | 2:30-7, 7-10:15am |
| 16.935 | 17.725 | LRA5 | Buenos Aires, Argentina | 5-5:30pm |
| 17.205 | 17.445 | ELL | Vatican City, Tues. 11am-12 noon ... NEWS 11am |

#### 19 METER BAND

| 18.935 | 15.85 | WCW | Hicksville, N.Y. | 9am-7pm |
| 19.055 | 15.75 | Komsomolsk, U.S.S.R. | 7:40-8:19am (also Sun. 7:40-9:30am) to NA |
| 19.265 | 15.58 | WCB | Hicksville, N.Y. | 3:45-5:30pm. *a* |
| 19.425 | 15.45 | GRD | London, England | 1:45-5:45am to N.Z. / pm, Su. 9:10-11:40 |
| 19.485 | 15.40 | PZ5 | Paramaribo, Dutch Guiana | 7:40-9:40pm ex. Sa/Su; Sa. 5:40-8:40 |
| 19.495 | 15.39 | GRE | London, England | 1:45-5:45, 6:45-11:15, 11:30am-2:30, 3:15-5pm to NA ... NEWS 2:15, 4:7, 9, 11am, 1, 8:45pm |
| 19.535 | 15.355 | KWU | Dixon, Calif. | 4:30-5:15, 7:45-9:30pm to Far East |
| 19.545 | 15.355 | WRUW | Boston, Mass. | 12:30-1:30am ex. Su, 11am-1:15-6:30pm ex. /Sun |
| 19.565 | 15.345 | DJR | Berlin, Germany | 1am-12 noon to Asia |
| 19.575 | 15.335 | WGBA | Schenectady, N.Y. | 9am-6:30pm to Europe. |
| 19.575 | 15.335 | KGEX | San Francisco, Calif. | 7pm-12 midnight to Latin America. |
| 19.605 | 15.315 | GSF | London, England | 1:4-5:15, 5:45-6, 7-8:30, 9-9:30, 9:45-10, 10:40-10:45am, 1-2:15pm. |
| 19.615 | 15.305 | ZRO6 | Rome, Italy | 12:30-1:30am to NA, 3-3:30, 7-10:30, 10, 10am-12:40, 12:50-2:55, 2:40-3:50, 4:30-5:40, 6:30-9:30pm ... NEWS 1am, 2:50, 3:20-3:15pm. |
| 19.625 | 15.295 | KWID | San Francisco, Calif. | 6-10, 10:35am-7:36am |
| 19.625 | 15.295 | VUD2 | Delhi, India | 2:30-4:55am. Heard recently? |
| 19.625 | 15.295 | LRU | Buenos Aires, Argentina | 7:15-8:15am. *4-7pm. |
| 19.635 | 15.285 | DJQ | Berlin, Germany | 1-3:30, 4:20am-12 noon, 12:30-1:30, 3-3:30-9, 10-10:45am. |
| 19.645 | 15.275 | WCWX | New York City, N.Y. | 6am-3:45, 1:45am-5:45am, 7:30-7:30pm. |
| 19.665 | 15.255 | GIL | London, England | 6:45-11:15, 11:30am-9pm ... NEWS 7, 9, 11am, 1, 6:45pm |
| 19.675 | 15.255 | WLNO | Cleveland, Ohio | 8-9, 10am-1, 6:30-7:45pm (Sun. 6-7:15pm) |
| 19.675 | 15.245 | CR7BD | Lourenco Marques, Mozambique | 1-2, 5:30-8am, 1-5pm. |
| 19.695 | 15.245 | Vichy, France | 9:30-10:30, 11:15am-12:45, 1-1:45, 2-2:45pm. |
| 19.695 | 15.245 | Radio Metropole | 6:30-7:30am approx. |
| 19.705 | 15.235 | DXT | Berlin, Germany | 7-7:15am ... NEWS 7, 8-9:30am |
| 19.705 | 15.235 | V166 | Melbourne, Australia | 10:25-11:10pm to NA ... NEWS 10:30pm |
| 19.715 | 15.225 | DXU15 | Huizen, Holland | 4:50-5:15, 6-6pm |
| 19.715 | 15.225 | Voice of Free India | 10am-12 noon ... NEWS 11:30am |
19.71 15.22 National Congress Radio 12:15-12:45pm... News 12:15pm.
19.72F 15.21 WBOS Boston,Mass. 6am-12:45pm to N,Europe
19.72S 15.20 DJB Berlin,Germany 7-9:45am to NA,10:30-10:40am,12-3:30pm.
15.75x15.19 OIX4 Lahti,Finland Radio 12:15-12:45pm... News 12:15pm.
19.76S 15.18 GSO London,England 9am-12:45pm... News 9am.
19.76E 15.17 RY96 Moscow,U.S.S.R. 9am-12:45pm... News 9am.
19.76E 15.16 XOGX Chungking,China 9am-12:45pm... News 9am.
19.76 S 15.17 TGWA Guatemala,Guatemala 12:15-12:45pm... News 12:15pm.
19.76S 15.16 PRE9 Fortaleza,Ceara,Brazil 9am-12:45pm... News 9am.
19.76 S 15.15 ZPA6 Encarnacion,Paraguay 9am-12:45pm... News 9am.
19.79 x15.16 VLG7 Melbourne,Australia 9am-12:45pm... News 9am.
19.79 15.16 JZK Tokyo,Japan 9am-12:45pm... News 9am.
19.80 15.155 SBT Stockholm,Sweden 9am-12:45pm... News 9am.
19.81S 15.155 WRCA New York City,N.Y 9am-12:45pm... News 9am.
19.82S 15.14 GSF London,England 9am-12:45pm... News 9am.
19.83S 15.13 DXL6 Paris,France 4:30-7:45pm... News 4:30-7:45pm.
19.84S 15.12 HVJ Vatican City 9am-12:45pm... News 9am.
19.85S 15.11 DXH2 Berlin,Germany 9am-12:45pm... News 9am.
19.86S 15.11 DJL Berlin,Germany 9am-12:45pm... News 9am.
19.87S 15.08X Deutscher Volkssender 9am-12:45pm... News 9am.
19.94S 15.047 2RO21 Rome,Italy 9am-12:45pm... News 9am.

