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# INTERNATIONAL



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**INTERNATIONAL SHORT WAVE CLUB**  
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ARTHUR J. GREEN, Editor.

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## EDITORIAL

As the war spreads more and more over this world of ours, it becomes more and more difficult for us to keep abreast of the news on short wave radio stations. With mail either ended or greatly delayed, messages from the stations are received far too late to be of help. Our overseas members, too, have a hard time getting information to us. This puts more and more work on the shoulders of our American reporters.

For a time we considered appointing regular listeners to certain stations, such as one or two listeners to keep us informed on Russian stations, one or two to listen and report on German stations, etc. But, we realized that no one or two persons can hear all of these stations and that it requires the combined efforts of many listeners to keep us up-to-date on these and all other stations.

The International Short Wave Club is fortunate in having some of the world's best short wave listeners in our club. We are lucky, indeed, to have many famous DXers writing to us each month. Their help is considerable. Never-the-less, we need reports now from every direction, not only on new stations coming on the air, but of others who may move to a new spot on the dial, be heard on a schedule different from what we publish and such things. So, if anyone reading this page happens to hear something not listed in our list, just send us a card or letter. By co-operating with us, you are helping yourself.

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## SHORT NOTES ABOUT SHORT WAVES

Leon A. Hutchinson, 8 Willow Street, Milford, New Hampshire, is in a hospital and badly in need of some cheering up. He is a pretty sick man. We suggest that every thoughtful member drop him a card or letter today. He has been a fine reporter and a good friend of the club and you can show your appreciation by writing him now.—Last month we got pages 6 and 8 mixed up, the first time this has ever happened in our twelve years. To read that issue correctly, read page 5, then page 8, page 7, page 6 and then on to 9. In other words, turn to page 6 for page 8.—Nicola Cannata of Chicago, Illinois, got us a new member.—A. Wendell Field of San Diego, California, is trying to get us members.—Readers who happen to get this publication through the kindness of a radio manufacturer may send us reports just like an ordinary member of the club. When their free editions are concluded by that manufacturer, they can





subscribe for the magazine by writing to us direct at East Liverpool, Ohio.—Many people have asked us if they should buy a receiver today in view of the fact that National defense will soon take much valuable material. Well, the answer is this. Either an inferior substitute will have to be used or the price of the receiver increased. Most manufacturers are preparing for the later course. It would pay to buy now, before prices rise or before inferior material is substituted.—Any member of the club who can not make use of their magazine because they are now in the army, navy or marines may get the remaining amount of their membership fees upon request and any person who can use the magazine but can not afford to get it for the same reason may get it free by writing us.—Mills Van Bergen, Syracuse, New York, again brought us a new member and Richard D. Cooper of Norwood, Ohio, brought us one, too. Frank B. Shuler of Hamilton, Ohio, showed us his faith in the future of the club by paying up for ten more years.

### AMATEURS WANTED

All branches of our armed service need and want trained radio amateurs. All such men may join the branch of service of their choice by enlisting at their local enlisting branch. Those who are chosen will receive several weeks of training and will then assume posts according to their ability. Those accepted will receive a pay greater than that which is received by the ordinary enlisted man and will assume offices several steps higher than a regular soldier, sailor or marine. The navy and the signal corp also want men who are familiar with the repair and installation of radio transmitters and receivers. For further information write or call at your nearest branch.

### THE NEWS LINE-UP

One thing nice about living in a democracy is the fact that we are allowed to listen to the claims of enemies as well as our friends. This is something for which short wave fans can be thankful. Here is the English broadcasts schedules as we have it to date.

Our friends. Midnight—Over GSL, 6.11; GSW, 7.23; GSC, 9.58; ZRL 9.61. At 1:30 A.M.—over VLG3 on 11.71. At 6:20 A.M.—over VLW2 on 9.65 mc. At 6:30 A.M.—over VLG5 on 11.88 mc. and VLR on 9.58 mc. At 8:00 A.M.—over GSF on 15.14 mc. and GSV on 17.81 mc. At 6:30 P.M.—over Moscow stations on 15.11 and other frequencies. At 8:00 P.M.—over GSC on 9.58 mc. At 9:00 P.M.—over GSC on 9.58 mc. and GSL on 6.11 mc. At 10:30 P.M.—over Moscow on 9.52 mc., 15.11 mc. and others.

The Liars Club convenes at these hours and places: 7:30 A.M.—over DJL on 15.11 mc. At 9:45 A.M.—over JLG-2 on 9.57 mc. At noon—over 2RO-6 on 9.63. At 4:00 P.M.—over 2RO-3 on 9.63 mc and 2RO-18 on 9.76 mc. At 7:45 P.M.—over JLG-4 on 15.10 mc. At 9:00 P.M.—over 2RO-3 on 9.63 mc., 2RO-18 on 9.76 mc. At 9:10 P.M.—over 2RO-4 on 11.81 mc. At 10:30 P. M.—over DXP on 6.03 mc., DXJ on 7.24 mc., 2RO-3 on 9.63 mc., 2RO-18 on 9.76 mc., and 2RO-4 on 11.81 mc. At about 11:30 P.M. DXP and DXJ.

# ROUND THE WORLD IN YOUR FAVORITE CHAIR



What many people call "skill" in tuning for short wave stations is nothing more or less than knowing **WHEN** and **WHERE** to tune for stations. Nearly all short wave stations are experimental and change their wave lengths or schedules almost without notice. To know when these changes take place is as important to successful reception as having a good receiver.

The time is given in Eastern Standard. Add five hours for Greenwich Mean Time.

## NEW STATIONS

Canada. CBRX, Vancouver, B. C., relays CBR on 6.16 mc. Schedule seems to be 9:00 A.M. to 3:00 A.M. next day (Teague, Calif.)

Costa Rica. TIJMT, "Radio America-Latina," San Jose. is on 11.90 mc. and heard 5:50 till around 7:30 P.M. Announced address as Apartado 849, San Jose. (Legge, N. Y.)

Egypt. SUP-2, Cairo, on 6.32 mc. (47.47 meters), operated by Egyptian State Broadcasting Company, operates from 11:30 A.M. till 2:30 or 3:00 P. M. (Simpson, Australia and Australian Radio magazines).

Germany. New station on 6.18 mc. heard around 3:00 P.M. One on 6.20 mc. heard around 2:00 P.M. and 10:30 P.M. One on 7.285 mc. heard afternoon and evening. One on 11.88 mc. heard at 8:30 P.M. once. (Legge, New York).

