

On Short Waves

Time Shown Is Eastern Standard

IN A RECENT dispatch to Charles A. Morrison, Allan A. Guttland, Berlin correspondent of the International Divers Alliance, discloses some important information on the new Zeesen wavelengths. He states that DJN (the new Zeesen transmitter on 9.54 meg) has taken up a regular service on a beam directed to South Asia, but often heard here. It operates from 5:45 to 7:15 a. m. and 8 to 11:30 a. m.

Using a different aerial DJN beams on Central America from 5:15 to 10:45 p. m. This transmitter is not actually located at Zeesen but at Königswusterhausen—two miles from Zeesen.

A new wavelength with the call DJQ (15.28 meg) will probably be put into regular use January 1, for an early morning program to Eastern Asia. The wavelength of DJE (17.76 meg) is used irregularly for special international program exchanges with South America.

DJD, Zeesen, has altered its wavelength slightly (to 11.77 meg) so as to avoid any interference with GSD Daventry, which employs 11.75 meg.

New Year's Shows

DJC, Zeesen, 16.02 meg, offers "Die Markische Frühe" (A Leisure Evening) with the Bradenburg peasants at 7:30 p. m. on Sunday, December 30. On Monday evening, December 31 (New Year's Eve) DJC will put on a special national broadcast, "A New Year's Eve," starting at 5:35 p. m. and continuing throughout the evening. At 8 p. m. the German short wave stations will send their best wishes for good luck during 1935.

The next international good-will broadcast to be presented in the series arranged by the International Divers Alliance is scheduled for Sunday morning, December 30, from 9 to 10 a. m. when "MOSCOW CALLING," will be heard through U. S. S. R. stations RNI (12 meg) and RKE (13 meg). This special broadcast direct from Moscow has been arranged through the cooperation of the U. S. Embassy.

All day long on Monday, December 31, the short wave dialer will be hearing New Years ushered in in some part of the world. It would be well to remember that at 7:30 a. m. Monday morning it will be midnight in New Zealand. At 9 a. m. it will be midnight in East Australia; 10 a. m. EST is midnight in Japan; 1:30 p. m. is midnight in India. Five p. m. is midnight in Moscow; 6 p. m. means midnight in Germany; 7 p. m. midnight in Great Britain; 10 p. m. midnight in Buenos Aires; 3 p. m. EST on Tuesday, January 1, mid-



BETTY LOU GERSON

She's from Birmingham, Alabama, this beautiful southern lass, and her accent is as pronounced as her pulchritude. Hear her as a dramatic actress on *The Story of Mary Marlin*, which begins on the NBC-WEAF network New Year's day and will be heard daily except Saturday and Sunday at 12 noon EST (11 a. m. CST).

night on the Pacific Coast, and finally 5:30 a. m. EST will be midnight in Hawaii.

Reception Review

For period of December 13-20, as reported by Charles A. Morrison, International Divers Alliance.

For once we are able to report a great general improvement in short wave conditions for the period under review.

One of the most thrilling and dramatic items of the weekly *Byrd Broadcasts* has been the two-way conversations between the men in that lonely Arctic outpost and their loved ones at home. During the closing minutes of Wednesday's broadcast on December 19, several of the "folks here at home" sent their Christmas greetings to their absent ones in Little America.

Just what this actually meant to the men, separated by some 10,000 miles from the warmth of their own fireides, is not hard to imagine.

We were successful on this same broadcast in picking up the weak signal of KFZ on channel No. 11 direct for a few minutes, and although the fading was deep and slow, and intelligibility poor, we still got a great kick out of it.

This is the third time we have been successful in receiving KFZ direct at the official *Radio Guide Listening Post* at Bloomington, Illinois.

THE 10-METER BAND has been fair to good with GSE, Daventry (15.14 meg) and PONTOISE (15.24 meg) vying with each other for best performances during the early morning period of from 9 to 8 a. m. PCJ, Eindhoven (15.22 meg) was the best we have yet heard them on Wednesday morning, December 19.

THE 25-METER BAND has shown a great improvement and GSE, Daventry (11.86 meg) has been a fine signal both on their early schedule of 6 to 9 a. m. and their No. 8 transmission from 9:15 to 10:45 a. m. PHH, Huizen (11.73 meg) has been exceptionally good during several mornings. RNE (12 meg) was heard with early tests with WQO, New York, on Fri-

day morning, December 14. DJD was heard on 11.77 meg two different mornings during the week—a mighty good harbinger of better conditions as this transmission is beamed on Asia.

THE 31-METER BAND also shows signs of waking up. DJA, Zeesen (9.56 meg) has been heard on different occasions during the week. GSB, Daventry (9.51 meg) has been best in the early afternoon. PRFS, Rio, (9.50 meg) remains surprisingly constant week in and out. One of the best signals in the evening is COU, Havana, Cuba, (9.46 meg).

THE 49-METER BAND for a change has been good both on the European stations and the South Americans. GSA, Daventry (6.05 meg) has been word perfect during some of their 6 to 8 p. m. transmissions. DJC, (6.02 meg) has ranked from fair to good. Best South Americans remain YV4RC, Caracas (6.37 meg); YV3RC, Caracas (6.15 meg); UU1ABB, Barranquilla (6.44 meg); PRADO, (6.62 meg) and a new station, TIN, at San Jose, Costa Rica, Central America, that has been very good this week on 5.30 meg.

Tuning Chitchat

210, Rome, Italy, on their 9.78 meg frequency has been excellent all this past week, bring best from about 3 to 5 p. m. We suggest you put this station on your daily S. W. menu if you like your variety hours with a Continental flavor.

This week's *Big Thrill* came on Tuesday afternoon, December 18, when a friend—Carl L. Whitehouse, of Normal, Illinois—called on the telephone and said he had a strange station on the 25-meter band speaking in some unknown tongue. By the time we had the signal tuned in the voice had stopped, but a two-tone signal with the last note a long, drawn-out quavering wail, was in progress.

We tuned in the tone signal for maximum strength and very shortly a guttural French voice was heard to say, "Allo-allo, Buenos Aires Cen. Allo-allo-allo, Buenos Aires Cen. Allo-allo-allo, Buenos Aires Cen., Radio France. I-Say-Kah."

After calling a few more times, apparently unsuccessfully, Radio France FCK signed off. A search through several lists brought our conclusion that FCK is in Monastir, North Africa. This is indicated by the call prefix, although we were unable to locate it on our lists. If anyone else has heard this station, we would like to learn its exact identity.

SPORTCASTS

Time Shown Is Eastern Standard

SUNDAY, DECEMBER 30

WGB Network—Hockey Game, 10 p. m. WGB (1720 kc)—Hockey; Blackhawks vs. St. Louis, 11:30 p. m.

MONDAY, DECEMBER 31

Yankee Network—Baseball School, 5 p. m. WHN (1000 kc)—Boxing bouts, 9:30 p. m. WNEW (1250 kc)—Boxing bouts, 9:30 p. m.

TUESDAY, JANUARY 1

NBC-WEAF Network—Rose Bowl Football Game; Stanford vs. Alabama, 5 p. m. CFRB (690 kc)—Hockey; Maplebeats vs. Detroit, 9 p. m.

WAPI (140 kc)—Football; Tulane vs. Temple, 2:15 p. m.

WGBF (1600 kc)—Wrestling Matches, 10:30 p. m.

WGB (1720 kc)—Hockey; Blackhawks vs. Montreal Maroons, 6:30 p. m.

WNEW (1250 kc)—Wrestling Matches, 11 p. m.

Yankee Network—Baseball School, 5 p. m.

WEDNESDAY, JANUARY 2

ABS Network—Hockey Game, 10 p. m. WHAC (1230 kc)—Hockey; Bruins vs. Canadiens, 11:15 p. m.

THURSDAY, JANUARY 3

ABS Network—Hockey Game, 10 p. m. WHAC (1230 kc)—Hockey; Bruins vs. Canadiens, 11:15 p. m.

FRIDAY, JANUARY 4

ABS Network—Madison Sq. Garden Bouts, 10 p. m.

Yankee Network—Baseball School, 5 p. m. WABA (1410 kc)—Boxing Bouts, 10 p. m.

WGBF (1600 kc)—Boxing Bouts, 10 p. m.

SATURDAY, JANUARY 5

CBC Network—Hockey; Montreal Maroons vs. Maplebeats, 9 p. m.

WHN (1010 kc)—Boxing Bouts, 9:30 p. m.

On Short Waves

By Ray Brennan

Time Shown Is Eastern Standard

THE COLUMBIA Broadcasting System, through its short-wave station W2XE (6.12 meg) at Wayne, New Jersey, will transmit two special good-will programs to the listeners of the world on Saturday, January 12, from 6 to 8 a. m. and again from 5 to 7 p. m. CBS will recruit the best of its talent for the programs which were arranged by the *Short Wave Club of New York* and the *International Dx'ers Alliance*.

OUTSTANDING broadcasts for the week from Zeesen, Germany, to the North American continent over DJC (6.02 meg) include the following programs. DJC's schedule opens at 5:30 p. m. and continues to 10:30 o'clock:

Monday, Jan. 7: 6 p. m.—Carnival Tunes Old and New; 7:15 p. m.—Talk, On My Departure from Germany After Six Months, by Henry Albert Phillipps. Tuesday, Jan. 8: 8:30 p. m.—Picture Book Without Pictures—the Dream; melodramas, Alexander Schwartz, reader. Wednesday, Jan. 9: 6 p. m.—Round Dances from Bavaria, by the Peasants' Band, the Munich Schrammel Band and the Munich Folk Song Trio. Friday, Jan. 11: 6 p. m.—Symphony Concert of Robert Schumann works. Saturday, Jan. 12: 7:15 p. m.—Talk, Getting Ready for the 1936 Olympic Games; 7:30 p. m.—Skiers Greet You.

AN AIRMAIL REPORT, dispatched to HP5B, of Panama City, Panama, on the occasion of the hearing of the inaugural program of this newcomer at the RADIO GUIDE official Listening Post, at Bloomington, Ill., has brought an airmail response and the first complete news regarding HP5B.

The RADIO GUIDE letter was the first U. S. report received, and the information given here previously regarding the station was quite correct, even to the measured frequency. HP5B will transmit on 6.03 megacycles (*just one channel higher than DJC, Zeesen*) during January on the following schedule: 12 noon to 1 p. m. and 7 to 10 p. m. daily. Although employing but 100 watts, the HP5B signal is strong. Address reports to Box 910, City of Panama, Panama, Central America.

PERUVIAN logs will be clarified somewhat by the information that there are two stations in Lima, Peru. The first, OAX4B, at Apartado 1242, Lima, is on 6.25 meg from 7 to 9 p. m. Wednesdays and Sundays. The second, OAX4D (Radio Dusa), Box 853, Lima, is on 5.78 meg from 9 to 11:30 p. m. Wednesday and Saturday.

On Short Waves

By Charles A. Morrison

Time Shown Is Eastern Standard

(Figures In Parentheses Denote Megacycles)

WE ARE upon the threshold of short-wave reception from one of the most fascinating of all countries—China, great and mysterious Republic of the Orient. Several reports just received tell of reception of short-wave station XGBD, Shanghai, China on a frequency of 9.58 megacycles. But you will have to get up early to hear China as XGBD is best from 3 to 5 a. m.

Commercial telephone service to China is also under way, and we would advise you to watch closely the U. S. end of this new trans-Pacific link, station KWU at Dixon, California (15.35 meg) during the late afternoons.

IF YOU THINK our Latin-American brothers don't know how to celebrate New Years in typically American style, you should have listened with us to the special program from Elias J. Pellet's short-wave station HJIABB at Barranquilla, Colombia (6.41 meg) welcoming in 1935. Reception at full loudspeaker volume brought the illusion of actually being transported to the scene of great merriment. Sounds and very few words were used to describe the scene. Train whistles, street-cars clanging, machine guns, fire crackers, fire gongs, sirens, bells tolling—all contributed to this South American picture and gave us one of the most exciting and thrilling hours we have ever put in at the dials.

At 11:45 p. m. on Tuesday, January 1, we were fortunate once more in pick-

Coming Events

This feature, informing of new programs and changes in old, will be found on page 12 of this issue.

ing up the good ship *Seth Parker* in communication with KKH, Kauai, Hawaii (7.52). The next port of call for KNRA will be Suva in the Fiji Islands.

DJC, ZEISEN, GERMANY, (6.02) again offers some programs of interest during the coming week. We suggest:

Sunday, January 13—8:30 p. m., organ concerto in B flat major (Handel). Monday, January 14—7:15 p. m., a dialogue, *What the World Owes to Germany*. Tuesday, January 15—7:30 p. m., play entitled, *Station D in the Arctic Ocean*. Wednesday, January 16—6 p. m., concert by the National-Socialist Reichs-Symphony Orchestra of Munich. Saturday, January 19—6 p. m., selections from the operetta "Wiener Blut" by Johann Strauss; 7:15 p. m., *Seamen's Yarns, Lies and other Incredible Tales*.

SOME YEARS AGO the tiny 7½-watt station of *Amando Cespedes Marin* put Heredia, Costa Rica, on the map. T14-NR11 with its fly-power was heard consistently in all parts of the world. The homely personality of Senor Cespedes Marin has created a unique place for him in the hearts of thousands of short-wave listeners, so it is with genuine pleasure that we hear T14-NR11 is soon again to take to the ether lanes, this time with greatly increased power. T14-NR11 will probably transmit on 45 meters (6.66 meg).

TWO STATIONS in South America that ordinarily are none too good have been exceptionally enjoyable during the past week. The first is *Radio Manizales*, Manizales, Colombia, with call HJ4ABB (7.2) and *Colombia Broadcasting* at Bogota, Colombia (7.4).

On Short Waves

By Charles A. Morrison

(Figures in Parentheses Denote Megacycles)

(Time Shown Is Eastern Standard)

THIS BYRD Epic of the Ether Lanes brought some new thrills last evening, January 9, when direct two-way conversation between New York and Little America was successfully carried on for a full half-hour period.

An announcement of tremendous scientific import was made by Admiral Byrd when he told Captain Ashley McKinley that recent soundings by research

parties had proved that at least 22,000 square miles of the so-called Polar Ice Cap is resting on solid earth. In fact, the explorer stated, solid earth can be reached in a 15-mile walk from camp.

As the closing chapters in this great radio drama are now being enacted, we urge everyone to hold open 10 to 10:30 p. m. on Wednesday nights for a date with Antarctica.

OFFICIAL word from the E. I. A. R. in Rome, Italy, states that the regular schedules and wave lengths of the new Rome stations are as follows:

Meters Meg.

2RO	Daily	2:30-5:00 p. m.	30.67	9.78
2RO	Mon.-Wed.-Fri.	7:45-9:15 p. m.	30.67	9.78
IRA	Mon.-Wed.-Fri.	6:00-7:30 p. m.	49.30	6.08

The afternoon schedule of 2RO is coming in exceptionally well and may be enjoyed for the entire period. We know of no short wave station that equals its splendid modulation. At times it is hard to believe you are listening to a foreign station several thousand miles distant. A woman makes all the announcements (in Italian) for the afternoon programs.

Continued

Anspacher, nar-	ABS—Voice of Romance: WPRO Y. N.—News: WLBZ WEAN WFEA WICC WNAC WOHC WBEN—To be announced (NBC) WBZ—Weather, temperature: News WKHW—Back Home Hour
Airs 0 p.m.	11:15 p.m.
Froman; Modern Black's Orch.: Y WEEI WCSII WTEN WTEN WTAG King's Orch.: C WAAB WOKO W	CBS—Little Jack Little's Orch.: WLIZ WFEA WNAC NBC—Jesse Crawford, organist: Dorothy Page, contralto: WJZ ABS—Dancing 'Til 1 A.M.: WPRO WBZ—Beacon Mixed Quartet WEAN—Local News WHAM—Ray Berry, organist WICC—News WSYR—The Midnight Hour
Night: WEAN Austin's Orch. Es Old and New Echoes Hour Susan's Orchestra That Endures Game 5 p.m. Girali, bass-baritone S.Y.R. WBZ al Society Pro- Traders 10 p.m. Story: WEAF EN WTEN WTAG WGY	11:30 p.m.
Guild: WABC IC WHEC WFEA C WKBW WLBZ B American Fireside: WJZ WBZ WHAM shioned Amateur Orchestra l Program ns' Emergency Re- program 15 p.m. es' Orch.: WARC AB WICC WOKO Z WKBW WFBL	NBC—Josel Cherniavsky's Orch.: WEAF WEEI WJAH WTEN WGY WCSII WTIC CBS—Leon Belasco's Orchestra: WABC WOKO WOEC WLBZ WFBL WHEC WGR WEAN WFEA WICC WNAC NBC—Emil Coleman's Orch.: WJZ WBZ WBEN—News; Heart of Home Hour WOR—Current Events
isssle's Orchestra: 10 p.m. King's Orchestra: AG WJAH WEEI WTIC Little Jack Little's BC WOKO WDRC C WGR Trio; News: WJZ TR	11:45 p.m.
	WJAM—Emil Coleman's Orch. (NBC) WOR—Florence Richardson's Orchestra
	12:00 Mid.
	NRC—Abe Lyman's Orchestra: WEAF WGY WJAH CBS—Cab Calloway's Orchestra: WABC WGR WOKO WNAC WFBL WICC WEAN NBC—Freddie Berrens' Orch.: WJZ WBZ
	12:15 a.m.
	CBS—Gus Arnhem's Orchestra: WABC WOKO WGR WEAN WNAC WICC WOR—Felix Fernando's Orch.
	12:30 a.m.
	NBC—Don Pedro's Orch.: WEAF WGY WJAH CBS—Frank Bailey's Orchestra: WABC WOKO WNAC WEAN WFBL WICC NBC—Stan Myers' Orch.: WJZ WBZ WOR—Julie Winters' Orchestra

Tune for These

THIS NEXT International Good-Will Broadcast in the series being presented by the *International Dx'ers Alliance* of Bloomington, Ill., will come from station HIPSB, "Radio Panama, S. A." of Panama City, Panama, operating on 6.03 meg. The broadcast will take place from 9:30 to 10:30 p. m. on Saturday, January 26. There is something different about the programs presented by HIPSB which make them outstanding, and we urge you to be on hand for this broadcast.

DJC, ZESEN, GERMANY (6.02) presents the following features in their North American Zone Broadcast for the next week:

Sunday, Jan. 20: 7:30 p. m., The Homeland revisited in Song. Tuesday, Jan. 22: 6 p. m., Selections from The Flying Dutchman. Wednesday, Jan. 23: 6 p. m., Scenes from Schiller's drama, Wilhelm Tell. Thursday, Jan. 24: 6 p. m., Variety program, All Change Here. Friday, Jan. 25: 7:30 p. m., Kabeljan and Knatterkerl, scenes of merriment at aerial and microphone.

DJC, by the way, offers news in English nightly at 8:15 p. m.

YV5RMO, "Echoes de Caribe," of Maracaibo, Venezuela, was heard on a new frequency at the low frequency end of the 25-meter band on Sunday afternoon (Jan. 6) and signed off near 6 p. m. The station was received with excellent volume and tone quality. We are wondering if this is the vanguard of a general exodus of South American stations to the higher frequencies this Spring. At least this would provide us with a variety of our favorite Latin music during the Summer.

On Short Waves

(Time Shown Is Central Standard. Figures In Parentheses Denote Megacycles, or Thousands of Kilocycles)

HERE ARE a few goals to attempt if you've become bored with logging the so-called local short-wave stations—such as Daventry, Zeesen, Rome, etc. In each case the frequencies and schedules of the following stations have been confirmed definitely quite recently:

New station in Penang, Federated Malay States, reported by our Australian correspondent. Call is ZIZZ. Frequency approximately 6.09 meg and schedule from 5 to 8 a. m. daily.

VPD, Radio Suva, Fiji Islands (13.705) back on air Monday to Friday from 6 to 7 a. m. and Saturdays 11:30 p. m. to 12:30 a. m.

HAS (15.4), Budapest, Hungary, on air Sunday, 7 to 8 a. m. Report made by Paul Dilg, Evanston, Ill.

CT2AJ, Ponta Delgada, Azores (4.002), now broadcasting Wednesday and Saturday from 4 to 6 p. m.

Advance High Spots

HIGH spots offered in the coming week are, first, a feature program from W2XAF, Schenectady, N. Y. (9.53), on Saturday, February 2, beginning at 5:45 p. m. with a two-way conversation between W2XAF and station HJIABB, in Barranquilla, Colombia (6.44). At 6 p. m. W2XAF will tell the Central American to "take it away," whereupon HJIABB will relay to W2XAF for rebroadcast a delightful hour of Colombian music and song, sung as can only Elias Pellet of HJIABB. WGY will also carry the 75-minute show on the regulation broadcast wave.

Second of the high spots is the Zeesen, Germany, program, DJC, Zeesen (6.02).

By Charles A. Morrison

exceptionally good of late on their North American Zone transmissions, announces: SUNDAY, January 27, 6:30 p. m., songs of other nations; TUESDAY, Jan. 29, 5 p. m., selections from the operetta Grigi by Paul Lincke; WEDNESDAY, Jan. 30, 5 p. m., favorite works of German Masters; THURSDAY, Jan. 31, the Legend of Beautiful Young Libetee

Moscow Calling

FRIDAY morning, January 11, RNE and RKI, 12 meg and 15 meg respectively of Moscow, Russia, were heard with volume fair to good relaying a program of the All-Union Radio Orchestra for rebroadcast in this country by NBC. The rebroadcast began at 8 a. m.

Tuesday morning, January 15, W2XAF, Schenectady (9.53), was heard carrying on a conversation with Mr. Farmer of VK2ME, Sydney, Australia. The time was 11:45 a. m. Both sides were heard plainly.

One of the highlights of this week was when we picked up IIBJ, Geneva, Switzerland (14.53) at 8 a. m. on Tuesday, January 14, testing with WQV, Rocky Point, preparatory to an NBC rebroadcast. The chain hook-up started promptly at 8:30 a. m. The broadcast originated in the Secretariat of the League of Nations, and flashed to the world the first official news of the overwhelming victory of Germany in the Saar Plebiscite.

IIBJ was held at full loudspeaker volume and perfect audibility during the entire broadcast. The short wave direct reception in fact was every bit as good as the rebroadcast over local broadcast stations.

SOME TIME ago we announced in this column that for the 10,000th report of reception, HC2RL, in Guayaquil, Ecuador, would award a fine Panama hat. We are pleased to announce this hat will be worn by Miss Edith F. Reeks, of Chicago. So you see, they can tune, too.

A COMPARATIVELY newcomer is YNLF, in Managua, Nicaragua, on (6.4) between 7-8 p. m.

Admiral Byrd's January 16 sinking brought the news that the S. S. Ben of Oakland is ploughing its way steadily through southern waters closer and closer to Little America. It is expected to reach the Bay of Whales by January 26.

Editor's Note: Next week's issue will contain an exclusive and highly dramatic story by Mr. Morrison, short wave columnist, on how short waves helped Amelia Earhart Putnam to fly the Pacific Ocean.

Studio News and Notes

By Harry Steele

A PACKAGE OF cereal addressed to him without a line of explanatory comment surprised PAUL LANAGAN recently. A day or two later he was pleased to learn that it was an offering from the sponsor who will feed the

Short Waves Amelia's Guardian Angel

By Charles A. Morrison

THREE GREAT parts that short-wave communication played in the recent flight of Amelia Earhart Putnam from Honolulu to San Francisco, is not even surmised by the millions of persons who followed the flight. It is told here for the first time, as narrated by Mr. Frank D. Andrews to your correspondent. This is the true story of how constant vigil was exercised in guiding Miss Earhart safely across the turbulent Pacific.

To many persons, short-wave listening is simply a thrill, a hobby, a strange and mysterious phenomena of radio science that permits them to pick up foreign countries. Far too few realize the vital commercial importance of short-wave communications. Every day countless lives depend to a very real extent upon the commercial application of these same short-waves.

Walter McMenamy, Carl Haverlin of station KFI, and Frank D. Andrews, noted short-wave commentator of KFI, handled the two-way communication between the mainland and the Earhart plane from the time it took off in Honolulu until ten minutes before it landed on the field at Oakland, California. The staff of KFI also stood watch for seventeen hours straight through, including the telephone girl assigned to the seat.

Frank Andrews, describing it in his own words, says:

"Quite some time ago the arrangements for this were made, and when Miss Earhart tested out her plane and radio eight days ago, Walter, Carl and I stood watch. It was really on our judgment that the radio was pronounced a safe bet, and it was decided to carry on with the flight with that equipment. It was a good thing these tests were made, as I never knew that 50 watts on 3105 kc could come through an R5 or R6 2,800 miles off the coast in daylight. Anything else notwithstanding, Miss Earhart addressed all of her communications to KFI—calling 'Hello, KFI—'Hello, KFI—'Okay.' Then she would shut off. She came on at seventeen minutes and forty-seven minutes past the hour.

"Regular equipment was all set up at the Oakland airport, and plainly, from reports there, they knew nothing of Miss Earhart's progress from 10 a. m. until they sighted her about ten minutes before she landed, while Walter was tuned in to her and heard everything she said during that time. About every fifteen minutes she addressed KFI. The press report at about 11 a. m. said she was sighted over land 60 miles south of Oakland, and at the moment that the report came out she was

talking to KFI, saying 'I am coming all right—Okay'. When she said 'Hello, KFI—Hello, KFI—I think I see land, I believe I am near San Francisco,' the Oakland force was still trying to get her. In fact, five minutes after that they signed off at the airport—which shows that no one but Walter was getting her.

"At one point she said, 'Hello, KFI—I am enjoying the opera. It is coming in fine—Okay.' We knew she was all right then. She became very tired about 4:17 but braced up considerably about 9:30 a. m. Carl Haverlin organized two amateurs here at Los Angeles and two at Oakland to handle direct communications to let the public know where she was, as KFI was stuck with the opera, which by the way, we did cut into when everything indicated she was lost. She never gave her speed or approximate bearing, so Mr. Dulberg said, 'Break into the opera, it means her life,' so we cut in as soon as a number was over and came back to her.

"Well, it's all over now, and she certainly deserves all the congratulations in the world. I have had no sleep, nor have I laid on a bed for thirty-six hours, but it was well worth it to be on this radio detail, which made history."

On Short Waves

By Charles A. Morrison

(Time Shown Is Eastern Standard. Figures In Parentheses Denote Megacycles, or Thousands of Kilocycles)

NOW picturesque Hungary, one of the political hot spots of Europe, throws its hat into the ring and has joined the ever growing group of countries putting on empire broadcasts, made internationally famous through the pioneering of Daventry, England; Pontoise, France, and Zeesen, Germany.

Powerful 20,000-watt short-wave transmitters have been erected at Szekesfehervar (try that on a sore throat) near Budapest, using the calls of HIAS and HAT respectively. HAT (5.4) may be heard Monday nights from 8 to 9 p. m. and HIAS (15.37) may be heard Sunday mornings between 8 and 9 a. m.

One of the first listeners to report the new HIAS is Paul Dilg, of Evanston, Illinois, who say HIAS comes in weak in the Chicago area about 8:30 a. m. and gradually improves in volume until sign-off at 9.

Mr. Dilg also informs that LKJI of Oslo, Norway, gives its latest schedule as 5 to 8 a. m. on 9.54 megs and from 10 a. m. to 6 p. m. on 6.13 megs.

OUR Berlin correspondent, A. A. Gulf Island, sends the following schedule of hours and frequencies for Zeesen during the month of February:

Call	Megs	Hours	Directed to
DJQ	15.28	12:30—2 a. m.	East Asia
DJB	15.20	12:30—2 a. m.	Australia
DJB	15.20	3:45—7:15 a. m.	South Asia
DJK	9.54	3:45—7:15 a. m.	South Asia
DJK	9.54	8—11:30 a. m.	South Asia
DJA	9.56	8—11:30 a. m.	East Asia
DJD	11.77	Noon—4:30 p. m.	Africa
DJC	6.02	Noon—4:30 p. m.	Africa
DJA	9.56	5:15—9:15 p. m.	S. America
DJN	9.54	5:15—10:30 p. m.	Cen. America
DJC	6.02	5:30—10:30 p. m.	N. America

Give Us the Byrd!

JUST one of those amusing incidents of short-waving. Few of us have ever thought of Little America as a summer resort, but last night (Jan. 23) as I listened to the news bulletin over GSA, Daventry, at 7:45 to 8 p. m., the announcer stated that at one point in Ontario a temperature of 73 degrees below zero had been reported.

I looked at the thermometer here. It registered six degrees below zero.

In New York City the worst snowstorm since the early eighties was in progress, so can you blame me for considering packing up my things and starting for Little America when Bill Haines, on the broadcast of the Byrd Party, reported a measly four degrees above zero?

FROM frozen Antarctica to the South Seas! Russell Ball, of Elkhart, Indiana, tells us that on Wednesday evening, January 16, KNRA, the Good Ship Seth Parker, was picked up at 10:29 p. m. on a wave length of 24.3 meters (12.44) working with Honolulu and KEN, San Francisco. They were testing different aerials for directional effect. Sweeney gave the longitude and latitude, which Mr. Bill later calculated would place the ship about 3,000 miles south and 350 west of Hawaii, or 750 miles east of Samoa. The signal was full loudspeaker strength at start but faded completely at 11:03 p. m. Thus, KNRA is about 7,000 miles away.

Those listening to the American Hour from Rome on Wednesday evening, January 21, were treated to another famous opera from the Scala in Milan. Tito Schipa, Beniamino Gigli and other favorites from the Metropolitan are singing here. Opera lovers should not miss the American Hour from Rome. Tune in ZKO (6.0K) Monday, Wednesday and Friday from 6 to 7:30 p. m.

On Short Waves

By Chas. A. Morrison

(Time Shown Is Eastern Standard. Figures In Parentheses Denote Megacycles, or Thousands of Kilocycles)

THE past week might appropriately be called "Nicaragua Calling," for during this period two new short wave stations have been logged for the first time from our sister republic of Nicaragua, in Central America.

Lake Nicaragua is the largest fresh water lake between Lake Michigan and Lake Titicaca in the highlands of Bolivia and Peru. Here the City of Managua nestles. "*La Voz de los Lagos*" appropriately is the Spanish name, meaning The Voice of the Lakes, used in connection with station VN-10P which was logged this week several different nights on an approximately 6.38 megs. The station seems to sign off at 11 p. m., and is located in Managua, according to the frequent Spanish announcements.

The second Nicaraguan was picked up at 7:15 p. m. Saturday, January 26, while tickling out a little tune on a music box. An announcement in perfect English stated that this was YNE, at Puerto Cabezas, in Nicaragua, about 150 miles from the Panama Canal. Puerto Cabezas is in the heart of the great mahogany forests. YNE was logged on about 6.4 megs.

The address on the new Hungarian stations reported in last week's column, in answer to many requests, is: Research Labs. for Electrical Communications, Gyuli St., 22, Budapest, Hungary.

VE9CS, heard in the past in this district, reports that they are getting quite good results on TWO WAY IS of power, but hope to increase to ten watts in the near future. This station is owned by Radio Service Engineers, Ltd., 734 Davie St., Vancouver, and report their present schedule as Sunday, 1:45-9 p. m. and 10:40 p. m.-1 a. m.; Tuesday, 6-7:30 p. m., and daily, 6-7:30 p. m. Frequency is 6007 megs.

Opera lovers should rise early (3:15 to 7:30 a. m.) and tune for VK3LR, Albury, Australia (9.58). Grand opera, with some famous stars singing, is being relayed from an Australian network.

Drummondville, Quebec, has a commercial phone CJA (on 12.15) which has been very active of late in an apparently new Trans-Pacific Circuit with VIV, Melbourne, Australia (11.99). Both ends may be picked up with fair consistency between 10 a. m. and noon. VK2ML frequently joins the circuit.

THE SPECIAL BROADCAST last Saturday night from Radio Panama, HP5B, at Panama City, was a huge success and every number came through with crystal clearness, marred by only occasional static crashes. Outstanding features of the program were some typical Pan-American numbers. The music was very weird and was accompanied by some high-pitched wailing which could not be called singing.

Here's a tip to song writers: Many an inspiration for new songs could be gotten from a careful study of the high frequency offerings of some of these remote lands.

The "Sail Parker," KNRA, while riding the surf just off the coast of Aitutaki, the northwestern-most island of the Cook group, incidentally supplied a program aired in part by NBC from 11:15 to 11:30 p. m. on Thursday, January 24, which consisted wholly of Paul Lord's interesting effort to teach a group of New York composers a new melody which he picked up from hearing it rendered in its wild, original state by natives of Tahiti.

No doubt this will appear on Broadway revamped and re-worked as the Hit of the Week before this column reaches print.

On Short Waves

By Chas. A. Morrison

(Time Shown Is Central Standard. Figures In Parentheses Denote Megacycles, or Thousands of Kilocycles)

SHORT WAVE conditions have been exceedingly poor during the past week. If it hadn't of been for two fairly good nights, I would have probably taken the axe to my radios. If this is the beginning of the so-called good seven-year cycle for short wave reception, we must be entering at the back door.

SATURDAY NIGHT, February 2, marked the world premiere of still another South American short waver, this time YV6LV (Way Way Seis Estay Vay), in Valencia, Venezuela. This new station was built by the famous South American radio engineers, Srs. Hermann and Guillermo Degwitz. The opening was from 7:30-8:30 p. m. and the portions of it that could be unscrambled from HP5B on exactly the same frequency were enjoyed. Several months ago YV6RV started to build their station and reserved the wavelength of 49.75 meters (6.03). In the meantime, HP5B, *The Voice of Panama*, came on the air utilizing the very channel which was to have been used by YV6RV. So now neither broadcast is worth listening to. Too bad.

In the meantime, not to be outdone by their next-door neighbor, Colombia, speaks forth with two new short wave voices. John DeMyer, accomplished short wave listener of Lansing, Michigan, reports HJ4ABA of Manizales, Colombia, testing on 50.6 meters (5.93), and HJ4ABN, also in Manizales, on 49 meters (6.12). HJ4ABN gave their address as P. O. Box No. 50. Mr. DeMyer further states that HAT, Budapest (2.4), is now operating 8-9 p. m. each Sunday night.

ONE OF THE GROUP of short wave stations owned by Companhia Radio Boliviana, La Paz, Bolivia, which is a good catch here is CP4 in Oruro, Bolivia, which operates on 5.5 megs from 6:30 to 7:30 p. m. irregularly with a power of 200 watts.

Advance Programs

DAVENTRY, GSA 16.051 and GSC 19.581.
Sunday, Feb. 17, 5:45-6:45 p. m.—Program of Canadian music.
Monday, Feb. 18, 5:45-6:45 p. m.—Scrapbook for 1921 presented by Leslie Bally and Charles Breuer.
Tuesday, Feb. 19, 6:45-7:15 p. m.—"Nonsense," 45 minutes of bivalley by Reginald Smith.
Wednesday, Feb. 20, 5:45-6:45 p. m.—B. B. C. Empire Orchestra.
Thursday, Feb. 21, 6:30-6:45 p. m.—Talk, "A View of the British Industries Fair" by Hon. G. H. Ferguson, High Commissioner for the Dominion of Canada.
Friday, Feb. 22, 5:30-6:15 p. m.—"All Moonshine," variety program.
Saturday, Feb. 23, 5:55-6:45 p. m.—Running Commentary on the second half of the International Rugby match between Ireland and Scotland. Relayed from Dublin. (By Courtesy of the Irish Free State Broadcasting Service).

ZEESEN, GERMANY, 49.23 METERS (6.02).
Sunday, Feb. 17, 5:15-6:15 p. m.—Sunday Concert.
Monday, Feb. 18, 6:30-7:15 p. m.—"From the Oder to the Baltic," a radio sequence with music.
Monday, Feb. 18, 7:30-8 p. m.—"At Carnival Time All Stamps Required," a merry radio-tale.
Tuesday, Feb. 19, 5:6-15 p. m.—"Cost Fox Tulle," selections from the opera.
Wednesday, Feb. 20, 5:55-6:45 p. m.—The Spell of Beautiful Voices.
Thursday, Feb. 21, 5:6 p. m.—Concert by the Berlin Philharmonic Orchestra.
Friday, Feb. 22, 5:6-15 p. m.—Beethoven concert.
Friday, Feb. 22, 6:30-7:15 p. m.—"The Twin Brothers," a song play.
Saturday, Feb. 23, 6:6-15 p. m.—How the Horst Wessel song came into being; talk by Engle Wessel.