20.07 14.935 ESE Rio de Janeiro,Brazil Thurs.4:4-4:30pm (Italian),8-8:30pm.
20.73 14.477 WDO Ocean Gate,N.J. 6am-7pm.
20.75S 14.467 DZH Berlin,Germany 4:30-6:30am,10:15-10:30am,11am-noon.
20.78F 14.443 Malaga,Spain 4:30-7pm.
23.06S 13.01 Kuibyshev,U.S.S.R. 9:30am-12:15pm... News 9:45am.
23.83 12.83 CNR Rabat,Morocco 8am-9am (French).* 10:45 or 11:00pm
24.09S 12.45S HCJB Quito,Ecuador 7:45-9:50am,12:30-3:30.(Sun,8am-5:30pm).
24.53 12.23 Sverdlovsk,U.S.S.R. 11:15pm-1:30am,4:30-5pm (Eng.)*.
24.54 12.235 TFJ Reykjavik,Iceland Tues.4:45-5am & 7:20pm approx. irreg.*.
24.73S 12.13 DZE Berlin,Germany 6:45-9:10am,3:45-5:45pm,5:45-12:15am.
24.75 12.12 TPZ Alger,Algeria 7:15-8am,2-6pm...French news 3:30,4:30pm.
24.77 12.115 ZRB Aden,Arabia 12:15-1:30pm.
24.86 12.06 FFZ Shanghai,China 12:2,4-10:15am... News 8:15am.
24.86 12.06 Kuibyshev,U.S.S.R. 1:45-2:30am,3:30-5:15am... News 9am.