Italy. Station on 7.14 mc. heard at 1:00 A.M. once with 2RO-11 on 7.22 mc. One on 11.70 mc. heard 2:30 to 3:30 P.M. Another on 11.95 mc. heard around 6:00 P.M. and later. (Legge, N.Y.) One on 10.32 mc. heard with great power at 10:30 A.M. (Simpson, Australia).

Mexico. XECC, Puebla, heard on 6.185 mc. around 10:00 P.M. (Legge, New York).

Portugal. Station in Lisbon heard just once on 7.17 mc. 2:30 to 4:30 P.M. (Legge, N. Y.)

Spain. Several new stations heard. They are on 7.025 mc., 7.037 mc., 7.09 mc., 7.13 mc. and 7.14 mc., heard between 3:45 and 4:30 P.M. One on 7.14 mc. heard 2:00 P.M. and as late as 5:30 P.M. One on 7.037 mc. is "Radio Mediterania." One on 7.03 mc. is at Valencia and uses slogan "Voz Espana" (Legge, N. Y.)

U. S. S. R. Stations announcing "This is Sverdlovsk" heard on 9.86 mc. at 12:30 P.M., on 12.06 mc. along with station on 15.08 mc. at 6:45 till

8:00 A.M. and one on 12.22 mc. along with station on 14.92 mc. heard 7:00 to 8:00 A.M. (Legge, N. Y.)

U. S. A. The National Broadcasting Company has a station KNBC operating in Hollywood, California, on 4.797 mc., 7:00 to 9:00 P.M. and on 9.135 mc. 10:30 P.M. to 3:00 A.M. or later. (Gallagher, Calif.) Announced Los Angeles on 9.135 mc at 10:35 P.M. (West Dyke, Calif.) We believe this is a portable transmitter.

U. S. A. WCRC, in New York, heard on 6.17 mc. evenings, (Diligranic, Calif.) Heard midnight to 3:00 A.M. testing, (Teague, Calif.) This station is operated by Columbia Broadcasting System at Brentwood, Long Island.

(Note: A letter from Royal V. Howard, of station KFSO, San Francisco, says no information on the proposed new station announced two months ago is available. (Teague, Mich.) It is doubtful if this station will take the air for many months now.

## GENERAL NEWS

### OCEANIA

Australia. The American program from 7:25 to 8:10 A.M. now comes over stations VLQ-9 on 7.25 mc. and VLG on 9.54 mc. The other American program 12:55 A.M. to 1:40 A.M. comes over VLQ-9 on 7.25 mc., VLG-2 on 11.87 mc. and at times over a new station, on 11.71 mc. Tests were made as follows: January 5th and 6th on 15.23 mc. and 7th and 8th on 15.16 mc. and 9th and 10th on 11.71 mc. at 4:15 to 4:45 P.M. On January 12th and 13th they tested on 9.54 mc. 7:30 to 8:00 P.M. Reports are needed by the Australian News and Information Bureau, 610 Fifth Avenue, New York City. Station VLW-2, Perth, is on 9.65 mc., not 9.56 mc. according to listeners Moore of Indiana, and Teague of California, so it must be. It is heard 8:00 to 10:00 A.M. VLG-7 on 15.16 mc. heard 11:25 to 11:45 A.M. (Legge, N. Y.) Heard 6:45 to 7:15 P.M. (Gallagher, Calif., and Keever, Ohio). Other changes are: VLR-8 on 11.76 now 3:30 to 7:15 P.M. VLG-2 on 11.87 mc. 7:20 to 10:00 A.M. and 1:00 to 1:40 A.M. VLG-5 on 11.88 mc. 4:00 to 7:00 A.M. VLQ on 9.61 mc. 3:25 to 4:25 and 1:00 to 1:40 A.M. On 11.71 mc. 6:45 to 7:15 P.M. VLQ-2 on 11.87 mc. 5:40 to 6:15 A.M. On 11.88 mc., VLG-5 1:00 to 3:00 A.M. On 11.88 mc., VLQ-7 10:35 to 11:00 A.M. A station VLF-3 heard on 19.30 mc. calling San Francisco at midnight. (Gallagher, Calif.)

Fiji Islands. Heard on 9.535 midnight to 12:30 A.M. (Sutton, Calif.) On 11.89, 3:00 to 3:30 A.M. (Teague and Field, Calif.) Heard on 15.16 mc. daily except Sundays midnight to 12:30 A.M. (Gallagher). On 15.168, 10:00 and 10:30 P.M. (Teague).

### AFRICA

Angola. CR6RB, Benguela, operated by Radio Club de Benguela with 50 watts power is on 10.95 mc. week-days now 2:30 to 3:30 P.M. and CR6RA, Luanda, operated by Radio Club de Luanda, with 50 watts power is on 9.47 mc. and CR6RC on 11.74 mc. are broadcasting Wednesdays and Saturdays 2:30 to 4:00 P.M. CR6RB and CR6RA are reported heard now in an American magazine.

Egypt. Telephone station SUV, Cairo, on 10.05 mc. heard broadcast-



ing 2:00 to 4:00 P.M. at times, (Legge). Used to relay special programs to America 7:00 to 7:30 P.M. (Sutton, Ohio).

Free France. Brazzaville, on 11.97 mc. heard at 12:30 A.M., a new time, (Simpson, Australia). Still broadcasts 10:00 to 11:00 P.M. for Americans.

Union of South Africa. ZRD, Durban, on 6.14 mc. heard now 12:30 A.M. to 2:30 A.M. (Teague, Calif.) Some South African on 5.90 mc. heard 3:00 to 4:00 P.M. and also at 11:45 P.M. (Legge, N. Y.)