On Short Waves

By Chas. A. Morrison

(Time Shown Is Eastern Standard.
Figures in Parentheses Denote Mega-
cycles, or Thousands of Kilocycles)

READERS will recall this writer reporting several weeks ago what he believed to be an unlisted station, YNE, in Puerto Cabezas, Nicaragua. An unusual feature of this reception was the tinkling tune played on an old-fashioned music box before the sign-off.

Yesterday an air-mail letter arrived bringing definite confirmation of this reception at our Listening Post. A. Krog, the owner of YNE, also operates amateur stations YNIBX, and YNIXL. Apparently our reception was the first regular report received from a listener in the United States.

Mr. Krog went on to say that it wasn't a music box we heard but his *alarm clock*. It seems the clocks down there tinkle out little tunes instead of the rude summons used here. The aria was from the opera, *The Dollar Princess*!

YNL uses only about 50 watts of power, and has no regular schedule, although Mr. Krog would like to have us watch for him on about 6.5 megs between 6:45 and 7:15 p. m. Furthermore, Mr. Krog will be testing YNIXL (11, 12.76 and 13.93 megs) between 1-2 p. m. on February 18 and continuing daily for some time. Mr. Krog is particularly anxious to contact by phone or CW any powerful amateur transmitter in this country.

Saturday evening, February 16, a broadcast from Admiral Byrd's flagship, KJTY, was intercepted through the Hawaiian relay station KKH, at Kahuku.

WE HAVE HAD so many requests to straighten out some of the mysterious Latin stations lower in frequency than the regular 49-meter band, that we think a little list of the principal ones you will find as you turn your dial higher in meters, or lower in kilocycles, might be of use:

Station XEBT, on exactly 50 meters, or 6 megs, can be readily found by the continual code that is on this frequency, and also by the cuckoo call used for identification. Next lower in frequency on 50.16 meters (5.98 meg) we have a group of three stations which use this channel or very close to it: HJX, Santo Domingo, Dominican Republic, on Tuesday and Friday evenings from 8:10-11:10 p. m.; second, HJ3ABH, Bogota, Colombia, which is on an irregular schedule and can be distinguished by the series of notes struck on a gong before announcing (*Other stations also use this means of identification*); and third, a new station, NECW, a 10-watter of Mexico, D. F., whose modulation is so poor that it can't be missed. Its schedule is reported 7-8:30 p. m. and 10:30 p. m. to 1 a. m.

Now moving on, we come almost at once on 50.25 meters (5.78 megs) to YNL.F. Managua, Nicaragua, which has recently moved to this channel. HJ4ABE, Merellin, Colombia (5.93 megs, or 50.59

meters) is next and has been coming lately with exceptional strength. It is believed, they have increased their power. HJ4ABE relays broadcast station HJ4ABK of the same city.

Little HJ2ABC, in Cucuta, Colombia, (51.11 meters or 5.87 megs) is next stop, and it is surprising how well this tiny station comes in at times. Next we arrive at YV5RMO, Maracaibo, Venezuela (51.28 meters or 5.85 megs) one of the principal stations on this end of the dial. One stroke on a gong is the station marker.

WTIR, Albrook Aviation Field, in the Canal Zone, was heard with excellent signal strength calling Chanute field on Wednesday evening, February 20.

Advance Programs

EARLY SUNDAY morning, March 3, from 2:30-4:30 a. m., an unusual broadcast will be heard from amateur station VK3ZX located in Victoria, Australia. VK3ZX will operate on 7 megs. It has been heard quite frequently in the United States although using only 25 watts. This will be a real DX catch. This program is sponsored by the *Short Wave Club of New York*. A similar broadcast will also take place on Sunday morning, March 10, at the same hours.

**"ON HIS BACK" yet
HE'S 100⁰⁰ A MONTH
GETS FOR 2 YEARS**

FOR ONLY 1c A DAY

WOULD you like to receive up to \$100.00 every month when you need it most—while disabled? Also assure your loved ones up to \$1000.00 in event of accidental death?—all for 1c a day, only \$3.65 a year? Every accident covered, including those of occupation. Benefits increase 10% each year for five years without extra cost. STERLING, an old reliable company, enables thousands to be protected at this amazingly low cost, because we deal by mail.

**FREE
INSPECTION
Send No Money**

Persons 18 to 70 years of age eligible without doctor's examination. Just send your age and beneficiary's name and relationship. Policy mailed for 18 days. Free Inspection. No obligation. No sale! Write today!

**STERLING CASUALTY INSURANCE CO.
991 Insurance Center Bldg., Chicago, Ill.**

No JOKE To BE DEAF

—Every deaf person knows that—
Mr. Way made himself hear his watch tick after being deaf for twenty-five years, with his Artificial Ear Drums. He wore them day and night. They stopped his hard noises. They are invisible and comfortable, no wires or batteries. Write for TRUE STORY. Also booklet on Deafness.



THE WAY COMPANY

229 Hoffmann Blvd.

Detroit, Michigan

**Roll Your
FAT Away**

NO DIET - MEDICINE - EXERCISE

An amazing patented invention called ROLLETTE, developed in Rochester, Minn., makes it possible for you to rid your self of undesirable pounds and fat quickly. Takes off only where needed. Low reaction from the body. This method of reducing approved by physicians everywhere. Under pressure and recommended by Dr. Mental name and address for free trial offer.

ROLLETTE COMPANY, Dept. 147,

3826 N. Ashland Avenue, Chicago, Illinois

On Short Waves

By Chas. A. Morrison

(Time Shown Is Eastern Standard.
Figures in Parentheses Denote Megacycles, or Thousands of Kilocycles)

RECENTLY another first was marked up for short waves when a blast from a referee's whistle in Schenectady started the final game in the National Basketball Championships of Colombia, South America. Speaking into a radio microphone at General Electric's short wave station W2XAF, George Tilden, who has been identified with basketball as player and referee for 40 years, asked the respective captains of the two teams 3,000 miles distant if they were ready. Then he blew his whistle.

The shrill blast was picked up in the new Olympic stadium in Barranquilla, Colombia, and fed into loudspeakers on the basketball court. The game was part of the third national Olympic games of South America and the two competing teams were from Bogota and Cali in Colombia. Cooperating with W2XAF was Señor Eustasio Pellet's station, HJ1ABB.

The station that many thought was XETE, Mexico City, coming back on the air, has been definitely established by PAUL DILLIG, of Evanston, Ill., to be HP5J, of Panama City, on 9.59 megs. They announce in Spanish and English at 8 p. m.

AND THE STATION that has been causing your columnist much concern during the last few weeks on 7.8 megs has at last been found to be HC2JSB in Guayaquil, Ecuador. This station comes through fine almost nightly and signs off at 11:20 p. m. It has never been heard to

Continued

Night.	WEAN	CBS—News; Little Jack Little's Orch.; WABC WGN WFEA WDRC WFBL WOKO WICC
Dreams Pride,"	Play	WBZ—Vic Jerome, baritone WEAN—Local News
Picture man's Orchestra That Endures		WHAM—Pop Concert WLB—To be announced WNAC—Hockey Game WOR—Mountaineers; Girls' Trio WORC—News, Service
5 p.m.		WSYR—The Midnight Hour 11:30 p.m.
Loward, contralto; WBZ Society Pro Trailers		NBC—News; Temple of Song; Chicago A Capella Choir; Edie Davies, Icarian; WLAI; WEFL

announce in English, but before announcing in Spanish a huge gong is struck.

Advance Programs

Daventry, England, GSA (6.05) or GSC (9.58)
Monday, March 11, 6:15 p. m.—A talk from the woman's point of view: "The Drawing Room of the Empire," by Miss Winifred Wren.
Monday, March 11, 6:45 p. m.—"Major Butlerfield's Adventure," a play in one act.
Tuesday, March 12, 6:15 p. m.—Hannah Hill's "An Earful of Music," 45 minutes of song and harmony with Eve Becket, Brian Lawrence, John Burnaby and Ronald Hill.
Tuesday, March 12, 7:00 p. m.—Technical talk by Noel Ashburner, chief engineer of BBC.
Wednesday, March 13, 6:00 p. m.—The National Hunt Steeplechase, a running commentary by H. C. Lyle, relayed from Cottenham race track.
Thursday, March 14, 6:00 p. m.—Wensley Fisons and Wensley Canadians vs. Winnipeg Monarchs, an account of the hockey match by R. T. Bowman.
Friday, March 15, 7:00 p. m.—Talk, "The Islands of the Empire—Thursday Island," by Dr. Keith Batry.
Friday, March 15, 7:15 p. m.—George Middleton and George Windatt, syncretized pianists.
Saturday, March 16, 6:15 p. m.—Henry Hall's guest night with the BBC dance orchestra.
Saturday, March 16, 7:00 p. m.—Scotland vs. England; interval summary and running commentary on the second half of the International Rugby Union Match, by Capt. H. B. T. Wakeham.

Zeesen, Germany, DJC (6.02)
Sunday, March 10, 6:15 p. m.—Our Sunday Concert, popular orchestral music.
Sunday, March 10, 7:30 p. m.—"The Fair," a humorous song play by George Benda.
Tuesday, March 12, 6:00 p. m.—Homeland program; On the Banks of the Elbe and the Sazle, cheerful musical pictures of town and country.
Wednesday, March 13, 7:00 p. m.—Mozart's Pianoforte Sonata in A Major with the Turkish March.
Wednesday, March 13, 7:15 p. m.—The German Clock and Watch Museum.
Thursday, March 14, 8:30 p. m.—Short concert in commemoration of the 25th anniversary of the death of Karl Eskecke, the composer.
Friday, March 15, 6:00 p. m.—"Spring," a suite of poetry and song.
Saturday, March 16, 6:00 p. m.—"Lysistrata," selections from the operetta.

Madrid, Spain, EAQ (9.86)
Daily, 5:15 p. m.—Press news bulletins of Spain day by day.
Sunday, March 10, 7:00 p. m.—Orchestral concert.
Tuesday, March 12, 7:00 p. m.—Echoes of Ireland.
Thursday, March 14, 7:00 p. m.—Military band concert.
Saturday, March 16, 7:00 p. m.—Light music.

On Short Waves

By Chas. A. Morrison

(Time Shown Is Eastern Standard. Figures In Parentheses Denote Megacycles, or Thousands of Kilocycles.)

THE important bit of news this week is concerning the new transmission now being radiated by the Daventry stations of England. This transmission is known as No. 6, and is designed for the residents of Western Canada, although so far it has been well heard here also. Transmission No. 6 is radiated Sunday, Tuesday, Thursday and Saturday evenings between the hours of 9:30 and 10:30. Daventry's new voice, GSI., on 6.11 megs, or just lower in frequency than W2XLE, has been transmitting this new schedule and promises to be one of the best Daventry stations.

It is important also to note that changes have been made in Daventry transmission No. 4. This transmission is now heard daily: 1-4 p. m., GSD (11.75) and GSB (9.51); 4-5:45 p. m., GSB (9.51) and GSC (9.58). Both GSC and GSB have been coming in exceptionally well from about 5 p. m. on.

THE REBROADCAST from a Swiss village on Sunday, March 3, from 12:15-1 p. m. was most interesting and came in with unusual volume over KBJ (14.53). This station is used only at irregular intervals and usually tests with WCG and WQP of Rocky Point.

A SURE SIGN of the transition of the good reception cycle from the 49-meter band to the 19- and 25-meter bands is the

Sunday — Continued

8:45 p.m.
Y.N.—Legal Fraternity of Gamma Eta Gamma; WAAIB

9:00 p.m.
NBC—Manhattan Merry-Go-Round; featuring famous acts of the American theater; Pierre Le Krecun, tenor; Men About Town, trio; Rachel Carley, blues singer; Jerome Mann, impersonator; Andy Sandels' Orch.; WEAF WGY WTIC WCSH WJAH WTAC

* CBS—Sunday Evening Concert; Rosa Ponselle, soprano, guest; WABC WNAC WDHC WOKO WGR WOIC WFEA WEAN WICC WLBB WFBL

* NBC—Silken Strings; Charlie Previni's Orch.; Countess Olga Albeni; WJZ WBZ WHAM WSYR WLW

WAAH—ERA Opera Orchestra WBEN—"Nine O'Clock Show"

WEW—Variety Program

WOB—Hausey Hall's Housewives

Y. N.—Amateur Night: WEAN WNAC

WGR—Ship of Dreams WICC—"Home Pride," Play House

WLHZ—Melody Pictures

WOR—Leo Reisman's Orchestra

WOIC—Beauty That Endures

10:15 p.m.
KNC—Shirley Howard, contralto; Orch.: WJZ WBZ

WHAM—Medical Society Program

WOIC—Mohawk Trailers

WSYR—The Man From Home

10:30 p.m.
★ NBC—One Man's Family, sketch: WEAF WBEN WTAC WCSH WTIC WGY WLW

CBS—Wat. A. Brady, "Behind the Scenes": WABC WFBL

WOIC WFEA WLBB WOKO

WAAB

NBC—An American Fireside,

WJZ WBZ WHAM

11:15 p.m.
NBC—Jesse Crawford, organist; Dorothy Page, contralto; WJZ

CHS—Little Jack Little's Orch.; WICC WLBB WFEA

WBZ—Vic Jerome, baritone

WEAN—Local News

WGR—The Black Robe

WGY—Me & My Guitar

WHAM—Pop Concert

WNAC—Hockey Game

WOR—Moonbeams, girls trio

WSYR—The Midnight Hour

11:30 p.m.
NBC—News; Temple of Song;

Chicago A Capella Choir; Edw.

Davies, baritone; WEAF WEW

WJAH WTAC WGY WCSH

WTIC

CBS—Leon Reliesen's Orchestra;

WABC WOKO WDRC WEAN

WLBB WICC WFEA WFBL

WGY WNAC

NBC—Emil Coleman's Orch.;

WJZ WBZ WHAM

WBEN—News; House of Home

Birthdays at Hand

MANY stars of the air were born between March 17 and April 17. Radio Guide presents their names and their birth dates herewith, so that felicitations and good wishes may be sent them by any who would like to do so. Address the star in care of Radio Guide, 731 Plymouth Court, Chicago, Illinois. Your greetings will be forwarded to the stars—unopened, as you send them—and will be delivered promptly.

March 18—George Olsen
27—Ferde Grose
Hal Kemp
28—Paul Whiteman
April 1—Iddy Duchin
3—George Jessel
4—Rosemary Lane
Frances Langford
Eddie East (of
East and Dunke)
5—Charles Kretzinger

6—Lowell Thomas
Madame Sylvia
Keith McLeod
7—Walter Winchell
8—Tito Guizar
9—Lucille Peterson
10—Elliot Shaw
Sigmund Spaeth
Grace Wilson
11—Pat Flanagan
16—Milton J. Cross
Betty Barthell

excellence with which Pontoise, on its 11.7 meg frequency, has been coming in until late at night.

CHARLES MILLER, of Covington, Kentucky, calls our attention to the fact that XECW, Mexico City, is now operating on 5.97 megs nightly from 11 p. m. to 1 a. m. We had incorrectly stated the frequency of XECW as 5.98 in our column of two weeks ago. Thanks, Mr. Miller, for this correction!

EDWIN HATCHI, of Philadelphia, writes that he has heard a new station, HIIJ on 5.78 megs, the same frequency as OAX4D, Lima, Peru. This station, heard with very good volume, gave its location as San Pedro de Macoris, Dominican Republic. (It seems now that about every tenth man in the D. R. is operating a transmitter.)

For Rotarians

IN THE EARLY morning hours of Thursday, March 22, station XEBT, Mex-

ico, D. F. (6), will stage a special broadcast to the Rotary and Lion's Clubs of the world between the hours of 12 and 2 a. m. The occasion for this unusual broadcast will be the Rotary International Convention in Mexico City at that time.

Music will be furnished by the famous Police band of the city, and announcements will be made in English.

To all reporting XEBT on this concert, the police department of Mexico, D. F., will send a postal card with views of the city and the government seal.

Advance Programs

Rome, Italy, 2R0 (6.09)

Monday, March 18, 6:15 p. m.—Talk by Prof. Luigi Ugolini, "The Origins of the Mediterranean Civilization and the Pre-History of Malta." Transmission of the opera, Norma, from the Royal Opera Theater in Rome. Italian lesson. Regional songs. News bulletin.

Wednesday, March 20, 6:7:30 p. m.—Talk by Prof. Galassi Paluzzi, "Roman Studies." Transmission of the opera, La Forza del Destino, with Beniamino Gigli, from the Carlo Felice theater in Genoa. Italian lesson. Folk songs. News bulletin.

Friday, March 22, 6:7:30 p. m.—Talk by Ermano Wolf Ferrari on the Romance of the XIXth Century. Flowers of the past: "The Best Romances of the 800," and opera selections from Addio Giovinezza by Maestra Pietri. Italian lesson. Regional songs. News bulletin.

Zeesen, Germany, DJC (6.02)

Sunday, March 17, 8:30 p. m.—Our Dead, a program in solemnization of National Heroes' Memorial Day.

Monday, March 18, 6 p. m.—A merry stroll through Hamburg, radio sketch by Heinrich Leitner.

Tuesday, March 19, 6 p. m.—When the First Violets Bloom, variety program. 7:30 p. m.—The Peasant in Purgatory, a radio opera by Arno Huleid.

Thursday, March 21, 6 p. m.—In celebration of the 250th anniversary of the birth of Bach, a musical portrait by Martin Bormann.

Friday, March 22, 6 p. m.—Orchestra concert.

Saturday, March 23, 6 p. m.—Military concert, National Aviation Sports orchestra. 7:30 p. m.—Hops and Malt—God Bless 'Em! A radio sequence by Gustav Adolf Littick.

Madrid, Spain, EAQ (9.86)

Tuesday, March 19, 7:7:30 p. m.—Variety concert. Thursday, March 21, 7:7:30 p. m.—Half hour of popular waltzes.

Saturday, March 23, 7:7:30 p. m.—Light music.

On Short Waves

(Time Shown Is Eastern Standard.
Figures in Parentheses Denote Megacycles, or Thousands of Kilocycles.)

SUNDAY morning, March 10, the short waves brought an interesting sports event of major importance. This was the National Heavyweight Championship Bout between Steve Hammes, of Philadelphia, and the ex-world's champ, Max Schmeling, of Germany. The bout was staged in Hamburg, Germany, and reached this listening post with wonderful volume and clarity through that star German short wave station, DJB (15.2).

The fight was put on at the world's largest sports arena, especially built in 42 days for the occasion.

The actual results are now history, but the cheering of the crowds, the sounds of the blows, the gong, and even the labored breathing of Hammes towards the end was clearly audible. It is significant to note that although Hammes took a terrific drubbing, he hung on with grim determination and by this won the admiration of the German audience.

WE WERE SURPRISED yesterday to have the mail man bring us a little present from Berlin. This was a tiny but perfectly made phonograph record, a token from the German short wave stations at Zeesen. A playing of it revealed the German chime signal, "Uh' immer Freu und Freude," the familiar voice of the announcer, and two folk songs sung by a boy choir. The record is meant to greet and to remind those who have written the stations that the Zeesen programs await them every evening.

From PAUL DIIG, of Evanston, Illinois, we learn that 2R0, Rome, with a schedule formerly heard on 30.07 meters, seems to have moved that transmission up to the 31-meter band to escape interference. He thinks the new wave length is around 31.26 meters (near W2XAF). This does not affect the American tour series (ou 6.097).

FURTHER OFFICIAL dope on the Icelandic short wave station is contained in a letter just received from our Copenhagen representative, Hans Priwitz. Mr. Priwitz states: "The Prime Minister of Iceland told me that the transmitter is to be a commercial set with an output of 8½-kilowatts and a directional antenna for Denmark, as there is no telephonic communication between Iceland and Denmark. The new station will also be used for broadcast purposes. Apparatus was constructed at the Marconi Works at Chelmsford, England."

No wave length was stated, but we are assuming this is the new Icelandic station recently heard on 33 meters (9.03).

Hector McCormick, of Bucaramanga, Colombia, writes that his new station will be launched shortly. The call will be HJ2ABB; address Calle 3, No. 630, Bucaramanga, Colombia. HJ2ABB will be on the air starting April 1 on a frequency of 5.97 megs and promises to be one of the best in Colombia.

ALAN A. GUILHARD, of Berlin, writes that as a result of recent tests, Radio Nations, of Geneva, Switzerland, has started a second regular weekly broadcast for listeners on the eastern hemisphere. The program for the Far East will consist of talks on the activities of the League of Nations. Broadcasts are scheduled for Mondays at 3:15 a. m. on 18.46 megs.

MORE REPORTS of reception of Radio Suva, Fiji Islands, are received. VPD Suva (13.07) is on nightly at 12:30-1:30 a. m. VPD will henceforth be known as VP-IA.

Likewise G. T. Magee, of Birmingham, Alabama, writes: "Heard VPD, Suva, on February 26. They announced they would be off the air until March 9. They were R7 to R8 here and I sent them an hour's report." Guy Bigbee, of Ft. Benning, Georgia, writes: "Hope that I get a verification from VP-IA, as I heard their test

By Chas. A. Morrison



BERTHA DELGADO INGLESIAS
Or call her Sennita Bertha for short, this charming, smiling girl singer of HJ1ABB, Colombia, South America, on 6.44 megacycles, an easy catch for short-wavers. Bertha's just sixteen, and besides soloing, frequently sings duets with her 14-year-old brother, Gilberto, who also strums a mean guitar. HJ1ABB's regular schedule is 6 to 10 p. m. EST (5 to 9 CST)

with some station in Java. Peculiar music but not the Japanese or Chinese type."

Rome opened a special transmission period to the Far East (China-Japan) on February 10. This transmission will be on 11.81 megs. No regular schedule has been announced.

ACCORDING TO READERS of World Radio, W2XAF's claim to having broadcast first from a moving bob-sled is unwarranted, for on Sunday, January 18, a similar broadcast was made from a sled while descending a famous run in Germany.

I also noted in World Radio with interest that the police station, WPDY, 50-watt at Kokomo, Indiana, had been intercepted in London with sufficient clarity to warrant a verification. 'Tis indeed a small world when Calling All Cars is heard

not only in Kokomo but by the British in London town.

Advance Programs

- Rome, 2R0, (6.097), *The American Hour*
from Rome
Monday, March 25, 6:7:30 p. m.—Hon. Umberto Giugliani, General Secretary of the Italian Newspapers' Syndicate on "The Profession of Newsgathering in Modern Italy." Transmission of "Boris Godunoff" by Mussorgski, from La Scala in Milan. Italian Lesson. Folk Songs. News bulletin.
Wednesday, March 27, 6:7:30 p. m.—Special program dedicated to the International Federation of Business and Professional Women. Conversation with listeners and replies to letters. The opera "Faust" from the Royal Opera House. Italian Lesson. Regional Songs. News bulletin.
Friday, March 29, 6:7:30 p. m.—Talk by Lucio D'Andrea, writer of the "Italian Book." Symphonie Concert from Eise. Italian Lesson. Regional Songs. News bulletin.
Zeesen, DJC 16.020, DJM 19.54
Sunday, March 24, 7:30 p. m.—"Natur und Handwerk," a play.
Monday, March 25, 8:30 p. m.—Duet on two pianos—Willi Hahn and Walther Thiele!
Tuesday, March 26, 6 p. m.—Fanfare Symphony by Franz Liszt.
7:15 p. m.—"The Letter," a sketch.
Wednesday, March 27, 6 p. m.—"The Trumpeter's Darling," operetta by Bruno Hart-Warden.
Thursday, March 28, 6 p. m.—"Clivia"—Selections from the opera by Dvorak.
7:15 p. m.—Frohe Puddler Lied: What Germans Already Should Know of the New German Law. Talk by Dr. Fritz Schwerdt.
7:30 p. m.—"Till Eulenspiegel." Scenes from the drama by Wilhelm.
Friday, March 29, 7 p. m.—Half-hours with Authors: Ernst Jünger.
Saturday, March 30, 7:30 p. m.—"All Right for Sowing is the Soil." Musical Literary Sequence by Gert Rudolf Neimannscher.
Daventry, GSA 16.051 and GSC 19.58
Sunday, March 24, 6:45 p. m.—"In the West Country." The B.B.C. Empire Orchestra.
Monday, March 25, 7 p. m.—Elsie Atherton and Companion in "Black Adam," 45 minutes of comedy and songs.
Tuesday, March 26, 6:45 p. m.—Nightmare Series. A Story in H. de Vere Stacpoole.
7 p. m.—Procession of Light French Music. B.B.C. Empire Orchestra.
Wednesday, March 27, 6:20 p. m.—Play—"In the Shadows."
7 p. m.—Organ Recital by Berkeley Mason from Broadcasting House.
Thursday, March 28, 7:15 p. m.—Talk: "Northern Voyage." An account of a year-long journey from Greenland to Iceland. Miss Isobel Hutchinson.
7:30 p. m.—Norm Savage and Joy Worth.
Friday, March 29, 7 p. m.—"The Grand National." A running commentary by R. C. Lyle and W. Haldane. Relayed from Aintree near Liverpool.
Saturday, March 30, 6 p. m.—Henry Hall's Guest Night with the B.B.C. Bauer Orchestra.
Madrid, ERQ 19.36
Sunday, March 24, 7 p. m.—Military Band Music.
Tuesday, March 26, 7 p. m.—Orchestral Music.
Thursday, March 28, 7 p. m.—Photograph Recitals.

A revised log of the principal short wave stations of the world, together with their frequencies and schedules of operation, will be found in this issue on page 31.

Friday — Continued

9:45 p.m.	WEAF—"The Pause that Refreshes on the Air"; Chorus & Orch.; Frank Black, director.	11:15 p.m.	WEAF—Dance Orchestra
WINS—Margaret West & Band	Guild	WMCA—Sophisticated Lady of Song, Olga Vernon	11:30 p.m.
AOU—Song's Son	WEVD—Medical Hour	WOB—Moombana, girls' trio	WEAF—Description of The Annual Golden Gloves National Finals
10:00 p.m.	WIS—Preston Concert	WEAF—Jacques Renard's Orch.	WABC—Jacques Renard's Orch.
★ WEAF—First Nighter; drama; June Metcalfe, Ida Amache, Chet Sondier; Eric Segalquist's Orchestra	WOB—Eddy Brown, violinist	WJZ—Bob Spots, quartet; Jack Dempsey's Orchestra	WJZ—Bob Spots, quartet; Jack Dempsey's
★ WJZ—Circus Night in Silverstein; Joe Cook; B. A. Rolfe's Orchestra; Tim and Irene; Pro La Canta; Phil Dwyer & Lucy Monroe, soloists; Choir	WEVD—Raymond Shannon, baritone	WJZ—Midnight Melodies	WEAF—George Devore's Orch.
WEV—Sketch	WMCA—Modern Woman's Show	WMCA—Intermission at Jack Dempsey's	WABC—Claude Hopkins' Orch.
WBN—Billy Rhodes, songs	10:45 p.m.	12:00 Mid	WJZ—Shander, violinist; Freddie Berrigan's Orchestra
WXEW—Dance Parade Til 4 A. M.	WJZ—"Disputed Documents," Albert S. Osborn, handwriting expert	WEAF—George Devore's Orch.	WEAF—Don Pedro's Orchestra
WOR—Sandra Swentka, soprano; Orchestra	WJZ—Hal Kemp's Orchestra	WABC—Joe Hayman's Orchestra	WABC—Joe Hayman's Orchestra
10:15 p.m.	WJZ—The Four Aces of Bridge; Oswald Jacoby, David Burns, Michael T. Gottlieb and Howard Schlesinger; Orrie Nelson's Orchestra	WJZ—Marie De Ville, vocals & Both Reed, pianist	WABC—Maril Michel's Orchestra
WEVD—United States Senators, talks	WJZ—Hal Kemp's Orchestra	WEAF—Bird Alkey	WOR—Gold Coasters Orchestra
WINS—Musical Comedy Highlights	WJZ—Marie De Ville, vocals & Both Reed, pianist	WJZ—Weather Report; Current Events	WEAF—Frank Dailey's Orchestra
WOB—Harlas Read, current events	WEAF—Bird Alkey	WEAF—Frank Dailey's Orchestra	WABC—Frank Dailey's Orchestra
10:30 p.m.	WJZ—Marie De Ville, vocals & Both Reed, pianist	WJZ—Weather Report; Current Events	WABC—Dance Music
★ WABC—Colonel Stoepnagle & Budd	WEAF—Bird Alkey	WEAF—Bird Alkey	WABC—Dance Music

On Short Waves

By Chas. A. Morrison

(Time Shown Is Central Standard.
Figures in Parentheses Denote mega-
cycles, or Thousands of Kilocycles.)

Daventry, GSA (6.05) and GSC (9.58)

Sunday, April 14, 5:45 p. m.—Recital by Canadian Artists.

Monday, April 15, 5:45 p. m.—The B.B.C. Empire Orchestra.

Tuesday, April 16, 5 p. m.—Big Ben; The Mail Bag, letters from outside the Empire, dramatized.

5:45 p. m.—Cabaret Stars in Friendly Harmony.

6:15 p. m.—Meet the Saint.

Wednesday, April 17, 6 p. m.—Dance Music by Harry Roy

Thursday, April 18, 5:30 p. m.—Mixed Grains, for the convalescent.

Friday, April 19, 5 p. m.—Organ Recital by Gilbert Mills.

6 p. m.—Talk: Under Big Ben, by Howard Marshall.

6:15 p. m.—Easter Anthology.

Saturday, April 20, 5 p. m.—Light Music by the B.B.C. Orchestra.

Madrid, EAQ (9.87)

Sunday, April 14, 6 p. m.—Spanish Music.

Tuesday, April 16, 6 p. m.—Theatre Queue Entertainers.

Thursday, April 18, 6 p. m.—Irish Tunes.

Saturday, April 20, 6 p. m.—Mandolin Band.

Zeesen, DJC (6.02) and DJN (9.54)

Sunday, April 14, 5:15 p. m.—Popular Music.

6:30 p. m.—Easter Vision, radio sequence in music and words.

Monday, April 15, 6:30 p. m.—Glad Easter Customs from All Parts of Germany.

Tuesday, April 16, 5 p. m.—Aennchen von Tharau, song play.

Wednesday, April 17, 5 p. m.—Symphony Concert.

Thursday, April 18, 5 p. m.—Scenes from Goethe's Faust.

6:30 p. m.—Songs for Passion Week.

7:30 p. m.—The Unfinished Symphony, recordings.

Friday, April 19, 7:30 p. m.—Heroic Requiem, by Gottfried Müller.

Saturday, April 20, 6:30 p. m.—From the Fuhrer's Homeland, Easter ramble through the woods.

On Short Waves

By Chas. A. Morrison

(EDT and EST shown. Figures in parentheses denote Megacycles, or Thousands of Kilocycles.)

THE ears of the world will be tuned in to Daventry this week for the festive celebrations attendant upon the happy occasion of the 25th anniversary of the reign of King George V. The ceremonies will start officially May 6 and last until about May 15 with special events and broadcasts galore.

Some of the highlights of Jubilee Week are:

(1.) May 6—6 a. m. EDT (5 EST)—Thanksgiving Service for the King relayed from St. Paul's, in London (GSF and GSG).

(2.) May 6—1 p. m. EDT (12 noon EST)—Eye-witness account of the progress of the Jubilee Day Celebration, followed by "Twenty-Five Years," a program of the Silver Jubilee reviewing the important events of King George's reign, a speech by the King, and congratulatory messages.

(3.) May 6—4 p. m. EDT (3 EST)—Speech by Rudyard Kipling (GSB and GSD).

(4.) May 9—6:20 a. m. EDT (5:20 EST)—Visit by their Majesties, the King and Queen, to Westminster Hall and address of the King before the House of Commons (GSF and GSG). (Transcriptions of these events will be repeated in other transmissions as given in our regular programs at the end of this column.)

The new Cuban station being heard on about 102 megs in the early evenings has been definitely identified at the Listening Post as CMHD relaying broadcast station CMHB. The address is Radiodifusora Compania CMHB, Independencia 33, San Spiritu, Cuba. The station usually signs off between 8 and 9 p. m. EDT (7 and 8 EST).

The Radio Department of the Ministry of War, at Bogota, Colombia, is on the air. Inaugural broadcast was heard April 11. Call was given as HKV and reports were asked. The frequency was about 8.7 megs.

G. T. Magee, of Birmingham, Alabama, reports new station HHI, of Santo Domingo, D. R., (1004) working HJA2 in Bogota, Colombia. They were heard on April 16 and 17 at 5-6 p. m. EDT (4-5 EST). This is probably the new station of the A. T. & T. Co. which works with WNC, Florida outlet.

A LETTER Paul Dilg, of Evanston, Illinois, has just received from Rome gives further light on 2RO:

"The last two weeks Rome has made tests on 31.13 meters at 7-8 p. m. EDT (6-7 EST) asking our American listeners how this wave compares with 49.3 meters for broadcasting the American Hour from Rome. From the first information received, it would seem that the 31-meter wave is free from interference but suffers more from fading and is weaker than the 49-meter wave length."

AN UNUSUAL CATCH was that of Mrs. C. B. Bowles, of Normal, Illinois, who states that on Tuesday evening, April 23, at 10:30-11 p. m. EDT (9:30-10 EST) she heard VWY, in Poxona, West India, on its frequency of 8.97 megs. Mrs. Bowles says the program (which faded badly) consisted of vocal and instrumental numbers. The songs seemed to be in Hindustani but the announcements were in English.

ALTHOUGH THE JAPANESE stations seldom provide much of real entertainment value, it is still a great thrill to tune direct to the land of the Mikado.

(Continued on Page 23)

On Short Waves

(Continued from Page 19)

JVM, Nazaki, Japan (near Tokio), is transmitting now (10.74) from 5 a. m. to 8:40 a. m. EDT (4 to 7:40 EST) daily. JVM is received here at the Listening Post on this schedule with fair signal and usually best during the last 40 minutes. It is well to remember that Asiatic stations seldom come in with a bang, but have to be coaxed to good signal strength, and often, after ten minutes or so, will pick up considerable volume.

WORLD RADIO recounts that the German *Deutschblender* recently startled the scientific world by announcing that on a certain short-wave transmission they would broadcast phonograph records impregnated with a variety of scents in order to test their transmission possibilities by radio.

Although at this day and age this seems very ludicrous, a famous professor in Cairo, Egypt, says that not only will sight and scent transmission be possible on the ultra high frequencies but the projection of thought and personality as well.

HAS IT EVER OCCURRED to short wave listeners that although most of the evening programs received in this country from Great Britain are electrical recordings of events which took place earlier in the day, the programs from Zeesen, Germany, are programs of live talent? It is interesting to know that the great broadcasting headquarters in Berlin, Germany, is a bee-hive of activity all night long, artists coming and going throughout the wee hours so that we here may be entertained during the evening. When DJC, Zeesen, signs off here at 11:30 p. m. EDT (10:30 EST) it is already 4:30 a. m. the following morning in Berlin!

THE FIRST NEWFOUNDLAND amateur phone station ever logged at this *Listening Post* was heard Tuesday evening, April 23, at 6:30 p. m. EDT (5:30 EST). He announced as VOII, of St. Johns, Newfoundland. Two other new hams recorded here were HCTJW, Quito, Ecuador, South America, and TIBAV, Cartago, Costa Rica.

ORK, Ruyselede, Belgium (10.33), has been coming through exceptionally well here on their schedule of 2:30-4 p. m. EDT (1:30-3 EST). Several afternoons of late ORK has been much better than GSD, Daventry (11.75).

Advance Programs

(Subtract one hour for Standard Time)

Sunday, May 5, 9 to 10 a. m. EDT—International good-will transmission to members of International DXers Alliance from RNE (12) and RKI (15).

Tuesday, May 7, 6:35 p. m., W2XAF, Schenectady, New York. A Special short wave program, Out of the Short Wave Mail Bag. The regular QST short wave program will be heard immediately following this, 6:45 p. m. EDT (5:45 EST), at a new time for those who live in a standard time district.

Daventry, England, GSB (9.51), GSC (9.58). Jubilee Week Programs

Sunday, May 5, 7:45 p. m. EDT—BBC Empire Orchestra,

Monday, May 6, 7 p. m. EDT—Eye-witness account of Jubilee Day Celebration.

7:50 p. m. EDT—Twenty-five Years, review of reign of King George V. Speech by the King.

11 p. m. EDT—Thanksgiving Service for the King, St. Paul's London. Probably on GSL (6.11) also.

Tuesday, May 7, 7 p. m. EDT—Speech by Rudyard Kipling, transcribed.

10 p. m. EDT—Repeat of 7 p. m. broadcast.

Wednesday, May 8, 7 p. m. EDT—Broadcast of Chester Cup Race.