25 METER BAND

25.00 12.00 Brazzaville,Middle Congo 2:20-3:30,5:30-7:20am.
25.00S 12.00 Moscon,Malaya 7am-12:40pm... News 9,9:45am.
25.02 11.99 XRS Shanghai,China 9am-12:40pm... News 9,9:45am.
25.04C 11.975 CEI180 Santiago,Chile 7:40am... News 7:15,9:30am.
25.05 11.97 FZI Brazzaville,Middle Congo 2-2:15,9:30-10:30am,3:45-5:30,11pm.
25.10S 11.95 2RO22 Rome,Italy 12:30-1,7:9,11:30am-2,3,6,8,10-10pm.
25.10N 11.95 Moscow,U.S.S.R. 8:30-10:30am,11:30am-2,3,6,8,10-10pm.
25.16 11.91 Anti-Fascist 9:30-11:30am,3:30-5:30,7:30-7:30pm.
25.21 11.99 TIMMP San Jose,C.R. 8-9:30pm; nites to 1am/News 8am,12.53pm.
25.21S 11.90 XGOY Chungking,China 6:6,7-7:30,11:35am-12:30,2:30-4:5pm.
25.21N 11.90 DF2 Berlin,Germany 4:30-11:20am,2:15-3:15pm.
25.22N 11.895 CXA10 Montevideo,Uruguay 7:25-10:10pm.
28.63 J 11.705 CBFY Montreal, Canada 6:55am-12 mid (jumps to 11.745 irreg.)
28.64 S 11.705 HP5A Panama City, Panama 9:15-11:40, 9:10-1pm; Sun. 10:20am-
28.64 C 11.770 Santiago, Chile 8-10pm. Not on daily, 12:30-9:15-11:15pm
28.65 S 11.68 GRG London, England 3-5, 5:15-9:45pm to NA (5:15pm-12:45am to S.A.). News 7am, 5:45, 6:45, 9:00pm.
28.65 C 11.68 XORS Shanghai, China 7-9pm, 3:45-11am... News 12:30, 2:15,
28.75 J 11.75 X50K Canton, China 5-9:30am /& 6:15, 6:45, 7:30am, 6:45 pm.
28.77 L 11.64 WJF Hicksville, N.Y. 1-3:30pm /& 7:45, 8:30am, 6:30 pm.
28.83 S 11.628 KZRH Manila, Philippines 12-3:40, 4-9am, 6pm-12 mid... News 4:45,
28.83 S 11.623 CKC Havana, Cuba 12 noon-12 mid... Sun. 1-7pm... News 1,330,
28.85 S 11.60 Rumanian Freedom Station 4:15-4:25pm... /& 7,10pm.
28.82 S 11.37 Undercover 12-12:30am, 2:30-2:43pm in Serbo-Croat
27.05 F 11.09 Ponta Delgada, Azores 3-4pm
27.17 L 11.04 CSWG Lisbon, Portugal 2-6pm
27.88 N 10.84 KKW Dixon, Calif.* 3:30-7:05, 7:30-10:30am relays KWID
27.96 J 10.73 VCTLO Nairobi, Kenya 11am-12:50pm & Monday 1:15-1:50pm.
28.07 N 10.68 Rome, Italy 3:80-5pm.
28.12 S 10.67 CEC Santiago, Chile 8-8:15pm (Spanish)
28.25 N 10.62 KESB Bolivia, Cal*. 11:30pm-6am relays KWID
28.30 S 10.60 ZTK2 Belize, Br. Honduras Tues/Thurs/Sat. 2:30-3, 9:30-9:50pm.
28.45 S 10.543 DZD Berlin, Germany 2:45-3:15, 5:50-12 mid... to NA... News-
28.49 L 10.58 JEB Taihoku, Taiwan 10-10:30am... /& 7,9,10,11pm.
28.73 N 10.445 Moscow, U.S.S.R. 7:40-8:19am to NA.
28.85 S 10.40 YSPA San Salvador, El Salvador 9:10-10am, 7:30pm-12:30am.
28.89 S 10.35 Station Debunk 8:30-9pm... /& 5/15pm.
29.04 S 10.33 2RO19 Rome, Italy 3:20-6, 6:30-9:30, 9:35-10:20pm... News-
29.16 S 10.29 DZC Berlin, Germany 3:50-5, 5:15-10:55pm.
29.24 S 10.24 XCAP Peiping, China 9am-12:15 or 12:30pm, 7pm, Sun. 9:15-10:40pm.
29.35 S 10.22 PSH Rio de Janeiro, Brazil 7-8:15pm ex Sun; Mon/Wed/Sat 9-9:30.
29.44 C 10.19 JVX2 Tokyo, Japan 4:45-8:55am. Has anyone heard recently? /&
29.62 J 10.13 HHHW Port-au-Prince, Haiti 12:30-4:45, 7-10:30pm... Sun. 1-5, 7-10:30.
29.81 C 10.065 MTCV Hsinking, Manchukuo 1:30-3am to NA... News 1:10, 2:30am.
29.82 F 10.06 French Freedom Station 2:30-2:40, 4:55-6:55pm... News-
29.84 S 10.055 SUV Cairo, Egypt 1:45-3pm... & 6:30-7:30pm irreg. for U.S.
29.90 S 10.04 Kibyshev, U.S.S.R. 11:30pm-3:00am... /& 6:05, 6:35-6:50pm.
29.99 S 10.04 FSDU Sendier, Wehrmacht, North 2:30-2:50, 3:30-4:30, 4:30-5:30-
29.97 S 10.01 WJF Hicksville, N.Y. 12 mid-4am... /& 6-10:45 or 11:00pm.
30.12 S 9.568 HCBJ Quito, Ecuador 7:45-9:50am, 12:30-3:30, (Sun. 6:30-5:50pm).
30.27 N 9.809 ZTJ Johannesburg, South Africa Heard 11:45pm-1:45 & near 8am. *