## ASIA

China. Here is a line-up of Chinese stations as we have them now, twenty-one in all. XQLA, Cheking is on 5.15 mc. 1:30 to 5:30 A.M. according to a Chinese magazine. An XUD heard on 5.15 mc. at 6:00 A.M. in Australia. XGOY, Chungking on 5.95 mc. used 7:20 to 8:55 A.M. and 3:00 to 4:00 P.M. Some station is on 8.60 mc. with call like XGRH heard at 10:00 A.M. (Teague, Calif.) XLMA on 9.24 mc. heard in Australia at 7:30 A.M. XGOY heard on 9.48 mc. once 10:00 to 10:25 A.M. (Teague, Calif.) Supposed to be on 9.50 mc. 5:00 to 7:15 A. M. XGOX on 9.63 mc. used 9:00 to 10:30 A.M. XGOA on 9.72 mc. is off the air now, (Gallagher). Strong station on 9.94 mc. used 4:30 to 11:30 A.M., location not known. (Sutton, Legge, Gallagher). XGOL, Fukien on 10.00 mc. 2:30 to 7:30 A.M. listed in Chinese magazine. XGAP or XGAT on 10.26 mc. is powerful station heard 4:30 to 11:30 A.M. Reported at Peking, Peiping and Shanghai, (Legge, Sutton). Heard once 2:00 to 3:00 A.M. XGAP was Japanese-owned station on 9.56 mc. at one time, although Japanese disclaimed ownership, (Gallagher). XGOK, Canton, is on 11.65 mc. 5:00 to 9:00 A. M. XGOY is reported on 11.79 mc. in Australia at 4:30 P.M. daily XMHA, Shanghai, reported on 11.85 mc. instead of 11.88 mc., 7:00 to 8:00 P.M., evenings, as well as 5:00 to 9:00 A.M. in National Radio Club. XGOY on 11.90 mc. used 4:05 to 7:20 A.M. and 10:35 to 10:55 A.M. and heard once 1:00 to 2:00 A.M. (Gallagher). XGDN on 11.93 is China's best station in America. Heard 5:30 to 11:30 A.M. XIRS, Italian station at Shanghai, is on 11.98 mc. from 7:00 to 7:45 A.M. XGRS, Shanghai, heard on 12.02 mc. 6:00 to 8:00 A.M. evenings, (Legge, N. Y.) Heard on 12.07 midnight to 1:00 A.M. once, (Teague). Heard on 10.60 mc. at 8:13 A.M. (NRC). FFZ, French-owned station. Shanghai, was heard on 12.06 mc. 5:00 to 10:00 A.M. XGOY on 15.20 mc. now closed down, (Gallagher). Of course, the Japanese invasion of Shanghai probably meant the closing of XGDN and FFZ, although XIRS and XGRS should still operate. Late reports show these: XGRS heard 5:30 to 7:00 P.M., with English at 5:30, (Sutton, Ohio). Is operated by German radio club, 6:30 P.M. to 1:00 A.M. next day as well as 5:00 to 8:00 A.M. (Keast, Aust.) Heard 6:00 to 8:00 P.M. on 12.02 mc. (Gallagher). XGOY on 11.90 mc. heard 1:00 to 2:00 A.M. once and 7:00 to 8:00 P.M. once, off schedule, (Gallagher).

India. VUD-2, Delhi, is heard on 6.13 mc., a new frequency, opening at 8:15 A.M. daily, (Simpson). Heard at 1:50 A.M. and at 11:15 P.M. (Keast, Australia). VUD-2 heard on 9.59 mc. now 9:30 to 11:30 P.M. and around 7:30 A.M. in America (Thompson, Ohio, and Legge, N.Y.) Bombay,

Delhi, Calcutta, and Madras, all heard near 7:00 A.M. on their 4 mc. band, (Legge, New York).

Japan. The knife-in-the-backs are now using many new schedules. Here are some reports. JVV on 7.263 mc. heard 7:00 to 10:00 A.M. and at 5:30 P.M. (Legge, N. Y.) JLG on 7.28 mc. heard 4:30 to 6:00 P.M. (Legge). New station heard on 9.57 mc. 7:00 to 10:00 A.M. (Legge). JVV-3 on 11.72 mc. heard at 10:00 P.M. (Gallagher). JVV-4 on 15.235 mc. heard at 5:00 A.M. and at 4:00 P.M. (Simpson, Australia).

Java. PLN, Bandoeng, on 11.51 mc. heard at 8:30 A.M. (Sutton, Ohio). PLE on 18.83 mc. relays programs from Singapore 6:30 to 7:15 P.M. at times, (Gallagher, Calif.)

Macao. CR8AA is the new call-sign of old CRY-9, and it moved to 6.07 mc. from 6.09, (Simpson, Australia).

Manchokuo. MTCY heard in 10.05 mc., a new frequency, along with 11.775 mc. till 2:00 A.M. (Gallagher, Calif.) Heard on 5.99 mc. around 9:00 A.M. (Simpson, Aust.) Heard on 6.14 mc. at 3:25 A.M. late in December and was heard on 15.23 mc. in November, (Teague, Calif.)

Turkey. TAQ, Ankara, on 15.19 mc., heard 8:30 to 10:00 P.M. at times, (Simpson, Australia).

Siberia. RV-15, Khabarovsk, heard on 6.05 mc. and 7.21 mc., 1:00 to 2:00 A.M. or later daily, (Gallagher, Calif.) One on 6.05 mc. strong, (Teague, Calif.)

## EUROPE

Azores. Ponta Delgada, using the slogan "Aqui Portugal, Ponta Delgada" is now using 4.01 mc., where it was heard 5:00 to 7:00 P.M. with clock striking at 7:00 and signing off with the national anthem, and on 7:30 mc. from 3:00 to 4:00 P. M. (Legge, N. Y.) Heard on 4.01 mc. at 5:00 P.M. (Pickering, N. J.) Heard on 14.40 mc. again 3:00 to 4:00 P.M. (Sutton, Ohio).

England. London heard on 6.145 mc. (GRW) 12:30 to 5:15 P.M. and at 12:30 A.M. (Legge). Heard on 6.15 mc. at 9:15 P.M. (Nichols, Pa.) Station on 7.065 mc. heard early mornings and late nights, (Jones, Tenn.) The one on 6.15 mc. heard 1:00 to 2:00 A.M. (Gallagher). GRO on 6.18 mc. heard 7:00 to 10:00 P.M. (Teague, Calif.) Heard at 9.45 P.M. (Legge). GRN on 6.195 mc. heard 1:30 to 4:00 P.M. (Legge). GRV on 12.04 mc. heard 7:00 to 8:00 A.M. GRP on 17.89 mc. heard 9:00 P.M. to 1:15 A.M. GRQ on 18.03 mc. heard 9:00 P.M. to 11:30 P.M. and GRZ on 21.64 mc. heard at 10:15 A.M. (Keast, Australia). All of these stations were not listed in the official B.B.C. program papers at the time they were being heard.—Editor.