Thursday, May 9, 7:30 p. m. EDT—Visit of Their Majesties, the King and Queen, to Westminster Hall, and speech of King to House of Commons.

11 p. m. EDT—Repeat of above broadcast, transcribed.

Friday, May 10, 7:30 p. m. EDT—Detectives of Fiction, Max Carrados.

Saturday, May 11, 7:45 p. m. EDT—The Empire Bookshelf, readings.

On Short Waves

By Chas. A. Morrison

(EDT and EST Shown. Figures in Parentheses Denote Megacycles or Thousands of Kilocycles.)

FOR those who have been having difficulty hearing Zeesen, Germany, we recommend the new North American Zone broadcast over DJD (11.77) from 6:05 to 11:30 p. m. EDT (5:05 to 10:30 EST). This Zeesen transmission directed to North America was inaugurated April 30 and came in with a loud signal at the *Listening Post*, gradually fading away about a half hour before sign-off.

Other Zeesen transmissions that you may hear according to the new schedule, are listed below:

Time Shown Is EDT. Subtract One Hour for EST

Directed to South Asia:

DJB (15.20) 1:30 to 3 a. m.
DJB (15.20) 4:45 to 8:15 a. m.
DJN (9.54) 4:45 to 8:15 a. m.
DJB (15.20) 9 to 11:30 a. m.

Directed to East Asia:

DJQ (15.28) 1:30 to 3 a. m.
9 to 11:30 a. m.

Directed to Africa:

DJD (11.77) 1 to 5:30 p. m.

DJC (6.02) 1 to 5:30 p. m.

Directed to South America:

DJE (17.76) 9 to 11:30 a. m.

DJA (9.56) 6:05 to 10:15 p. m.

Directed to Central America:

DJN (9.54) 6:05 to 11:30 p. m.

INFORMATION FROM ROME is that a daily transmission is being directed to Japan on 11.8 megs at 10:15 to 11:15 a. m. EDT (9:15 to 10:15 EST).

Other regular schedules from 2RO, Rome, given in EDT, are:

Monday, Wednesday and Friday 46.081, 7 to 8:30 p. m., directed to North America.

Tuesday, Thursday and Saturday (9.54), 8:45 to 10:15 p. m., directed to South America.

Daily (9.64), 3:30 to 6 p. m., unnumbered.

Daily (9.64), 9:15 to 10 a. m., for Mediterranean Basin.

Advance Programs

(EDT Shown. Subtract One Hour for EST.)

DAVENTRY, ENGLAND, GSB (9.51)

and GSC (9.58)

Sunday, May 12, 7:45 p. m.—BBC Empire Orchestra.

Monday, May 13, 7:45 p. m.—Jubilee Celebration of the visits of Prince of Wales, Duke and Duchess of York, and Duke of Gloucester to Wales, Scotland and North Ireland.

Tuesday, May 14, 7 p. m.—Program in praise of Wales.

7:30 p. m.—How to get on the Stage by Easy Stages.

7:30 p. m.—Meet Detective Anthony Slada.

8:15 p. m.—Opera Concert.

Wednesday, May 15, 7 p. m.—BBC Orchestra, songs of the nightingales.

7:45 p. m.—Talk: Freedom.

8 p. m.—Harry Fox' Dance Orchestra.

Thursday, May 16, 7:30 p. m.—Talk: Expedition to the British Cameroons.

Friday, May 17, 7 p. m.—Melody at Midnight.

7:30 p. m.—The Dreaming Man, play.

8:20 p. m.—Headlines.

Saturday, May 18, 7 p. m.—BBC Dance Orchestra.

7:45 p. m.—Shelley Welsh International Open Hill Clash for Racing and Sport Cars.

ZEESEN, GERMANY, DJD (11.77)

and DJC (6.02)

Sunday, May 12, 7:15 p. m.—Popular Music.

Monday, May 13, 7:15 p. m.—Orchestra,

8:30 p. m.—Martin Fladdeusmann, German master of the ballad.

Tuesday, May 14, 8 p. m.—Musical Interlude.

8:30 p. m.—Old and New Music.

9:30 p. m.—Songs, Lute accompaniment.

10:15 p. m.—Narrative Musical Novel.

Wednesday, May 15, 7 p. m.—Light Music.

Thursday, May 16, 7 p. m.—The Apothecary, song play.

Friday, May 17, 7 p. m.—Symphony Concert.

9 p. m.—Piano Recital.

Saturday, May 18, 7 p. m.—Selections from Opera Venetian.

9:30 p. m.—Waltzes, Oswald von Haydn Band.

ENGLISH NEWS BROADCASTS

Daily, 9:15 p. m.—BHD (11.77), DJC (6.02).

Daily, 2:15 a. m.—GSB (9.51), GSD (11.75).

Daily, 9:30 a. m.—GSE (15.34), GSG (17.75).

Daily, 12:30 p. m.—GSB (9.51), GSE (11.86).

Daily, 6:00 p. m.—GSB (9.51), GSD (11.75).

Daily, 8:45 p. m.—GSB (9.51), GSC (9.58).

Sunday, Tuesday, Thursday, Saturday, 9:45 p. m.—GSC (9.58), GSA (6.11), GSD (11.75).

On Short Waves

(Time Shown Is EDT. For EST Subtract One Hour)

DAVENTRY, ENGLAND, GSB (9.51), GSC (9.58)

Sunday, May 19, 7 p. m.—BBC Empire Orchestra
8:45 p. m.—News and Spurts

Monday, May 20, 7:45 p. m.—Sport Talk: Bowling
in Florida

8 p. m.—BBC Dance Orchestra

Tuesday, May 21, 7 p. m.—Organ Music

8 p. m.—Meet Detective Dr. Priestley

Wednesday, May 22, 7:45 p. m.—Talk: Foreign
Affairs

8 p. m.—Dance Music

Thursday, May 23, 7:40 p. m.—Talk: Freedom

8 p. m.—More Trunk Calls, musical comedy

Friday, May 24, 7 p. m.—Rendezvous with Fate,
story

7:10 p. m.—Minutes of Melody

7:15 p. m.—The Two Charladies, skit

7:30 p. m.—British Industries Fair at Birmingham

8:15 p. m.—Program from Canada in Celebration
of Empire Day

8:45 p. m.—Empire Day Address: Admiral Earl
Jellicoe

Saturday, May 25, 7 p. m.—Coo-Coo-Noodle Club
Program

7:45 p. m.—Excerpts from Light Opera and
Musical Comedy

ZEESEN, GERMANY, DJD (11.77), DJC (6.02)

Daily ex. Sun., 9:15 p. m.—News in English

Sunday, May 19, 7:15 p. m.—Popular Music

8:30 p. m.—The Empire's Crown, play

9:30 p. m.—Brahms' Love Song—Waltzes

Monday, May 20, 7 p. m.—Symphony Concert

9:30 p. m.—German Songs of Maytime

Tuesday, May 21, 8:30 p. m.—Folk Songs

10:15 p. m.—Concert

Wednesday, May 22, 7 p. m.—Orchestra

8:30 p. m.—Light Music

11:20 p. m.—Letter Box

Thursday, May 23, 6:10 p. m.—Woman's Hour

7 p. m.—National Socialist Orchestra

9:30 p. m.—Light Music

10:15 p. m.—Proud Towers on the Hills, play

Friday, May 24, 7 p. m.—New German Music

8:30 p. m.—Homeland Evening; Songs by
Masurian Children

10:15 p. m.—March Music

Saturday, May 25, 7 p. m.—Argentinian Program

8:15 p. m.—New Pieces from Theater and Films

8:30 p. m.—Variety Program

10:15 p. m.—Dance Music; News

On Short Waves

By Chas. A. Morrison

IEDT and EST Shows. Figures in Parentheses Denote Megacycles or Thousands of Kilocycles.

CHANGES in the schedules of Daventry are to take effect on Sunday, June 2. The most important is that affecting transmission No. 3, 10 p. m. EDT (6.8 EST) which now is transmitted on GSD (11.75) and GSC (9.58). The GSD transmission is by far the best Daventry directs to this country.

Other changes are: Transmission No. 3, 10 a. m.-1 p. m. EDT (9-Noon EST) over GSG (11.79) and GSI (15.14); Transmission No. 4, 1-15-6.45 p. m. EDT (12-15-5.45 EST) over GSI (15.14) and GSD (11.75).

OUR OLD FRIEND DJB, Zeesen, Germany (15.20), was back with a bang on Sunday, May 19, from 1-3-5-10 p. m. EDT (12-30-4-30 EST). The transmission was 100 per cent perfect all the way through, and we hope this heralds the official return of the station to the ether waves.

CLARENCE JONES, director of *La Pergola*, short-wave station HCJB Quito, Ecuador, writes that the station is now transmitting on a new wave length of 365 meters (18.21) and is on the air nightly except Monday (Equation time) from 7 to 11 p. m. and Sundays from 4-10-10 p. m. (*Quito is 14 minutes slower than EST, an hour and 14 minutes slower than EDT*). HCJB gladly sends its verification card to all radio fans who prove reception of the programs and send an international postage reply coupon.

Joe Stokes, of KDKA, says he recent-

Radio in Jail

(Continued from Page 61)
he learned to wield a piece of lead pipe on darkened highways.

He heard radio music for the first time in his life when his term began. He became intrigued with the idea. The application for equipment and wants that any prisoner is privileged to make the Warden included, when it came from him, the words "any musical instrument." The Warden interested himself in the case and found that the man had a burning desire to learn to play—music. Not the violin or a piano or a flute—just music. The Warden looked around and found for the

boy heard CTJ, San Miguel, Azores Islands, operating on 19.5 meters (15.4) at 12 noon EDT (11 a. m. EST).

WILLIAM CAULFIELD, of Tenerife, Canary Islands, writes that LABAB, the *Radio Club of Tenerife*, is operating at present on Monday, Wednesday and Friday from 4-6 to 5-30 p. m. EDT (3-30-4-30 EST). The authorized wave is 405 meters, but 407 meters (7-30) is being used to escape amateur interference.

JDIGING FROM the statement of Eugene S. Darlington, director of W2XAF, Schenectady, the recent program broadcast by the station on April 30 for the *International Divers Alliance*, and the *Short Wave Club of New York* was a huge success. Reports of a congratulatory nature continue to pour in to the station from all parts of the world, one mail alone bringing over 100 reports from England. It will be remembered the station employed the European doublet antenna rather than the South American beam on this broadcast.

Advance Programs

(Time Shows Is EDT Subtract One Hour for EST)

ROME, ITALY, 2RD 16.081

Friday, May 31, 7 p. m.—Consideration of Italian Artists' program commemorating centenary of Vincenzo Bellini. Claudia Muzio, Metropolitana and Chicago Opera captains, singing selections from Norma and Scaramella.

DAVENTRY, ENGLAND, GSF (15.14), GSG (17.79), GSD (11.75) and GSC (9.58)

Special Programs—

Monday, June 3, 5:45 a. m.—Tramping the Color

hatious praise? Not at all! He told of his thirst to learn "more music." Those persons to whom he wrote, took time off from their busy schedules of work to answer all the questions he asked them. In quite only two of his earliest: "What key should I play the *andante allegro* in?" and "how loud must I play a dominant seventh chord to make it dominant?" Musicians will recognize the crudities of those queries. But he stuck. So did his corresponding mentors on the outside—notably Paul Whiteman, Ferde Grofe, and Vaughn de Leath.

And what happened? At the end of

MIKEoscopes

THE fifty-second and final MIKEoscope has been published in RADIO GUIDE. In order to be among the first to receive your MIKEoscope Album and Log Book, mail your set now! Already the staff in charge of this handsome offer threatens to be overwhelmed with the number of claims. Don't delay. Send in your MIKEoscopes for your copy of the Album and Log Book today! Address MIKEoscope Editor, RADIO GUIDE, 731 Plymouth Court, Chicago, Illinois. Forward your MIKEoscopes in a flat package if you can. Be sure to enclose a slip of paper containing your name and address written, printed or typed legibly.

For your guidance a complete list of the MIKEoscope subjects, as they were published in separate issues of RADIO GUIDE, follows:

- | | | | |
|---------------------|------------------------|--------------------------|----------------------|
| 1. Ruth Etting | 14. Bing Crosby | 27. Countess Alba | 40. Virginia Payne |
| 2. Joe Penner | 15. Jeanie Lang | 28. Richard Himber | 41. Jack Little |
| 3. Leah Ray | 16. Edwin C. Hill | 29. Jane Froman | 42. Rosemary Lane |
| 4. Fred Allen | 17. Ann Leal | 30. Tony Wong | 43. Ozzie Nelson |
| 5. Mary Livingstone | 18. James Melton | 31. Irene Rich | 44. Frances Langford |
| 6. Rudy Vallee | 19. Kate Smith | 32. Wendell Hall | 45. Charles Winniger |
| 7. Gracie Allen | 20. Jack Benny | 33. Shirley Howard | 46. Eddie Cantor |
| 8. Lawrence Tibbett | 21. Jessica Dragonette | 34. Little Jackie Heller | 47. Bebe Carter |
| 9. Annette Hanshaw | 22. Vincent Lopez | 35. Belly Barthell | 48. Dorothy Page |
| 10. Morton Downey | 23. Ethel Shutta | 36. Frank Munn | 49. Ben Bernie |
| 11. Gertrude Niesen | 24. Harry Horlick | 37. Adele Ronson | 50. Roxy |
| 12. Harry Richman | 25. Peggy Allenby | 38. Edward Reese | 51. Michael Rallette |
| 13. Connie Boswell | 26. Ralph Kirby | 39. Robert Simmons | 52. Wayne King |

Notice: If your set of MIKEoscopes is complete except for a few that have been mislaid or lost, the publishers of RADIO GUIDE still wish you to have the Album. Proceed as follows.

Check or circle the numbers of the missing MIKEoscopes on the list herewith and send it together with five cents (stamps or money order) for each one missing, to RADIO GUIDE, 731 Plymouth Court, Chicago, Illinois. Reprints of these will be sent you by return mail, then file your Album order as explained above.

It is of paramount importance that you send for your Album NOW! The more promptly you act, the sooner your Album can be mailed. Do it today!

TERCC, SAN JOSE, CUBA 16.551

Friday, June 7, 11 p. m.—Special program for Cuban Short Wave Radio Club.

EAQ, MADRID, SPAIN (9.86)

Sunday, June 2, 8 p. m.—International Broadcast of Classical Recordings.

RADIO GUIDE PROGRAMS

THURSDAYS, 2:00 P.M.

JOE HORNSEY, Lyric-Baritone

WHOM

250 Watts

1450 Kilocycles

THURSDAYS, 4:30 P.M.

STEVEN BARRY in

"Songs You Like to Hear"

WOV

1130 Kilocycles

PBI, HUIZEN, HOLLAND 137.771

Sunday, June 2, 10-10 a. m.—Roman Catholic Broadcasting Association.

Monday, June 3, 8:55 a. m.—Meeting of PBI Club.

Thursday, June 6, 9:15 a. m.—Children's Church

On Short Waves

(Time Shown Is EST; Subtract One Hour for CST)

SPECIAL EVENTS

Monday, June 17, 2:30 p. m.; 10 p. m.; GSB (9.51), GSD (11.75)—Act I of Gilbert and Sullivan's Light Opera, *The Yeomen of the Guard*.

Friday, June 21, 7:30-8 a. m.; GSF (15.14); GSG (17.79)—Senior International Auto-Cycle Tourist Trophy Race.

2:30 p. m.; GSB (9.51); GSD (11.75)—Act I of Gilbert and Sullivan's Light Opera, *The Mikado*.

Saturday, June 22, 1:15-2 p. m.; GSB (9.51); GSD (11.75)—Central Band of His Majesty's Royal Air Force.

DAVENTRY, ENGLAND, GSD (11.75) GSC (9.58)

Daily, 7:45 p. m.—News

Sunday, June 16, 6:50 p. m.—BBC Empire Orch.

Monday, June 17, 6:30 p. m.—England vs. South Africa, cricket match.

6:45 p. m.—Michael Carr, pianist.

7 p. m.—Meek Detective Albert Campion.

7:15 p. m.—Organ.

Tuesday, June 18, 6 p. m.—England vs. South Africa, cricket match.

Wednesday, June 19, 6 p. m.—Ballads of Betty and Bill.

6:35 p. m.—Pebbles for Pleasure.

Thursday, June 20, 6 p. m.—Adventures in filming Golden Eagle.

7:15 p. m.—Reading from Krueger National Park.

Friday, June 21, 6:30 p. m.—Talk; Freedom.

7:05 p. m.—Recording of Auto-Cycle Tourist Trophy Race.

Saturday, June 22, 6 p. m.—Looking Backwards, review of events in April, May, 1935.

ZEESEN, GERMANY, DJD (11.77) DJC (6.02)

Daily, 8:15 p. m.—News in English

Sunday, June 16, 7:30 p. m.—The Horoscope, a sketch.

Monday, June 17, 6 p. m.—Variety Entertainment.

7:30 p. m.—Songs and piano music of Brahms and Strauss.

Tuesday, June 18, 6:15 p. m.—Old German Craftsmanship throughout the World.

8 p. m.—Songs.

Wednesday, June 19, 6 p. m.—Fatinitza, Opera selections.

8:30 p. m.—A Hundred Years of German Railway Development.

Thursday, June 20, 6 p. m.—Light Music.

7:30 p. m.—Wayward Katie, play.

Friday, June 21, 7:30 p. m.—Drum soll der Saner mit dem Konig geh'n, sequence.

9:30 p. m.—Musical Variety.

On Short Waves

(Time Shown Is EST; Subtract One Hour for CST)

SPECIAL EVENTS

Monday, June 24, 10:10:45 a. m.; GSF (15.14), GSG (17.79)—International Horse Show at Olympia.

2:3 p. m.; GSB (9.51), GSD (11.75)—Will C. Pepper's White Coons, concert party show.

Tuesday, June 25, 3:30-4:20 p. m.; GSD (11.75), GSF (15.14)—Boxing Bouts at Wembley.

Wednesday, June 26, 8:50-9:15 a. m.; GSF (15.14) GSG (17.79)—Running of the Northumberland Plate.

Friday, June 28, 2:10-3 p. m.; GSB (9.51), GSD (11.75)—Seven Tales, a serial; 4:5 p. m., Beside the Seaside, the Midlands visit North Wales resorts.

Saturday, June 29, 9:55-10:30 a. m.; GSF (15.14), GSG (17.79)—Royal Air Force Display.

2:20 p. m.; GSB (9.51), GSD (11.75)—Band of His Majesty's Dragoon Guards.

ENGLAND, GSD (11.75), GSC (9.58)

Daily, 7:45 p. m.—News.

Sunday, June 23, 6 p. m.—BBC Empire Orchestra.

Monday, June 24, 6 p. m.—Tube Tunes.

6:45 p. m.—Talk; Foreign Affairs.

Tuesday, June 25, 6:30 p. m.—Detective Leather-mouth.

6:45 p. m.—BBC Empire Orchestra.

Wednesday, June 26, 6 p. m.—Running of Northumberland Plate (from recording).

6:30 p. m.—Recording of Boxing Bouts at Wembley.

8 p. m.—Dance Music by Harry Fox.

Thursday, June 27, 6:30 p. m.—Talk; Freedom.

6:55 p. m.—BBC Empire Orchestra.

Friday, June 28, 6 p. m.—Great Occasions at Which We Never Hope to be Present

6:30 p. m.—Readings.

Saturday, June 29, 6 p. m.—England vs. South Africa, cricket match.

6:30 p. m.—Recording of Royal Air Force Display.

7 p. m.—Marches and Waltzes.

GERMANY, DJD (11.77), DJC (6.02)

Daily, 8:15 p. m.—News in English.

Sunday, June 23, 6:15 p. m.—Popular Concert.

Monday, June 24, 6 p. m.—Berlin District Orch.

7:30 p. m.—The Merry Anglers, a play.

Tuesday, June 25, 7:15 p. m.—German Festival Plays

9:15 p. m.—New Berlin Chamber Orchestra.

Wednesday, June 26, 6 p. m.—Orchestral Concert.

Thursday, June 27, 6 p. m.—Music on Folk instruments.

7:15 p. m.—German Techniques in Front.

Friday, June 28, 6 p. m.—Concert of Light Music.

8:30 p. m.—Works by Niemann and Hermann.

Saturday, June 29, 6 p. m.—The Four Artful Dodgers, a musical farce.

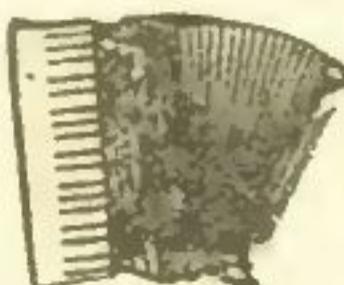
RICHARD HIMBER'S STUDEBAKER CHAMPIONS

FRIDAY 9 P.M. EST
CBS—including WKRC—WADC
—WHAS—
and Coast to Coast Network



New York's
Smartest
Dance Orchestra.

THE MOST FAMOUS NAME in the ACCORDION WORLD



U. S. Patent Pending

presents the
**EXCELSIOR
CONCERT
GRAND**
"Ace of Accordions"
ART BROCHURE FREE
333 SIXTH AVE.

On Short Waves

(Time Shown Is EST; Subtract One Hour for CST)

SPECIAL EVENTS

- Tuesday, July 2, 8:30-9:30 p. m.; CDC, Havana, Cuba (6.01)—An hour with Cuba.
- Thursday, July 4, 7:20-7:50 a. m.; GSG (17.79), GSF (15.14)—The Empire Parliamentary Association inaugural luncheon, with speech by Stanley Baldwin.
- Thursday, July 4, 10-10:45 a. m.; GSG (17.79), GSF (15.14)—A visit to the Gravesend Sea School.
- Saturday, July 6, 6:15-6:40 a. m.; GSG (17.79), GSF (15.14)—Running commentary on Championship Tennis Matches at Wimbledon.
- 9:30-11:15 a. m.; GSG (17.79), GSF (15.14)—Running commentary on Championship Tennis Matches at Wimbledon.

ENGLAND: GSD (11.75, GSC (9.58), GSB (9.51)

- Daily, 7:45 p. m.—News bulletins.
- Sunday, June 30, 6:45 p. m.—"Shaking Hands with a Hurricane," by Sinbad.
- Monday, July 1, 6 p. m.—Running commentary on cricket match; England vs. S. Africa.
- 6:35 p. m.—Dominion Day Message from the High Commissioner in London for the Dominion of Canada.
- 6:45 p. m.—"Looking Westward," a Dominion Day program.
- Tuesday, July 2, 6 p. m.—England vs. S. Africa, cricket match.
- 6:15 p. m.—Ocean recital.
- 6:45 p. m.—Meet Detective Inspector Higgins.
- 7 p. m.—"Light and Shade."
- Wednesday, July 3, 6 p. m.—"London Goes Home."
- 6:45 p. m.—Talk on foreign affairs.
- 7 p. m.—Casani Club orchestra.
- Thursday, July 4, 6 p. m.—Recording of Empire Parliamentary Association luncheon.
- 6:30 p. m.—Headline from "Two Young Men See the World" and "British North Borneo."
- 6:45 p. m.—BBC Empire orchestra.
- Friday, July 5, 6 p. m.—Great occasions at which we hope never to be present, "The Kicking of a Bucket."
- 6:35 p. m.—Electrical recording of Wimbledon Tennis play.
- 7:15 p. m.—Talk, "Speed Record," by Sir Malcolm Campbell.
- Saturday, July 6, 6 p. m.—BBC Men's Chorus.
- 6:25 p. m.—Recording of Wimbledon Tennis play.
- 7:15 p. m.—Review of the Royal Air Force.

Short Wave Numerals

RADIO GUIDE now carries the advance programs of principal American short-wave stations. Those now listed include W2XAD and W2XAF, both of the General Electric Company, in Schenectady, N. Y.; W2XE, of the Columbia Broadcasting System, New York, N. Y., and W8XK, the Westinghouse Elec. & Mfg. Co., East Pittsburgh, Penn. The method of listing is this: Immediately following the listing of a program which is carried by W2XAD will be found "sw-15.33" in parentheses. This indicates that the program may be heard on short waves on the frequency of 15.33 megacycles (15,330 kilocycles) which is the channel of W2XAD.

Similarly, the figure 9.53, representing 9.53 megacycles, signifies programs emanating from W2XAF on that frequency. W2XE is indicated by either 15.27 or 6.12, and W8XK by 21.54, 15.21, 11.87 or 6.14.

Listeners remote from large stations will find reception on the short-wave channels often better than on the regular broadcast waves. Of course, you need a short-wave set.

- (CBS)
 WFBE—To be announced
8:00 p.m. EST 7:00 CST
 NBC—Silken Strings; Charlie
 Previn's Orch.: WJZ WENR
 KDKA WLW WHAM (sw.
 11.87)
 CBS—"America's Hour": WABC
 WHAS KMOX WKRC WSMK
 WBBM (sw. 6.12)
 NBC—the Manhattan Merry-Go
 Round, Featuring Famous Acts
 of the American Theater,
 Rachel Carley, blues singer;
 Jerome Mann, impersonator;
 Pierre Le Kreun, tenor; Men
 About Town, 'trio; Orch., di
 rection Andy Sannella WEAF
 WTAM WGY WSAI (sw. 31.48)
 WAVI—Galaxy of Stars
 WCKY—Vincent York's Orch.
 WFBE—The Harmony Masters
 WGBF—Smith and Butterfield
 WGN—Joe Sanders' Orchestra
 WSM—Francis Craig's Orchestra
8:15 p.m. EST 7:15 CST
 WFBE—Jimmy Ward
 WGN—Dance Orchestra
8:30 p.m. EST 7:30 CST
 NBC—American Album of Fam
 iliar Music; Frank Munn, ten
 or; Vivienne Segal, soprano,
 Bertrand Hirsch, violinist; Gus
 Haenschen's Orch.: WEAF
 WTAM WSM WGY WSAI (sw.
 31.48)
 ★ NBC—Cornelia Otis Skinner,
 actress: WJZ KDKA WENR
 WLW WHAM (sw. 11.87)
 WAVI—Bert Kenny
 WCKY—Cosmopolitan Singers
 WFBE—Bill Mandell
 WGN—Horace Heidt's Concert
 WFB—Musical Selections
 WGN—Arthur Sears Henning
 WHAS—Musical Moments
 WKRC—Red Birds' Orchestra
 WLS—Burton Locke's Orch.
 WSAI—Classical Varieties
9:45 p.m. EST 8:45 CST
 CBS—Gen. Douglas McArthur,
 talk: WKRC WHAS
 KMIX—Sport Page of the Air
 WFBE—Joe Ulrich
 WGN—Continental Gypsies
10:00 p.m. EST 9:00 CST
 NBC—Fireside Singers; News:
 WJZ
 CBS—Musical Mirror: WABC
 WSMK WKRC WHAS KMOX
 NBC—Les Gordon's Orchestra:
 WEAF WCKY WAVE WTAM
 WGY WSAI (sw. 31.48)
 KDKA—Y. M. C. A. Program
 WBBM—Musical Moments
 WENR—Globe Trotter; News
 WFBE—Jimmy Ward
 WGN—Veloz & Yolanda's Orch.
 WHAM—Baseball Scores; News
 ★ WLW—KEN-RAD CORPORA
 tion Presents "Unsolved Mys
 teries"
 WSM—Christine Johnson, contr
 alto; John Lewis, baritone
10:15 p.m. EST 9:15 CST
 NBC—Jesse Crawford organist:
 WEAF WGY WSAI WCKY
 WAVE WTAM (sw. 31.48)
 NBC—Shandor, violinist WJZ
 WHAM
 KDKA—Mac and Bob
 WBBM—Musical Mirror (CBS)
 WENR—A Song A Day
 WFBE—Musical Selections
 WGN—Joe Sanders' Orchestra
 WWL—Dance Orchestra
 WABC KMOX WKRC WHAS
 WSMK WBBM
 NBC—Stan Wool's Orchestra:
 WEAF WCKY WGV WSM
 WSAI (sw. 31.48)
 WAVE—Don Pedro's Orchestra
 WENR—Sammy Kaye's Orch.
 WGN—Joe Sanders' Orchestra
 WLW—George Duffy's Orchestra
 WTAM—Stan Woods Orchestra
11:45 p.m. EST 10:45 CST
 WAVE—Jimmy Joy's Orchestra
 WGN—Veloz & Yolanda's Orch.
12:00 p.m. EST 11:00 CST
 CBS—Horacio Zito's Orchestra:
 KMOX WBBM
 NBC—Leonard Keller's Orch.:
 WSM WAVE
 MBS—Continental Gypsies, WGN
 WLW
 WENR—Glenn Lee's Orchestra
 WHAS—Milburn Stone's Orch.
 WKRC—Red Bird's Orchestra
 WTAM—Allen Smith's Orch.
12:15 a.m. ES 11:15 p.m. CS
 MBS—Anson Weeks' Orchestra:
 WGN WLW
12:30 a.m. ES 11:30 p.m. CS
 CBS—Floyd Town's Orchestra:
 WBBM KMOX
 WAVE—Archie Simond's Orch.
 WENR—Roy Maxon's Orchestra
 WGN—Joe Sanders' Orchestra
 WHAS—Oscar Kogel's Orchestra
 WLW—Johnny Courtney's Orch.
 WSM—Dance Orchestra
 WTAM—Sammy Kaye's Orch.
12:45 a.m. ES 11:45 p.m. CS
 KMOX—When Day is Done
 WENR—Ben Pollack's Orch.
1:00 a.m. ES 12:00 p.m. CS
 WGN—Veloz & Yolanda's Orch.
 WLW—Moon River

Short Wave Programs

(Time Shown is EST; for CST
Subtract One Hour)

SPECIAL EVENTS

- Tuesday, July 16, 8:05-8:25 a. m.: GSG (17.79), GSF (15.14)—Naval Review.
10:10-10:15 a. m.: GSG (17.79), GSF (15.14)—Naval Review.
5:15-5:25 p. m.: GSF (15.14), GSD (11.75)—Naval Review.
8:30-9:30 p. m.: COC (6.01)—An Hour with Celia.
- Thursday, July 18, 10:30-10:50 a. m.: GSB (9.51), GSD (11.75), GSL (6.11)—Opening of International Girl Guide and Girl Scout Camp at Winnsont, Northern Ireland.
- Saturday, July 20, 6:6:45 a. m.: GSF (15.14), GSG (17.79)—Highlanders Band.
9:11-15 a. m.: GSF (15.14), GSG (17.79), GSB (9.51)—Davis Cup Inter-zone Tennis Final.

DAVENTRY, ENGLAND; GSD (11.75), GSC (9.58)

- Daily, 7:45 p. m.—News.
- Sunday, July 14, 6 p. m.—Reading to Nova Scotia, and Wayfarrer to the West Indies.
7 p. m.—Service from St. Paul's, London.
- Monday, July 15, 6 p. m.—England vs. South Africa, cricket.
7:15 p. m.—Talk: Cherry Kearton.
7:30 p. m.—Michael Sayer, pianist.
- Tuesday, July 16, 6 p. m.—England vs. South Africa, cricket.
7 p. m.—Naval Review, recording.
- Wednesday, July 17, 6 p. m.—The Thief in the Night, musical burlesque.
6:45 p. m.—Talk: Foreign Affairs.
7 p. m.—Harry Fox's Orchestra.
- Thursday, July 18, 6 p. m.—Mixed Pickles, No. 2; musical play.
6:45 p. m.—The Wunderland of Big Game, Major A. R. Duxmore.
- Friday, July 19, 6 p. m.—Burning of a Candle at Both Ends.
6:45 p. m.—BBC Empire Orchestra.
- Saturday, July 20, 6 p. m.—Davis Cup Inter-zone finals, recording.
6:15 p. m.—John Barelli's Novelty Orchestra.
7 p. m.—Hillie Shooting Competition, recording.

ZEESEN, GERMANY; DJD (11.77), DJC (6.02)

- Daily, 8:15 p. m.—News in English.
- Sunday, July 14, 7:30 p. m.—Musicians of the Palatinate.
- Monday, July 15, 7:15 p. m.—Wandering Minstrels.
8:30 p. m.—Summer, a song cycle.
- Tuesday, July 16, 7:15 p. m.—Carpet Weaving by Fishers of the Baltic.
- 7:30 p. m.—Classical Humor in Song and Word.
- Wednesday, July 17, 7:30 p. m.—Evening in the Homeland.
10:30 p. m.—The Letter Box.
- Thursday, July 18, 6:15 p. m.—The Magic Horn.
7:30 p. m.—Railway Exhibition at Nuremberg.
9:20 p. m.—Music of Today.
- Friday, July 19, 7 p. m.—Songs, Richard Trunk.
7:15 p. m.—Horror Tales.
- Saturday, July 20, 6 p. m.—When Love Commands, operetta.
7:30 p. m.—Chamber Orchestra.

On Short Waves

By Charles A. Morrison

(EST and CST Shows. Figures in parentheses denote megacycles)

SHORT wave reception, especially from Trans-Pacific stations, is excellent at present. Summarizing dozens of reports on recent Trans-Pacific reception we find that:

Programs of Eastern music are being broadcast every Tuesday morning from PLV, Bandung, Java (942), and irregularly on other days. These transmissions are at 10:10-10:30 a. m. EST (9:30-10:30 CST) and beamed on the U. S.

PLV, Bandung, Java (1883), tests and broadcasts irregularly from 12:40-1:30 a. m. EST (11:30-12:30 a. m. CST). It also calls Tokio at 9 p. m. EST (8 CST).

All of the Dutch East Indies stations of the N.I.R.O.M. announce in English between 6:25 and 6:30 a. m. EST (5:25 and 5:30 CST).

Joe Miller of Brooklyn, New York, informs that P.L.P., Bandung, Java (1100), seems to relay YDA with all sorts of oriental music between 5-6 a. m. EST

each Monday and Thursday afternoon from 4-5 p. m. EST (3-4 CST).

JVF, Nazaki, Japan (13.62), still broadcasts musical programs irregularly at 4:30 p. m. EST (3:40 CST).

According to a verification received by John Shanks of Russellville, Tennessee, TIRCC, of San Jose, Costa Rica, operates on 6.55 megs or 458 meters with 500 watts power.

The International Short-wave Club advises that IIP3H, the *Voice of Colou*, Panama, soon will be heard on 6.07 megs. The transmitter will use 300 watts power.

W2XAF and W2XAD of the General

Electric Company are the first to make a move in the direction we have been advocating of signing off with our national anthem. Beginning July 15, all programs from these stations will be concluded by the playing of the entire selection *Star Spangled Banner*.

There is an Italian short-wave station at Algoi, Italian Somaliland, which communicates directly with Rome. According to reports use of the station figures importantly in plans for the forthcoming war with Ethiopia.

VI3MR, *The Voice of Ghana*, at Georgetown, Ghana, has verified Edward Goss' report which was mentioned in this column some time ago. It is on 7.08 megs

One of England's famed pageants, the *Tidworth Tattoo*, will be broadcast over GSD (11.75) and GSC (9.58) on Saturday, August 3, at 6:30 p. m. EST (5:30 CST). This is a moving, outdoors exhibition, and will include concerts by more than a dozen bands, some of them mounted. In order to broadcast this effectively, it is necessary that the microphone be moved from place to place, and the announcer must march with the participants of the pageant. As the entire scene is done in scenes depicting former years, the announcer and engineers carrying the microphone both must wear green overalls.