30.33 S 9.89 LS2 Buenos Aires, Argentina Relays CBS 10-10:15pm.
30.43 S 9.86 EQA Madrid, Spain 2-3, 8-9pm to NA... News 2:15, 8pm.
30.48 J 9.843 CR7BE Lorenzo Marques, Mozambique 1-2, 5:30am-3:5pm... News -*
1:55, 6:50pm-4pm ex. Su; Su, 6:55am.
30.51 J 9.833 GOAM Havana, Cuba 9am-1am; Sun. 3am-12 mid, 5am-4pm, 1230a
30.65 S 9.824 480 London, England 5:15pm-12:45am to C.A... News 5:45, 6:45,
30.64 S 9.79 ZR018 Rome, Italy 1-7:30-9:30, 9:35-10:30pm.
30.76 S 9.775 ZRO Durban, South Africa 4:30-8, 10am-5pm... Sun 4:50am-5pm... /&
30.80 J 9.728 8, 12 Radio Inconnu 1:30-2, 6-3:05:55am, 3:30-3:50pm... News -*
30.77 S 9.75 WDL Ocean Gate, N.J. 6-8am.
30.90 X 9.74 TIANRH Heredia, C.R. 8-9am; Tu/Th/Sat. 11:30pm-12:30am approx.
30.82 S 9.75 CWSW Lisbon, Portugal 6:15-8:15, 8:25-10pm to 1230am.
30.92 S 9.73 CEBZ Tel Aviv, Israel 7-9pm, 7:15pm-12:30am.
30.92 S 9.72 ZGA Chungking, China 1-3:30, 7:30-10:30am... News 10am.
30.92 S 9.715 OA4K Lima, Peru 8pm-12:20am.
30.92 X 9.705 Fort-de-France, Martinique 12:15-1:45, 6:30-9pm
30.93 S 9.70 WRUW Boston, Mass. 6-10:15am, 6:30-11pm ex Sun; Sun. 7-9:15pm
30.96 S 9.69 WJAA Tainoku, Taiwan 8-10am... News 8:30am.
30.96 S 9.69 GRX London, England 1:30am-3:15, 5:30-6, 6:15-6:30pm to Europe
30.96 S 9.68 TGWA Guatemala, Guatemala 9:50pm-12:45am ex Sun; Sun. 7pm-12:45am
30.96 S 9.68 LRA1 Buenos Aires, Argentina 11:30am-2:30-4:30, 10-10pm.
30.96 S 9.68 XEQQ Mexico City, Mexico 10am-2:45am.
30.96 S 9.68 QQ4 Téheran, Iran 11am-1pm (Th. 9:30am-1, Fri. 10am-1pm)
30.96 S 9.68 WLW6 Perth, W. Australia 7-10:50am (7:25-8:30am to E.N.A) News 7-
30.96 S 9.68 VQ6 Sydney, Australia 12:25-1:10am to W.N.A. 5:55-7:25am /& 9,9am.
31.01 S 9.675 DJX Berlin, Germany 1-3:15, 11:40am-5:30pm... News 12:30pm.
<table>
<thead>
<tr>
<th>Time Zone</th>
<th>City, Country</th>
<th>Time Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:00am-7:00am</td>
<td>31.45S,9.54E</td>
<td>VLG2, New York City, N.Y. 7:00am-4:15pm</td>
</tr>
<tr>
<td>6:00am-9:00am</td>
<td>31.46S,9.63E</td>
<td>KOMO, Seattle, Wash. 7:00am-6:45pm</td>
</tr>
<tr>
<td>7:00am-10:00am</td>
<td>31.47S,9.60E</td>
<td>KREX, Austin, Texas 8:00am-5:45pm</td>
</tr>
<tr>
<td>8:00am-11:00am</td>
<td>31.48S,9.65E</td>
<td>KTSN, Brownsville, Texas 9:30am-7:30pm</td>
</tr>
<tr>
<td>9:00am-12:00noon</td>
<td>31.49S,9.70E</td>
<td>KHTS, Santa Barbara, Calif. 10:00am-6:30pm</td>
</tr>
<tr>
<td>10:00am-1:00pm</td>
<td>31.50S,9.75E</td>
<td>KEXL, Medford, Oregon 11:00am-7:30pm</td>
</tr>
<tr>
<td>11:00am-2:00pm</td>
<td>31.51S,9.80E</td>
<td>KENR, Medford, Oregon 12:00pm-7:30pm</td>
</tr>
<tr>
<td>12:00pm-3:00pm</td>
<td>31.45S,9.54E</td>
<td>WLW, Cincinnati, Ohio 1:00pm-8:00pm</td>
</tr>
<tr>
<td>1:00pm-4:00pm</td>
<td>31.46S,9.63E</td>
<td>KOMO, Seattle, Wash. 2:00pm-8:45pm</td>
</tr>
<tr>
<td>2:00pm-5:00pm</td>
<td>31.47S,9.60E</td>
<td>KREX, Austin, Texas 3:00pm-6:45pm</td>
</tr>
<tr>
<td>3:00pm-6:00pm</td>
<td>31.48S,9.65E</td>
<td>KTSN, Brownsville, Texas 4:00pm-5:45pm</td>
</tr>
<tr>
<td>4:00pm-7:00pm</td>
<td>31.49S,9.70E</td>
<td>KHTS, Santa Barbara, Calif. 5:00pm-6:30pm</td>
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<td>KEXL, Medford, Oregon 1:00am-4:15am</td>
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<tr>
<td>7:00am-10:00am</td>
<td>31.51S,9.80E</td>
<td>KENR, Medford, Oregon 2:00am-5:45am</td>
</tr>
</tbody>
</table>