Estonia. Radio Reval, on 13.07 mc., heard at 3:00 P.M. and announced in English, (Radio Union, of Cuba).

Finland. OFE on 11.78 mc. heard irregularly 7:30 to 7:45 A.M., 2:15 to 2:30 P.M., 4:15 to 4:30 P.M. and 7:55 to 8:10 P.M. (Sutton, Ohio). OIE on 15.19 mc. heard with lady announcer broadcasting to America 7:00 to 8:00 P.M., with news at 7:20 P.M. (NRC).

France. The station once called "Y" and used by the Germans has

been heard lately announcing "Paris Mondial" with program coming from Vichy. It is on 15.24 mc., best around breakfast time, (Taylor, Mass.)

Germany. Here are some reports: DXM on 7.27 mc. signs at 8:30 P. M. (Sutton). DXJ on 7.29 mc. heard evenings till 10:15 P.M. (Van Bergen, N. Y.) MJI on 7.29 mc. heard evenings for Central America. DXP on 6.03 mc. used 4:50 to 1:00 A.M. and DXX on 6.14 mc. heard 1:00 to 6:00 P.M. daily. (Legge, N.Y.) Some German heard on 9.70 mc. 9:00 to 10:00 P. M. (Gallagher). This last could be WRUL, Boston, with German program. DXM on 7.27 mc. runs 4:30 to 1:00 A.M. next day. DXJ, on 7.29, same at times. (Taylor, Mass.)

Holland. PCJ, Eindhoven, on 15.22 mc., now under German control, broadcasts 6:30 to 10:45 A.M., 3:00 to 3:45 P.M. and 4:45 to 5:00 P.M. (Sutton, Ohio).

Italy. IRF on 9.83 mc. heard once 10:00 to 11:00 P.M. and noon to 1:00 P.M. (Gallagher). This one was silent for a long time, we understand. Several new stations are reported up front in this issue.

Norway. LKQ, Oslo, on 11.735 mc. heard at 1:00 A.M. sending list of names, ranks, etc., of soldiers, (Gallagher, Calif.) LLH, Oslo, on 9.645 mc. heard 8:55 to 10:00 P.M. with programs for America, (Legge, N. Y.)

Portugal. CSW-8, Lisbon, on 7.24 mc. heard at 3:00 A.M. (National Radio Club). CSW-6 on 11.04 mc. heard 7:00 to 8:00 A.M. (NRC). New schedules. CS2WD, Lisbon, moved from 6.20 to 6.156 mc. and is heard 3:00 to 6:00 P.M. (Legge, N.Y.) CSW-8 on 7.26 as early at 3:00 P.M. (Taylor, Mass.)

Roumania. Radio Bucharesti is on 9.27 mc., opening at 3:45 P.M. daily. Repeats nine chimes then announces. Uses Italian at 4:30 P.M., French at 4:45 P.M., English at 5:00 P.M., and Roumanian after 5:15 P.M. (Simpson, Australia). Station heard on 9.26, 4:00 till 5:05 P.M., may be Roumanian, (Legge).

U. S. S. R. The Soviets seem to jump from place to place on the dial and operate at irregular times, but here is some late news that may help. On 9.52 mc. 11:00 A.M. to noon once, on 15.23 mc. 6:00 to 9:00 P.M. daily and on 15.115 mc. 6:00 to 9:00 daily. (Gallagher). Stations on 9.86 mc., 12.06 mc., 12.22 mc. and 14.92 mc. reported at Sverdlovsk, reported up front. Moscow heard on 9.73 mc. 9:00 to 9:50 A.M. Another on 10.66 mc., same time. One on 10.08 mc. at 8:45 A.M. and one on 15.115 mc. 6:00 to 7:55 P. M. (Legge, N. Y.) One on 9.65 mc. heard 3:00 to 5:00 A.M. once, (Teague).

U. S. S. R. From Keast of Australia comes this list of Russians heard in late November and early December. On 5.89 mc., 10:00 P.M. to 1:30 A. M. On 9.43 mc. at 12:30 A.M. On 9.546 at 10:00 P.M. On 9.556 mc. 8:15 P.M. and midnight. On 10.14 mc. 10:30 P.M. On 11.81 mc. 3:15 P.M. and 1:30 A.M. On 12.24 mc. at 1:00 A.M. On 12.11 mc., 2:45 P.M. to 10:30 P. M. On 12.19 mc. at 8:30 P.M. On 12.24 mc., 1:30 A.M. and 3:30 P.M. On 14.43 mc., 9:30 P.M. to 11:40 P.M. On 14.72 mc. at 3:30 P.M., 9:00 P.M. and 11:00 P.M. On 15.10 mc. at noon. Also stations on 15.23 mc., 15.28 mc., 15.35 mc., 15.41 mc., 15.46 mc. and 15.50 mc. at times different from what

we listed. The first named were never mentioned in reports from other members.

Vatican. HVJ, on 15.12 mc. heard 9:00 to 11:30 A.M. with messages to Italian prisoners of war in Egypt, (Legge, N. Y.)

Unidentified. A station announcing "Italia Radio Libertad" heard on 11.505 mc., 3:30 to 3:40 P.M. and 7:00 to 7:15 P.M. (Legge, N. Y.). A station announcing "Radio Inconnu" heard on 9.749 mc. at 1:00 A.M. Has chimes and signs off with "Think and Act French" (Simpson, Australia). Is "Inconnu," which is French for "Unknown" and used daily 2:30 to 3:00 P.M. (Keast, Australia). A "Christian Peace Movement" on 9.43 mc. with talks in English at 2:45 A.M. (Simpson, Australia). "European Revolutionary" station on 9.64 mc. opens at midnight, (Simpson). "Radio Antoine," which may be the same station as Radio Unconnu is on 9.75 mc. 1:00 to 1:15 P.M. (A.W.A.)

### SOUTH AMERICA

Argentina. LRA-5, Buenos Aires, on 17.83 mc. heard once 5:45 to 6:30 P.M. off schedule. (Gallagher). LSN-2 on 9.89 mc., a telephone station, heard sending program once 9:00 to 10:00 P.M. (Gallagher).