An official letter just received from Nippon Hoso Kyokai (The Broadcasting Corporation of Japan) is as follows: "We started an overseas broadcast, and the time at first selected was from 9:30-10:30 p. m. EST (8:30-9:30 CST). However for the benefit of listeners on the Pacific Coast and Hawaii, the time has been changed to 12 mid-1 a. m. EST (11 p. m.-12 mid. CST) daily. The broadcasts are sent out through JVII, Nazaki, Japan (14.6). Other frequencies will be added later and announced during the course of the broadcast. Critics and suggestions are welcome and verifications will be sent on request to the 'Overseas Section, the Broadcasting Corporation of Japan, Hibiya Park, Tokio, Japan.' JVH also is testing

7:15 p. m. EST 6:15 CST
MBS—Palace House Ensemble: WGN WSAL

WCKY—Concert Orch. (NBC)

WFBE—Tommy Ryan

WGBF—Sports News

WWVA—Jack and Velma

7:30 p. m. EST 6:30 CST
★ CBS—Musical Headliners:

James Melton, tenor; Revelers

Quartet; Hallie Stiles, soprano;

Pickens Sisters; French Tops

Orch.; WABC WKRC WHAS

WWVA WSMK (sw-6.12)

MBS—Band Box Revue: WGN

WSAI

KMOX—News

WBBM—News: Zito's Orchestra

(CBS)

WFBE—Harry Hartman's Sports Review

WGBF—Wood's German Band

WLS—Songs of Home Sweet Home

7:45 p. m. EST 6:45 CST

NBC—Heinrich Willem Van Leeuwen

autograph: WJZ WCKY WLS

KDKA WHAM (sw 11.87)

KMOX—After Sundown

WBBM—Melodies of Yesterday

(CBS)

WFBE—Emma Scully, violinist

8:00 p. m. EST 7:00 CST

NBC—Sukies Strings; Charlie

Previn's Orch.: WJZ WENB

KDKA WLW WHAM (sw 11.87)

NBC—The Manhattan Merry Go Round, featuring Famous Acts

of the American Theater; Rachel Carley, blues singer;

Jerome Mann, impersonator;

Pierre Le Kreton, tenor; Men

About Town, trio, Orch., direction Andy Samuels

WEAF WTAM WGY WSAI (sw 31.48)

WABC—Galaxy of Stars

WCKY—Musical Revue

WFBE—The Harmony Masters

WGN—Joe Sanders' Orchestra

WMB—Frances Craig's Orchestra

8:15 p. m. EST 7:15 CST

WFBE—Jimmy Ward

WGN—Dance Orchestra

8:30 p. m. EST 7:30 CST

NBC—American Album of Familiar Music; Frank Munn, tenor;

Veronica Segal, soprano;

Bertland Hirsch, violinist; Gothaen's Orch.: WEAF

WTAM WSM WGY WSAI

WAVE (sw 31.48)

★ NBC—Cornelia Otis Skinner, actress: WJZ KDKA WENB

WLW WHAM (sw 11.87)

WCKY—Metropolitan Singers

WFBE—Bill Mandell

WGN—Horace Heidt's Concert

8:45 p. m. EST 7:45 CST

NBC—Kurt Hirschfeld, tenor:

WJZ WENB WCKY KDKA

WHAM (sw 11.87)

WFBE—Louise Kleve

WLW—Unbeknown Melodies

and transmits the following schedule:

Sundays, 7:45-10:15 a. m. EST (6:45-9:15 CST); Mondays, 3:45-4:45 p. m. EST (2:45-3:45 CST) and 6:45-7:45 p. m. EST (5:45-6:45 CST); Wednesdays, 6:45-7:45 p. m. EST (5:45-6:45 CST); Thursdays, 5-6:45 p. m. EST (4:45-5:45 CST), and Saturdays, 6:45-7:45 p. m. EST (5:45-6:45 CST).

Hector McCormick of Bogotá, Colombia, states that HKV, Bogotá (7.9), is on from 8-10 p. m. EST (7-9 CST) on Tuesday, Thursday, and Saturday ... HJ4ABF, *Ecos del Conchero*, at Ibague, Colombia, works daily on 0.3 megs from 7-10 p. m. EST (6-9 CST) ... HJHABC, Pereira, Colombia (6.11), is on from 7-10 p. m. EST (6-9 CST) daily ... HJI-ABC, Quindío, Colombia, is installing a new transmitter of 100 watts ... HJJABF, Bogotá, Colombia, soon will increase its power to 250 watts. This station never has verified correct reports, but Mr. McCormick states that he is making arrangements so that correct reports of members of the International Dx'ers Alliance will be answered.

Die Fledermaus, The Bat, by Johann Strauss, will be featured for a full hour over DJD, Zeesen, Germany (11.77), Tuesday, July 30, at 6 p. m. EST (5 CST). Although there are six known composers by the name of Strauss, this Johann undoubtedly is the most famous. He is composer of *The Blue Danube* waltz. *Die Fledermaus*, forerunner of present-day Viennese operetta, first was produced in Vienna in 1874. It has been heard in the United States at the Metropolitan with such stars as Caruso, and DeWolf Hopper once was in the cast when it was given at the New York Casino.

The New Zealand DX Radio Association reports that short-wave station W9XF of Chicago (6.1), is making itself well known with its nine-language announcements at 6:30 p. m. New Zealand time. It is received with perfect audibility and good signal strength every day.

Mrs. Bernice Wilson of Radio Fellowship Chapter of the International Dx'ers Alliance, at Los Angeles, reports an unusual reception of Tripoli, North Africa, at 5:22-6:23 a. m. EST (4:22-5:23 CST) on 9.46 megs. This station announced, "This is Tripoli." Ordinarily this station works in a commercial circuit with IAC, Italy.

(Continued on Page 23)

Hear the Amazing

KEN-RAD
UNSOLVED MYSTERIES

featuring Doctor Kented,
Detective Extraordinary

TONIGHT WLW

10 p. m., EST (9 CST)

Ten complete sets of Ken-Rad Radio Tubes given away every Sunday night to listeners.

Be a RADIO EXPERT
Learn at Home-Make Good Money

Mail the coupon. Many men I taught at home to earn money make \$10,000, \$100,000 a week. Many make \$5, \$10, \$20 a week in spare time while learning. Our fees teach Radio's opportunities and are unusually practical about methods of training. Home-experienced students make learning easy, practical, fascinating. Money back guarantee you. Mail coupon for free 32-page book.

National Radio Institute, Washington, D. C.

J. E. SMITH, President, Dept. 5410.

Send me your free book, "Rich Rewards in Radio."

This does not obligate me. (Please print plainly.)

Name.....

Address.....

City..... State.....

On Short Waves

(Continued from Page 13)

ZBW, Hong Kong, China, still is being heard on 8.75 mcs. Reports should be addressed to Miss Betty M. Billing, Assistant Secretary, Hong Kong Broadcasting Committee, P. O. Box 200, Hong Kong, China. Although the short-wave call is officially ZCK, the broadcast band call of ZBW always is used in the transmissions.

ZHJ, Penang Straits Settlement, evidently has changed its frequency, according to advice received by John Clark of San Francisco, which states they are now on 7.63 mcs daily except Sunday from 7 to 9 a. m. EST (6-8 CST).

Advance Programs

(Time Shown is EST; for CST Subtract One Hour)

SPECIAL EVENTS

Monday, July 29, 9 to 11:30 a. m.; GSG (17.79), GSF (15.14), London—Commentaries on Davis Cup challenge round.
3 to 3:15 p. m.; GSB (9.51), GSD (11.75), GSL (6.1), London—Exploring London's Green Belt, talk.
6 to 7:30 p. m.; 2RO (9.64), Rome—Opera, Anna Karenine.
Tuesday, July 30, 9 to 11:30 a. m.; GSG (17.79), GSF (15.14), London—Commentary on Davis Cup challenge round.
8:30 to 9:30 p. m.; COC (6.01), Havana, Cuba—An Hour with Cuba.
Friday, August 2, 6 p. m.; 2RO (9.64), Rome—Opera, Cinderella.
Saturday, August 3, 12:30 p. m.; GSB (9.51), GSD (11.75), GSI (15.26), London—Interviews with Scotch travelers.
3:55 to 4:15 p. m., and 5:25 to 5:45 p. m.; GSB (9.51), GSF (15.14), London—Tidworth Tattoo, pageant, with massed bands.

DAVENTRY, ENGLAND; GSD (11.75), GSC (19.58)

Daily, 7:45 p. m.—News.
Sunday, July 28, 6:55 p. m.—Religious Service.
Monday, July 29, 6 p. m.—England vs. South Africa, cricket match.
7:15 p. m.—Davis Cup challenge round, recording.
7:25 p. m.—Portsmouth Royal Naval Singers.
Tuesday, July 30, 6:55 p. m.—Davis Cup challenge round, recording.
7:15 p. m.—Friendly Harmony.
Wednesday, July 31, 6 p. m.—BBC Orchestra.
6:45 p. m.—Death in High Society, story.
7 p. m.—Sydney Kyte's Dance Orchestra.
Thursday, August 1, 6:30 p. m.—Light and Shade, variety hour.
10:15 p. m.—Maurice Winden, organist.
Friday, August 2, 6 p. m.—Tommy Moran's Entertainers.
6:45 p. m.—Foreign Affairs, talk.
7 p. m.—BBC Orchestra.
Saturday, August 3, 6 p. m.—Hearts, play.
6:30 p. m.—Tidworth Tattoo, outdoor pageant, massed bands, recording.

ZEESEN, GERMANY; DJD (11.77), DJC (6.02)
Daily, 8:15 p. m.—News.
Sunday, July 28, 5:10 p. m.—Young Folks' Theater: A Trip to Summerland.
8:30 p. m.—Hitler Youth program; inauguration of Deutschland camp.
Monday, July 29, 7:15 p. m.—Folk Songs.
7:30 p. m.—Viennese Tales.
8:30 p. m.—Light Music.
9:20 p. m.—Variety Show.
Tuesday, July 30, 6 p. m.—Die Fledermaus (The Bat), comic opera by Johann Strauss.

7:15 p. m.—Those Who Sailed Across the Sea, talk.
Wednesday, July 31, 6 p. m.—Licht, radio opera.
7:30 p. m.—Germany Out Under, play.
9:30 p. m.—Variety Program.
Thursday, August 1, 6 p. m.—Short trip through Hanse cities.
7:30 p. m.—Praise to Summer.
Friday, August 2, 7:15 p. m.—The Nightingale, drama.
Saturday, August 3, 7:15 p. m.—Foundation Day of Berlin University.

ROME, ITALY: 2RO (9.64)

Monday, July 29, 6 p. m.—The Soul of Sardinia, talk by Grazia Deledda, Nobel prize winner.
6:30 p. m.—Opera, Anna Karenine.
Wednesday, July 31, 6 p. m.—Talk, New Transformation of Modern Rome, by Giuseppe Bottai, governor of Rome.
6:30 p. m.—Variety Concert.
Friday, August 2, 6 p. m.—Talk, Modern Italian Poets, by Giuseppe Ungaretti, writer.
6:30 p. m.—Opera, Condorion.

HUIZEN, HOLLAND: PHI (17.76)

Sunday, July 28, 8 a. m.—Wandering through the mother country.
Monday, July 29, 8:15 a. m.—Sports talk, C. J. Groothoff.
Thursday, August 1, 7:40 a. m.—Talk on Music by W. Huisbergenhyter.
Friday, August 2, 7:45 a. m.—Short waves—long distances, talk by W. P. L. Spruit.
Saturday, August 3, 9:05 a. m.—Aviation talk.

MADRID, SPAIN: EAQ (9.87)

Sunday, July 28, 6:15 p. m.—Theatrical Review, in Spanish.
Monday, July 29, 7 p. m.—Sports talk.
7:20 p. m.—Bullfight Review.
Tuesday, July 30, 5:45 p. m.—News in Spanish.
7 p. m.—Special program for English speaking listeners.
Wednesday, July 31, 6:30 p. m.—News in Spanish, French and English.
Friday, August 2, 6:10 p. m.—Literary talk in Spanish.
Saturday, August 3, 6:30 p. m.—News in Spanish, French and English.

RICHARD HIMBER'S

STUDEBAKER CHAMPIONS

FRIDAY 9 P.M. EST
CBS—including WKRC—WADC
—WHAS—
and Coast to Coast Network



New York's
Smartest
Dance Orchestra

DEAFNESS IS MISERY

Many people with defective hearing and Head Noise enjoy Conversation, Movies, Church and Radio, because they are



On Short Waves

By Chas. A. Morrison

(EST and CST Shown. Figures In Parentheses Denote Megacycles.)

CONSIDERABLE controversy has arisen as to whether HJSABE, Cali, Colombia, on 14.1, was a fundamental frequency, or just a harmonic of this station's supposed frequency, 7 megs. According to a letter from the U. S. Bureau of Foreign and Domestic Commerce received by Dr. Twomey, of Fort Snelling, Minnesota, HJSABE operates only on a frequency of 14 megs or 21.25 meters, and with a power of 50 watts.

Still another European country shortly will start an Empire short-wave service for the benefit of its countrymen residing in foreign countries. The Czechoslovakian government is installing a 35-kilowatt short-wave transmitter at Podebrady, near Prague, according to World Radio reports. The station will be used for spreading Czech and Slovak culture, it is stated.

WILLIAM E. CAULFIELD, Tenerife, Canary Islands, reports that he heard CTIAA, Radio Coloniale, Lisbon, Portugal, announcing an additional wave-length of 25.34 meters (11.83) to be used on Saturdays (presumably from 3:30-6 p. m. EST (2:30-5 CST) due to interference from HHL, Geneva, Switzerland, on the former frequency of 9.59 megs.

RV15, Khabarovsk, U.S.S.R. (4.27), long one of the most eagerly sought DX stations, soon will take on an added interest. With the introduction of the English language at the station, short-wave listeners can expect to have their reports confirmed. Heretofore no verifications have been issued from this station. RV15 broadcasts from 2:30-9:30 a. m. EST (1:30-8:30 CST), but usually is not heard in this country until around 5 a. m. EST (4 CST).

ZII, Johannesburg, South Africa, broadcasts a special program on Thursdays and Sundays from 12 mid-2 a. m. EST (11 p. m.-1 a. m. CST) on a frequency of 6.09 megs. The program is intended especially for reception in the United States, and reports are earnestly requested.

The new Portuguese station is Juveia Radio, 304, Rua de Santa Catarina, 308, Oporto, Portugal (5.79), operating at irregular intervals until such time as a regular permit is authorized by the Government.

CEC, Santiago de Chile (10.67), has been testing on Thursday and Sunday evenings between 8:30 and 9 p. m. EST (7:30 and 8 CST). CEC signs off with bugle calls.

PLP, Bandung, Java (11), is broadcasting in the early mornings and is best heard between 5:15 and 8:30 a. m. EST (4:15 and 7:30 CST).

The call letters of QAN4B, Lima, Peru, have been changed to QAN4G to distinguish the short-wave station from a broadcasting station having the call QAN4B. QAN4G is owned by Roberto Grelland & Cia., Sen. C. Avenida Abancay 915-923, Lima, Peru. It operates on 6.23 megs and can be heard best when it is using high power on Wednesday nights from 7:11:30 p. m. EST (6:10:30 CST).

(Continued on Page 25)

On Short Waves

(Continued from Page 15)

COMMERCIAL STATIONS—BRAZIL

Maripicu	PSL	7.94	PRHA	9.50
PSA	16.16	Nictheroy	PRFS	9.50
PSA	21.08	PWO	5.28	8.19
PSB	19.01	Olinda	PSS	14.69
PSC	18.64	PRO	4.82	Sepetiba
PSD	15.07	PRP	5.52	PPQ
PSE	14.94	Porto Alegre	PPU	19.26
PSG	10.76	PRAG	8.45	PSZ
PSH	10.22	Rio de	PYR	15.56
PSI	10.12	Janeiro	Taraucá	
PSJ	9.66	PRA3	8.86	PVVS
				3.08

Advance Programs

(EST Shown; for CST Subtract One Hour)

SPECIAL BROADCASTS

Sunday, August 4, 4:30 a. m.; VK3ME (9.51), Melbourne, Australia—World-wide program.
9:10 a. m., PHI (17.77), Huizen, Holland—Holland-Germany water-polo match.
7 p. m., EAQ (9.87), Madrid, Spain—International Broadcasting Company program.
Wednesday, August 7, 10-10:45 a. m., GSF (15.14), GSG (17.79), London—Coo-Coo Noodle Club.
Thursday, August 8, 9:20 p. m., PRADO (6.62), Riobamba, Ecuador—Ecuadorian music.
Friday, August 9, 5:10 p. m., DJD (11.77), DJC (6.02), Zeesen, Germany—The Legend of St. Elisabeth, dramatization.

DAVENTRY, ENGLAND; GSD (11.75) GSC (9.58)

Daily, 7:45 p. m.—News.
 Sunday, August 4, 6 p. m.—BBC Empire orch.
 Monday, August 5, 6:45 p. m.—The Towns, talk.
 7:30 p. m.—Appy 'Ampstead, bank holiday broadcast.
 Tuesday, August 6, 1:30 a. m.—Street performers.
 6 p. m.—Life in Zanzibar, talk.
 7:15 p. m.—From the London Streets.
 Wednesday, August 7, 2 p. m.—The Purple Pilcus, by H. G. Wells.
 6:45 p. m.—Early Days of Lawn Tennis, talk.
 7 p. m.—Dance music.
 Thursday, August 8, 6 p. m.—BBC Empire orchestra.
 6:45 p. m.—Chairing of the Bard, ceremony (recording).
 7:15 p. m.—Happy Holidays.
 Friday, August 9, 6 p. m.—Society entertainers.
 6:45 p. m.—Foreign Affairs, talk.
 7:15 p. m.—Snapshots of a great London department store.
 Saturday, August 10, 2 p. m.—Mystery of the Seven Cafes.
 6:40 p. m.—Thunderbolt, dramatization.
 6 p. m.—Coo-Coo Noodle Club (recording).

DAVENTRY, ENGLAND; GSB (9.51), GSF (15.14), GSL (6.11), or GSE (11.86)
 Tuesday, August 6, 1:30 a. m.—Street performers.
 Wednesday, August 7, 10 a. m.—Coo-Coo Noodle Club.
 2 p. m.—The Purple Pilcus, by H. G. Wells.
 Thursday, August 8, 8 a. m.—Chairing of the Bard, ceremony from Wales.
 10 a. m.—Snapshots from a great London department store.

Saturday, August 10, 2 p. m.—Mystery of the Seven Cafes.

ZEESEN, GERMANY; DJD (11.77), DJC (6.02)
 Daily, 7:15 p. m.—News, in English.
 Sunday, August 4, 5:10 p. m.—Wedding of the Beetle, fairy tale.
 7:30 p. m.—Military music.
 8:30 p. m.—Hitler Youth program.
 Monday, August 5, 6 p. m.—Piano quartet.
 6:30 p. m.—Glimpse of the Sea, scenes of the Baltic.
 7:30 p. m.—Folk music.
 Tuesday, August 6, 5:05 p. m.—German folk music.
 6 p. m.—Symphonic program; Paul Scheinpflug, conductor.
 7:15 p. m.—Young Authors, talk by Wolfram Brockmeyer.
 9:15 p. m.—Soloists.
 Wednesday, August 7, 5:10 p. m.—Hitler Youth program.
 6:15 p. m.—Adventures of Three Gay Fellows, variety program.
 7:15 p. m.—From the German Stories.
 7:30 p. m.—Chamber concert; Hans Oskar Hasse chamber orchestra.
 Thursday, August 8, 6:15 p. m.—Lucky Goloshes, play.
 7:30 p. m.—Chamber music.
 8:45 p. m.—Fairy Tales and Flowers, song recital by Gisela Meyer.
 Friday, August 9, 5:10 p. m.—Legend of St. Elisabeth, dramatization.
 6 p. m.—Light music.
 7:15 p. m.—Kurt Walther, flutist.
 7:30 p. m.—Lyrical Betrothal, comedy.
 10 p. m.—Variety concert.

Saturday, August 10, 6 p. m.—Request program. 7:30 p. m.—Dancing under the village lime tree.

HUIZEN, HOLLAND; PHI (17.77)
 Sunday, August 4, 6:50 a. m.—Y.M.C.A. talk.
 7:10 a. m.—Louis Contran, comedian.
 8:10 a. m.—Roman Catholic Broadcasting Association.
 9:10 a. m.—Holland vs. Germany, water polo match.
 Monday, August 5, 7:15 a. m.—Walther Matthies, pianist.
 8:05 a. m.—Sports talk, Han Hollander.
 Thursday, August 8, 6:40 a. m.—K. Anneveldt, cellist.
 Friday, August 9, 6:45 a. m.—Children in Holland, talk by Miss E. Haaijens.
 9:10 a. m.—Louis Somer, violinist.
 Saturday, August 10, 7:45 a. m.—Mrs. Galjaard von dem Pijl, pianist.
 7:55 a. m.—Captain L. W. Nijland, soloist.
 8:10 a. m.—Talk on wine by J. P. M. Keuls.
 9:15 a. m.—George Pickard and his band.

ROME, ITALY; 2RO (9.63)
 Monday, August 5, 6 p. m.—Talk by American visiting Rome.
 6:30 p. m.—Opera, Giocondo E Il Suo Re. At conclusion of opera (time indefinite)—Italian lesson; Anna Steli, soprano; News.
 Wednesday, August 7, 6 p. m.—Talk by Umberto Klinger, on Italian aviation.
 6:30 p. m.—Concert by band of Royal Carabinieri; Maestro Luigi Cidonei, conductor. At conclusion of concert (time indefinite)—Italian lesson; Giuseppe Martorana, cellist; News.
 Friday, August 9, 6 p. m.—Problems of Urbanism in Italy, talk by P. M. Bardi.
 6:30 p. m.—Opera, Francisca Da Rimini. At conclusion of opera (time indefinite)—Italian lesson; Matilde Capponi, soprano; News.

On Short Waves

(EST and CST Shown. Figures in Parentheses Denote Megacycles.)

APPARENTLY Iceland is finally on the air with its new short-wave transmitter. According to a British listener, Iceland was heard at 4:50 p.m. EST (3:50 CST) on Wednesday, July 10, on a frequency of 12.24 megs, and announced as: "Hier ist der Reykjavik, Iceland."

Later in English came the explanation: "Here is the new short-wave transmitter at Reykjavik testing on a wave-length of 24.52 meters (12.24). We are now going over to a wave-length of 33.11 meters (9.06) and shall be on the air again in about ten minutes."

At 5:15 p.m. EST (4:15 CST) Reykjavik was heard on 33.11 meters. The announcer stated the station was using 7,000 watts and would be on the air again the next evening.

EVERY SHORT-WAVE LISTENER should have an up-to-the-minute and authentic list of stations and their hours of operation. Through an exclusive agreement with the *International Dx'ers Alliance*, of Bloomington, Illinois, any reader of *RADIO GUIDE* sending a 3c U.S. stamp to the Short Wave Editor, *RADIO GUIDE*, 731 Plymouth Court, Chicago, Ill., will be sent free of charge a copy of the *Globe Circler*, containing the latest short-wave notes and a complete short-wave list.

ADVANCE PROGRAMS
(Time Shown Is EST; for CST Subtract One Hour.)

SPECIAL EVENTS

- Sunday, August 11, 6:15 a.m., GSG (17.79). GSJ (13.93), London—Service of Remembrance and Laying up of Colors.
8:30 a.m., RNE (12.00), Moscow—Moscow Radio Orchestra; Soloists.
Monday, August 12, 6 p.m., DJD (11.77), DJC (6.02), Berlin—Die Vielgeliebte, selections from the operetta.
6 p.m., ZRO (9.64), Rome—Opera, Impressario, by W. Mozart.
Tuesday, August 13, 2:40 p.m., GSB (9.51), GSD (11.75), GSL (49.10), London—No Holiday.
6 p.m., DJD (11.77), DJC (6.02), Berlin—The Creation by Joseph Haydn. Werner Richter-Reichhelm, conductor.
Wednesday, August 14, 5:10 p.m., DJD (11.77), DJC (6.02), Berlin—Singing Contest Between Hitler Youth and German Girls' League.
Thursday, August 15, 6:40 a.m. and 7:45 a.m., PHI (17.77), Huizen, Holland—Residential Orchestra of the Hague. Leo Ruygrov Conducting.
7:15 p.m., DJD (11.77), DJC (6.02), Berlin—Forty Years in the Service of Tropical Medicine, talk by Professor Ziemann.

By Chas. A. Morrison

Saturday, August 17, 2 p.m., GSB (9.51), GSD (11.75), GSL (49.10), London—Saturday Night at Radiolympia.

LONDON, ENGLAND; GSD (11.75), GSC (9.58)
Daily, 7:45 p.m.—News.
Sunday, August 11, 7 p.m.—Bells and Service from St. Paul's.
Monday, August 12, 6 p.m.—into the Enemy's Camp, story.
6:20 p.m.—Popular Ballads.

7:05 p.m.—BBC Orchestra.
Tuesday, August 13, 6:30 p.m.—Dog Days.
7 p.m.—Voyage of Discovery, talk.
7:15 p.m.—Organ Recital.
Wednesday, August 14, 6:45 p.m.—Gossip Hour.
7:15 p.m.—Dance Music.
Thursday, August 15, 6 p.m.—BBC Orchestra.
7 p.m.—Mareo the Chief, story.
7:15 p.m.—Music Without Tears.
Friday, August 16, 6:45 p.m.—Foreign Affairs, talk.
7 p.m.—Medvedeff's Balaika Orchestra.
7:30 p.m.—The Wine When It Is Red.

(Continued on Page 23)

Sunday—Continued

- NBC—Fireside Recitals; Sigurd Nilssen, basso; Harilesty Johnson, tenor; Graham McNamee WEAF WGY WTAM WSAI (sw-9.53)
★ NBC—Voice of the People; Jerry Belcher and Parks Johnson, interviewers: WJZ KDKA WCKY WHAM WLS (sw-11.87-15.21)
WAVE—Twilight Gems
WBBM—Dance Music
WFBE—Church Federation
WGN—Bob Becker, doc dramas
WLW—Victor Young's Orch.; Morton Downey
WSM—Strings
6:45 p.m. EST 5:45 CST
NBC—Sunset Dreams; Morin Sisters & Ranch Boys: WEAF WTAM WGY WLW (sw-9.53)
KMOX—Melody Moments
WAVE—Radio News
WBBM—Summer Serenade; Jos. Gallichio's Orch. (CBS)
WGN—Palmer House Ensemble
WHAS—Mammoth Cave
WSAI—Dance Music
7:00 p.m. EST 6:00 CST
★ NBC—Concert Orch.; Leo Spitalny, conductor: WJZ WHAM WLS KDKA (sw-11.87)
★ CBS—Rhythm at Eight; Al Goodman's Orch.: WABC WHAS KMOX WKRC WBBM (sw 6.14)
★ NBC—Major Bowes' Amateur Hour: WEAF WTAM WLW WSM WAVE WGY (sw-9.53)
WCKY—Flowing Entertainers
WFBE—Modern String Doo
WGN—Dance Orchestra
WSAI—Blackshaw & Blackshaw, vocal and piano duo
WWVA—News
7:15 p.m. EST 6:15 CST
MBS—Veloz & Yolanda's Orch.: WGN WSAI
WCKY—Concert Orchestra
WFBE—Tommy Ryan
WGBF—Sports News
WWVA—Jack and Velma
WBBM—Park Board Band Concert
WCKY—Musical Revue
WFBE—The Harmony Masters
WGN—Joe Sanders' Orchestra
WSM—Francis Craig's Orchestra
8:15 p.m. EST 7:15 CST
WFBE—Jimmy Ward
WGN—Dance Orchestra
8:30 p.m. EST 7:30 CST
★ NBC—American Album of Familiar Music; Frank Munn, tenor; Vivienne Segal, soprano; Bertrand Hirsch, violinist; Gus Haenschen's Orchestra: WEAF WTAM WSM WGY WSAI WAVE (sw-9.53)
★ NBC—Cornelia Otis Skinner, actress: WJZ KDKA WENR WLW WHAM (sw-11.87)
WCKY—Baseball Resume; News
WFBE—Bill Mandell
WGN—Horace Heidt's Concert
8:45 p.m. EST 7:45 CST
NBC—Kurt Brownell, tenor: WJZ WENR WCKY KDKA WHAM (sw-11.87)
WFBE—Louise Kleve
WLW—Unbroken Melodies
9:00 p.m. EST 8:00 CST
★ NBC—Sunday Evening at Seth Parker's: WJZ WCKY WHAM KDKA WSM WENR WAVE (sw 6.14-11.87)
★ NBC—Uncle Charlie's Tent Show; Lois Bennett, Conrad Thibault, Jack and Loretta Clemens, Charles Winninger; Don Vnorhees' Orch.: WEAF WLW WTAM WGY (sw-9.53)
★ CBS—Wayne King's Orch.: WABC WHAS WKRC KMOX WBHM (sw-6.12)
WFBE—Leroy Thompson
WGN—News; Sport Shots
WSAI—Dance Orchestra
9:15 p.m. EST 8:15 CST
WFBE—Dance Parade
WGN—Concert Orchestra
9:30 p.m. EST 8:30 CST
NBC—Alexander Haas' Gypsy
WBBM—Dance Orchestra
WCKY—Concert Orchestra
WFBE—Tommy Ryan
WGBF—Sports News
WWVA—Jack and Velma
WBBM—Park Board Band Concert
WCKY—Musical Revue
WFBE—The Harmony Masters
WGN—Joe Sanders' Orchestra
WSM—Francis Craig's Orchestra
10:30 p.m. EST 9:30 CST
NBC—News; Glenn Lee's Orch.: WEAF WCKY WGY WSM WSAI WAVE (sw-9.53)
NBC—Harold Stern's Orchestra: WJZ KDKA WHAM WLW (sw-6.14)
CBS—News; Johnny Hamp's Orchestra: WABC WSMK WHAS WKRC KMOX
WBBM—News; Dell Coon's Orchestra (CBS)
WENR—Leonard Keller's Orch.
WGN—Wayne King's Orchestra
WTAM—News; Land of Beginning Again
10:45 p.m. EST 9:45 CST
KMOX—Piano Recital
WENR—Herm Crone's Orchestra
WGN—Anson Weeks' Orchestra
WLW—News
11:00 p.m. EST 10:00 CST
CBS—Frankie Masters' Orchestra: WABC WHAS WKRC
WSMK KMOX WBBM
NBC—Dancing in the Twin Cities: WJZ KDKA WHAM (sw-6.14)
NBC—Dick Fidler's Orchestra: WEAF WCKY WGY WSAI WSM WTAM (sw-9.53)
WAVE—Tom Gentry's Orch.
WENR—Ben Pollack's Orchestra
WLW—Karl Burnett's Orchestra
11:15 p.m. EST 10:15 CST
WAVE—Maurice Spitalny's Orch. (NBC)
WGN—Veloz & Yolanda's Orch.
11:30 p.m. EST 10:30 CST
NBC—Leonard Keller's Orch.: WJZ KDKA WHAM WLW (sw-6.14)
CBS—Frank Dailey's Orchestra: WABC WKRC WHAS WSMK WBBM

On Short Waves

(Continued from Page 13)

Saturday, August 17, 6 p. m.—BBC Orchestra.
6:45 p. m.—England vs. South Africa, cricket.
7 p. m.—An Outline of Nonsense.

BERLIN, GERMANY; DJO (11.77), OJC (6.02)
Daily, 8:15 p. m.—News.

Sunday, August 11, 7:15 p. m.—German Industry
in the German Landscape, talk by Dr. Kurt
Matusch.

7:30 p. m.—Homeland Evening.

8:30 p. m.—Folk Music.

Monday, August 12, 6 p. m.—Die Vielgeliebte,
selections from the operetta.

7:30 p. m.—Variety Concert.

8:30 p. m.—Dance Music.

Tuesday, August 13, 5:10 p. m.—Songs of a Sum-
mer Night; Gerta Bryne Dicken, soloist.

6 p. m.—The Creation by Joseph Haydn; Werner
Richter Reichhelm, conductor.

8:30 p. m.—German Army Band.

Wednesday, August 14, 5:10 p. m.—Singing Con-
test Between Hitler Youth and German Girls' League.

6 p. m.—Melodies from Old Time Song Plays.

7 p. m.—Schleswig-Holstein, travelogue.

7:15 p. m.—Airs from German and Italian
Operas; René Luehrs, soloist.

Thursday, August 15, 5:10 p. m.—Eternal Woman.
6:15 p. m.—A Beer Garden, Then and Now.

7:15 p. m.—Forty Years in the Service of
Tropical Medicine, talk by Professor Zeimann.

8:30 p. m.—Children's Program.

9:15 p. m.—Works by Bach, Mozart and Armin
Knab, the Karl Ristenpart Chamber Or-
chestra.

Friday, August 16, 5:10 p. m.—Organ Music of
Bach and Haulel; Professor Fritz Heitmann,
organist.

6 p. m.—Symphony Concert; The Eroica by
Beethoven; Maria Ermele Lortzing, soloist.

7:30 p. m.—Old German Dances.

Saturday, August 17, 6 p. m.—Frederick the
Great and Germany, dramatization.

7:15 p. m.—Gypsy Songs by Brahms.

8:30 p. m.—Trip Through the Spreewald.

HUTZEN, HOLLAND; PHI (17.77)

Sunday, August 11, 7:15 a. m.—Violin and Piano
Concert.

7:30 a. m.—News.

8:10 a. m.—Roman Catholic Broadcasting As-
sociation.

Monday, August 12, 6:55 a. m.—PHI Club Meet-
ing.

7:30 a. m.—News.

8 a. m.—Sports Talk, H. Hollander.

Thursday, August 15, 6:40 a. m.—Residential
Orchestra of the Hague; Leo Ruygrok, con-
ducting.

7:30 a. m.—News.

8:10 a. m.—Talk by M. J. Brusse.

Friday, August 16, 6:45 a. m.—Financial Talk by
Dr. G. Wiebels.

7:05 a. m.—Residential String Ensemble; Wil-
liam de Zoret, conducting.

7:30 a. m.—News.

Saturday, August 17, 6:45 a. m.—News Talk by
L. Aletrino.

7:05 a. m.—Studio Orchestra.

7:30 a. m.—News.

8:05 a. m.—Talk for Industrial Workers in the
Netherlands India.

8:40 a. m.—Leisje van der Poll, declaration.

ROME, ITALY; ZRO (9.64)

Monday, August 12, 6 p. m.—Italy's Social Wel-
fare, talk by Giovanni Gentile.

6:30 p. m.—Opera, Impresario, by W. Mozart.
At Conclusion of Opera (Time Indefinite)—
Italian Lesson; Luisella Zink, violinist; News.

Wednesday, August 14, 6 p. m.—Talk; Replies
to Listeners.

6:30 p. m.—Chorus Conducted by Vittore
Veneziani.

7 p. m.—Italian Lesson; Tina Brioune, sopra-
no; News.

Friday, August 16, 6 p. m.—The Encyclopedia
Treccani and the American Collaboration,
talk by Giovanni Gentile.

6:30 p. m.—Opera, Fanfulla, by Attilio Parelli.
At Conclusion of Opera (Time Indefinite)—
Italian Lesson; Folk Songs; News.

On Short Waves

By Charles A. Morrison

(EST and CST Shown. Figures in Parentheses Denote Megacycles.)

RADIO MAROC, Rabat, Morocco, in North Africa (12.825 and 8.04) always has been one of the lesser known short-wave stations, and persons holding verifications from this station can consider themselves very lucky. Not long ago Radio Maroc increased its power to 25,000 watts, which should make it much more audible in North America. Rabat programs are given in Arabic, French, and English. Radio Maroc broadcasts on Sundays only from 7:30 to 9 a.m. EST (6.30-8 CST) on 12.825 megs and from 3 to 3:30 p.m. EST (2-4-30 CST) on 8.04 megs. E D Purkey of Inglewood, California, has recently received a verification from Rabat, and says reports should be addressed to the Director General, Telephone, Telegraph, Rabat, Morocco, North Africa.

Frank J. Andrews, DX commentator of station KFI, reports that ZTJ, Johannesburg, South Africa (6.09), has a new schedule of 3-4 a.m. EST (2-4 CST) and 7-9 a.m. EST (6-8 CST). As ZTJ is still in the experimental stage it may be heard working at other times. The power is 5,000 watts. Mr. Andrews also states that PLE, Bandung, Java (9.4), is heard relaying programs to Tokyo from 1:30 a.m. until 1 a.m. EST (12.30-3 CST) irregularly. PLE is on 18.82 megs.

Remote and fierce Afghanistan is following the lead of her more modern neighbors, and plans to install several wireless stations in the important centers of the country. The Kabul station will be fitted with a voice transmitter for communication with Moscow, Tokio, Shanghai and New York. By using directional antennas communications with Rio de Janeiro, Cape Town, and Melbourne also will be established. The equipment will be of the very latest type manufactured by the British Marconi Company.

The Daventry transmission over GSF (15.14) from 4:15 to 5:45 p.m. EST (3:15-4:15 CST) is being exceptionally well received at present. At times this transmission is even more enjoyable than the GSD transmission from 6 to 8 p.m. EST (5-7 CST).

Station RTZ, believed to be in Irkutsk (Siberia) U.S.S.R., may be testing on 14.79 megs around 10:30 p.m. EST (9:30 CST) according to H. S. Bradley of Hamilton, New York.

The new General Electric all-wave receivers, in addition to utilizing the novel metal tubes which recently were developed in the House of Magic, will also feature a simple but radically different type of dial resembling in action and accuracy a slide rule!