**31 METER BAND**
Radio Metropole

12:30-3:30, 4:10-6:05pm...

News 1:15, 5:15p

La Paz, Bolivia

12:15am-12 noon relays KGEI

Bolinas, Calif.

7-10am...News 9:10am /7pm...News 115

New York City, N.Y.

7-11am, 12:15-3:15, 3:15-5:45, 6:45-7:15, 7:15-9:15, 11-11:15am, 1-2:15, 2:15-3:45, 4:15-6:15pm.

Hong Kong, Hong Kong

7-10am...News 9:10am /7pm...News 115

Ankara, Turkey

To 3:45 or 4pm; irreg. to networks 6:30-

London, England

6:15am-12noon...News 9:30am-11:30; 12pm-7pm...News 8, 5-8:30am /3:30, 4:30, 5:30pm...French news

7am-8pm approx...News 12:30, 1:30, 2:30, 3:30, 4:30, 7, 8, 9, 10, 11pm, 12, 1am

San Francisco, Calif.

3-6, 15-9, 9:30, 9:45am-12:05pm /6:30pm.

Voice of Free India

9:30-11:30pm (6-7:30pm irreg.)

Bolinas, Calif.

6:15am-12:05pm.

Havana, Cuba

8-9:15pm

Guayaquil, Ecuador

8:30am-1:30am; Sun.9:30-11:30pm

Budapest, Hungary

7-8:55pm, 9-11pm to NA...

News 9:20, 10:25

Buenos Aires, Argentina

8am-2-2:30, 6-9:30pm

London, England

6:30-7, 7:45-8:30, 9:30pm-12:45am to NA.

Havana, Cuba

8-9:15pm

Bucharest, Romania

3:45-6:35pm...News 4:50pm

Radio Libre D'Orient

Bombay, India

1:30-2:15pm.

Havana, Cuba

8am-1, 4-8, 11pm-1am approx.

Hicksville, N.Y.

7pm-12 mid.

Havana, Cuba

5:30am-1:30am.

Camaguey, Cuba

12:30-1:30, 4:30-7, 9-9:30pm

Managua, Nicaragua

9-10am or later, 7:40pm-12 mid.