Brazil. The station on 11.765 mc. known as PRF-3 now uses call PYD-8. It is heard 4:30 to 9:00 P.M. irregularly, (Legge, N.Y.) Instead of "radiodifussora Sao Paula," it uses slogan "Radio Kizora" and heard 7:30 to 10:15 P.M. with English at 9:30 P.M. (Sutton, Ohio). Some Brazilian is on 6.66 mc. 5:00 to 6:00 P.M. (Legge, N. Y.) PRE-9. Forteleza, is on 6.105 mc. 5:00 to 9:00 P.M. and on 15.165 mc. 8:00 to 10:30 A.M. Address is Caixa Postal 143. PRF-3 is on 6.095 mc., 6:00 to 9:00 P.M. Address is announced as Caixa Postal 252, Sao Paulo.

British Guiana. ZFY. Georgetown, on 6.13 mc. now instead of 6.08 mc. (Legge, N. Y.) Still on 6.08 evenings. (National Radio Club).

Chile. CB-1170, on 11.70 mc., and CB-1174 mc., both heard midnight to 1:00 A.M. now. (Gallagher, Calif.)

Colombia. HJAB, Barranquilla, on 4.78 mc. heard till 2:15 A.M. one Sunday, (Jones, Tenn.) HJAE, Cartagena, heard on 4.83 mc. and not 4.96 (Teague, Calif.) HJXC, Bogota, on 6.02 mc. heard till 12:30 A.M. instead of just 11:30, (McConnell).

Ecuador. HCFEC. Quito, on 9.35 mc. must have changed ownership. Veri says now operated by Leo Rivas, Ja., Apartado 599. Was operated by Empresa Teatros y Cinemas and address was Apartado 134. (Jones, Tennessee).

Paraguay. Anyone able to hear ZP-7, Encarnacion, on 11.703 mc. or ZP-8, Asuncion, on 11.85 mc.? ZPA-2, Asuncion, heard on 11.72 mc. till 7:40 P.M. (Legge, N. Y.)

Peru. OAX4G, Lima, moved to 6.34 mc. from 6.19 mc. and OAX5C, Ica, now is on 9.54 mc. in place of 9.80 mc. (Legge, N.Y.) OAX3A, Huanuco, on 6.20 heard till 1:00 A.M. instead of just midnight, (Teague, Calif.) OAX4Z, Lima, on 6.08 mc. verification says 7:00 to 11:30 P.M. but heard till midnight, (Jones, Tenn.)

Venezuela. YV4RK, Maracay. "Radio Maracay" heard on 3.39 mc., evenings till 9:30 P. M. (Legge, N. Y.)

### CENTRAL AMERICA

Costa Rica. TI5NRH, Heredia, on 9.72 mc. announces schedule as 11:00 P.M. to midnight, even when heard doing so as late as 12:45 A.M. (McConnell). TIWS, Puntaranas, moved to 6.07 mc. from 6.37, (Legge).

Guatemala. TGWA on 9.685 mc. heard several times as early as 4:30 P.M. And TGQA on 6.40 mc., TGWB on 6.48 mc., and TGWA on 9.68 mc. all stay on till 1:00 A.M. Sundays, (Jones, Tenn.) TGWA sends us a weekly program that shows station exactly as we list it.

Mexico. XEWI, Mexico City, heard again on 6.015 mc. one Sunday midnight to 12:15 A.M. (Field, Calif.) XEWW, on 6.02 mc., heard till 2:00 A.M. not just 1:00 and some station in Mexico City heard on 6:18 mc. at 1:10 A.M. (Jones, Tenn.) Station on 10.05 mc. saying "Bank of Mexico" is not a broadcasting station, but a phone, and will not verify.

Nicaragua. YNRS, Managua, on 8.59 mc., heard as early as 6:50 A.M. at times, (Simpson, Australia).

Panama. HP5G, Panama City, on 11.78 mc. now broadcasts 7:00 to 9:00 A.M., 11:00 A.M. to 3:00 P.M. and 5:00 P.M. to midnight, (Clark, N.Y.) HP5K, Colon, on 6.00 mc., signs at midnight, not 11:00 P.M. (McConnell).

Salvador. YSR, San Salvador, on 6.51 mc., instead of 6.27 mc., signs off at 11:00 P.M. (Diligianic, Calif.) HUB, same city, on 5.56 operates till midnight, not 11:30 P.M. (McConnell, Colo.)

### WEST INDIES

Cuba. COCY, Havana, on 11.74 mc. heard from 6:30 A.M. to 12:15 A. M. next day, (Jones, Tenn.) COCQ, Havana, heard on both 6.36 mc. and 8.83 mc. same time. (Teague, Calif.)

Dominican Republic. HI9T, Puerto Plata, moved to 6.17 mc. from 6.55 mc. (Legge, N. Y.) HI1S, Santiago, on 6.42 mc. heard signing off at 7:40 P.M. (Teague, Calif.) It is heard till 9:00 P.M. at times—Editor. HI1N, Trujillo, is heard on 12.49 mc. again, (Jones, Tenn.) This station was used three years ago and then was not heard for some time. It can be a harmonic on their regular 6.24 mc. frequency. HI1J moved to 6.03 mc. from 5.97 mc. This one has been on twenty frequencies or more this past year.

Jamaica. A letter from Dennis Gick, manager of station ZQI, Kingston, says they are on 4.70 mc., 5:15 to 6:15 P.M. and use the national anthems of both the U. S. A. and Britain "in the hope that this tribute from this colony will be appreciated in the United States." At the same time, the National Radio Club reports this station is heard as late as 8:00 P. M. Mrs. Allwood of Jamaica also writes us.

### NORTH AMERICA

Canada. CBRX, Vancouver, on 6.16 mc. is heard 9:00 A.M. to 3:00 A.M. next day, (Teague, Calif. Heard midnight to 3:00 A.M. (McConnell). A station or harmonic of CBF is on 11.00 mc. 7:00 to 9:00 P.M. (Gallagher, Calif.) CBFW, Montreal, on 6.09 mc. usually signs at 11:00 P.M. but has

been heard as late as 12:45 A.M. (McConnell). CKFX, Vancouver, on 6.08 mc., is heard 9:00 to 11:00 A.M. and midnight to 3:00 A.M. (Teague). CFCX, Montreal, on 6.00 mc. is reported back on the air in one American magazine.