COMMERCIAL STATIONS—PART VIII

ITALY					
Celtano	4.355	RCQ	5.623	IRY	16.12
"	6.65	Remo	"	IRZ	18.63
"	8.35	IRF	9.83	IHO	3.75
"	8.515	IRJ	13.105	"	5.55
"	12.295	IRL	19.656	"	5.66
"	12.385	IRK	20.43	"	5.725
"	17.659	IRM	9.83	"	6.05
"	17.75	IRS	9.566	"	6.085
Flumicino	IRB	13.26	"	"	6.16
IAP	5.415	HCT	6.624	"	6.58
"	29.617	IRU	9.83	"	6.605
Golfo Aranci	IRV	7.51	"	"	6.635
IAC	30.604	IRW	19.52	"	5.78
			"	"	11.81
S. S. Electra (Mareen's private yacht)					
IBDK and IHOX					11.47

Advance Programs

(Time Shown Is EST; for CST Subtract One Hour)

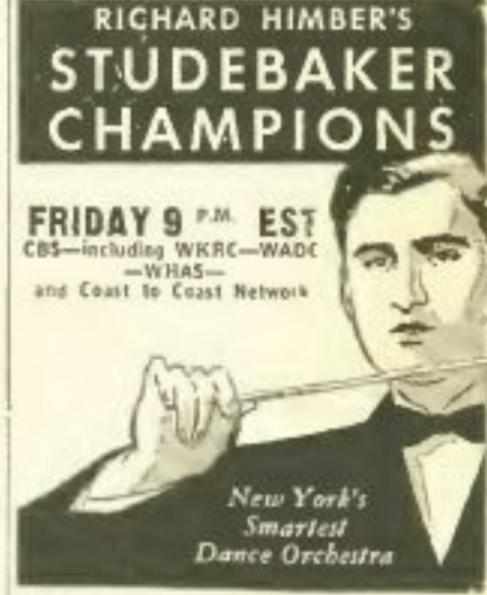
SPECIAL EVENTS

Sunday, August 18, 5:10 p.m. DJD (11.77). Berlin—The Frog King, Grimm Brothers' tale.

6:30 p.m.—EAQ (9.87), Madrid—Talk by Lopez Marin.
10 p.m., GSC (9.58), GSD (11.75), London—Gossip hour.
Monday, August 19, 2 p.m., GSB (9.51), GSD (11.75), GSI (15.26), London—Kunst at Olympia.
6 p.m., DJD (11.77), Berlin—Selections from opera "Königskinder," by Humperdinck. Werner Richter, Metzler, conductor.
6 p.m., ZRD (9.64), Rome—Opera Edwar, by Puccini; Ugo Tassan, conductor.
Tuesday, August 20, 9:05 a.m.—PSJ (15.22), Eindhoven, Holland—Special talk for listeners in industrial enterprises in the Netherlands.
2 p.m., GSB (9.51), GSD (11.75), London—Pavarotti concert.
4 p.m., GSB (9.51), GSF (15.14), London—In the shadow of the Taj Mahal.
9:15 p.m., DJD (11.77), Berlin—Berlin Philharmonic orchestra.
Wednesday, August 21, 2 p.m., GSB (9.51), GSD (11.75), London—Brahms' night at the piano.
6 p.m., DJD (11.77), Berlin—special program for the Western World Wave club.
10 p.m., GSD (11.75), GSC (9.58), GSI (15.21), London—Crossing the coast range of British Columbia.
Thursday, August 22, 6 a.m., GSC (11.75), London—Nostalgic tones of the Empire.
9 a.m., GSF (15.14), GSD (11.75), London—Street entertainers of London.
2 p.m., GSB (9.51), GSD (11.75), London—Pavarotti concert.
5:45 p.m., EAQ (9.87), Madrid—Radio Union program.

(Continued on Page 25)

**RICHARD HIMBER'S
STUDEBAKER
CHAMPIONS**



FRIDAY 9 P.M. EST
CBS—including WKRC—WAADC
—WHAS—
and Coast to Coast Network

New York's
Smartest
Dance Orchestra

RADIO GUIDE
Presents
The Century Players
in
Calling All Cars
(A Radio Thriller)

SATURDAY, 8:30 to 9:00 p.m., EST
7:30 to 8:00 CST
WFBE



\$1900 Railway Postal Clerks

First Year
regular
MEN
18 to 35
Mail
Coupon
Today

FRANKLIN INSTITUTE
Dept. B102, Rochester, N.Y.

Write Dept. B102, enclosing

(1) \$1.00 post card describing

many U. S. Government jobs.

(2) Send list of Government jobs

for men-women. (3) send sample

mailing lists.

Name
Address

On Short Waves

(Continued from Page 23)

8:30 p. m., DJD (11.77), Berlin—From Microphone to Aerial, description of German radio stations.

Friday, August 23, 2:40 p. m., GSB (9.51), GSD (11.75), London—The Silver Spoon, musical comedy.

6:30 p. m., GSD (11.75), GSC (9.58), GSB (9.51), GSA (6.05), London—Grand Prix motorcycle race.

Saturday, August 24, 8:45 a. m., PHI (17.77), Eindhoven, Holland—Behind the scenes of a circus.

10:15 a. m., GSF (15.14), GSD (11.75), London—Grand Prix motorcycle race.

3 p. m., GSB (9.51), GSD (11.75), London—Saturday night at Radolympia.

10:15 p. m., GSD (11.75), GSC (9.58), GSL (6.11), London—Street entertainers of London.

LONDON, ENGLAND, GSD (11.75), GSC (9.58)

Daily, 7:45 p. m.—News.

Sunday, August 18, 5 p. m.—BBC orchestra.

6:45 p. m.—The Gartlens, talk by Eric Parker.

Monday, August 19, 6 p. m.—Finnegan Again, comedy with Gordon Harker.

6:45 p. m.—Eric Fort, soloist.

Tuesday, August 20, 6:15 p. m.—BBC orchestra.

7:15 p. m.—Foreign affairs talk.

7:30 p. m.—Household Goods.

Wednesday, August 21, 6 p. m.—Superstition play.

6:30 p. m.—Violin recital.

7:05 p. m.—Sydney Kyte's orchestra.

Thursday, August 22, 6 p. m.—BBC orchestra.

7 p. m.—Concert party.

Friday, August 23, 6:20 p. m.—Crossing the coast range of British Columbia.

6:35 p. m.—Harold Ramsey, organist.

7:10 p. m.—New Georgian trio.

Saturday, August 24, 6:30 p. m.—Grand Prix motorcycle race.

7 p. m.—Central band of His Majesty's Royal Air Force.

BERLIN, GERMANY, DJC (11.77)

Daily, 8:15 p. m.—News in English.

Sunday, August 18, 5:10 p. m.—The Frog King, Grimm fairy tale.

7:15 p. m.—Anna Knab, soloist.

7:30 p. m.—Light entertainment.

9:15 p. m.—Variety concert.

Monday, August 19, 6 p. m.—Selections from opera, Koenigskinder, by Humperdinck, Werner Richter Reichhelm, conductor.

7:15 p. m.—Jorinde und Joringel, fairy tale by Grimm.

8:30 p. m.—Happy crafts.

Tuesday, August 20, 5:10 p. m.—Recital by the Elisabeth Kuypers women's choir.

6 p. m.—Grand concert of light music.

7:15 p. m.—The New German Policy in Art, talk by Dr. Richard Eis and Gunther Mann.

7:30 p. m.—Contemporaries, musical causerie by Gertrude Runge.

8:30 p. m.—Organ recital.

9:15 p. m.—Berlin Philharmonic orchestra.

Wednesday, August 21, 6 p. m.—Special program for Western World Wave club.

7:15 p. m.—Trip to the Homeland talk.

7:30 p. m.—Clarinet quintet.

Thursday, August 22, 5:10 p. m.—A Marriage Diary.

6:30 p. m.—Paul Nipkow, 75 years old.

6:45 p. m.—German music for the home circle.

8:30 p. m.—From Marimophone to Aerial, trip through Radio House at Berlin.

Friday, August 23, 5:10 p. m.—Little Wreath of Reses, play.

6 p. m.—Symphony concert.

7 p. m.—Sagas by Wilhelm Schaefer.

9:15 p. m.—Light music.

Saturday, August 24, 7:30 p. m.—Nightmare, scenes.

8 p. m.—Danse music.

ROME, ITALY, ZRO (9.64), 6 P. M.

Monday, August 19—New York—Rome and Return, talk by Beniamino de Ritis, journalist; Opera, Edgar, by Giacomo Puccini; Angela Rositani, soprano.

Wednesday, August 21—Program dedicated to International Federation of Professional Women; Concert from Basilica di Massenzio; Franca Dardoni, soprano.

Friday, August 23—Talk by an American visiting Rome; Opera, *Misteri Gaudiosi*; Talk in Italian dedicated to the Italians in the United States.

EINDHOVEN, HOLLAND, PHI (17.77)

Sunday, August 18, 6:40 a. m.—Y.M.C.A. talk.

6:55 a. m.—Philips Harmony concert.

7:30 a. m.—News.

8:10 a. m.—Roman Catholic Broadcasting Association.

Monday, August 19, 6:30 a. m.—Concert.

6:55 a. m.—Meeting of F.H.I. club.

7:20 a. m.—Louis Zimmerman, violinist.

7:30 a. m.—News.

7:50 a. m.—Sports talk.

Thursday, August 22, 6:40 a. m.—Piano solo.

7:10 a. m.—Eric Dinkker.

7:30 a. m.—News.

Friday, August 23, 6:45 a. m.—Talk by Dr. R. Hornstra.

7:10 a. m.—Mr. and Mrs. Speenhoef, songs.

7:30 a. m.—News.

Saturday, August 24, 7:35 a. m.—News.

7:50 a. m.—Talk on moving pictures, L. Jordan.

8:45 a. m.—Behind the scenes of a circus, G. de Jesselin de Jong.

9 a. m.—George Pickard's orchestra.

WINNIPEG, MANITOBA, CANADA, CJRO (6.15), CJRX (11.72)

Sunday, August 18, 8 p. m.—Radio theater Guild, musical dramatizations.

Monday, August 19, 9 p. m.—Bahillage Caprice, variety programs.

Tuesday, August 20, 9:30 p. m.—This Is Paris.

Thursday, August 22, 9:30 p. m.—Nova Scotia on the Air.

Friday, August 23, 9:30 p. m.—Sinfonietta, string ensemble.

CARACAS, VENEZUELA, YV2RC (6.11)

Sunday, August 18, 8:30 p. m.—Band concert from Plaza Bolivar.

Monday, August 19, 7:30 p. m.—Haul Isquierdo, songs.

Tuesday, August 20, 8 p. m.—Rodrigo Lopez, songs.

Friday, August 23, 7:45 p. m.—Cupertino, comedy.

Saturday, August 24, 8 p. m.—Picatoste Cerecerda, baritone.

Saturday — Continued

WAVE—Bert Keeney

WCKY—Front Page Drama

★ WFBE—RADIO GUIDE PRESENTS The Century Players in "Calling All Cars"

WGN—Wayne King's Orchestra

WSAI—Mutually Yours

WSM—Jack and His Buddies

8:45 p.m. EST 7:45 CST

WAVE—Evening Screen

WCKY—Vincent York's Orch.

WSAI—Delnoire Brothers

9:00 p.m. EST 8:00 CST

KDKA—Sports, Ed Sprague

WCKY—News

WFBE—Jimmy Ward

WGN—Horace Heidt's Orchestra

WLS—Barn Dance Varieties

WSAI—Dance Orchestra

WSM—DeFord Bailey, Curt

Poulton

WWVA—Warren's Pennsylvania

10:15 p.m. EST 9:15 CST

KDKA—Behind the Law

WCKY—Jolly Colburn's Orchestra

NBC—Chas. Bernberger's Orch.; WIZ, KDKA, WCKY, WHAM (new 6.14)

CB—Dell Coon's Orchestra; WABC, WKRC, WSMK, WBBM, WHAS, KMOM

MBS—Horace Heidt's Orchestra; WGN, WSAI, WLW

WAVE—Don Peete's Orchestra

WSM—Robert Lunn, Binkley Brothers

11:45 p.m. EST 10:45 CST

MBS—Joe Sanders' Orch.; WGS

On Short Waves

THE Canadian government is making provisions to rebroadcast daily the best short-wave offerings of Daventry, England. These broadcasts will be relayed over the entire Canadian Radio Commission network of stations, including CJRO, Winnipeg (6.14), and CJRX, Winnipeg (11.72), popular short-wave stations regularly received in the United States.

These rebroadcasts will be picked up at a sensitive receiving station near Ottawa. This service will give American short-

wave listeners a chance to hear their favorite London programs via Canada when unfavorable weather conditions render them of poor value direct from England.

In response to RADIO GUIDE's offer to send an up-to-date short-wave log and information on short-wave stations in the form of the *Globe Circular*, to any reader sending in a 3c stamp, the demand has been so enormous that the *International Dx'ers Alliance* has announced the supply is temporarily exhausted but that all un-

filled requests so far received will be mailed a revised booklet on September 1. No new requests will be honored.

Advance Programs

(EST Shown; for CST; Subtract One Hour)

Megacycles, or thousands of kilocycles, shown.		
GSB (London)	9.51	2RO (Rome) 9.64
GSF (London)	15.14	PHI (Huizen, Holland) 17.77
GSC (London)	9.58	PCJ (Huizen, Holland) 15.22
GSG (London)	17.79	CJRO (Winnipeg, Canada) 6.14
GSD (London)	11.75	CJRX (Winnipeg, Canada) 11.72
GS1 (London)	15.26	YV2RC (Caracas, Venezuela) 6.11
GSE (London)	11.86	
GSL (London)	6.11	
DJD (Berlin)	11.77	
DJC (Berlin)	6.02	
2RO (Rome)	11.81	

News, daily, 8:45 p. m.—Daventry.
9:15 p. m.—Zeesen (in English).

SUNDAY, AUGUST 25

6:40 a. m.—Broadcast for listeners in Province of Groningen (PCJ).
5:10 p. m.—Children's hour (DJD).
6 p. m.—BBC Empire orchestra (GSD, GSC).
7 p. m.—Baptist service (GSD, GSC).
7:15 p. m.—Author's hour (DJD).
7:30 p. m.—Berlin women's chamber orchestra (DJD).
8 p. m.—Radio Theater Guild (CJRO, CJRX).
8:30 p. m.—Heinrich Schultz choir of Berlin (DJD).
9:15 p. m.—Entertainment program (DJD).
10:30 p. m.—*The God on Sticks, story (GSD, GSC).
10:30 p. m.—Atlantic Nocturne (CJRO, CJRX).
10:45 p. m.—Weekly newsletter.

MONDAY, AUGUST 26

7 a. m.—Grimshy citadel band (PIII).
5:10 p. m.—Cello and piano (DJD).
6 p. m.—The Nuremberg Doll, play (DJD).
6 p. m.—Mixed Pickles, comedy (GSD, GSC).
6:05 p. m.—Verdi and Modern Music, talk by Bruno Barelli (2RO).
6:15 p. m.—Turin opera, Miracolo (2RO).

Short Wave Numerals

RADIO GUIDE now carries the advance programs of principal American short-wave stations. Those now listed include W2XAD and W2XAF, both of the General Electric Company, in Schenectady, N. Y.; W2XE, of the Columbia Broadcasting System, New York, N. Y., and W8XK, the Westinghouse Elec. & Mfg. Co., East Pittsburgh, Penn. The method of listing is this: Immediately following the listing of a program which is carried by W2XAD will be found "sw-15.33" in parentheses. This indicates that the program may be heard on short waves on the frequency of 15.33 megacycles (15,330 kilocycles) which is the channel of W2XAD.

Similarly, the figure 9.53, representing 9.53 megacycles, signifies programs emanating from W2XAF on that frequency. W2XE is indicated by either 15.27, 11.83 or 6.12, and W8XK by 21.54, 15.21, 11.87 or 6.14.

Listeners remote from large stations will find reception on the short-wave channel often better than on the regular broadcast waves. Of course, you need a short-wave set.

6:45 p. m.—Namesake Towns of the Empire, talk (GSD, GSC).
7 p. m.—Chamber music (GSD, GSC).
7:10 p. m.—Deoardo Faticanti, baritone (2RO).
7:15 p. m.—East Prussian Spasskes (DJD).
8:30 p. m.—Light music DJD).
9 p. m.—Babillage Caprice (CJRO, CJRX).
9:15 p. m.—Variety hour (DJD, DJC).
10 p. m.—BBC Empire orchestra (GSD, GSC).
10:45 p. m.—News (GSD, GSC).

TUESDAY, AUGUST 27

5:10 p. m.—Women's hour (DJD).
6 p. m.—Symphony concert (DJD).
6:30 p. m.—Common or Garden, talk (GSD, GSC).
7 p. m.—God on Sticks, story (GSD, GSC).
7:30 p. m.—Stepchildren of the Musical Muse (DJD).

(Continued on Page 23)

Sunday — Continued

★ NBC—Major Bowes' Amateur Hour: WEAF WTAM W1.W WSM WAVE WGY (sw-9.53)

WTBE—Modern String Duo

WGN—Dance Orchestra

WSAI—Blackshaw & Blackshaw, vocal and piano duo

WWVA—News

7:15 p.m. EST 6:15 CST
MBS—Veloz & Yolanda's Orch.: WGN WSM

WFBE—To be announced

WGBF—Sports News

WWVA—Jack and Velma

7:30 p.m. EST 6:30 CST
★ CBS—Musical Headliners: James Melton, tenor; Revelers Quartet; Hallie Stiles, soprano; Pickens Sisters; Frank Tours' Orch.; WABC WKRC WHAS

WWVA WSMK (sw-6.12)

MBS—Band Box Revue: WGN WSAI

KMOX—The Courier

WBBM—News; Seymour Simons' Orchestra (CBS)

WFBE—Harry Hartman's Sport Review

WGBF—Wood's German Band

7:45 p.m. EST 6:45 CST
NBC—Hendrik Willem Van Loon, author, WJZ WCKY WLS

★ NBC—Cornelia Otis Skinner, actress: WJZ KDKA WENR WHAM WLW (sw-11.87)

WCKY—Baseball Resumes; News

WFBE—Bill Mandell

WGN—Horace Heidt's Concert

8:45 p.m. EST 7:45 CST
NBC—Kurt Brownell, tenor; WJZ WENR WCKY KDKA WHAM (sw-11.87)

Passing By Mary of Allendale

Purcell Arr. Wilson

Vesti La Guibba Leoneavallo Even Song Scott You Dear and I Clarke

WFBE—Louise Kleve

WLW—Unbroken Melodies

9:00 p.m. EST 8:00 CST
★ NBC—Sunday Evening at Seth Parker's: WJZ WCKY WHAM KDKA WSM WAVE (sw-11.87-6.14)

★ NBC—Uncle Charlie's Tent Show; Lois Bennett, Conrad Thibault, Jack and Loretta Clemens, Charles Winninger; Don Voorhees' Orch.: WEAF WLW WTAM WGY (sw-9.53)

★ CBS—Wayne King's Orch.: WABC WHAM WKRC KMOX

WBBM—Salon Moderne (CBS) WFBE—Musical Selections WGN—Joe Sanders' Orchestra WWL—Dance Orchestra

10:30 p.m. EST 9:30 CST
NBC—News; Glenn Lee's Orch.: WEAF WCKY WGY WSM WAVE (sw-9.53)

NBC—Eddie South's Orchestra: WJZ KDKA WHAM WLW (sw-6.14)

CBN—News; Johnny Hamp's Orchestra: WABC WSMK WHAS WKRC KMOX

WBBM—News; Dell Coon's Orchestra (CBS)

WENR—Leonard Keller's Orch.

WGN—Wayne King's Orchestra

WTAM—News; Land of Beginning Again

10:45 p.m. EST 9:45 CST

KMOX—Piano Recital

WENR—Herm Crane's Orchestra

WLW—News

11:00 p.m. EST 10:00 CST
CBS—Frankie Masters' Orchestra: WABC WHAS WKRC WSMK KMOX WBBM

NBC—Barney Rapp's Orchestra: WJZ KDKA WHAM (sw-6.14)

NBC—Dick Fidler's Orchestra: WEAF WCKY WGY WSAI

Comina

On Short Waves

(Continued from Page 13)

- 8:30 p. m.—Entertainment program (DJD).
10 p. m.—"Namesake Towns of the Empire," talk (GSD, GSC).
10 p. m.—"Noises Off," musical entertainment (GSD, GSC).

WEDNESDAY, AUGUST 28

- 6 p. m.—March music (DJD).
6 p. m.—The Lavender Follies concert party (GSD, GSC).
6:05 p. m.—Renovation of the Italian Language, Alfredo Panzini (2RO).
6:15 p. m.—Royal Police band of Rome (2RO).
6:45 p. m.—Foreign Affairs, talk (GSD, GSC).
7 p. m.—Dance music, Casani's orchestra (GSD, GSC).
7:10 p. m.—Piano concert by Carlo Zecchi (2RO).
7:30 p. m.—Homeland evening (DJD).
7:30 p. m.—"This Tomatoes," comic tales (VV2RC).
8:30 p. m.—Happy half hour (DJD).
10:30 p. m.—Letter box (DJD, DJC).
10:45 p. m.—News (GSD, GSC).

THURSDAY, AUGUST 29

- 8:05 a. m.—Visit to Old Amsterdam (PHI).
5:10 p. m.—Women's hour (DJD).
6 p. m.—Musical program (DJD).
6 p. m.—BBC Empire orchestra (GSD, GSC).
6:15 p. m.—Variety program, Like Father, Like Son (DJD).
6:15 p. m.—Harold Ramsay, organist (GSD, GSC).
7:30 p. m.—Madrigals and folk tunes by Hasler, Levherr, Orlando (DJD).
9 p. m.—Julio de Soto, tenor (VV2RC).
9:15 p. m.—Concert (DJD).
10 p. m.—"Mixed Pickles" (GSD, GSC).
10:45 p. m.—News (GSD, GSC).

FRIDAY, AUGUST 30

- 6:30 a. m.—Financial, economical talk by Dr. G. H. A. Wiebels (PHI).
5:10 p. m.—Public Gardens at Schonholz (DJD).
6 p. m.—Songs by Mozart and Beethoven (DJD).
6 p. m.—BBC Empire orchestra (GSD, GSC).
6:05 p. m.—Eleonora Duse, talk by Renato Simoni (21CO).
6:15 p. m.—Turin opera, Andrea Chesi (2RO).
6:15 p. m.—Der Prinz von Homburg, by Heinrich von Kleist (DJD).
7 p. m.—"The Pebbles on the Beach" (GSD, GSC).
7:10 p. m.—Giovanni Barberini, Neapolitan tenor (21CO).
8:30 p. m.—The Organ Man Is Here (DJD).
9:15 p. m.—An evening in the homeland (DJD, DJC).
9:30 p. m.—Sinfonietta, string ensemble (CJRC, CJRX).
10 p. m.—"Climbing in the Lake District," talk (GSD, GSC).
10:15 p. m.—Popular ballads.
10:45 p. m.—News (GSD, GSC).

SATURDAY, AUGUST 31

- 6:40 a. m.—Carillon concert with orchestra accompaniment (PHI).
7:45 a. m.—Amsterdam Police orchestra (PHI).
6 p. m.—Variety evening (DJD).
6:45 p. m.—"Modern Science and Empire Farming," talk (GSD, GSC).
7 p. m.—Grenada Serenaders (GSD, GSC).
7:15 p. m.—What Our Animals Tell One Another, by E. Wyda (DJD).
7:30 p. m.—A Merry Tale by Heinz Stegweit (DJD).
8:30 p. m.—Club of Nations (DJD, DJC).
10 p. m.—"Superstitions," play (GSD, GSC).
10:30 p. m.—"The God on Sticks," reading (GSD, GSC).
10:45 p. m.—News (GSD, GSC).

On Short Waves

(EST and CST Shown. Figures in parentheses denote megacycles.)

THE increase in power for YV2RC, Caracas, Venezuela (6.11), has placed this station in the front ranks of Latin broadcasters. It may be heard nightly with exceptionally high class programs up to 9:30 p. m. EST (8:30 CST).

YV2RC comes in just a trifle lower in frequency than W2XE, Wayne, New Jersey. Sr. Edgar J. Anzola, director of the station, in writing states that YV2RC now is reaching foreign countries with great signal strength, and reports are pouring

in from all parts of the world with increasing volume each day.

Donald Teague of Santa Paula, California, says that the station is tremendously loud out there, and that he has to listen for the Spanish talking to be sure it is YV2RC, and not W2XE or W3XAL.

CEC, Santiago, Chile (10.67), was very good on its Sunday night broadcast, August 18, from 8:30-9 p. m. EST (7:30-8 CST).

Sunday — Continued

7:00 p.m. EST 6:00 CST
★ NBC—String Symphony; Frank Black, conductor; Josef Stokowski, violinist: WJZ KDKA WENR WHAM WLW (sw-11.87)

WJAM KDKA WCKY (sw-11.87)
Allegro, Opus 26 Beethoven
Scenes from the Scottish Highlands G. Rustal

★ NBC—Walter Winchell, columnist: WJZ KDKA WENR WCKY—Baseball Resume; News WFBE—Bill Mandell
WGN—Horace Heidt's Concert

8:45 p.m. EST 7:45 CST
★ NBC—Niela Goodelle, songs:

WGN—Joe Sanders' Orchestra WHAM—County Medical Talk WTAM—Great Moments of Golf WWL—Dance Orchestra
10:30 p.m. EST 9:30 CST
NBC—News; Glenn Lee's Orch.: WEAF WCKY WGY WSM WSAI WAVE (sw-9.53)

By Chas. A. Morrison

(EST Shown; for CST Subtract One Hour)
DAILY

News; Daventry: 3 a. m. (GSD, GSB); 8 a. m. (GSG, GSJ); 11:30 a. m. (GSG, GSF); 5 p. m. (GSF, GSB); 7:45 p. m. (GSD, GSC); 10:45 p. m. (GSD, GSC); Zeesen, 8:15 p. m. (DJG); Pontoise, 7 p. m. (11.72).

SUNDAY, SEPTEMBER 8

4:30-8:30 a. m.—Sunday programs (VK2ME).
6:45 a. m.—Helene Pisuisse and Walter Matthies, vocalists (PCJ).
9:10 a. m.—Talk for West Indies (PCJ).
5:10 p. m.—Children's hour, The Blue Light, a fairy tale (DJG).
6 p. m.—Australian music by Australian artists (GSD, GSC).
6:30 p. m.—Dance music (YV2RC).
7 p. m.—Bells and Empire service from St. Paul's Cathedral (GSD, GSC).
7:30 p. m.—An Hour at Home in Schwaben (DJG).
8-10:30 p. m.—Band concert direct from the Plaza Bolivar in Caracas (YV2RC).
9:15 p. m.—Military music (DJG, DJC).
10 p. m.—Dissertation on cats (GSD, GSC).
10:30 p. m.—Taxi-Fare, Taxi-Cab program (GSD, GSC).

• (Continued on Page 21)

Short Waves

(Continued from Page 13)

MONDAY, SEPTEMBER 9

- 2:30 a. m.—Higher and Higher and Higher, musical nonsense (GSB, GSD).
7:05 a. m.—Orchestral concert (PHI).
11:15 a. m.—Radio Colombo octet (GSG, GSF).
2-3 p. m.—The Air Do-Wells (GSB, GSD, GSL).
6 p. m.—Trio for flute, oboe and French horn (DJD).
6-6:30 p. m.—Holiday Time, bird's-eye view of England in Summer (GSD, GSC).
6 p. m.—Dr. Dino Garilini, talk on principles of Fascist party (210).
6:30 p. m.—Opera, Madonna Imperia (210).
6:30 p. m.—Campoli trio (GSD, GSC).
6:30-7:15 p. m.—Compositions by Richard Strauss, W. Richter Reichhelm, conductor (DJD).
7 p. m.—BBC dance orchestra (GSD, GSC).
7:30 p. m.—Humorous concert (DJD).
7:45 p. m.—Invar brothers, male duet (YV2RC).
8 p. m.—Sergio Codes' orchestra (YV2RC).
8:30-9 p. m.—Amateur's hour (YV2RC).
9 p. m.—Dance music (YV2RC).
9:15 p. m.—Raúl Izquierdo, crooner (YV2RC).
9:15 p. m.—Variety program (DJD, DJC).
9:30 p. m.—Short-wave program dedicated to American Short Wave clubs (HJ1ABE).
-

TUESDAY, SEPTEMBER 10

- 2-2:55 p. m.—Promenade concert (GSB, GSD, GSL).
5:10 p. m.—Modern music (DJD).
6 p. m.—Brass band (DJD).
6:45-7 p. m.—Pot of Destruction, Orientale play (GSD, GSC).
7 p. m.—Notes and Nauticalities, maritime medley (GSD, GSC).
7 p. m.—Typical Venezuelan music (YV2RC).
7:15 p. m.—Rosario Lozada, songs (YV2RC).
7:30 p. m.—A Winter's Journey, piano and vocal (DJD).

(Continued on Page 25)

On Short Waves

(Continued from Page 21)

- 7:30 p. m.—Instrumental solo (VV2RC).
8:30 p. m.—The Prettiest Tunes I Made for Thee! (DJD).
8:30 p. m.—Special program dedicated to American radio clubs (VV2RC).
10:15 p. m.—Honkland Tunes, orchestra (GSD, GSC).

WEDNESDAY, SEPTEMBER 11

- 6 a. m.—The Mail Bag (VK2EMC).
8:50-9:30 a. m.—St. Leger race (GSD, GSC).
2:25-3:15 p. m.—Promenade concert (GSD, GSC, GSCL).
5:45 p. m.—Program dedicated to Albeniz and Barbero (EAQ).
6 p. m.—An Evening with Millacker, Victor Northern, tenor (DJD).
6 p. m.—Royal Navy band (ZB0).
6 p. m.—Canadian artists (GSD, GSC).
6:30 p. m.—Commentary on St. Leger race, running (GSD, GSC).
7 p. m.—Sydney Kyte's orchestra (GSD, GSC).
7:30 p. m.—Rosario Lozada, songs (VV2RC).
8:30 p. m.—The Economic Position of Germany, talk (JAH).
8:30 p. m.—Operatic arias, Hilda Jagerberg de Pinto and Jose Picado (VV2RC).
8:45 p. m.—Johann Sebastian Bach (DJD).
9 p. m.—Dance music (VV2RC).
9:45 p. m.—Aruldo Soares, songs (VV2RC).
10:30 p. m.—Letter box (DJD, DJC).

THURSDAY, SEPTEMBER 12

- 7:25 a. m.—Louise C. H. de Bruin, violin (PHD).
11:15 a. m.—Trois and his Mandolins (GSD, GSC).
2:30 p. m.—Promenade concert (GSD, GSC, GSCL).
6 p. m.—Germany, Land of Forests, dialogue (DJD).
6 p. m.—The Leslie Bruderwader quintet (GSD, GSC).
7 p. m.—French Affairs, talk (GSD, GSC).
7:30 p. m.—Dramatization of death of Gen. James Wolfe at Quebec, with old French folk-songs (EAQ).
7:45 p. m.—National quartet (VV2RC).
7:30 p. m.—Hawaiian music (VV2RC).
7:30-8:15 p. m.—Let's—Engle Brook Dance, play (DJD).
7:45 p. m.—Julio de Soto, piano (VV2RC).
8:30 p. m.—Light music (DJD).
8:30 p. m.—Trio (VV2RC).
8:45 p. m.—Remembrances (VV2RC).
9:30 p. m.—Band concert (VV2RC).
9:20 p. m.—Equatorial music (PHABO).

FRIDAY, SEPTEMBER 13

- 1:15 a. m.—Musical Tour of Europe; Jack Mitchell's orchestra (GSD, GSC).
5:45 a. m.—Two-way talk between W2XAF (9.55), Schenectady, N. Y., and VK2ME (9.59), Sydney, Australia.
6:40 a. m.—Calabret program in different languages (PHD).
8:10 a. m.—Uruguayans cocktail (PHD).
2:245 p. m.—Promenade concert (GSD, GSC, GSCL).
3:10-4 p. m.—Who Remembers (GSD, GSC, GSCL).
5:45 p. m.—Program dedicated to Aragon, Navarre and Valencia (EAQ).
6 p. m.—Opera, La Manzana (ZB0).
6:15 p. m.—Symphony concert; Werner Richter-Hochheim, conductor (DJD).
6 p. m.—Harry Gordon and Company (GSD, GSCL).
7:15 p. m.—A Tale of Old Quebec (GSD, GSC).
7:30 p. m.—Let's All Have a Good Time Together, evening in the Hawaiian Alps; yodeller, gavial band and quartet (DJD).
7:30 p. m.—Maria del Leon, violin (VV2RC).
7:45 p. m.—Popular music (VV2RC).
8 p. m.—The Happy Bunch (VV2RC).
9:15 p. m.—Light music (DJD, DJC).

SATURDAY, SEPTEMBER 14

- 1:45 a. m.—Percy Van Thiel playing his own compositions (GSD, GSC).
6:40 a. m.—Orchestra concert (PHD).
7:30 a. m.—Debutante by Hesiaette Dominiuk (PHD).
9:30 a. m.—The J. H. Squire Celeste octet (GSD, GSC).
10:30 a. m.—Mantovani and his轻 orchestra (GSD, GSC).
1 p. m.—Program dedicated to Canary Islands, Spanish Guita (EAQ).
6 p. m.—Variety program (DJD).
6 p. m.—Of Shoes and Ships and Sealing Wax, music and nonsense (GSD, GSC).
7 p. m.—Typical Venezuelan music (VV2RC).
7:15 p. m.—Remote corners, Papus, talk (GSD, GSCL).
7:30 p. m.—Richard Addinsell, British composer (GSD, GSC).
8 p. m.—Rafael Ramirez, tenor singer, and the Blues Boys (VV2RC).
8:30 p. m.—Dance music (DJD).
8:30 p. m.—Rosario Lozada and Jesus Párra, guitars (VV2RC).
9:15 p. m.—Dance music (DJD, DJC).

On Short Waves

(EST and CST Shown; Figures in
Parentheses Denote Megacycles.)

By Chas. A. Morrison

NO DOUBT many of our readers heard the first short wave broadcast from Iceland to the United States as relayed over NBC Sunday afternoon, September 1, but I wonder how many of you had the great thrill of finding the Icelandic short wave station from which the broadcast was emanating. After many months of anticipation the *Radio Guide Listening Post* tuned in TFK, Reykjavik, Iceland. It was 11-K without a shadow of a doubt. TFK was using its 12.23 megacycle channel, and at exactly

2:45 p. m. EST (1:15 CST), preceding the re-broadcast, came on the air and said "Hello, Berlin, this is Iceland calling."

After contacting Germany the conversation was carried on in German. The broadcast from Iceland was beamed on D1Q, Germany (10.29), from which point it was picked up for re-broadcast to the United States. The signals from Iceland were held throughout the entire broadcast until they left the air at 3:40 p. m. EST

(2:40 CST). The intelligibility was fair. So be on the look-out for TFK, the Voice of Iceland, (12.23 megs. D1B, Zeesen, Germany (15.20), also carried the Iceland broadcast, and immediately afterwards relayed a program to America from Germany.

Advance Programs

KEY TD FREQUENCIES

Megacycles, or thousands of kilocycles, shown.	
2RD (Rome)	9.64
CDM (Havana)	9.42
Cuba)	6.02
DJC (Zeesen)	11.77
EAO (Madrid)	9.87
FYA (Paris)	11.71
GSD (Daventry)	9.51
GSD (Daventry)	9.58
GSD (Daventry)	11.75
GSE (Daventry)	11.86
GSF (Daventry)	15.14
GSG (Daventry)	17.79
GSI (Daventry)	15.26
GSJ (Daventry)	21.53
GSL (Daventry)	6.11
HBL (Geneva)	9.65
HC2RL (Guayaquil,	India)
Ecuador)	6.66
VK2ME (Sydney,	Australia)
VK3LR (Melbourne,	Australia)
VK3ME (Melbourne,	Australia)
VUB (Bombay,	India)
VUC (Bombay,	India)
VY2RC (Caracas,	Venezuela)
VY2RC (Caracas,	Venezuela)

(EST Shown; for CST Subtract One Hour)

NEWS BROADCAST

Daily—2 a. m., GSD, GSB; 5 a. m., GSG, GSI;
11:30 a. m., GSG, GSF; 5 p. m., GSF, GSB;
7:45 p. m., GSD, GSC; 10:45 p. m., GSD, GSC;
9:15 p. m., GJD; 10:50 p. m., VUC;
Sunday, 7:45 a. m., PCA.
Monday, Wednesday, Friday—11:15 a. m., VUB;
8 p. m., ZBD.
Tuesday, Thursday, Saturday—10:45 a. m., VUB;
Monday, Thursday, Friday, Saturday—7:45 a. m., PRI.