Kweiyang, China

6:30am-12 noon, 4-6pm...News 10:11am.

Rabat, Morocco

3:15-3:45, 8-9am, 1:30-6pm...French news

8:30am, 3:30, 4:30pm.

Beyrouth, Syria

1-4:30, 5-7:30, 9am-5pm...News 12:30 pm

Ft. Lauderdale, Canada.

6:45-7am, 2:15-2:30pm

Rio de Janeiro, Brazil

7-9pm; Sun.9:15-9:40pm

San Salvador, El Salvador

8pm-12 mid. with HUB /pickups

Cairo, Egypt

Heard to 4:30pm & irreg. 6:30-7:30pm on

London, England

11:50pm-5:45, 6:45-1:45am, 12:15-1, 1:15-

San Francisco, Calif.

3-6, 15-9, 9:30, 9:45am-12:05pm /6:30pm.

Voice of Free India

9:30-11:30pm (6-7:30pm irreg.)

Sofia, Bulgaria

4pm on-

Bolinas, Calif.

6:15am-12:05pm.

Havana, Cuba

6am-1:15am.

Hicksville, N.Y.

12 mid.-4am.

Havana, Cuba

5:30-11:30am.

Camaguey, Cuba

12:30-1:30, 4:30-7, 9-9:30pm

Managua, Nicaragua

9-10am or later, 7:40pm-12 mid.

Kweiyang, China

6:30am-12 noon, 4-6pm...News 10:11am.

Rabat, Morocco

3:15-3:45, 8-9am, 1:30-6pm...French news

8:30am, 3:30, 4:30pm.

Beyrouth, Syria

1-4:30, 5-7:30, 9am-5pm...News 12:30 pm

Ft. Lauderdale, Canada.

6:45-7am, 2:15-2:30pm

Rio de Janeiro, Brazil

7-9pm; Sun.9:15-9:40pm

San Salvador, El Salvador

8pm-12 mid. with HUB /pickups

Cairo, Egypt

Heard to 4:30pm & irreg. 6:30-7:30pm on

London, England

11:50pm-5:45, 6:45-1:45am, 12:15-1, 1:15-

San Francisco, Calif.

3-6, 15-9, 9:30, 9:45am-12:05pm /6:30pm.

Voice of Free India

9:30-11:30pm (6-7:30pm irreg.)