U. S. A. WCRC, New York City, on 6.17 mc. and 11.83 mc. heard midnight to 3:00 A.M. (McConnell, Colo.) Heard on 6.17 after midnight, (Teague, Calif.) WCB, a telephone station operated by Press Wireless in New York heard once on 15.50 mc. relaying Mutual Broadcasting System program at noon, (Jones, Tenn.) KNBC, with studios at Sunset and Vine, in Hollywood, heard on 12.8625 mc. till 7:45 P.M. Comes on 9.135 at 8:00 P.M. Also on 6.425 mc. around 10:00 P.M. and 4.795 mc. as late as 1:00 A.M. (McConnell, Colo.) This station has been used on ships, airfields, mountain tops and other places in the past few years.—Editor.

U. S. A. KGEI, San Francisco. now has stations on the 6, 7, 9, 10, 13, 15 and 18 mc. band, (McConnell, Colo.) Heard is 7 mc. band around 8:00 A.M. (Thompson, Ohio). Announcer said on 9.67 mc. 7:00 P.M. to midnight and on 15.33 mc. noon to 7:00 P.M., different from old schedule, (Keever, Ohio). WLWO, Cincinnati, heard on 9.59 mc. around 9:00 P.M. Comes on at 5:30 P. M. (Teague and Nichols). Schedule is 7:00 to 11:30 P. M. week-days, 6:15 P. M. Sundays—Editor. Some station on 13.60 mc. relaying N.B.C. at 1:30 P.M. (Nichols). WRUL, Boston, on 9.70 mc. usually comes on at 1:00 P.M. (Jones, Tenn.) Changes in schedule have been made by WRCA on 9.67 and 15.15 mc., WBOS on 15.21 mc. and WNBI on 11.89 mc. and 17.78 mc.

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### REPORTERS

The following persons sent us news and information: Mrs. Violet Allwood, Jamaica, B. W. I.; Harold H. Moore, Notre Dame, Ind.; A. Wendell Field, San Diego, Calif.; H. A. Keever, Lebanon, Ohio; J. P. Jones, Memphis, Tenn.; Ray Simpson, Concord, West Australia. L. J. Keast, Sydney, Australia; Charles Sutton, Toledo, Ohio; Alan Teague, Ann Arbor, Michigan; Donald Teague, Santa Paula, Calif.; Mills Van Bergen, Syracuse, N. Y.; Thomas Nichols, Philadelphia, Pa.; Charles West Dyke, San Francisco, Calif.; S. B. Thompson, Philo, Ohio; George Diligranis, San Francisco, Calif.; L. M. Clark, Tuckahoe, N. Y.; Edward Taylor, Taunton, Mass.; Bill McConnell, Crook, Colo.; James Pickering, Hightstown, N. J.

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### LATE NEWS

A station announcing "Radio Antiqua" probably in Antiqua, B. W. I., heard on 7.07 mc. 5:00 to 5:20 P.M. in French once. VLG-7, Melbourne, on 15.16 mc. heard 11:25 to 11:45 A.M. ZNB, Mafeking, Bechuanaland, Africa, heard at 6:30 A.M. and 3:00 to 4:00 P.M. (Legge, N. Y.) (On 5.90 mc.)

Radio Algiers heard on 8.98 mc. at 5:30 P.M. Chungking, China, heard on 5.95 mc. at 7:45 A.M. CR6RA, Africa, on 9.47 mc. heard 3:45 to 4:00 P.M., signing off with Portuguese National Anthem, (Pickering, N. J.)



### STATION DETAILS

In an effort to make stations easier to identify and to help readers get those enraptured verifications from stations, we set aside each month a certain amount of space to give you station details. (S) means the slogan, or words used by the station announcer when referring to the station. (SO) means special songs used to identify the station as they come on or leave the air. (I) means the special signal used when the station is standing-by. (QRA) means the address of the station, where reports should be sent.

### VENEZUELA

YV1RJ, Coro, 3.30 mc. (S) "Radio Falcon," D. M. Salcedo Delina, owner. QRA: Radio Falcon, Coro. (Silent at present).

YV1RL, Maracaibo, 4.81 mc., 300 watts. (S) "Radio Popular." Relays YV1RK. (SO) National Emblem March. (I) Four marimba notes. Jose A. Higuera, owner. QRA: Apartado 347.

YV1RO, Trujillo, 3.34 mc. (S) "Radio Trujillo."

YV1RT, Maracaibo, 3.37 mc. (S) "La Voz de la Fe." Relays YV1RC.

YV1RU, Maracaibo, 3.44 mc., 300 watts. (S) "Radiodifusora Maracaibo." Relays YV1RE. Luis Mantellini, Jr., owner. QRA: Apartado 100.

YV1RV, Maracaibo, 4.75 mc., 300 watts. Relays YV1RA. (S) "Ecos del Zulia." (SO) "Strike Up the Band." (I) Gong and xylophone. Garcia Nebot and Juan Suarez Castro, owners. QRA: Apartado 37.

YV1RX, Maracaibo, 4.80 mc., 350 watts. (S) "Ondas del Lago." Relays YV1RF. Nicolas Vale Quintero, owner. QRA: Apartado 261.

YV1RY, Coro, 4.77 mc., 250 watts. (S) "Radio Coro." Relays YV1RW. (SO) "Los Tres Colores" march. (I) 4 marimba notes. Roger Leyba, owner.

YV1RZ, Valera, 4.84 mc., 700 watts. (S) "Radio Valera." (SO) On with "Ejercito Nacional," off with "Viva la Polka." Jose Luis Febres Jelambi, owner. Studios at Av. Bolivar 56.

YV2RC, Merida, 3.42 mc. (S) "La Voz de la Sierra." (SO) "Under the Double Eagle."



YV2RX, San Cristobal, 4.83 mc., 1000 watts. (S) "La Voz del Tachira." Relays YV2RB. (SO) Sousa's march "El Captain." (I) Marimba notes. Jesus M. Diaz Gonzales, owner. QRA: Apartado 37.

YV3RF, Acarigua, 3.49 mc. (S) "La Voz del Llano." Sigala & Barrios, owners.

YV3RN, Barquisimeto, 4.78 mc., 600 watts. (S) "Radio Barquisimeto." Relays YV3RE. (SO) March "15 de Septiembre." Amilcar y Rafael Angel Segura, owners. Studios: Av. Belle Vista No. 419.

YV3RX, Barquisimeto, 3.41 mc., 1500 watts. (S) "Radio America." Relays YV3RC. Studios at Ayacucho 68.

YV4RK, Maracay, 3.39 mc. "Radio Maracay." Details lacking.