SUNDAY, SEPTEMBER 15

7:15 a. m.—Eduardo Henra, soloist (PRI).
4:30-8:30 a. m.—Sunday programs (VK2ME).
8:10 a. m.—Roman Catholic Broadcasting Association (PCA).
11:30 a. m.—Medvedev's balalaika orchestra (GSE, GSG).
2:45-5:30 p. m.—Horace voice (VY2RC).
5:10 p. m.—Children's hour; Mr. Trummel and Mrs. Plummett (GJD).
5 p. m.—New English string quartet (GSA, GSC, GSD, GSA).
6:30 p. m.—Hallight review (EAQ).
6:30 p. m.—Horace music (VY2RC).
7 p. m.—Roman Catholic service (GSD, GSC).
7:45 p. m.—Weekly news letter (GSD, GSC).
8:10-10 p. m.—Band concert from Plaza Bolivar, Caracas (VY2RC).
8:30 p. m.—Franz Schubert, violin and piano (DJD).

MONDAY, SEPTEMBER 16

7:15 a. m.—Folk music (PRI).
3:30-10:15 a. m.—Short-wave Jollies (GSE, GSG).
1:30 p. m.—Mandolins, Dan Carlin, tenor (GSD, GSD, GSI).
2 p. m.—Songs from the Shows (GSH, GSD, GSI).
3:35-4 p. m.—Cakewalk Jollies (GSD, GSD, GSI).
5:10 p. m.—Special 1st. Serial Birthday birthday program (GMD).
6:37 p. m.—Request program (DJD).
6:05 p. m.—Talk by Cesario Di Mario, writer, on Paduanese Celebrations at Italy's genius (DJD).
6:15-7 p. m.—Opera, <i>Babylonia</i> , Donizetti, by Perseus (ZBD).
6:15 p. m.—Riverside Drive, travelogue (GSD, GSC).
7 p. m.—History of World War (VY2RC).
7:15 p. m.—Quentin Marlowe, organist (GSD, GSC).
7:20 p. m.—Hallight review (EAQ).
7:30 p. m.—Folk song, fairy tale and legend (HJD).
7:45 p. m.—Tavar brothers duet (VY2RC).
8 p. m.—Sergio Colos' orchestra (VY2RC).
8:30-9 p. m.—Antarctic hour (VY2RC).
9 p. m.—Dance music (VY2RC).
9:15 p. m.—Bird's eye view of England in September (GSD, GSC, GSI).
10:20 p. m.—Short wave program dedicated to American short wave clubs (HMHAE).

TUESDAY, SEPTEMBER 17

4:40 a. m.—Opening of the States General, assembly of the Netherlands; Speech by Her Majesty Queen Wilhelmina (PRI).
7 a. m.—Under Big Ben, talk by Ben Marshall (GSE, GSD).
7:35-3:40 p. m.—Pianoforte concert (GSD, GSD, GSI).
5:30 p. m.—Women in New Guinea, talk by Lydia Gottschalk (DJD).

(Continued on Page 15)

Sunday — Continued

WAVF—Musical Sketch Book

WBHM—Summer Scenics (CBS)

WLW—Palmer House Ensemble

WHAS—Minuetto Cava

WMAI—Dinner Hour

7:00 p. m. EST 6:00 CST

* NBC—String Symphony; Frank

Mark conductor: WJZ WLS

WHAM WCKY

Sonata No. 3 Beethoven

Sebastien Paul John

* CBS—Rhythm at Eight; Al

Gordoni's Orch.: WABC

WHAS KMON WCKY WBBM

(sw. 5.12)

* NBC—Major Bowes' Amateur

Hour: WEAF WTAM WLW

WSM WAVE (sw. 9.53)

KDKA—Concert Hour

WTNE—Mallet String Duo

WGN—Dance Orchestra

WSAI—Divano String Trio

WWVA—News

7:15 p. m. EST 6:15 CST

MBS—Velvet & Volanda's Orch.:

WGX

WFBE—The Ginger Boys

WGFB—A Christian Service

WMAI—Palmer House Ensemble

WWVA—Jack and Velma

7:30 p. m. EST 6:30 CST

* CBS—Musical Headliners;

James Melton, tenor; Revelers

Quartet; Halle Stiles, soprano;

Pirkers Sisters; Frank Turek

Orch.: WABC WKBS WHAS

WWVA WSM (sw. 6.12)

MBS—Band Box Review: WGK

WSAI

KDKA—To be announced

KMON—The Courier

WBHM—News; Seymour Simons

Orchestra (CBS)

WFBE—Harry Hartman's Sonet

Review

WGFB—Wood's German Band

7:45 p. m. EST 6:45 CST

NBC—Hendrik Willem van Loo, author: WJZ WCKY WLS

KDKA WHAM (sw. 11.87)

KMON—After Sundown

WBBM—Melodies of Yesterday

(CBS)

WEAF—Emma Seuffe, violinist

8:00 p. m. EST 7:00 CST

* NBC—Manhattan Merry-Go-

Round, featuring Famous Arts

of the American Theater;

Hazel Court, Ideas since

Jeanne Muus, impersonator

Portia Le Keenan, tenor; Men

About Town, trio; Orch.; di

rector Andy Samuels; WEAF

WTAM WGV WSAY (sw. 9.53)

NBC—Silken Strings; Charlie

Previn's Orch.; Betty Bennett

conductor: WJZ WENR WLW

KDKA WHAM (sw. 11.87)

CBS—“America’s Hour”; WABC

WHAS KMON WCKY WSMK

WBBM (sw. 6.12)

WEAF—Galaxy of Stars

WCKY—Musical Revue

WFBE—The Harmony Masters

WGN—Fiddle Riddles

WFM—Francis Craig's Orchestra

8:15 p. m. EST 7:15 CST

WFBE—To be announced

WGN—Concert Orchestra

8:30 p. m. EST 7:30 CST

* NBC—American Album of Fa-

miliar Music; Frank Muus

Tenor; Vivienne Seal, sopra-

nor; Bertrand Hirsch, violinist;

Joe Hanrahan's Orchestra;

WEAF WTAM WSM WGV

WSM WAVE (sw. 9.53)

8:45 p. m. EST 7:45 CST

CBS—“The Conclusion,” Rain-

drake Collins: WCKC

KDKA—Shambler Hour

WEAF—Walter Winchell, cul-

minant (ABC)

WEND—Civic Opera Orchestra

INBU

WFBE—Musical Selections

WGN—Joe Sanders' Orchestra

WHAM—County Medical Talk

WTAM—Great Moments of Galt

WWL—Dance Orchestra

On Short Waves

(Continued from Page 13)

- 6:7 p. m.—Musical comedy, *Wor to Him Who Lies* (DJD).
- 7 p. m.—Musical tour of Europe; Jack Mitchell's orchestra (GSD, GSC).
- 7:30 p. m.—Variety program (DJD).
- 7:30 p. m.—Instrumental solos (VV2RC).
- 7:30 p. m.—Social news, M. Rives (FYA).
- 8 p. m.—Family life (VV2RC).
- 8:30 p. m.—Special program dedicated to American radio clubs (VV2RC).
- 9 p. m.—American jazz (GUD).
- 9:20 p. m.—Tuesday night hour (HC2RL).
- 10 p. m.—A Countryman's Diary (GSD, GSC, GSL).

WEDNESDAY, SEPTEMBER 18

- 6 a. m.—The mail bag (VK3ME).
- 2:20-3:35 p. m.—Promenade concert, Brahms (GSD, GSC).
- 3:35-3:55 p. m.—Dark Below Helvellyn, nightmare story (GSD, GSD, GSL).
- 6 p. m.—Bright Spots and Dark Spots of Every Day (DJD).
- 6 p. m.—Program dedicated to International Federation of Professional and Business Women (2E01).
- 6:15 p. m.—Royal Metropolitan Police Force abroad of Rome (2E01).
- 6:45 p. m.—A Countryman's Diary, talk by A. G. Street, recording (GSD, GSC).
- 7 p. m.—Sydney Kyte's orchestra (GSD, GSC).
- 7:15 p. m.—News (2R01).
- 7:30 p. m.—German songs (DJD).
- 7:30 p. m.—Hawaiian music (VV2RC).
- 7:45 p. m.—Julio de Soto, tenor (VV2HC).
- 8:30 p. m.—Trio (VV2RC).
- 8:30 p. m.—Harvest songs and harvest dances (DJD).
- 8:45 p. m.—Remembrances (VV2RC).

THURSDAY, SEPTEMBER 19

- 6:40 a. m.—Caucusgeboren orchestra of Amsterdam (PHI).
- 8:50-10:30 a. m.—Rugby match, Coventry H. U. F. C. vs. New Zealand (GSD, GSC).
- 6:10 p. m.—Choir, Fairy Tale Children (DJD).
- 6:15 p. m.—Dance tunes of old Berlin (DJD).
- 6:45 p. m.—The month's books, talk by Eric Gillett (GSD, GSC).
- 7 p. m.—Cabbages and Kings, music and nonsense (GSD, GSC).
- 7:15 p. m.—National quartet (VV2HC).
- 7:30 p. m.—Hawaiian music (VV2RC).
- 7:45 p. m.—Julio de Soto, tenor (VV2RC).
- 8:30 p. m.—Aphrodite, melodrama for organ, flute and string quartet (DJD).
- 8:30 p. m.—Quartet (VV2RC).
- 8:45 p. m.—Remembrances (VV2RC).
- 9 p. m.—Hand concert (VV2RC).
- 9:20 p. m.—Ecuadorian music (HILAD).

FRIDAY, SEPTEMBER 20

- 8:15 a. m.—Recordings of Bing Crosby, Boswell Sisters, Greta Keller, Lazebon and Johnstone (PHI).
- 11:15 a. m.—Yascha Krein symphony orchestra (GSD, GSL).
- 2:20-3:40 p. m.—Promenade concert, Beethoven (GSD, GSD, GSL).
- 5:30 p. m.—Spanish music (EAQ).
- 6:15 p. m.—Selections from opera, Undine (DJD).
- 6 p. m.—Camillo Camurri, talk by H. E. Ballone Giuliana (2R01).
- 6:15-7 p. m.—Opera, *Jacqueries*, by Gino Marinuzzi (2R01).
- 7 p. m.—Dance orchestra (GSD, GSC).
- 7 p. m.—Venezuelan music (VV2RC).
- 7:10 p. m.—Giuseppe Paganini, tenor (2R01).
- 7:15 p. m.—News (2R01).
- 7:30 p. m.—Martín del Llano, tenor (VV2HC).
- 7:45 p. m.—Popular music (VV2RC).
- 9 p. m.—The Happy Band (VV2RC).

SATURDAY, SEPTEMBER 21

- 6 a. m.—First Battalion Welch Regiment band (GSG, GSJ).
- 7:30 a. m.—Saxophone and clarinet recital; C. J. van Zebe (PHI).
- 2:30 p. m.—From one band to another, Harry Leader and Vagabond's amateur bands (GSD, GSD, GSL).
- 3:30 p. m.—Farewell to Summer (GSD, GSD, GSD).
- 5:30 p. m.—Program dedicated to Galician (EAQ).
- 5:30 p. m.—Summary of week's events at League of Nations meeting (HIL).
- 6 p. m.—March tunes (DJD).
- 6:45 p. m.—Under the Big Ben, talk by Howard Marshall, recording (GSD, GSC).
- 7 p. m.—Short-wave folies, recording (GSD, GSC).
- 7 p. m.—Venezuelan music (VV2RC).
- 7:30 p. m.—Dance songs (DJD).
- 8:30 p. m.—Review of the week in English (DJD).
- 9:15 p. m.—Dance Music (DJD).
- 10 p. m.—Harry Gordon, the Man from Loverocky (GSD, GSC, GSL).

On Short Waves

By Chas. A. Morrison

KEY TO FREQUENCIES

Megacycles, or thousands of kilocycles, shown.

2RO (Rome)	9.64	PCJ (Huizen, Holland)	15.22
DJC (Zeesen)	6.02	PHI (Huizen, Holland)	17.77
DJD (Zeesen)	11.77	Pontoise	11.72
EAQ (Madrid)	9.87	PRADO (Riobamba, Ecuador)	6.62
FYA (Paris)	11.71	RNE (Moscow)	12.00
GSB (Daventry)	9.51	VK2ME (Sydney, Australia)	9.59
GSC (Daventry)	9.58	VK3LR (Melbourne, Australia)	9.58
GSD (Daventry)	11.75	VK3ME (Melbourne, Australia)	9.51
GSE (Daventry)	11.86	VUB (Bombay, India)	9.65
GSF (Daventry)	15.14	VUC (Bombay, India)	6.11
GSG (Daventry)	17.79	YV2RC (Caracas, Venezuela)	6.11
GSI (Daventry)	15.26	(EST Shown; for CST Subtract One Hour)	
GSJ (Daventry)	21.53	SUNDAY, SEPTEMBER 22	
GSL (Daventry)	6.11		
HBL (Geneva, Switzerland)	9.59	4:30-8:30 a. m.—Sunday programs (VK2ME).	
HC2RL (Guayaquil, Ecuador)	6.65	8:10 a. m.—Roman Catholic broadcasting association (PJ).	
HJ1ABE (Cartagena, Colombia)	6.12	9:10 a. m.—Talk for listeners in Dutch West Indies (PCJ).	

(EST Shown; for CST Subtract One Hour)

SUNDAY, SEPTEMBER 22

4:30-8:30 a. m.—Sunday programs (VK2ME).
8:10 a. m.—Roman Catholic broadcasting association (PJ).
9:10 a. m.—Talk for listeners in Dutch West Indies (PCJ).
2:45-5:30 p. m.—Horse races (YV2RC).
5:10 p. m.—Children's hour (DJD).
6 p. m.—Studio concert (GSB, GSC).
6:30 p. m.—Dance music (YV2RC).
6:45 p. m.—Talk, The Drawing Room of the Empire, Winifred Wrench (GSB, GSC).
7 p. m.—Religious service, Eastbourne Paris church (GSB, GSC).
7:15 p. m.—Review of Reviews (FYA).
7:30 p. m.—New German tones (DJD).
8:10-30 p. m.—BAND CONCERT FROM PLAZA BOLIVAR (YV2RC).
8:30 p. m.—Last Rose of Summer, review (DJD).
10 p. m.—Australia to Tierra del Fuego (GSD, GSC, GSL).

MONDAY, SEPTEMBER 23

2 a. m.—Dusk Below Helvellyn, story (GSB, GSD).
7:25 a. m.—Mies C. Zwierzina, songs (PHI).
9:30-10 a. m.—GAME, SET AND MATCH, summary of Summer sporting results (GSF, GSB).
1:45 p. m.—Medvedeff's balalaika orchestra (GSB, GSD, GSI).
4 p. m.—Reading from recent literature (RNE).
4:15-5:10 p. m.—Act III, Delius Opera KOANGA, from Covent Garden, London (GSF, GSB).
5:10 p. m.—Commemoration of fiftieth anniversary of Karl Spitzweg (DJD).
6 p. m.—Barcelona program (EAQ).
6 p. m.—Operatic potpourri (GSB, GSC).
6:15 p. m.—OPERA, GIULIETTA E ROMEO, by Riccardo Zandonai (2RO).
7:10 p. m.—Benito Josi, pianist (2RO).
7:45 p. m.—Beethoven program; Professor Herbert Pollack (DJD).
8 p. m.—Sergio Codes' orchestra (YV2RC).
8:30-9 p. m.—AMATEUR HOUR (YV2RC).
8:30 p. m.—Stamitz chamber orchestra (DJD).
9 p. m.—Dance music (YV2RC).
9:15 p. m.—Raúl Izquierdo, crooner (YV2RC).
10 p. m.—Shortwave Follies concert (GSC, GSL).
10:30 p. m.—Program dedicated to American short wave clubs (HJ1ABE).

TUESDAY, SEPTEMBER 24

9:45-10 a. m.—BACKSTAGE LONDON, tour of London Hippodrome (GSF, GSG).
2:30 p. m.—PROMENADE CONCERT, Mozart (GSB, GSD, GSL).
3:10-3:40 p. m.—Riverside Drive, excursion along London's waterfront (GSB, GSD, GSL).

(Continued on Page 23)

On Short Waves

(Continued from Page 13)

- 5:05 p. m.—German folk songs (DJD).
6 p. m.—Interviews of two American girl exchange students (DJD).
6 p. m.—Popular ballads (GSB, GSC).
6:10 p. m.—La Merienda de la Poloma (EAQ).
6:30 p. m.—Guane, Set, and Mateh (GSB, GSC).
7 p. m.—Typical Venezuelan music (YV2RC).
7:15 p. m.—Rosario Yozada, soloist (YV2RC).
7:30 p. m.—Light music (DJD).
7:45 p. m.—Judicial chronicle (FYA).
8:30-9 p. m.—Special broadcast for Philadelphia newspaper (YV2RC).
9:20 p. m.—Tuesday night (HC2RL).

WEDNESDAY, SEPTEMBER 25

- 6 a. m.—Mail bag (VK3ME).
1:45-2:45 p. m.—PURITAN LULLABY, operetta, the story of Miles Standish (GSB, GSD, GSL).
2:45-3:30 p. m.—THE ROUND TRIP, sea voyage in sound (GSB, GSD, GSL).
3:30 p. m.—Yankee Doodle, musical melange (GSG, GSD, GSL).
4 p. m.—Conversation in a train (RNE).
6 p. m.—RBC Empire orchestra (GSB, GSC).
6:10 p. m.—Talk by Romolo Guazzo, Tommaso di Savoia (2RO).
6:15 p. m.—Brass band (DJD).
6:20 p. m.—Symphonic concert (2RO).
6:45 p. m.—Martime chronicle (FYA).
7 p. m.—Program in English (EAQ).
7 p. m.—Casani's Club orchestra (GSB, GSC).
7:30 p. m.—Rosario Yozada, soloist (YV2RC).
7:30 p. m.—Variety concert (DJD).
8:30 p. m.—Operatic arias (YV2RC).
8:30 p. m.—Songs and chamber music (DJD).
9 p. m.—Dance music (YV2RC).
10:30 p. m.—Program forecast (DJD, DJC).
10:30 p. m.—Contrasts, street entertainers (GSC, GSL).

THURSDAY, SEPTEMBER 26

- 2 a. m.—What's on in town, music from London shows (GSB, GSD).
7 a. m.—Radio show; Berlin, Milan, New York (PIII).
9:30 p. m.—His Majesty's Royal Marines Band (GSF, GSG).
11:15 p. m.—Munizov's tipica orchestra (GSF, GSG).
2:55-3:35 p. m.—PROMENADE CONCERT, Sibelius (GSB, GSD, GSL).
3:40 p. m.—Speeches on Empire Trade; Annual Banquet, Britain Chamber of Commerce Association (GSB, GSD, GSL).
5:25 p. m.—Folk songs and dances (DJD).
6 p. m.—Talk A Countryman's Dairy, A. G. Street (GSB, GSC).
7 p. m.—Quits, play (GSB, GSC).
7:15 p. m.—National quartet (YV2HC).
7:30 p. m.—Musical radio review (DJD).
7:30 p. m.—Rhythm Is the Thing, syncopation (GSB, GSC).
7:30 p. m.—Hawaiian music (YV2HC).
8:30 p. m.—Organ recital (DJD).
8:30 p. m.—Trio (YV2RC).
9:10 p. m.—BAND CONCERT FROM BOLIVAR PLAZA (YV2RC).
9:20 p. m.—Ecuadorian music (PRADO).
10 p. m.—French stock market (FYA).

FRIDAY, SEPTEMBER 27

- 7:05 a. m.—Song and piano recital (PIII).
1 p. m.—Program dedicated to Canary Islands, Spanish Guinea and Europe (EAQ).
2:30-3:10 p. m.—PROMENADE CONCERT, Beethoven (GSB, GSD, GSL).
4 p. m.—CONQUESTS OF THE AIR (RNE).
5:10 p. m.—Romantic songs and tunes (DJD).
6:15 p. m.—SYMPHONY CONCERT, seventh Symphony by Anton Brucker (DJD).
6 p. m.—BBC dance orchestra (GSB, GSC).

(Continued on Page 25)

On Short Waves

(Continued from Page 23)

- 6:05 p. m.—Talk, Prof. Vittorio Cian, Vincenzo Gioberti (2HO).
6:20 p. m.—OPEITA, Samson and Delila, by Saint Saens, conducted by Vincenzo Bellezza (2RO).
7:10 p. m.—Maria Baratta songs in dialect (2RO).
7:30 p. m.—Martin del Llano crooner (YV2RC).
8:30 p. m.—Grand Opera selections (YV2RC).
9 p. m.—The Happy Bunch (YV2RC).

SATURDAY, SEPTEMBER 28

- 6:40 a. m.—Station orchestra (PHI).
8:35 a. m.—Walk Through London Variety Shows (PHI).
9:30 a. m.—J. H. Squire celeste octet (GSG, GSF).
10:30-11:15 a. m.—SHELSLEY WALSH INTERNATIONAL OPEN HILL CLIMB FOR RACING AND SPORT CARS (GSF, GSG).
1:15 p. m.—Physical Fitness Through the Ages, pageant from headquarters of Boy Scouts Association, Manchester (GSB, GSD, GSI).
2:25 p. m.—PROMENADE CONCERT (GSB, GSD, GSL).
4:15-4:45 p. m.—SHELSLEY WALSH HILL CLIMB (GSB, GSF).
5:30 p. m.—Summary of week's events at League of Nations (HBI).
6-6:30 p. m.—AND WHY THE SEA IS BOILING HOT, music and nonsense (GSB, GSC).
6:15 p. m.—Die Schone Galathée, musical comedy (DJ1).
6:30 p. m.—SHELSLEY WALSH HILL CLIMB, recording (GSB, GSC).
7 p. m.—BBC military band (GSB, GSC).
7 p. m.—Venezuelan music (YV2RC).
8:30 p. m.—Greetings to listeners (HJD).
10:30 p. m.—A Cockney Cameo; John Rorke, vocalist (GSC, GSL).

Short Waves

KEY TO FREQUENCIES

Megacycles, or thousands of kilocycles, shown.	
2RO (Rome)	9.64
CJRX (Winnipeg, Canada)	11.72
DJC (Zeesen)	6.02
DJD (Zeesen)	11.77
EAQ (Madrid)	9.87
FYA (Paris)	11.71
GSB (Daventry)	9.51
GSC (Daventry)	9.58
GSD (Daventry)	11.75
GSE (Daventry)	11.86
GSF (Daventry)	15.14
GSG (Daventry)	17.79
GSI (Daventry)	15.26
GSL (Daventry)	6.11
HC2RL (Guayaquil, Ecuador)	6.66
HJ1ABE (Cartagena, Colombia)	6.12
HJ4ABJ (Ibagué, Colombia)	6.30
PCJ (Huizen, Holland)	15.22
PHI (Huizen, Holland)	17.77
Pontoise	11.72
PRADO (Riebamba, Ecuador)	6.62
RNE (Moscow)	12.00
VK2ME (Sydney, Australia)	9.59
VK3LR (Melbourne, Australia)	9.58
VK3ME (Melbourne, Australia)	9.51
VUB (Bombay, India)	9.65
VUC (Bombay, India)	6.11
YV2RC (Caracas, Venezuela)	6.11
W2XAF (Schenectady, New York)	9.53

NEWS BROADCASTS

Daily—2 a. m., GSD, GSB; 8 a. m., GSG, GSJ;
11:30 a. m., GSG, GSF; 5 p. m., GSF, GSB;
7:45 p. m., GSD, GSC; 10:45 p. m., GSD, GSC; 9:15 p. m., DJD; 10:50 a. m., VUC;
7 a. m., VK2ME; 7 p. m., Pontoise.
Sunday 7:45 a. m., PCJ.
Monday, Wednesday, Friday—11:15 a. m., VUB; 7:15 p. m., 2RO.
Tuesday, Thursday, Saturday—10:45 a. m., VUB.
Monday, Thursday, Friday, Saturday—7:45 a. m., PHI.
Daily except Sunday—5:50 a. m., VK3LR.

SUNDAY, SEPTEMBER 29

4:30-8:30 a. m.—Sunday programs (VK2ME).
9:55 a. m.—Jacob Ros, pianist (PCJ).
10:10 a. m.—Roman Catholic Ass'n (PCJ).
2:45-5:30 p. m.—Horse races (YV2RC).
4 p. m.—History of Russian revolution (RNE).
5 p. m.—Grenadier Guards' band (CJRX).
5:10 p. m.—Children's hour (DJC).
6 p. m.—BBC Empire orchestra (GSB, GSC).
6 p. m.—Sunday evening program (DJC).
6:30 p. m.—Dance music (YV2RC).
7 p. m.—Religious service (GSB, GSC).
7:45 p. m.—Songs and verses (DJC).
8:10-30 p. m.—BAND CONCERT (YV2RC).
9:15 p. m.—Military music (DJC).
10 p. m.—Backstage London (GSC, GSL).

MONDAY, SEPTEMBER 30

9:25 a. m.—Mrs. E. Maarschalk, soloist (PHI).
9:40 a. m.—Bands across the sea (GSF, GSG).
2:25-5 p. m.—PROMENADE CONCERT, Wagner (GSB, GSD, GSL).
2:55 p. m.—Brunnair, play (GSB, GSD, GSL).
3:40 p. m.—Bands across the sea (GSB, GSD, GSL).
4 p. m.—Women's half hour (RNE).
5:10 p. m.—Songs by Robert Schumann (DJC).
6 p. m.—Catalonia Radio Association (EAQ).
6 p. m.—German Folk Songs (DJC).
6:05 p. m.—Annibale Alberti, talk (2RO).
6:15-7 p. m.—Opera, IGANNO FELICE (2RO).
6:30 p. m.—Bands across the sea (GSB, GSC).
7:10 p. m.—Cetra orchestra (2RO).
7:15 p. m.—Quentin MacLean, organist (GSB, GSC).
7:30 p. m.—Dance music (DJC).
8 p. m.—Sergio Codes' orchestra (YV2RC).
8:30-9 p. m.—THE SONG HIT (DJC).
8:30-9 p. m.—AMATEUR HOUR (YV2RC).
9 p. m.—Dance music (YV2RC).
9:15 p. m.—Raúl Isquierdo, crooner (YV2RC).

(Continued on Page 23)

On Short Waves

(Continued from Page 16)

10 p. m.—Traine and his mandolins (GSC, GSL).
10:30 p. m.—Program dedicated to American short wave clubs (WJLAE).

TUESDAY, OCTOBER 1

9:35 a. m.—Light and Shade (GSC, GSG).
1:2 p. m.—AIR-DO-WELLS (GSB, GSD, GSL).
2 p. m.—Gone, Set and Match (GSB, GSD, GSL).
2:30 p. m.—Rifle Corps Band (GSB, GSD, GSL).
2:45 p. m.—Holland concert (GSB, GSD, GSL).
3:15 p. m.—Backstage London (GSB, GSD, GSL).
6 p. m.—New German tunes (DJC).
6:7 p. m.—MUSICAL COMEDY MOMENTS (GSB, GSC).
6:35-6:45 p. m.—Mail Bag, Eugene Darlington (WZKAF).
6:45 p. m.—Backstage in Schenectady (WZKAF).
7 p. m.—Backstage in London (GSB, GSC).
7 p. m.—Typical Venezuelan music (YV2RC).
7:15 p. m.—Love in the French Capital (FYA).
7:15 p. m.—Rosario Yozada, vocalist (YV2RC).
7:30 p. m.—Harvest Moon Round (DJC).
8:30-9 p. m.—SPECIAL BROADCAST FOR CHICAGO SHORT WAVE RADIO CLUB (YV2RC).
8:30 p. m.—Musical jokes (DJC).
9:20 p. m.—Evening concert (HR2HL).
10 p. m.—Light and Shade, a play (GSC, GSL).

WEDNESDAY, OCTOBER 2

6 a. m.—Mail Bag (VK3ME).
10 a. m.—Under Big Ben, talk (GSC, GSC).
1:30-2 p. m.—THE ROCKY MOUNTAINERS, presented by Bill Campbell (GSC, GSD).
2:3 p. m.—PROMENADE CONCERT, Brahms (GSB, GSD, GSL).
3 p. m.—Harry C. Lance, speaker (RNE).
3 p. m.—Bryan Michie (GSB, GSD, GSL).
4:30 p. m.—Dusk Before Helvellyn (GSB, GSC).
5:10 p. m.—German Girls' Association (DJC).
6:15 p. m.—Bonfire in Autumn (DJC).
6:45 p. m.—Under Big Ben, talk (GSC, GSC).
7 p. m.—Maurice Winnick's Orch. (GSB, GSC).
7:30 p. m.—Rosario Yozada, vocalist (YV2RC).
8:30 p. m.—Operatic arias (YV2RC).
8:30 p. m.—String trio (DJC).
9 p. m.—Dance music (YV2RC).
9:15 p. m.—Musical riddle hour (DJC).
10 p. m.—Bands across the sea (GSC, GSL).

THURSDAY, OCTOBER 3

9:25 a. m.—Talk on literature (PHI).
11:15 a. m.—Maudeyati's orchestra (GSF, GSG).
1:15-2:35 p. m.—West End shows (GSB, GSD, GSC).
1:30 p. m.—Medvedeff's balalaika orchestra (GSB, GSD, GSC).
2:30-3:10 p. m.—PROMENADE CONCERT, Mozart and Haydn (GSB, GSD, GSL).
3:15 p. m.—Military band (GSB, GSD, GSL).
5:30 p. m.—Zophosukkasi (IMU).
6:15-7:15 p. m.—SCENES FROM FAUST (DJC).
6:40 p. m.—EMPIRE MAIL BAG (GSB, GSC).
6:40 p. m.—Traine and his mandolins (GSB, GSC).
7:15 p. m.—National quartet (YV2RC).
7:30 p. m.—Hawaiian music (YV2RC).
7:30 p. m.—German army band (DJC).
8:30 p. m.—Trio (YV2RC).
8:30 p. m.—Piano, violin and cello (DJC).
9:10 p. m.—HARD CONCERT (YV2RC).
9:15 p. m.—Light music (DJC).
9:20 p. m.—Ecuadorian music (PRADO).
10 p. m.—BBC Empire orchestra (GSC, GSL).
10 p. m.—News bulletins, weather (CJRN).

FRIDAY, OCTOBER 4

10:15 a. m.—Dance music (PHI).
11:50 a. m.—Zaguner orchestra (GSF, GSG).
2:25-3:35 p. m.—PROMENADE CONCERT, Beethoven (GSB, GSD, GSL).
3:35 p. m.—ROYAL FOLLIES (GSB, GSD, GSL).
4:10 p. m.—I Knew a Man, talk (GSB, GSC).
5:10 p. m.—Autumn in Germany (DJC).
5:25 p. m.—Papillons by Schumann (DJC).
6 p. m.—Opera music (DJC).
6:45 p. m.—Light and Shade, play (GSB, GSC).
7:30-8:15 p. m.—HASSE CHAMBER ORCHESTRA (DJC).
7:30 p. m.—Martín del Llano, crooner (YV2RC).
8:30 p. m.—Grand opera selections (YV2RC).
8:45 p. m.—Will Carter, hillbilly songs (CJRN).
9 p. m.—The Happy Bunch (YV2RC).
10 p. m.—EMPIRE MAIL BAG (GSB, GSL).

SATURDAY, OCTOBER 5

8:15 a. m.—Kreova quartet (PHI).
10:30 a. m.—Mexican folk cocktail (PHI).
1:15-4:45 p. m.—SATURDAY MAGAZINE (GSB, GSD, GSL).
2:45-3:45 p. m.—JACK HYLTON'S RADIO REVIEW (GSB, GSD, GSL).
4:15-4:45 p. m.—PROMENADE CONCERT (GSB, GSC).
6:15 p. m.—GALA DANCE NIGHT (DJC).
6 p. m.—Novelty band presentation (GSC, GSC).
6:45 p. m.—I Knew a Man (GSB, GSC).
7 p. m.—BBC Empire orchestra (GSB, GSC).
7 p. m.—Typical American music (YV2RC).
7:30 p. m.—Folk Music (DJC).
8:10 p. m.—SPECIAL PROGRAM FOR INTERNATIONAL DXERS ALLIANCE (WJAR).
8:30 p. m.—South American compontos (DJC).
10 p. m.—Alfredo Campoli trio (GSC, GSL).

On Short Waves

By Chas. A. Morrison

KEY TO FREQUENCIES

Megacycles, or thousands of kilocycles, shown.
2RO (Rome) 9.64
CJRX (Winnipeg, Canada) 11.72
CJRO (Winnipeg, Canada) 6.15
DJC (Zeesen) 6.02
DJD (Zeesen) 11.77
EAQ (Madrid) 9.87
GSD (Daventry) 9.51
GSC (Daventry) 9.58
GSD (Daventry) 11.75
GSE (Daventry) 11.86
GSF (Daventry) 15.14
GSG (Daventry) 17.79
GSI (Daventry) 15.26
GSL (Daventry) 6.11
H89B (Bern) 14.23
HBL (Geneva) 9.60
HBP (Geneva) 7.80
HC2RL (Guayaquil, Ecuador) 6.66
(EST Shown; for CST Subtract One Hour.)
PCJ (Huizen, Holland) 15.22
PHI (Huizen, Holland) 17.73
Pontoise 11.72
PRADO (Riobamba, Ecuador) 6.62
VK2ME (Sydney, Australia) 9.59
VK3LR (Melbourne, Australia) 9.58
VK3ME (Melbourne, Australia) 9.51
VUB (Bombay, India) 9.65
VUC (Bombay, India) 6.11
VY2RC (Caracas, Venezuela) 6.11

NEWS BROADCASTS

Daily—4 a. m., GSD, GSB; 8 a. m., GSG, GSF; 11:30 a. m., GSG, GSF; 1 p. m., GSB, GSD, GSI; 5 p. m., GSB, GSC; 7:45 p. m., GSB, GSC; 10:45 p. m., GSL, GSC; 8:15 p. m., DJD; 10:50 a. m., VUC; 7 a. m., VK2ME; 7 p. m., Pontoise; 7:15 p. m., 2RO.

Sunday, 9:30 a. m., PCJ.

Monday, Wednesday, Friday—11:15 a. m., VUB.

Tuesday, Thursday, Saturday—10:45 a. m., VUB.

Monday, Thursday, Friday, Saturday—9:30 a. m., PHI.

Daily except Sunday—5:50 a. m., VK3LR.

SUNDAY, OCTOBER 6

- 4:30-8:30 a. m.—Sunday programs (VK2ME).
10 a. m.—Literature talk (PCJ).
2 p. m.—Thanksgiving service (GSB, GSD, GSL).
2:15-5:30 p. m.—HORSE RACES (YV2RC).
3 p. m.—Talk, Revisited (GSB, GSD, GSL).
3:20-4 p. m.—LONDON SYMPHONY ORCHESTRA (GSB, GSD, GSL).
5 p. m.—Grenadier Guards' band (CJRX).
5:10 p. m.—Children's hour (DJC).
6 p. m.—Sunday evening program (DJC).
6 p. m.—Thanksgiving service (GSB, GSC).
6:30 p. m.—Union Radio (EAQ).
7:30 p. m.—Olympia is Calling for Peace (DJC).

8:10-30 p. m.—BAND CONCERT (YV2RC).

9:15 p. m.—Variety concert (DJC).

10:10-30 p. m.—QUIT, play (GSC, GSL).

MONDAY, OCTOBER 7

- 6:50 a. m.—Mail bag (GSF, GSG).
9:45 a. m.—Recollections of Fleet street (GSF GSE).
11 a. m.—Hungarian Gypsy band (GSE, GSF).
12:15 p. m.—Troise and his mandoliers (GSB GSD, GSI).
2:10 p. m.—Talk, The Theater (GSB, GSD, GSL).
2:30 p. m.—Celeste octet (GSB, GSD, GSL).
3 p. m.—Radio variety (GSB, GSD, GSL).
3:10-4:15 p. m.—SWISS BROADCAST (HB9B).
4 p. m.—Musical show (GSB, GSC).
5:10 p. m.—Frieda Haspel, pianist (DJC).
6 p. m.—Barcelona program (EAQ).
6:7:15 p. m.—MERRY HOUR (DJC).
6 p. m.—American hour (210).
6:7 p. m.—SWISS BROADCAST (HB9B, HBL, HBP).
6:10 p. m.—Music and the Listener (GSB, GSC).
6:30 p. m.—Dance music (GSB, GSC).
7 p. m.—String orchestra (YV2RC).
7:15 p. m.—World travelogues (YV2RC).
7:30 p. m.—Can you stand Jibs? (DJC).
8-9 p. m.—AMATEUR HOUR (YV2RC).
8:30 p. m.—Verses and music (DJC).
9 p. m.—Dance music (YV2RC).
9:15 p. m.—Military music (DJC).
10 p. m.—Musical comedy moments (GSC, GSL).
10:30 p. m.—American short wave clubs' program (HJ1ABE).