Sofia, Bulgaria

4pm on-
49 METER BAND

45.05 6.66 Brazil 6-7pm
45.22 6.335 HC2RL Guayaquil,Ecuador Sun.6:45-7:45,Tu.10:15pm-12:15am.
45.47 6.54 YNC9A Managua,Nicaragua 2-3:30,9-11pm ex. Sun.
45.15 6.50 HIL Trujillo City,D.R. 1:30-3,7-10:30pm ex.Sun.
45.258 6.49 TGWB Guatamala,Guatemala 9-10,1:45-4:45,6:30pm-1am; Sun.
11:30am-8,15,7pm-1am.
46.26 6.485 HILL Santiago de los Caballeros,D.R. 6:30-8:30pm ex. Sun.
46.485x.6.455 COHI Santa Clara,Cuba 7:42am-10:05pm
46.54 x.6.405 TGQA Quezaltenango,Guatemala 9-11:30pm; Sat.9pm-2am; Sun.8pm-4a
46.36 6.39 HIEB Santiago,D.R. 6:40-8:40pm
47.10 6.37 COQ Havana,Cuba 7:30am-2am.
47.20 6.357 HRF1 San Pedro Sula,Honduras 7-8:30am,7-11:30pm
47.32 6.343 OAX4G Lima,Peru 7pm-1:30am (Sat. to 2am)
47.39 6.333 HIX Trujillo City,D.R. Mon.6:10-10:30pm; Tu.6:10-10:30pm; Wed/Fri 6:10-9:10pm; Th.6:10-9pm; Sat.
47.395 6.33 COCW Havana,Cuba 6:56am-2am /6:10-8:10pm.
47.47 6.32 SUP2 Cairo,Egypt 12:10-1pm.
47.50 6.316 H1ZTrujillo City,D.R. 12:40-1:40,6:10-11:10pm
47.588 6.29 2RO23 Rome,Italy 4-6pm...News 5:15pm
47.58 6.29 OAXLA Chiclayo,Peru 8:30pm-12:30am.
47.77 6.28 HTG Trujillo City,D.R. 8:10-9:40am,12:40-3:10,4:10-10:40pm.
47.77 6.28 Leopoldville,Bel.Congo 6:55-5:15am,2:30-4:30pm.
47.85 6.27 YSR San Salvador,El Salvador 8pm-12:30am.
47.86 6.25 OJCT Bogota,Colombia 11am-3,7-11:40pm.
47.08 6.24 HRD La Ceiba,Honduras 9-11:30pm; Sun. 5-7pm.
47.08 6.24 OJCF Bogota,Colombia 8pm-12:15am.
47.35 6.205 OAXSA Huancayo,Peru 9pm-12 mid. approx.
47.35 6.205 TG2 Guatemala,Guatemala 8:30-11am,7pm-12 mid.; Sat.7pm-4am.
47.39 6.20 YV5RN Caracas,Venezuela 5pm-11:30pm
47.39 6.20 CES La Paz,Bolivia 7:15-9am,7:30pm-12 mid.; Sun.4-9pm.
47.433 6.195 GRN London,England 11:50pm-2:40am
47.47 6.19 H1A Santiago,D.R. 12:40-2:40,4:40-6:40,8:40-10:40pm.
47.47 6.19 XECC Mexico City 11pm-2am next morning.
47.48 6.188 Saigon,Fr.Indo China 8-10:30am approx.
47.51 6.185 Teheran,Iran 2:30-4pm...News 3:15pm
47.51 6.185 TIRCC New York,C.R. Tu/Th/Sat 7-7pm; Sun.9-10pm
47.54 6.18 XEXA Mexico D.F.,Mexico 9:30am-12 noon,3:30-5,6:30-9:30pm.
47.58 6.175 HIST Puerto Plata,P.R. Daily to 7:40pm; Sat. to 1pm or later
47.68 6.165 HER3 Bern,Switzerland 1:40-2:40,7-8:45am,2-5:30pm.

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41.08S 7.215 ZR011 Rome,Italy 1:40-2:40,7-9:50,11:30am-2,3-6pm...News
7:30am,12:20,3:30,5,15pm.
41.08S 7.215 VUC2 Calcutta,India 2:40-5,7:30-11:15am,10-11:30pm
41.65N 7.203 YSY San Salvador,El Salvador 8:30pm-12 midnight.
41.67 7.20 EA-- Madrid,Spain 4-7pm
41.80 7.177 CREGA Lobito,Angola Wed/Sat 4-6pm
41.95S 7.15 GRT London,England 11:50pm-5:45am,3-5:30,6-8:30pm
42.00 7.143 EA19 Malaga,Spain 4-6:30pm
42.08 7.13 Oviedo,Spain 3-6pm /News 10:45pm,12:30am.
42.08 7.125 GRM Spain 9-15-10:45,10:45pm-12:45pm to NA.
42.33 7.09 EAGAA Melilla,Spanish Morocco heard to 6pm
42.40 7.075 EA Athens,Greece 1:30-6pm approx. /12:30,2,15,4am.
42.40 7.075 GRS London,England 11pm-12:45am to NA,1:45-5:45am...News-
5-6:20pm ex.Sun; Sun.4-4:45pm.
42.47 7.063 EA-- Antigua, B.W. I. 4-7pm
42.65S 7.037 EA-- Valencia,Spain 4-7pm
42.74 7.03 EA-- Madrid,Spain 4:30-5:20pm

42.93 6.985 Kuching,Sarawak 12:15 to fade-out at 2am irreg.*
42.98 6.98 FOSAA Papeete,Tahiti Tues/Fri 11:57pm-12:45am.
42.98S 6.98 Moscow,U.S.S.R. 6:30-7:20pm (6:48-7:20 to NA)
43.67 x.6.87 YNCO Managua,Nicaragua 8pm-12:30am or later
44.28 6.757 HIHSan Pedro,D.R. 8-9:30pm; Sun.6-20:7:40pm
44.28S 6.76 YNRS Managua,Nicaragua 9-10am,7:40pm-12:15am.
44.31 6.696 TIEP San Jose,C.R. 8-9am,8pm-1am
Herewith attached you will find 1.50 for one year's dues in the International Dx'ers Alliance, including subscription to the GLOBE CIRCLER.

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