YV4RO, Valencia, 4.76 mc., 1000 watts. (S) "La Voz de Carabobo." Relays YV4RA. (SO) "Gridiron Club March." (I) 4 marimba notes. Herman & Guillermo Degwitz, owners. Studios at Av. Bolivar 10.

YV4RP, Valencia, 3.46 mc. (S) "Radio Valencia." Miguel Ache, director. Relays YV4RE.

YV4RQ, Puerto Cabello, 3.48 mc. (S) "Radio Puerto Cabello." Relays YV4RR. Amilcar & Rafael Angel Segura, owners. Studios: Urbanizacion "Valle Seco."

YV4RX, Maracay, 3.31 mc. (S) "Radio Marconi." Relays YV4RG. (Silent at present).

YV5RM, Caracas, 4.98 mc., 2500 watts. (S) "Radiodifusora Venezuela." Relays YV5RB. (SO) "Unidos Para Siempre." Degwitz & Siblesz, owners. Studios: Pasaje Ramella.

YV5RN, Caracas, 4.92 mc., 2000 watts. (S) "Radio Caracas." Relays YV5RA. (SO) March "Radio Caracas." (I) 4 chimes. C. A. Almacen Americano, owner. QRA: Apartado 2009.

YV5RS, Caracas, 3.35 mc., 1000 watts. (S) "Radio Libertador." Relays YV5RQ. QRA: Apartado 508.

YV5RU, Caracas, 4.86 mc. (S) "Emisoras Unidas." Relays YV5RG. QRA: Apartado 1931.

YV5RV, La Guaira, 3.50 mc. (S) "Emisora Vargas." Relays YV5RZ.

YV5RW, Caracas, 3.40 mc. (S) "Radio Tropical." Relays YV5RL. (Silent at present).

YV5RX, Caracas, 3.43 mc. (S) "La Voz de La Patria."

YV5RY, Caracas, 3.38 mc., 1000 watts. (S) "Radio Continente." Relays YV5RI. QRA: Apartado 1908.

YV6RC, Barcelona, 3.45 mc. (S) "La Voz de Anzoatigui." Owned by government of State of Anzoatigui.

YV6RT, Ciudad Bolivar, silent at present, formerly on 4.90 mc. (S) "Radio Bolivar." Relays YV6RD. (SO) "Marcha Venezuela." Miranda & Behrens, owners. Studios at Amor Patrio No. 37.

YV6RU, Ciudad Bolivar, 4.79 mc. (S) "Ecos del Orinoco." Relays YV6RA. (SO) "Sin Nombre." (I) Bells. Enrique Torres Valencia, owner. QRA: Apartado 34.

YV6RZ, Barcelona, 3.45 mc. "La Voz de Anzoatigui." Details lacking.

YV??, 4.95 mc.; YVKB, 6.172 mc.; YVSC, 9.64 mc.; YVOR, 11.725 mc.;



YVPX, 15.315 mc., Caracas. (S) "Radiodifusora Nacional." To relay YVKA. Government station, under construction.

#### ADEN

ZNR, Ras Boradli, 12.12 mc. 250 watts. "S" Arabia calling from Aden." Gives call-sign and location in English every half hour. QRA: H. S. Bindon, Engineer-in-charge, Radio ZNR, Ras Boradli.

#### ALBANIA

ZAA, Tirana, 6.08 mc. and 7.84 mc. Government station. (I) Ten note chimes in ascending and descending scale. Languages used Italian, Albanian and Arabic. Lady announces. QRA: Radio ZAA, Tirana, Albania.

#### ALGERIA

TPZ, 12.12 mc. and TPZ-2, 8.96 mc., Algiers. (S) "Ici Radio Algeriers." RRA: L'Enfeneur en chef des PTT, 137 Rue de Constantine, Alger, Algeria

#### ANDORRA

"Radio Andorra." 11.67 mc. Lady announces in English at times.

#### ANGOLA

CR6AA, Lobito, has been heard on 7.177 mc., 7.614 mc. and 9.66 mc. 2000 watts power. (S) "Estacao Radio Difusora do Lobito." (SO) "A Portuguese." Alvaro de Carvalho, owner. QRA: Caixa Postal 103, Lobito.

CR6RB, Benguela, 9.605 mc. and 10.953 mc. Power very small. (S) "Radio Club de Benguela." Owned and operated by Radio Club de Benguela, Caixa Postal 17, Benguela.

CR6RA, Luanda, 9.74 mc., 50 to 500 watts. Also reported as CR6RC on 11.74 mc. (S) "Radio Club de Angola." Owned and operated by Radio Club de Angola, Caixa Postal 229, Luanda.

#### ARGENTINA

LRA-1, Buenos Aires, 9.69 mc.; LRA-2, 6.185 mc. and LRA-5, 17.83 mc., 1,000 watts power. Relay LRA "Radio Del Estado." Government station under the direction of Ministerio del Interior. QRA: Direccion General de Correos y Telegrafos, Buenos Aires.

LSX, Buenos Aires, 10.35 mc, 10,000 watts. Telephone station used to relay programs irregularly. Announcer says "Ellie Essie Exie." QRA: Transradio Internacional, San Martin 329.

LRU, Buenos Aires, 7500 watts. 15.29 mc. and LRX, Buenos Aires, 10,000 watts. 9.66 mc. Both relay LR-one. (S) "Radio El Mundo." (SO) Theme song written especially for LR-one. (I) four vibraphone notes. Owners, Editorial Haynes Lda, S. A. QRA: Calle Maipu 555.

#### AUSTRALIA

VLQ, 9.615 mc., VLQ-2, 11.87 mc., VLQ-5, 9.68 mc., VLQ-7, 17.80 mc. Sydney. 20,000 watts. (SO) "God Save The King." (S) "V for Victory, L for Loyalty, Q for Quality." Announcers, John Royle (English); Ronald Jackson (German); Mark Vissers (Dutch); Henri Mornand (French); Carlos Talapa (Spanish). Address: 375 Collins Street, Melbourne, or Box 780, Melbourne.

VLW-2, 9.65 mc.; VLW-3, 11.85 mc., and VLW-4, 9.66 mc., Perth, West

Australia. 20,000 watts. (SO) "God Save The King." QRA: Box 2516 BB., G. P. O., Sydney, N. S. W. Transmitters at Wanneroo.