TUESDAY, OCTOBER 8

- 3:30 a. m.—Told by the Marines (GSB, GSD).
7:8 a. m.—CHURCH CONGRESS from St. Peter's (GSF, GSG).
10-11 a. m.—EUROPEAN DANCES (GSE, GSF).
1:15 p. m.—New stunt (GSB, GSD, GSI).
2:25-3 p. m.—ACT I, LA BOHEME (GSB, GSD, GSL).
4 p. m.—Meet Mickey Mouse (GSB, GSC).
5:10 p. m.—Women's hour (DJC).
6 p. m.—Hunting season begins (DJC).
6:45 p. m.—Recollections of Fleet street (GSB, GSC).
7 p. m.—English program (EAQ).
7 p. m.—Mixed Pickles (GSB, GSC).
7 p. m.—Venezuelan music (YV2RC).

(Continued on Page 23)

Short Waves

(Continued from Page 21)

- 8:30-9 p. m.—SPECIAL PROGRAM (YV2RC).
8:30 p. m.—Duet (DJC).
9:15 p. m.—Dance music (DJC).
9:20 p. m.—Evening concert (HC2RL).
10 p. m.—Talk, Revisited (GSC, GSL).
10:20 p. m.—Reginald Dixon, organist (GSC, GSL).

WEDNESDAY, OCTOBER 9

- 5:10 p. m.—Festive hour (DJC).
6 p. m.—Mail bag (VK3ME).
6 p. m.—American hour (2RO).
6:15 p. m.—DON CESAR, operetta (DJC).
6:30 p. m.—Musical oleographs (GSB, GSC).
7 p. m.—Talk, Revisited (GSB, GSC).
7 p. m.—Don Tunelos, comic tales (YV2RC).
7:15 p. m.—Miss Kayser, songs (YV2RC).
8:30 p. m.—Musical comedies (YV2RC).
8:30 p. m.—Sextet (DJC).
10 p. m.—Empire orchestra (GSC, GSL).
10:30 p. m.—Letter box (DJC).

THURSDAY, OCTOBER 10

- 10 a. m.—Residential Haens orchestra (PHH).
4:20 p. m.—Mail bag (GSE, GSC).
5:10 p. m.—Country music (DJC).
6 p. m.—Popular ballads (GSB, GSC).
6:15-7:15 p. m.—STINE, drama (DJC).
6:30-7 p. m.—THE COPY, play (GSB, GSC).
7:15 p. m.—String orchestra (YV2RC).
7:30 p. m.—Suorces a Venise (CJRO, CJRX).
7:30 p. m.—Brass band (DJC).
7:45 p. m.—Julio de Seto, tenor (YV2RC).
8 p. m.—Theater of the Air (YV2RC).
8:30 p. m.—Trio (YV2RC).
8:30 p. m.—Songs and piano (DJC).
8:45 p. m.—Old favorites (YV2RC).
9:10 p. m.—BAND CONCERT (YV2RC).
9:20 p. m.—Ecuadorian music (PHADO).
10 p. m.—Mixed Pickles (GSC, GSL).

FRIDAY, OCTOBER 11

- 2:40 a. m.—Marie Ney, actress (GSB, GSD).
1:20 p. m.—British comedians (GSB, GSD, GSD).
2 p. m.—From the theater (GSB, GSD, GSD).
3 p. m.—Glasgow Orpheus choir (GSB, GSD, GSL).
3:45 p. m.—Carroll Gibbons' orchestra (GSB, GSD, GSE).
5 p. m.—Talk, I Knew a Man (GSB, GSC).
5:20 p. m.—West End cabaret (GSH, GSC).
5:10 p. m.—Historical dramatization (DJC).
6:15 p. m.—SYMPHONY CONCERT (DJC).
6 p. m.—American hour (2RO).
6 p. m.—Dance music (GSB, GSC).
5:30 p. m.—A Countryman's Diary (GSB, GSC).
7:30 p. m.—Martin del Llano, crooner (YV2RC).
7:45 p. m.—Popular music (YV2RC).
8:30 p. m.—German Wikinger Spirit (DJC).
8:45 p. m.—Will Carter, yodeler (CJRO, CJRX).
8:45 p. m.—German folk songs (DJC).
9 p. m.—The happy bunch (YV2RC).
10:30 p. m.—BAKREL ORGAN (GSC, GSL).

SATURDAY, OCTOBER 12

- 7:30 a. m.—All India rugby football tournament (GSE, GSC).
9:40 a. m.—The Troubadours (PHH).
11:15 a. m.—Colin Werk, pianist (GSE, GSF).
2:25 p. m.—SATURDAY MAGAZINE (GSB, GSD, GSL).
4:30-5 p. m.—Opera, PAGLIACCI (GSB, GSC).
5:30-6:15 p. m.—Summary of League of Nations (HIBL, HIBP).
6 p. m.—Empire orchestra (GSB, GSC).
6 p. m.—German and Chilean songs (DJC).
6:15-7:15 p. m.—VARIETY PROGRAM (DJC).
7 p. m.—I Knew a Man (GSH, GSC).
7 p. m.—Venezuelan music (YV2RC).
7:20 p. m.—Pop Goes the Weasel (GSB, GSC).
7:30 p. m.—String quartet (DJC).
7:30 p. m.—Svengali, crooner (YV2RC).
8 p. m.—Operatic Arias (YV2RC).
8:30 p. m.—Rosario Lozano, Jesus Paiva, singers (YV2RC).
9:15 p. m.—Orchestral concert (DJC).
10 p. m.—A Countryman's Diary (GSC, GSL).
10:15 p. m.—Musical oleographs (GSC, GSL).

On Short Waves

By Chas. A. Morrison

KEY TD FREQUENCIES

Mecacycles, or thousands of kilocycles, shown.	
CJRX (Winnipeg, Canada)	11.72
CJRD (Winnipeg, Canada)	6.15
DJC (Zeesen)	6.02
DJD (Zeesen)	11.77
EAQ (Madrid)	9.87
GSB (Daventry)	9.51
GSC (Daventry)	9.58
GSD (Daventry)	11.75
GSE (Daventry)	11.86
GSF (Daventry)	15.14
GSG (Daventry)	17.79
GSI (Daventry)	15.26
GSL (Daventry)	6.11
HBL (Geneva)	9.60
HBP (Geneva)	7.80
HC2RL (Guayaquil, Ecuador)	6.66
HJ1ABE (Cartagena, Colombia)	6.12
HJ4ABE (Medellin)	5.93
(EST Shown; for CST Subtract One Hour.)	

SUNDAY, OCTOBER 13

2:15 p. m.—Horse races (YV2RC).
2:55 p. m.—Service from St. Paul's (GSB, GSD, GSL).
4 p. m.—Talk, "GREETINGS TO SHORT WAVE LISTENERS OF THE WORLD," by Harry Lange (RNE).
5:10 p. m.—Children's hour (DJC).
5:30 p. m.—Spanish music (EAQ).
6 p. m.—Langham Place (GSB, GSC).
6:15 p. m.—Sunday concert (DJC).
6:55 p. m.—Service from St. Paul's (GSB, GSC).
7:30-8:15 p. m.—KNAPSACK PHILOSOPHY (DJC).
8:10-30 p. m.—BAND CONCERT (YV2RC)
8:30 p. m.—Greetings (DJC).
10 p. m.—Service from St. Paul's (GSC, GSD).

MONDAY, OCTOBER 14

2 p. m.—Tin Can symphony (GSB, GSD, GSL).
2:20 p. m.—Mixed Pickles (GSB, GSD, GSL).
3:30 p. m.—Songs (GSB, GSD, GSL).
5:10 p. m.—Children's hour (DJC).
5:45 p. m.—Government news (EAQ).
6 p. m.—Dance music (GSB, GSC).
6:10 p. m.—Talk, Sir Walford Davies (GSB, GSC).
6:15 p. m.—OPERA, LA SAGREDO (RHO).
6:15 p. m.—Light music (DJC).
6:30 p. m.—Battered Both Sides (GSB, GSC).
7 p. m.—String orchestra (YV2RC).
7:15 p. m.—World travels (YV2RC).
7:30-8:15 p. m.—POTATO FIRES ARE BURNING (DJC).
8:30 p. m.—AMATEUR HOUR (YV2RC).
9 p. m.—Dance music (YV2RC).
9:15 p. m.—Variety program (DJC).
10 p. m.—Pop Goes the Weasel (GSC, GSL).
10:30 p. m.—DN program (HJ1ABE).

TUESDAY, OCTOBER 15

2 p. m.—Under Big Ben (GSB, GSD, GSL).
3 p. m.—Entertainment (GSB, GSD, GSL).
4:30 p. m.—Songs (GSB, GSC).
5:10 p. m.—International Conference, Lyceum Club (DJC).
5:35 p. m.—Mail Bag, Backstage in Schenectady (W2XAF).
6 p. m.—Dance music (DJC).
6:15 p. m.—Under Big Ben (GSB, GSC).
7 p. m.—English program (EAQ).
7 p. m.—Venezuelan music (YV2RC).
7 p. m.—Guy Elsner, organist (GSB, GSC).
7:30 p. m.—Peter Mendoza, pianist (GSB, GSC).
7:30 p. m.—Chamber orchestra (DJC).
8:30-9 p. m.—SPECIAL PROGRAM (YV2RC).
9:15 p. m.—Military music (DJC).
9:20 p. m.—Evening concert (HC2RL).
10 p. m.—BBC Empire orchestra (GSC, GSL).

WEDNESDAY, OCTOBER 16

3:15-3:45 p. m.—BUILDING DRUMMONG (GSB, GSD, GSL).

- 5:10 p. m.—Frederick the Great (DJC).
 6:15 p. m.—OPEHA, DER EVANGELIMANN (DJC).
 6:05 p. m.—Talk by Giacinto Motta, president Italian Edison Electric Company (RHO).
 6:15 p. m.—Valencian songs (EAQ).
 6:15-7 p. m.—Symphonic concert (RHO).
 7 p. m.—Don Timoteo, comic tales (YV2RC).
 7:10 p. m.—Alba Angelotti, soprano (RHO).
 7:15 p. m.—New Guinea (GSB, GSC).
 7:15 p. m.—Miss Kayser, songs (YV2RC).
 7:30 p. m.—Barbara Newberry and Kenneth Rich, songs (GSB, GSC).
(Continued on Page 23)

Amazing New 1936 Super Deluxe METALTUBE MIDWEST 18-Tube 6-BAND RADIO



Everywhere, radio enthusiasts are praising this amazingly beautiful, bigger, better, more powerful, super selective, 18-tube 6-tuning range radio. This super Midwest will out-perform \$200 to \$500 sets on a point-for-point comparison. Before you buy any radio, write for FREE 40-page 1936 catalog.

80 Advanced 1936 Features

Scores of marvelous features, many exclusive, explain Midwest's super performance and thrilling world-wide all-wave reception. . . enable Midwest to bring in weak distant foreign stations, with full loud speaker volume, on channels adjacent to locals. Thrill to Full Scope High Fidelity and brilliant concert tone. Every type of broadcast from North and South America, Europe, Asia, Africa, and Australia is now yours. Send today V-Front Design for money-saving facts. (Print Pending)

Deal Direct With Laboratories

No middleman's profits to pay—you buy at wholesale price direct from laboratories . . . saving 30% to 50%. Increasing costs mean higher prices soon. Take advantage of Midwest's sensational values. As little as \$5.00 down puts a Midwest in your home on 30 days free trial. You are truly protected with Foreign Reception Guarantees, Parts Guarantees, Money-Back Guaranteed.

MAIL COUPON TODAY! FOR
FREE 30-DAY TRIAL OFFER AND 40-PAGE FOUR-COLOR FREE CATALOG

MIDWEST RADIO CORP.
Dept. 101-T, Cincinnati, Ohio
Without obligation on my part, send me your new FREE catalog, complete details of your liberal 30-day FREE trial offer, and FREE Miniature Rotating 18-tube Dial. This is NOT an order.

Name _____
Address _____
Town _____ State _____

Check if interested in an All-Wave Battery Radio

UP
50%
WITH NEW
GIANT
THEATRE SONIC
SPEAKER
LESS TUBES

Short Waves

(Continued from Page 21)

- 7:30 p. m.—The fruits of Autumn (DJC).
8:30 p. m.—Musical comedies (YV2RC).
9:15 p. m.—Chamber orchestra (DMC).
10 p. m.—Toni Farrell, pianist (GSC, GSL).
10:15 p. m.—D'ye Ken John Peel? (GSC, GSL).

THURSDAY, OCTOBER 17

- 2:30-3 p. m.—SCOTLAND'S WEALTH (GSB, GSD, GSL).
4:45 p. m.—DINNER IS SERVED (GSB, GSC).
5:10 p. m.—In forests and meadows (DJC).
5:40 p. m.—Letter box (DJC).
6 p. m.—D'ye Ken John Peel? (GSB, GSC).
6:15 p. m.—A stroll through love (DJC).
6:45 p. m.—Dance band (GSB, GSC).
7 p. m.—English program (EAQ).
7:15 p. m.—String orchestra (YV2RC).
7:30 p. m.—Brass band (DJC).
7:45 p. m.—Julio de Soto, tenor (YV2RC).
8 p. m.—Theater of the Air (YV2RC).
8:30 p. m.—Sones and piano (YV2RC).
8:45 p. m.—Old favorites (YV2RC).
9:10-15 p. m.—BAND CONCERT (YV2RC).
9:15 p. m.—Dance music (DJC).
9:20 p. m.—Ecuadorian music (PRADO).
10 p. m.—Broadhurst septet (GSC, GSL).

FRIDAY, OCTOBER 18

- 2 p. m.—West End shows (GSB, GSD, GSL).
2:30 p. m.—Organists (GSB, GSD, GSL).
3:30-4:15 p. m.—BULLDOG DRUMMOND (GSB, GSD, GSL).
4:30 p. m.—Variety (GSB, GSC).
5 p. m.—Talk (GSB, GSC).
5:25 p. m.—Viennese dances by Beethoven (DJC).
6 p. m.—Nordic evening (DJC).
6 p. m.—Spanish fantasy (EAQ).
6:05 p. m.—Italian Branch, International Federation Business Women (2RO).
6:15 p. m.—OPERA, IL CAVALIERE DELLA ROSA (2RO).
6:15 p. m.—Harry Fox's orchestra (GSB, GSC).
6:45 p. m.—Celebrity snaps (GSB, GSC).
7:10 p. m.—Vera Golbi Beleradi, pianist (2RO).
7 p. m.—The King's Double (GSB, GSC).
7:30 p. m.—Musical variety (DJC).
7:30 p. m.—Martin del Llano, crooner (YV2RC).
7:45 p. m.—Popular music (YV2RC).
8:30 p. m.—Author's hour, Hans Bradenburg (DJC).
9 p. m.—The Happy Bunch (YV2RC).
9:15 p. m.—Variety concert (DJC).
10 p. m.—How's That? (GSC, GSL).

SATURDAY, OCTOBER 19

- 6:25 a. m.—A Matter of Minutes (GSF, GSG).
8:40 a. m.—The Troubadours (PHI).
10:30-11 a. m.—MOUNTAIN CHAMPIONSHIP AUTO RACE (GSF, GSG).
5:30 p. m.—League of Nations summary (JBL).
6 p. m.—Ambrose's orchestra (GSB, GSC).
6:15 p. m.—An evening in the homeland (DJC).
6:40 p. m.—A Matter of Minutes (GSB, GSC).
7 p. m.—English program (EAQ).
7 p. m.—Venezuelan music (YV2RC).
7:30 p. m.—Let's see what you know (DJC).
7:30 p. m.—Svenegali, crooner (YV2RC).
8 p. m.—H. de Pietra and J. P. Cereceda, soloists (YV2RC).
8:30 p. m.—Dance music (DJC).
8:30 p. m.—Rosario Lozano, Jesus Paiva, singers (YV2RC).
9:15 p. m.—Dance music (DMC).
10 p. m.—Celebrity snaps (GSC, GSL).
10:15 p. m.—Reginald P. Brown, organist (GSC, GSL).

Short Wave Programs

KEY TO FREQUENCIES

Megacycles, or thousands of kilocycles, shown.	
CJEX (Winnipeg, Canada)	11.72
CJRO (Winnipeg, Canada)	6.15
DJC (Zeezen)	6.02
DJD (Zeezen)	11.77
EAQ (Madrid)	9.87
GSE (Daventry)	9.51
GSC (Daventry)	9.58
GSD (Daventry)	11.75
GSE (Daventry)	11.86
GSE (Daventry)	15.15
GSG (Daventry)	17.79
OSI (Daventry)	15.20
GSE (Daventry)	6.11
HBL (Geneva)	9.60
HBBP (Geneva)	7.80
HC2RL (Guayaquil, Ecuador)	6.68
HJ1ABE (Cartagena, Colombia)	6.12
HJ4ABE (Medellin, Colombia)	5.93
(EST Shown; for CST Subtract One Hour.)	

SUNDAY, OCTOBER 20

4:30 a. m.—Sunday morning program (VK2ME).

9 a. m.—Dusk below Helvellyn (GSE, GSC).

9:40 a. m.—Roman Catholic program (PCJ).

12:15 p. m.—Younkman, Czardas band (GSB, GSD, GSC).

3 p. m.—Methodist services (GSB, GSD, GSL).

4 p. m.—Talk, Revisited (GSB, GSC).

4:20 p. m.—Grenadier Guards' band (GSB, GSC).

5:10 p. m.—Children's hour (DJC).

5 p. m.—Services from St. John's (GSB, GSC).

5:45 p. m.—I Knew a Man (GSB, GSC).

7 p. m.—Tango music (EAQ).

7:05 p. m.—Irish airs (GSB, GSC).

7:30 p. m.—Variety (DJC).

8:10-8:30 p. m.—BAND CONCERT (VV2RC).

8:30-9 p. m.—Play, THE NATIVE SON, (DJC).

10:15 p. m.—Mountain race (GSC, GSD).

MONDAY, OCTOBER 21

9:10 a. m.—Kumu Kahi Hawaiians (PHI).

11 a. m.—Hungarian Gypsy band (GSF, GSC).

3 p. m.—Stage party (GSB, GSD, GSL).

4:15 p. m.—Meet Mickey Mouse (GSB, GSC).

5 p. m.—Jack Jackson's orchestra (GSB, GSC).

5:15 p. m.—Catalan program (EAQ).

5:15 p. m.—OPERA, STARAT MATER (2RO).

5:15 p. m.—Talk, Music (GSB, GSC).

5:30 p. m.—The Day's Work (GSB, GSC).

7 p. m.—Mountain race (GSB, GSC).

7:10 p. m.—Folklore music (2RO).

7:15 p. m.—Travelogue (VV2RC).

7:30-8:15 p. m.—Cats Are Gray at Night (DJC).

8:30 p. m.—AMATEUR HOUR (VV2RC).

8:30 p. m.—Light music (DJC).

8:30 p. m.—Farmer Fiddlers (CJRO, CJRX).

9 p. m.—Dance music (VV2RC).

10 p. m.—The Klug's Double (GSC, GSL).

10:30 p. m.—DX PHOGRAM (HJ1ABE).

TUESDAY, OCTOBER 22

7:45 a. m.—Hungarian orchestra (GSF, GSC).

8:30 p. m.—Saltergate to Staithes (GSB, GSD, GSL).

5:15 p. m.—Opera finales (DJC).

5 p. m.—Medical program (EAQ).

5:35-6:45 p. m.—Mail bag (W2XAF).

6:45-7 p. m.—Backstage in Schenectady (W2XAF).

6:15 p. m.—Dusk below Helvellyn (GSB, GSC).

7 p. m.—English program (EAQ).

7 p. m.—Venezuelan music (VV2RC).

8:30 p. m.—Jesting songs (DJC).

8:30-9 p. m.—DX program (VV2RC).

9:15-10:30 p. m.—BERLIN PHILHARMONIC ORCHESTRA (DJC).

9:20 p. m.—Evening concert (HC2RL).

9:30 p. m.—This Is Paris (CJRO, CJRX).

WEDNESDAY, OCTOBER 23

5 a. m.—The Mail bag (VK2ME).

4:35 p. m.—Congo Landing (GSB, GSC).

4:35 p. m.—Trois, mandolins (GSB, GSC).

6:05 p. m.—Talk, Italy (2RO).

6:15 p. m.—Musical program (EAQ).

6:15 p. m.—Folklore concert (2RO).

6:30 p. m.—Friendly harmony (GSB, GSC).

7 p. m.—Comic tales (VV2RC).

7 p. m.—Light music (IMC).

7:15 p. m.—Miss Kayser, vocalist (VV2RC).

8:30 p. m.—Eta Harisch-Schneider (DJC).

8:30 p. m.—Musical comedies (VV2RC).

10 p. m.—A Countryman's Diary (GSB, GSC).

10:30 p. m.—Letter box (DJC).

THURSDAY, OCTOBER 24

3:30 a. m.—Army and Navy songs (GSB, GSD).

9:10 a. m.—Gaby Erhardt, vocalist (PHI).

10 a. m.—Royal marine band (GSF, GSC).

1:30 p. m.—Across the Bay (GSB, GSD, GSC).

2:15 p. m.—From the theater (GSB, GSD, GSC).

2:35 p. m.—Variets (GSB, GSD, GSC).

4:5 p. m.—Musical love story (GSB, GSC).

5:10 p. m.—Variety (DJC).

6 p. m.—Brass band (DJC).

6 p. m.—How's That (GSB, GSC).

7 p. m.—English program (EAQ).

7 p. m.—Description of London (GSB, GSC).

7:15 p. m.—String orchestra (VV2RC).

7:30 p. m.—Biographies (DJC).

7:45 p. m.—Julio de Seta, tenor (VV2RC).

8 p. m.—Theater of the Air (VV2RC).

8:30 p. m.—Songs to the Virgin (DJC).

8:30 p. m.—Songs (VV2RC).

8:45 p. m.—Old favorites (VV2RC).

9:10-15 p. m.—BAND CONCERT (VV2RC).

9:20 p. m.—Ecuadorian music (PRADO).

10 p. m.—Up to the minute (CJRO, CJRX).

10:05 p. m.—Gossip hour (GSC, GSL).

FRIDAY, OCTOBER 25

9:10 a. m.—Ensemble (PHI).

5:10 p. m.—Mother's program (DJC).

6:15 p. m.—SYMPHONY CONCERT (DJC).

6:05 p. m.—Replies to Radio Listeners (2RO).

6:15 p. m.—Musical program (EAQ).

6:15-7 p. m.—OPERA, NABUCCO (2RO).

6:45 p. m.—Talk, Revisited (GSB, GSC).

7:45 p. m.—RADIO FOLLIES (GSB, GSC).

7:10 p. m.—Cetra orchestra (2RO).

7:30 p. m.—Activities of German stations (DJC).

7:30 p. m.—Martin del Mann, crooner (VV2RC).

8 p. m.—Popular music (VV2RC).

8:45 p. m.—Male choir (DJC).

9 p. m.—Happy bunch (VV2RC).

9:15 p. m.—Variety concert (DJC).

10 p. m.—Light music (GSC, GSL).

SATURDAY, OCTOBER 26

3 a. m.—Waterfront (GSB, GSD).

8:40 a. m.—Trombones (PHI).

10:45 a. m.—Royal air force band (GSF, GSC).

1:15 p. m.—Agricultural Forum (EAQ).

1:30 p. m.—Sports talk (GSB, GSD, GSC).

2:25 p. m.—Saturday Magazine (GSB, GSD, GSC).

3:40-5 p. m.—International stars (GSB, GSD, GSC).

5:30 p. m.—League of Nations summary (PHI).

6 p. m.—Homeland evening (DJC).

6:30 p. m.—Dance music (GSB, GSC).

7 p. m.—English program (EAQ).

7 p. m.—RADIO FOLLIES PARTY (GSB, GSC).

7 p. m.—Venezuelan music (VV2RC).

7:30 p. m.—Venezuelan crooner (VV2RC).

7:30 p. m.—Club of nations (DJC).

8 p. m.—Operatic arias (VV2RC).

8:30 p. m.—Dance music (DJC).

8:30 p. m.—Horacio Lizardo and Jesus Pava singers (VV2RC).

10 p. m.—RADIO FOLLIES (GSC, GSL).

10:30 p. m.—Chas. Dornberger's Orch. (CJRO, CJRX).

Short Wave Programs

By Chas. A. Morrison

KEY TO FREQUENCIES

Megacycles, or thousands of kilocycles, shown.			
CJRX (Winnipeg, Canada)	11.72	LSX (Buenos Aires)	18.25
CJRG (Winnipeg, Canada)	6.15	PCJ (Hulsen, Holland)	15.25
DJC (Zeehan)	6.02	FHI (Hulsen, Holland)	11.73
DJD (Zeehan)	11.77	Penthouse	11.73
EAO (Madrid)	9.87	PRADO (Riobamba, Ecuador)	6.03
GSD (Daventry)	9.53	ZKO (Rome)	9.03
GSD (Daventry)	9.49	VK3ME (Sydney, Australia)	9.59
GSD (Daventry)	11.75	VH3LR (Melbourne, Australia)	9.58
GSD (Daventry)	11.86	VK3ME (Melbourne, Australia)	9.51
GSD (Daventry)	15.14	VUB (Bombay, India)	9.65
GSD (Daventry)	17.59	VUC (Bombay, India)	8.11
GSD (Daventry)	18.38	W2XAF (Schenectady)	9.53
GSD (Daventry)	6.11	VV2KC (Caracas, Venezuela)	8.59
HRL (Genova)	9.00		
KHF (Geneva)	7.80		
MCERL (Guayaquil, Ecuador)	6.68		
W3LADE (Cartagena, Colombia)	6.12		
W3LAHE (Medellin, Colombia)	6.52		

NEWS BROADCASTS

Daily—4 a. m., GSD, GSB; 7 a. m., VK3ME;
8 a. m., GSD, GSF; 10:55 a. m., VPC; 11:30
a. m., GSD, GSF; 1 p. m., GSD, GSD, GSC;
5 p. m., GSD, GSC; 5:15 p. m., EAQ; 7:20
p. m., Penthouse; 7:45 p. m., GSD, GSF; 8:15
p. m., HRC, IND; 10 p. m., CJRG, CJRX;
10:45 p. m., GSD, GSC.

Sunday, 9:30 a. m., PCJ.

Monday, Wednesday, Friday—11:15 a. m., VUB;
7:15 p. m., ZKO.

Tuesday, Thursday, Saturday—10:45 a. m., VUB.

Monday, Thursday, Friday, Saturday—9:30 a. m.,
FHI.

Daily except Sunday—5:30 a. m., VK3ME.

SUNDAY, OCTOBER 27

4:30-8:30 a. m.—Sunday programs (VK3ME).
9:40 a. m.—Roman Catholic program (CPUE).
10:45 a. m.—Feature series (GSD, GSD).
2:55 p. m.—Congregationalist service (GSB, GSD).
5:10 p. m.—The Story of Progress Tullian (DJC).
5:45 p. m.—Catalan program (EAQ).
6 p. m.—Congregationalist service (GSB, GSC).
6:15 p. m.—Our Sunday Concert (DJC).
6:45 p. m.—Sports Talk (GSB, GSC).
8:10-30 p. m.—DANCE CLINIC (VV2KC).
8:30 p. m.—Russian Folk Songs (DJC).
9:15 p. m.—Variety Programs (DJC).
10 p. m.—Talk: A Knock at the Door (GSC, GSD).
11 p. m.—Music and Law (CJRG, CJRX).

MONDAY, OCTOBER 28

6:35 a. m.—Ida Hirschman, pianist (PHI).
11 a. m.—Hungarian Gypsy Band (GSF, GSG).
2:15 p. m.—Ballad concert (GSB, GSD, GSD).
3:30 p. m.—The Art Deco Show (GSB, GSD, GSD).
5:10 p. m.—Fairy play (DJC).
6 p. m.—Music in the Home (DJC).
6:05 p. m.—Talk: the March Ordinaries (ZKO).
6:10 p. m.—Talk on Music (GSB, GSC).
6:15 p. m.—OPERA, La Vedova Seulza (ZKO).
6:15 p. m.—OPERA, Prince of Hamburg (DJC).
7 p. m.—Lighter at More Shabb (GSB, GSC).
7 p. m.—String orchestra (VV2KC).
7:10 p. m.—Vera Kremser, soprano (ZKO).
7:15 p. m.—World travellings (VV2KC).
8:30 p. m.—AMATEUR H.D. II (VV2KC).
8:30 p. m.—String quartet (DJC).
9 p. m.—Dance music (VV2KC).
9:15 p. m.—Musical robes (DJC).
10 p. m.—Dance music (GSC, GSD).
10:30 p. m.—DX PROGRAM (VV2KC).

TUESDAY, OCTOBER 29

3:45 a. m.—Variety program (GSB, GSD).
9:45 a. m.—Under the Big Top (GSF, GSC).
1:15 p. m.—Teenagers' Guards Band (GSB, GSD).
4:30 p. m.—Opera recital (GSB, GSC).
5:25 p. m.—Folk music (DJC).
6:15 p. m.—Radio opera (DJC).
6 p. m.—Kreiswille Damm, pianist (GSB, GSC).
6:30 p. m.—From the London Tower (GSB, GSC).
6:35-6:45 p. m.—Mad Hae (W2XAF).
6:45 p. m.—Barkstable in Schleswig-Holstein (W2XAF).
6:45 p. m.—BBC Empire orchestra (GSB, GSC).
7 p. m.—Program for American Spaniards (EAQ).
7 p. m.—Venezuelan music (VV2KC).
7:30 p. m.—Chamber orchestra (DJC).
8:30-9 p. m.—DX PROGRAM (VV2KC).
8:30 p. m.—Talk: Veterans Hospitals (DJC).
8:45 p. m.—Hildegard Schimannek, pianist (DJC).
9:15 p. m.—Military music (DJC).
9:20 p. m.—Evening concert (HIC2BL).
9:30 p. m.—This is Paris (CJRG, CJRX).
10 p. m.—Under Big Top, talk (GSC, GSD).

(Continued on Page 17)

On Short Waves

(Continued from Page 15)

- 6 p. m.—BBC Empire orchestra (GSB, GSC).
6:05 p. m.—Talk by H. E. Enrico Fermi (2RO).
6:15-7 p. m.—Royal Police Force band (2RO).
6:30 p. m.—Under Big Ben, talk (GSB, GSC).
6:45 p. m.—Musical program (EAQ).
7 p. m.—Orchestral concert (DJC).
7:05-7:45 p. m.—Turn Around (GSB, GSC).
7:10 p. m.—American doets (2RO).
7:15 p. m.—Miss Kayser, songs (YV2RC).
8:30 p. m.—Musical comedies (YV2RC).
8:30 p. m.—Folk songs (DJC).
9:15 p. m.—Chamber music (DJC).
10 p. m.—BBC Empire orchestra (GSC, GSL).
10:30 p. m.—Dance orchestra (CJRO, CJRX).
-

THURSDAY, OCTOBER 31

- 2:15 a. m.—Curbstone Memories (GSB, GSD).
3 a. m.—Poet's Corner (GSB, GSD).
9:05 a. m.—Marek Weber's orchestra (PHI).
10:15 a. m.—Royal Air Force band (GSF, GSG).
11 a. m.—Marmalade Mystery (GSF, GSG).
1:15 p. m.—Poet's Corner (GSB, GSD, GSI).
2 p. m.—Tunes of the Town (GSB, GSD, GSI).
2:30 p. m.—Piano recital (GSB, GSD, GSL).
5:25 p. m.—Songs by Schuhert (DJC).
6 p. m.—Talk (DJC).
6 p. m.—BBC Empire orchestra (GSB, GSC).
6:15 p. m.—On the Rhine (DJC).
6:55 p. m.—Poet's Corner (GSB, GSC).
7 p. m.—English program (EAQ).
7:15 p. m.—String orchestra (YV2RC).
7:30 p. m.—Brass band (DJC).
7:30 p. m.—Curbstone Memories (GSB, GSC).
7:45 p. m.—Julio de Seto, tenor (YV2RC).
8 p. m.—Theater of the Air (YV2RC).
8:30 p. m.—Songs and piano (YV2RC).
8:30 p. m.—Piano recital (DJC).
8:45 p. m.—Old favorites (YV2RC).

- 9:10:15 p. m.—Band concert (YV2RC).
9:20 p. m.—Ecuadorian music (PRADO).
10:05-10:45 p. m.—Turn Around (GSB, GSL).
-

FRIDAY, NOVEMBER 1

- 9 a. m.—Denis Gonet, tenor (PHI).
10:30 a. m.—Concert party (GSF, GSG).
5:05 p. m.—Woman's hour (DJC).
6 p. m.—SHORT WAVE BRIDGE TOURNA-
MENT (W2XAF, LSX).
6 p. m.—Variety (GSB, GSC).
6:15 p. m.—Light music (DJC).
6:30 p. m.—String ensemble (CJRO, CJRX).
7:15 p. m.—Army and Navy songs (GSB, GSC).
7:30 p. m.—Here's to the new Month (DJC).
7:30 p. m.—Martin de Llano, crooner (YV2RC).
8 p. m.—Popular music (YV2RC).
9 p. m.—The Happy Bunch (YV2RC).
9:15 p. m.—Musical Riddle hour (DJC).
10 p. m.—Chamber music (GSC, GSL).
-

SATURDAY, NOVEMBER 2

- 9 a. m.—Literature talk (PHI).
3:15 p. m.—Talk (GSB, GSD).
4:45 p. m.—Scottish songs (GSB, GSC).
5:30 p. m.—League of Nations Summary (HBL,
HBP).
6 p. m.—Bavarian folklore (DJC).
6 p. m.—Ambrose's orchestra (GSB, GSC).
6:45 p. m.—Talk (GSB, GSC).
7 p. m.—Book Week (DJC).
7 p. m.—Venezuelan music (YV2RC).
7:15 p. m.—Sound pictures (DJC).
7:30 p. m.—Piano recital (CJRO, CJRX).
7:30 p. m.—Svenegali, crooner (YV2RC).
7:30 p. m.—Light music (DJC).
8 p. m.—Operatic arias (YV2RC).
8:45 p. m.—Erich Haeneman, soloist (DJC).
10 p. m.—Concert entertainment (GSC, GSL).

On Short Waves

By Chas. A. Morrison

(Figures in Parentheses Denote Megacycles.)

MORE complete reports from Addis Ababa give us some additional information concerning short-wave transmission from Ethiopia.

The only short-wave station on the air in Ethiopia is the personal property of Emperor Haile Selassie, uses a power of two kilowatts and broadcasts under the calls ETA, ETB and ETC. ETA is on 7.62 megacycles, ETC is on 18.27 and ETB has been reported on 11.98 and 12.12 megs, respectively. Tom Taaffe, Jr., of Elmsford, New York, airmails that he is hearing ETB on 12.12 megs nearly every afternoon from 5 to 5:15 p. m. testing, in French and English.

NBC's attempt to contact Floyd Gibbons at 1 p. m. Wednesday, October 23, was a failure but CBS got through with a fine relay from Addis Ababa the same afternoon from 5 to 5:15 p. m. The broadcast was picked up on an approximate frequency of 11.98 megacycles, which may have been ETB. The station signed off at 5:15 p. m. without an announcement other than "All right, New York, take it away."

As predicted here some weeks ago, a new nation has begun short-wave broadcasting. The Chicago Short Wave Radio Club notifies us that short-wave station SPW, located at Babice, Poland, some six miles from Warsaw, is now on the air.

SPW first was heard on October 13, from 11:30 a. m. to 12:30 p. m., using a frequency of 13.63 megacycles. Announcements were made in Polish, German, French and English, by men and women announcers. Directional antennas used were beamed on Japan and South America.

Reports should be addressed to the Minister of Postes and Telegraph, No. 5, Warsaw, Poland.