VLR, Melbourne, 9.58 mc. and VLR8, 11.76 mc. 3,000 watts. (SO) National anthem. (S) "The Australian National Short Wave Station." (I) three notes on gong. Owner, Australian Broadcasting Commission, Short Wave Division. QRA: T. & E. Building, Collins Street, Melbourne, or Box 1866 G. P. O., Melbourne. (Also VLR-3 on 11.83 mc.)

### WAR CLOSES STATIONS

The Japanese invasion of several Far East countries have closed down a number of stations, much to our regret. We doubt, too, if the Singapore stations are on the air on schedule. Here is the list: In the Philippines were KZIB on 6.05 mc., KZRC on 6.10 mc., KZRF on 6.14 mc., KZND on 8.79 mc., KZRM on 9.57 mc. and KZRH on 9.64 mc. In Indo-China was Saigon on 6.18 and 11.78 mc. In Hong Kong was ZBW-3 on 9.63 mc. In Thailand was HSP-5 on 11.71 mc. and HS6PJ on 19.02 mc. These last two still operate irregularly. In the Straits Settlement are ZHJ on 6.09 mc., ZHP on 9.69 mc., ZHP-2 on 6.17 mc., ZHP-3 on 7.25 mc. and ZHP-4 on 11.73 mc. This last station was operating 4:30 to 10:15 A.M., according to Simpson of Australia.

### THE 3.00 MC. GROUP

- 3.30..90.90—YV1RJ, Coro, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.31..90.60—YV4RX, Maracay, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.34..89.80—YV1RO, Trujillo, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.35..89.60—YV6RS, Caracas, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.36..89.30—YV1RT, Maracaibo, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.38..88.80—YV5RY, Caracas, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.39..88.50—YV4RK, Maracay, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.40..88.20—YV5RW, Caracas, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.41..88.00—YV3RX, Baraquimeto, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.42..87.70—YV2RC, Merida, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.43..87.50—YV5RX, Caracas, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.44..87.20—YV1RU, Maracaibo, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.45..87.20—YV6RC, Barcelona, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.46..86.70—YV4RP, Valencia, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.48..86.20—YV4RQ, Puerto Cabello, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.49..86.00—YV3RF, Acarigüe, Venezuela. 4:30 to 9:30 or 10:30 P. M.  
 3.50..85.70—YV5RV, La Guaira, Venezuela. 4:30 to 9:30 or 10:30 P. M.



























Meg.	Meters	Station	City	Day	1	2	3	4	5	6	7	8	9 <th>10</th> <th>11</th> <th>N</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9 <th>10</th><th>11</th> </th>	10	11	N	1	2	3	4	5	6	7	8	9 <th>10</th> <th>11</th>	10	11						
15.24.	19.68	Vichy, France.	Heard at various times day and night.																														
15.24.	19.68	Y	Paris	.....SMTWTFSS.																						3	5	6	7	8	9	10	11
15.25.	19.67	WLWO	Cincinnati	.....SMTWTFSS.										10	11	N	1	2	3	4	5												
15.25.	19.66	CRYBD,	Mozambique.	Midnight-1:00 A.M., 5:30-7:00 A.M., noon-4:00 P.M.																													
15.26.	19.66	GSI	Daventry	.....SMTWTFSS.	1	2	3	4	5																								
15.27.	19.65	WCAB	Philadelphia	.....SMTWTFSS.													1	2	3	4	5												
15.28.	19.63	DJQ	Berlin	.....SMTWTFSS.	1	2	3	4	5	6	7	8	9	10	11	S										2	5	6	7	8	9	10	S
15.29.	19.62	LRU	Buenos Aires.	.....SMTWTFSS.																													
15.29.	19.62	VUD3	Delhi, India.	.....SMTWTFSS.																													
15.30.	19.61	2R06	Rome	.....SMTWTFSS.	1	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	1/2	M							
15.31.	19.60	GSP	Daventry	.....SMTWTFSS.	1	2	3	4	5																								
15.31.	19.59	YDR,	Socrabaia, Java	Daily 10:30 P. M. to 2:00 A. M., Sundays 9:00 P. M.																													
15.33.	19.56	WGEA	Schenectady	.....SMTWTFSS.													11	N	1	2	3	4	5										
15.33.	19.56	KGEI	San Francisco	.....SMTWTFSS.																													
15.34.	19.54	DJR	Berlin	.....SMTWTFSS.	1	2	3	4	5																	4	5	6	7	8	9	10	S
15.35.	19.53	WRUL	Boston	.....SMTWTFSS.																						10	11	N	1	2	3	4	5
17.76.	16.89	DJE	Berlin	.....SMTWTFSS.	1	2	3	4	5	6	7	8	9	10	11	S	1	2	3	4	5												
17.78.	16.87	WNBI	New York	.....SMTWTFSS.																													
17.79.	16.86	GSG	Daventry	.....SMTWTFSS.	1	2	3	4	5	6	7	8	9	10	11	S																	
17.80.	16.85	OH,	Lahti, Finland.	6:00 to 10:30 A. M., irregularly.																													
17.81.	16.84	GSV	Daventry	.....SMTWTFSS.	1	2	3	4	5	6	7	8	9	10	11	N	4																
17.82.	16.83	2R08	Rome	.....SMTWTFSS.	1	2	3	4	5	6	7	8	9	10	11	S	2	S															
17.83.	16.82	LRA,	Buenos Aires, Arg.	Fridays 4:00 to 4:30 P. M.																													
17.84.	16.81	DJH	Berlin	.....SMTWTFSS.	1	2	3	4	5	6	7	8	9	10	11	S																	
17.84.	16.81	EIRE,	Dublin, Ireland.	7:30 to 8:30 A. M., 12:30 to 1:15 P. M. daily.																													
17.89.	16.77	GRP	Daventry	.....SMTWTFSS.																													
18.03.	16.64	GRQ	London	.....SMTWTFSS.																													
19.34.	15.51	PMA	Bandoeng	.....SMTWTFSS.																													
21.45.	13.99	DJS	Berlin	.....SMTWTFSS.	1	2	3	4	5	6	7	8	9	10	11	S																	
21.47.	13.97	GSH	Daventry	.....SMTWTFSS.																													
21.50.	13.95	WGEA	Schenectady	.....SMTWTFSS.																													
21.55.	13.92	GST	London	.....SMTWTFSS.																													
21.57.	13.91	WCBX	New York	.....SMTWTFSS.																													