GSA (6.05) has taken the place of GSB (9.51) on the BBC North American transmission from 6 to 8 p. m. GSC (9.58) also broadcasts this period with GSA.

Germany is being heard at present through the very excellent morning transmissions of DJB (15.21) from 10:30 to 11:30 a. m. each morning. DJB broadcasts a special North American period on Sunday from 12 noon to about 3 p. m.

KEY TO FREQUENCIES

Megacycles, or thousands of kilocycles, shown.			
CJRX (Winnipeg, Canada)	11.72	JVN (Nazaki, Japan)	10.66
CJRO (Winnipeg, Canada)	6.15	PCJ (Hulzen, Holland)	15.22
DJC (Zeesen)	6.02	PHI (Huizen, Holland)	11.73
DJD (Zeesen)	11.77	Pontoise	11.72
EAQ (Madrid)	9.87	PRADO (Riobamba, Ecuador)	6.62
GSA (Daventry)	6.05	2RO (Rome)	9.64
GSB (Daventry)	9.51	VK2ME (Sydney, Australia)	9.59
GSC (Daventry)	9.58	VK3LR (Melbourne, Australia)	9.58
GSD (Daventry)	11.75	VK3ME (Melbourne, Australia)	9.51
GSE (Daventry)	11.86	VUB (Bombay, India)	9.65
GSF (Daventry)	15.14	VUC (Bombay, India)	6.11
GSG (Daventry)	17.79	W2XAF (Schenectady)	9.53
GSI (Daventry)	15.26	YV2RC (Caracas, Venezuela)	5.80
GSL (Daventry)	6.11		
HBL (Geneva)	9.60		
HB9B (Bern, Switzerland)	14.23		
HBP (Geneva)	7.80		
HC2RL (Guayaquil, Ecuador)	6.66		
HJ1ABE (Cartagena, Colombia)	6.12		
HJ4ABE (Medellin, Colombia)	5.93		

(EST Shown; for CST Subtract One Hour.)

NEWS BROADCASTS

Daily—4 a. m.—GSD, GSB; 7 a. m., VK2ME; 8 a. m., GSG, GSF; 10:50 a. m., VUC; 11:30 a. m., GSG, GSF; 1 p. m., GSB, GSD, GSI; 5 p. m., GSB, GSC; 5:15 p. m., EAQ; 7:20 p. m., Pontoise; 7:45 p. m., GSA, GSC; 8:15 p. m., DJC, DJD; 10 p. m., CJRO, CJRX; 10:45 p. m., GSL, GSC.

Sunday and Saturday, 9:30 a. m., PCJ.

Monday, Wednesday, Friday—11:15 a. m., VUB; 7:15 p. m., 2RO.

Tuesday, Thursday, Saturday—10:45 a. m., VUB.

Monday, Thursday, Friday—9:30 a. m., PHI.

Daily except Sunday—5:50 a. m., VK3LR.

SUNDAY, NOVEMBER 3

4:30 a. m.—Sunday programs (VK2ME).
8:30 a. m.—Mandoliers (GSF, GSG).
8:30 a. m.—Rugby, Holland vs. Denmark (PCJ).
2:30 p. m.—Carolore (GSB, GSD).
4 p. m.—Talk, Revisited (GSB, GSC).
5:05 p. m.—Children's hour (DJC).
6 p. m.—Sunday evening program (DJC).
6 p. m.—Religious service (GSA, GSC).
7 p. m.—Musical program (EAQ).
7:30 p. m.—Music and poetry (DJC).
8 p. m.—BAND CONCERT (YV2RC).
8:15 p. m.—Brass band (DJC).
8:15 p. m.—Rose of Madrid (EAQ).
9:15 p. m.—Light music (DJC).
10 p. m.—Countryside music (GSC, GSL).
12 Mid.—Overseas hour (JVN).

MONDAY, NOVEMBER 4

2:15 a. m.—Lou Prager's band (GSB, GSD).
8:30 a. m.—Mandoliers (GSF, GSG).
9:50 a. m.—Literary talk (PHI).
11:10 a. m.—Hungarian Gypsy band (GSF, GSE).
2:15 p. m.—RADIO FOLLIES (GSB, GSD).
3:10 p. m.—Special program (HB9B).
5:05 p. m.—Sea songs (DJC).
6 p. m.—Opera, Aida (2RO).
6 p. m.—Dance music (GSA, GSC).
6-7 p. m.—Special program (HBL, HBP, HB9B).

(Continued on Page 23)

On Short Waves

(Continued from Page 21)

6:10 p. m.—Talk on music (GSA, GSC).
6:15 p. m.—Variety (DJC).
7:30 p. m.—Chamber orchestra (DJC).
7:35 p. m.—Opera, *Marina* (EAQ).
8 p. m.—AMATEUR HOUR (YV2RC).
8:30 p. m.—Equinoxials (DJC).
9 p. m.—Dance music (YV2RC).
10:20 p. m.—Musical fireworks (GSC, GSL).
10:30 p. m.—DX PROGRAM (IJ1ABE).
10:30 p. m.—Talk, South America (IJ4ABE).
12 Mid.—Overseas hour (JVN).

TUESDAY, NOVEMBER 5

6:30 a. m.—Birds-eye view (GSB, GSG).
12:15 p. m.—Gypsy orchestra (GSB, GSD).
4:15 p. m.—Military band (GSB, GSC).
6 p. m.—Popular ballads (GSA, GSC).
6 p. m.—Merry Competition (DJC).
6:35 p. m.—The Mailbag (W2XAF).
6:45 p. m.—Talk, New Hebrides (GSA, GSC).
6:45 p. m.—Backstage in Schenectady (W2XAF).
7 p. m.—English program (EAQ).
7 p. m.—Venezuelan music (YV2RC).
7:15 p. m.—Today in Germany (DJC).
7:30 p. m.—Request program (DJC).
8:15 p. m.—Opera, *Luisa Fernanda* (EAQ).
8:30 p. m.—Violin recital (DJC).
8:30 p. m.—DX program (YV2RC).
9:20 p. m.—Evening concert (IIC2RL).
10 p. m.—Edward German program (GSB, GSL).
12 Mid.—Overseas broadcast (JVN).

WEDNESDAY, NOVEMBER 6

6 a. m.—The Mailbag (VK3ME).
2:30 p. m.—Paderewski recital (GSB, GSD).
4:40 p. m.—Cockney Sing-Song (GSB, GSC).
6 p. m.—War talk (2RO).
6 p. m.—The Vampire, play (DJC).
6 p. m.—Hunting program (GSA, GSC).

Bulls and Boners

ANNOUNCER: "Of course everybody couldn't win a prize, and for those who didn't we offer our sincere thanks."—I. S. Young, New Britain, Conn. (October 14; WTIC; 3:45 p. m.)

MR. READER (Telling of Italy's capture of Aduwa): "Rome went wild with joy. Most of the jubilation was due to the fact that about 6,000 Italians were slaughtered there in 1896."—Else Gold Isaacs, Far Rockaway, N. Y. (October 7; WINS; 7:50 a. m.)

GRAHAM McNAMEE (Army-Harvard Broadcast): "Wowie, another first down for Yale!"—Art Stringer, Evanston, Ill. (October 19; NBC; 1:30 p. m.).

ROY TEW: "We have just concluded the Unfinished Symphony."—C. R. Cam-

7 p. m.—English program (EAQ).
7:15 p. m.—Today in Germany (DJC).
7:45 p. m.—Confessions (DJC).
8 p. m.—Folk tunes (DJC).
8:15 p. m.—Opera, *La Corte de Faraon* (EAQ).
8:30 p. m.—Musical comedies (YV2RC).
10:30 p. m.—Letter box (DJC).
12 Mid.—Overseas broadcast (JVN).

THURSDAY, NOVEMBER 7

8:55 a. m.—Hague Residential orchestra (PHI).
12:15 p. m.—Balalaika orch. (GSB, GSD, GSI).
2:40 p. m.—Opera, Boris Godunof (GSB, GSD).
6:7:15 p. m.—THE BROKEN JUG (DJC).
6:15 p. m.—Looking backward (GSA, GSC).
7 p. m.—English program (EAQ).
7:15 p. m.—Today in Germany (DJC).
7:15 p. m.—String orchestra (YV2RC).
7:45 p. m.—Julio de Seto, tenor (YV2RC).
8 p. m.—Theater of the Air (YV2RC).
8:30 p. m.—Songs (YV2RC).
8:30 p. m.—Piano recital (DJC).
8:45 p. m.—Old favorites (YV2RC).
9 p. m.—BAND CONCERT (YV2RC).
9:20 p. m.—Ecuadorian program (PRADO).
10 p. m.—Looking backward (GSC, GSL).
12 Mid.—Overseas broadcast (JVN).

FRIDAY, NOVEMBER 8

8:45 a. m.—Dutch Airports, talk (PHI).
11 a. m.—Short story (GSF, GSE).
2:15 p. m.—Reading from Dickens (GSB, GSD).
3:30 p. m.—Variety program (GSB, GSD).
5:05 p. m.—Woman's hour (DJC).
6 p. m.—Symphony concert (DJC).
6 p. m.—Dance music (GSA, GSC).
6 p. m.—Opera, *Madam Sans Gene* (2RO).
6:15 p. m.—Sentimental Interlude (GSA, GSC).
7 p. m.—Birds-eye view (GSA, GSC).
7 p. m.—English program (EAQ).
7:15 p. m.—Today in Germany (DJC).
7:15 p. m.—Variety program (GSA, GSC).
7:30 p. m.—Martin del Llano, crooner (YV2RC).
7:30 p. m.—Cradle songs (DJC).
8 p. m.—Popular music (YV2RC).
8:30 p. m.—Rokoko music (DJC).
9 p. m.—Happy Bunch (YV2RC).
10 p. m.—A Countryman's Diary (GSC, GSL).
12 Mid.—Overseas broadcast (JVN).

SATURDAY, NOVEMBER 9

9:25 a. m.—Troubadours (PCJ).
2 p. m.—Saturday Magazine (GSB, GSD).
3 p. m.—Humorous reading (GSB, GSD).
3:10 p. m.—Lord Mayor's Banquet (GSB, GSD).
5:05 p. m.—Hitler youth festivities (DJC).
5:30 p. m.—League of Nations Report (HBL).
6 p. m.—Military concert (DJC).
6 p. m.—Orchestra (GSA, GSC).
6:45 p. m.—A Countryman's Diary (GSA, GSC).
7 p. m.—English program (EAQ).
7 p. m.—Venezuelan music (YV2RC).
7:15 p. m.—Lord Mayor's banquet (GSA, GSC).
7:15 p. m.—Today in Germany (DJC).
7:30 p. m.—Chamber music (DJC).
7:30 p. m.—Svengali, crooner (YV2RC).
8 p. m.—Operatic arias (YV2RC).
8:45 p. m.—Piano music (DJC).
9:15 p. m.—Dance music (DJC).
10 p. m.—Hunting program (GSC, GSL).
12 Mid.—Overseas broadcast (JVN).

On Short Waves

KEY TO FREQUENCIES

(Megacycles, or thousands of kilocycles shown)

IRO (Rome)	9.61	JVN (Nankai, Japan)	10.08
CJRX (Winnipeg, Canada)	11.71	PGF (Huisen, Holland)	15.28
CFRO (Winnipeg, Canada)	8.18	FHI (Hilversum, Holland)	11.78
COR (Havana)	9.43	Pontaise	11.79
FYA (Paris)	13.71	PRADO (Kisabaka, Ecuador)	6.62
DJB (Zurich)	16.20	VERSON (Drummondville, Quebec)	6.30
DJC (Zurich)	8.02	VKEME (Sydney, Australia)	9.39
EAG (Madrid)	9.87	VKEBL (Melbourne, Australia)	9.38
GSA (Daventry)	6.03	VKEME (Melbourne, Australia)	9.31
GSD (Daventry)	9.81	VUB (Bombay, India)	8.48
GSC (Daventry)	9.51	WFO (Bombay, India)	6.11
GSD (Daventry)	11.78	WZKAF (Schwerin, Germany)	9.33
GSE (Daventry)	11.86	XECM (Mexico City)	7.34
GSE (Daventry)	15.14	YV2EC (Caracas, Venezuela)	6.80

EST Shows; For CST Subtract One Hour

SUNDAY, NOVEMBER 10

8:30 a. m.—Catholic service (YV2HC).
9:10 a. m.—Services (GSC, GSL).
9:30 a. m.—Baseball game (YV2RC).
9:40 a. m.—Eastern Religions, talk (PCJ).
10:30 a. m.—American program (DJC).
12 noon—Sunday broadcast (DJB).
2:15 p. m.—Horse races (YV2RC).
2:55 p. m.—Services (GSC, GSD).
4 p. m.—Life of Verdi (GSC, GSC).
6 p. m.—Services (GSA, GSC).
6 p. m.—Police band (XECM).
6:15 p. m.—Sunday concert (DJC).
7 p. m.—English program (EAQ).
7:05 p. m.—Bernard Crook quartet (GSA, GSC).
7:30 p. m.—Evening Holiday (DJC).
8 p. m.—Spanish orchestra (COH).
8 p. m.—BAND CONCERT (YV2RC).
8:30 p. m.—Moods (DJC).
9:15 p. m.—Brass band (DJC).
10 p. m.—Armistice Day program (GSC, GSL).
12 mid.—Overseas Hour (YVN).

MONDAY, NOVEMBER 11

4:30 p. m.—Captain Scott, epic (GSC, GSC).
6 p. m.—Peasant Liberty, talk (DJC).
6 p. m.—Catalan program (EAQ).
6:05 p. m.—Talk (ZB01).
6:15 p. m.—Opera, Madame Sans Gene (ZB01).
6:15 p. m.—Talk on music (GSA, GSC).
6:15 p. m.—Opera music (DJC).
6:30 p. m.—Centaur services (GSA, GSC).
7 p. m.—Bliss band (YV2RC).
7:15 p. m.—Old Italian arias (ZB01).
7:15 p. m.—Today in Germany (DJC).
7:30 p. m.—Variety concert (DJC).
7:45 p. m.—Tovar Brothers, duet (YV2RC).
8 p. m.—Sergei Codet's orchestra (YV2RC).
8:30 p. m.—In a German Vineyard (DJC).
8:30 p. m.—AMATEUR HOUR (YV2RC).
10 p. m.—British Legion program (GSC, GSL).
10:30 p. m.—DX PROGRAM (HJ4ABE).
10:30 p. m.—Talk, South America (HJ4ABE).
12 mid.—Overseas Hour (YVN).

TUESDAY, NOVEMBER 12

10:30 a. m.—American Hour (DJB).
3 p. m.—NOVEMBER COCKTAIL (GSC, GSD).
5:20 p. m.—Viola music (DJC).
6 p. m.—A DeGollis (GSA, GSC).
6:30 p. m.—Under the Ben (GNA, GSC).
6:35 p. m.—The Nail Bag (WZKAF).
6:45 p. m.—Back-toys in Schenectady (WZKAF).
6:45 p. m.—Orchestra (GSA, GSC).
7 p. m.—English program (EAQ).
7 p. m.—Venezuelan music (YV2RC).
7:30 p. m.—Berlin Chamber orchestra (DJC).
8 p. m.—Lecture on opera (EAQ).
8:30 p. m.—Special program (YV2RC).
8:30 p. m.—Variety program (DJC).
9:15 p. m.—Dance music (DJC).
9:20 p. m.—Evening concert (YV2RC).
10 p. m.—Under the Ben (GSC, GSL).
10:15 p. m.—Organ music (GSC, GSL).
10:30 p. m.—Talk, South America (HJ4ABE).
12 mid.—Overseas Hour (YVN).

WEDNESDAY, NOVEMBER 13

10:45 a. m.—Shakespearian stories (GSC, GSC).
11:15 p. m.—Instrumentalists (GSC, GSD, GSD).
5:30 p. m.—Play (GSC, GSC).
6 p. m.—Swallow Nightingale, jazz (DJC).
6:05 p. m.—Talk on slavery (ZB01).
6:15 p. m.—Organ concert (ZB01).
6:30 p. m.—I Knew a Man (GSA, GSC).
7 p. m.—English program (EAQ).
7:15 p. m.—Miss Kayser, songs (YV2RC).
7:30 p. m.—Radio valaret (DJC).
7:30 p. m.—Maria del Llano, crooner (YV2RC).
8:30 p. m.—Dance music (DJC).
10:15 p. m.—Ben's eye view (GSC, GSL).
10:30 p. m.—Talk on South America (HJ4ABE).
12 mid.—Overseas Hour (YVN).

THURSDAY, NOVEMBER 14

8:45 a. m.—Orchestra (PHD).
9:45 a. m.—Books to read (GSC, GSC).
10:30 a. m.—American Hour (DJB).
11 a. m.—The Devil's Barama (GSC, GSC).
1:30 p. m.—Sandy Powell (GSC, GSD).
2:30 p. m.—Halle concert (GSC, GSC, GSD).
4:40 p. m.—Variety feature (GSC, GSC).
5:05 p. m.—Wedding bells (DJC).

6 p. m.—Germanic Museum (DJC).
6:15 p. m.—Symphony concert (DJC).
6:45 p. m.—Bird's-eye view (GSC, GSC).
7 p. m.—English program (EAQ).
7 p. m.—Friendly harmony (GSC, GSC).
7:30 p. m.—Reading from Dickens (GSC, GSC).
7:30 p. m.—In the Good Old Days (DJC).
7:30 p. m.—Rosario Lozada, zettes (YV2RC).
7:45 p. m.—Winning amateurs (YV2RC).
8:30 p. m.—Folk music (DJC).
8:45 p. m.—Popular music (DJC).
9 p. m.—Band concert (YV2RC).
9:15 p. m.—Light music (DJC).
9:20 p. m.—Ecuadorian music (PRADO).
10 p. m.—French stock market (FYA).
10 p. m.—Variety (GSC, GSL).
10:30 p. m.—Talk: South America (HJ4ABE).
12 mid.—Overseas Hour (YVN).

FRIDAY, NOVEMBER 15

3:15 p. m.—Ballet music (GSC, GSD).
6 p. m.—Berlin Philharmonic orchestra (DJC).
6 p. m.—Scenes from Shakespeare (GSC, GSA).
6:15 p. m.—Opera, MEDUSA (ZB01).
6:30 p. m.—Organ recital (GSA, GSC).
7 p. m.—English program (EAQ).
7:30 p. m.—Music and poetry (DJC).
7:30 p. m.—Julia de Soto, tessar (YV2RC).
8 p. m.—Cuban music (COH).
8:15 p. m.—Orchestra (DJC).
8:30 p. m.—Light music (DJC).
9 p. m.—The Happy Bunch (YV2RC).
10 p. m.—Irish songs (GSC, GSL).
10:30 p. m.—Talk: South America (HJ4ABE).
12 mid.—Overseas Hour (YVN).

SATURDAY, NOVEMBER 16

12 noon—European program (EAQ).
2 p. m.—Saturday Magazine (GSC, GSD).
5:05 p. m.—Tales of a Salt (DJC).
5:30 p. m.—League of Nations summary (HBL, HBP).
6 p. m.—Ambrose's orchestra (GSC, GSA).
6 p. m.—Dance music (DJC).
7 p. m.—English program (EAQ).
7 p. m.—Military band (GSC, GSA).
7 p. m.—Venezuelan music (YV2RC).
7:30 p. m.—Svenski, crooner (YV2RC).
8:30 p. m.—Franz Wolf, vocalist (DJC).
8:30 p. m.—Soloists (YV2RC).
9:15 p. m.—Orchestra (DJC).
10 p. m.—Orchestra (GSC, GSL).
11:30 p. m.—Northern Messenger (VERON, CJRO).
12 mid.—Overseas Hour (YVN).

The NEW WAY TO KEEP BEER FRESH

No more stale, flat beer from an old-fashioned pitcher or bottle. Get with the exciting EIHLEN-ILER Handy Dispenser. Keeps beer just being served from the tap or keg fresh and tasty—just as it comes from the barrel or bottle, and serves it as a bar would—under pressure. Easy to operate. Simply fill the gallon glass jar, attach the E-I dispenser and squeeze rubber bulb a few times to introduce air pressure. Fresh, foaming beer can now be drawn by simply pressing down on a button.

What kinds of beer may be kept at tables or in temperature-absorbing refrigerators? Safety valve prevents breaking through pressure. Please note: E-I Dispenser is made of heavy, impact-resistant plastic, with a special gasket and a lifetime guarantee. SEND NO MONEY. We will gladly send you FREE E-I Dispenser inc \$1.50 plus postage and C.O.D. and we will PAY POSTAGE on dispensor to your address. To receive the conditions with the order you save the postage charges. Order your E-I Dispenser today.



THE EIHLEN-ILER MFG. CO.,
South Wyandot St., D-10, Dayton, Ohio

STAMP COLLECTING

Be a stamp collector and participate in the most interesting, educational and educational of all pastimes. The British Souvenir, Star Pictures, Highly Illustrated, International, Advertising, Political, Patriotic, Commemorative, Souvenir, Standard, Specialized, Standardized, Collectors' Editions, Encyclopedia Editions, and other illustrations. "Stamp Lovers" will be pleased to receive your inquiries. Order today. GIANTS STAMP CO., 238-40 Ave. Third, 117, New York, N.Y.

FEMALE HELP WANTED

Earn Extra Money Home Spare Time—ADDRESS ENVELOPE
In Reading Work, 100% Success.
Many other kinds of work offered.
Send 25 cents for full 1000-page
catalogue details.

WOMEN'S AID BUREAU,
Dept. R.G., 216 High St., Hilo, Hawaii.

\$50.00 to
\$100.00 a
month

ON SHORT WAVES

KEY TO FREQUENCIES

(Megacycles, or thousands of kilocycles shown.)	
ZRO (Rome)	9.64
CJRX (Winnipeg, Canada)	11.72
CJRO (Winnipeg, Canada)	6.15
FYA (Paris)	11.71
IMB (Zeven)	15.20
DJC (Zeven)	6.03
EAQ (Madrid)	9.87
GSA (Daventry)	6.05
GSE (Daventry)	9.51
GSC (Daventry)	9.58
GSD (Daventry)	11.75
GSE (Daventry)	11.86
GST (Daventry)	15.14
GFG (Daventry)	17.72
GSI (Daventry)	15.26
GSL (Daventry)	0.11
HRL (Geneva)	9.60
HRP (Geneva)	7.50
HC2RL (Guayaquil, Ecuador)	6.66
HJ1ARE (Cartagena, Colombia)	6.12
HJ4ADE (Medellin, Colombia)	5.93
JVM (Narashiki, Japan)	10.74
JVN (Narashiki, Japan)	10.66
JVP (Narashiki, Japan)	7.81
PCJ (Huizen, Holland)	15.22
PHI (Huizen, Holland)	11.73
Penteche (France)	11.73
PRADO (Riobamba, Ecuador)	6.62
RNE (Moscow)	12.00
VLCODN (Drummondville, Quebec)	6.00
VK2ME (Sydney, Australia)	9.59
VK3LR (Melbourne, Australia)	9.58
VK3ME (Melbourne, Australia)	9.51
VUB (Bombay, India)	0.65
VUC (Bombay, India)	6.11
W2XAT (Schenectady)	9.53
XEFT (Vera Cruz)	6.12
YV2EC (Caracas, Venezuela)	5.80

NEWS BROADCASTS

Daily—4:45 a. m., GSD, GSII; 7 a. m., VK2ME; 8 a. m., GSG, GSF; 10:50 a. m., VUC; 11:30 a. m., GSB, GSE; 1 p. m., GSB, GSD, GSII; 5 p. m., GSB, GSC; 5:15 p. m., EAQ; 6 p. m., ZRO; 7:20 p. m., Penteche; 7:45 p. m., GSA, GSC; 8:15 p. m., DJC, D1D; 10 p. m., CJRO, CJRX.

Sunday—9:30 a. m., PCJ.

Monday, Wednesday, Friday—11:15 a. m., VUB; 7:15 p. m., 2110.

Tuesday, Thursday, Saturday—10:45 a. m., VUB; Monday, Thursday, Friday, Saturday—9:30 a. m., PHI.

Daily except Sunday—5:50 a. m., VK3LR.

SUNDAY, NOVEMBER 17

4:30 a. m.—Sunday program (VK2ME).
 8:30 a. m.—Catholic service (YV2EC).
 9:30 a. m.—Baseball game (YV2EC).
 9:40 a. m.—Human Catholic program (PCJ).
 10:30 a. m.—American hour (DJB).
 11:30 a. m.—Opera (HNC).
 12 noon—Special program (DJB).
 12:30 p. m.—Military band (GSB, GSD, GSI).
 1:35 p. m.—Largo orchestra (GSB, GSD, GSI).
 4 p. m.—Talk, Revisited (GSA, GSC).
 5 p. m.—Vesper hour (CJRO, CJRX).
 5:05 p. m.—Seven Little Goats (DJC).
 6 p. m.—Sunday evening program (DJC).
 6 p. m.—Catholic service (GSA, GSC).
 6:15 p. m.—Sunday concert (DJC).
 6:50 p. m.—Books to read (GSA, GSC).
 7 p. m.—Musical program (EAQ).
 7:30 p. m.—Torrelenguister (HNC).
 8 p. m.—Band concert (YV2EC).
 9:15 p. m.—Military concert (DJC).
 10 p. m.—Baptist service (GSA, GSC).
 12 mid.—Overcast hour (JVN).

MONDAY, NOVEMBER 18

7:30 a. m.—Ocean recital (GSE, GSG).
 8:35 a. m.—Constant Moerami, violinist (PHI).
 2:30 p. m.—Balalaika orch. (GSB, GSD, GSI).
 5:05 p. m.—Curts of Olden Times (DJC).
 6 p. m.—Working for Progress (HNC).
 6 p. m.—Catalan program (EAQ).
 6 p. m.—Harp recital (GSA, GSC).
 6:05 p. m.—Luciano Fiduccia, humorist (ZRO).
 6:10 p. m.—Talk on music (GSA, GSC).
 6:15 p. m.—Opera (HNC).
 6:15 p. m.—Il Fratello Carezzatore (ZRO).
 6:30 p. m.—BBC Empire orchestra (GSA, GSC).
 7 p. m.—The White Band (YV2EC).
 7:15 p. m.—Tally in Germany (DJC).
 7:15 p. m.—Man in the Street (GSA, GSC).
 7:20 p. m.—Aix Martini, soprano (ZRO).
 7:30 p. m.—Brass Band (HNC).
 7:45 p. m.—Tevar brothers (YV2EC).
 8 p. m.—Sergio Codru's orchestra (YV2EC).
 8:30 p. m.—Piano trio (DJC).
 8:30 p. m.—Amateur hour (YV2EC).

(Continued on Page 25)

On Short Waves

(Continued from Page 23)

9:30 p. m.—This Is Paris (CJHO, CJRX).
10 p. m.—Shakespeare in scenes (GSC, GSL).
10 p. m.—Stock reports (FTA).
10:30 p. m.—Talk, South America (HJ4ABE).
11:10 p. m.—DX program (HJ4ABE).
12 mid.—Overseas hour (JVX).

TUESDAY, NOVEMBER 19

4:15 a. m.—Bats in the Belfry (GSB, GSD).
6:30 a. m.—Edinburgh Castle (GSC, GSL).
10:30 a. m.—American hour (DJB).
12:15 p. m.—Tipica orchestra (GSB, GSD, GSI).
4 p. m.—Meet Mickey Mouse (GSH, GSC).
6 p. m.—Humour (DJC).
6 p. m.—Guy Daines' orchestra (GSA, GSC).
6:35 p. m.—The Mail Bag (W2XAF).
6:45 p. m.—Backstage in Schenectady (W2XAF).
6:55 p. m.—Talk, I Knew a Man (GSA, GSC).
7 p. m.—English program (EAQ).
7 p. m.—Venezuelan music (YV2HC).
7:15 p. m.—Bats in the Belfry (GSA, GSC).
7:15 p. m.—Today in Germany (DJC).

7:30 p. m.—Dance music (DJC).
8 p. m.—Lecture on opera (EAQ).
8:30 p. m.—Tropical love songs (DJC).
8:30 p. m.—DX program (YV2RC).
9:15 p. m.—Light music (DJC).
9:20 p. m.—Evening concert (HJC2RL).
10 p. m.—Canterbury Cathedral (GSC, GSL).
10:15 p. m.—Song Cycle (GSC, GSL).
10:30 p. m.—Talk, South America (HJ4ABE).
12 mid.—Overseas hour (JVX).

WEDNESDAY, NOVEMBER 20

6 a. m.—Mail Bag (V1C3ME).
10:30 a. m.—American hour (DJB).
2:10 p. m.—London Theater (GSB, GSD, GSL).
3:15 p. m.—Short story (GSB, GSD, GSL).
5:30 p. m.—Scottish music (GSB, GSC).
6 p. m.—Beethoven evening (DJC).
6:05 p. m.—Talk, Land Herkomm (2RO).
6:15 p. m.—Folklore evening (2RO).
6:30 p. m.—Welsh, English songs (GSA, GSC).
7 p. m.—English program (EAQ).
7 p. m.—Edinburgh Castle (GSA, GSC).

Saturday, Nov. 23 Continued

MBS—Veloz & Yolanda's Orch.: WGN WSAI

WCPO—Sunset Royal Entertainers

WL—Hoosier Hot Shots; Grace Wilson

WWVA—Sunday School Lesson

8:30 p.m. EST 7:30 CST

CBS—Musical Guest; Ray Block's Orch.; Jerry Cooper, Sally Singer; Soloist: WABC WWVA (aw 6:12-6:06)

CHS—Maurice Schaefer's Ensemble: WKRC KMON

WBPO—Schroeder

WBPO—Ray Noble's Music

WGN—The Dance Orchestra

WHAS—Louisville Hour

WLS—Barn Dance Party

WSAI—Carefree Capers

WSM—Jack's Mountaineers

8:45 p.m. EST 7:45 CST

CHS—Seymour Simon's Orch.: WHBC WBBM KMON

WSM—Delmore Brothers

9:00 p.m. EST 8:00 CST

★ NBC—Rubinoff & His Violin:

Virginia Lee, soprano; Jan Peerce, tenor; Graham McNamee; WEAF WTAM WLW

WGY WAVE (aw 9:53)

★ CBS—Nino Martini, tenor;

Andre Kostelanetz' Orch. &

Chorus; WABC WHAS KMON

WKRC WBBM (aw 6:12-6:06)

NBC—To be announced; (aw 6:14)

News: WSAI WWVA

WBPO—Dance Parade

WGN—News; Sports

WLS—Barn Dance Jamboree

WSM—Possum Hunters, Uncle Dave Macon

9:15 p.m. EST 8:15 CST

NBC—Russian Symphonie Chor:

WJZ WHAM WCKY KDKA

6:14

WGN—Kavelin's Orchestra

WSAI—Concert Hall of Air

WSM—Gally Jumpers

WWVA—Air Castle

9:30 p.m. EST 8:30 CST

★ NBC—The Chateau; Wallace

Berry, m.c.; Victor Young's

Oreh.; WLAf WTAM WGY

WLW (aw 9:53)

KDKA—Dance Orchestra

WGBF—Dance Orchestra

WGN—Anson Weeks' Orchestra

WLS—Barn Dance Roundup

WSM—Robert Larson

11:45 p.m. EST 10:45 CST

KDKA—To be announced

KMON—Johnny Burkhardt's Orches.

WGBF—Dance Music

WGN—Jan Garber's Orchestra

WSM—Sid Harkrader; Deford Bailey

WTAM—Hal Goodman's Orch.

12:00 Mid ES 11:00 p.m. CS

NBC—Kay Kyser's Orchestra

WEAF WGY WAVE WCKY

CHS—Herbie Kay's orchestra

WABC KMON WKRC WSMK

WBBM

★ NBC—Carefree Carnival: WJZ

WSM

KDKA—Messages to Far North

WGBF—Dance Orchestra

WHAM—Steers Hall's Orch.

WHAS—Rudy Burday's Orchestra

WLS—Barn Dance

WLW—Ave Bragado's Orch.

WJAM—Dick Didder's Orchestra

12:15 a.m. ES 11:15 p.m. CS

WGBF—Dance Orchestra

WGN—Veloz & Yolanda's Orch.

WLW—Bob Chester's Orch.

WSM—Crack Brothers Band

12:30 a.m. ES 11:30 p.m. CS

NBC—Al Lyon's Orch.: WEAF

WGY WAVE WCKY

NBC Tommy Tucker's Orch.

WJZ KDKA (aw 6:14)

CBS—Sterling Young's Orch. +

WABC WKRC WHAS KMON

WBBM

KDKA—Dance Orchestra

WGBF—Dance Orchestra

WGN—Horace Heidt's Orchestra

WLW—Moon River, organ &

poems

WSM—Delmore Brothers

WTAM—Sammy Kaye's Orch.

WWVA—Vivian Miller, organ in-

terlude

12:45 a.m. ES 11:45 p.m. CS

WGBF—Dance Orchestra

WGN—Joe Sanders' Orchestra

WSM—Sam and Kirk McGee;

Fruit Jar Drinkers

WSMK—Sterling Young's Orch.

(CBS)

7:15 p. m.—Today in Germany (DJC).

7:15 p. m.—Riddle (GSA, GSL).

7:15 p. m.—Ornelia Santoliquido, pianist (2RO).

7:15 p. m.—Miss Kayser, songs (YV2HC).

7:30 p. m.—Martin del Llano, crooner (YV2RC).

7:30 p. m.—Folk music (DJC).

8:30 p. m.—Folk songs (DJC).

9:15 p. m.—Orchestral concert (DJC).

10 p. m.—A Countryman's Diary (GSC, GSL).

10:15 p. m.—Bats in the Belfry (GSC, GSL).

10:30 p. m.—Letter box (DJC).

10:30 p. m.—Talk, South America (HJ4ABE).

11:30 p. m.—DX program (NEFT).

12 mid.—Overseas hour (JVX).

THURSDAY, NOVEMBER 21

6:45 a. m.—David Copperfield (GSC, GSL).

9:45 a. m.—Alfredo Casapoli's orchestra (PHI).

10 a. m.—Marine band (GSE, GSF).

10:30 a. m.—American hour (DJB).

2:30 p. m.—1911 scrapbook (GSB, GSD).

4 p. m.—Overseas hour (JVP, JVME).

5:05 p. m.—Ringel, Ringel, Rosenkranz (DJC).

6 p. m.—Lahti and Shale (GSA, GSC).

6:15 p. m.—Gramophone Imp (DJC).

6:30 p. m.—Popular Tunes (DJC).

7 p. m.—English program (EAQ).

7:15 p. m.—Today in Germany (DJC).

7:15 p. m.—Organ recital (GSA, GSL).

7:30 p. m.—Foreign Lands (DJC).

7:35 p. m.—Carlos Arieta, pianist (EAQ).

7:45 p. m.—Amateur hour (YV2HC).

8:30 p. m.—Violin, piano recital (DJC).

9 p. m.—For You, Madame (CJHO, CJRX).

9 p. m.—Band concert (YV2HC).

9:15 p. m.—Variety concert (DJC).

9:20 p. m.—Ecuadorian music (PHI).

10 p. m.—BBC Empire orchestra (GSC, GSL).

10:30 p. m.—Request program (FTA).

10:30 p. m.—Talk, South America (YV2RC).

12 mid.—Overseas hour (JVX).

FRIDAY, NOVEMBER 22

10:15 a. m.—Trio (PHI).

10:30 a. m.—American hour (DJB).

1:30 p. m.—Organ music (GSB, GSD, GSL).

2 p. m.—Stanelli's steer party (GSA, GSL).

2:45 p. m.—Helfast Philharmonic (GSB, GSD).

6 p. m.—Singing for everybody (DJC).

6 p. m.—BBC Empire orchestra (GSA, GSC).

6:05 p. m.—Tafan Fed. Business Women (2RO).

6:15 p. m.—Opera, Drakula (2RO).

7 p. m.—English program (EAQ).

7 p. m.—A Countryman's Diary (GSA, GSL).

7:15 p. m.—Organ music (GSA, GSL).

7:15 p. m.—Today in Germany (DJC).

7:15 p. m.—Oncilia Santoliquido, pianist (2RO).

7:30 p. m.—New screen and play hits (DJC).

7:30 p. m.—Jinho de Soto, tenor (YV2HC).

9:15 p. m.—Chamber music (DJC).

10 p. m.—David Copperfield (GSC, GSL).

10:30 p. m.—Talk, South America (HJ4ABE).

12 mid.—Overseas hour (JVX).

SATURDAY, NOVEMBER 23

9:20 a. m.—Scotland vs. New Zealand, rugby football (GSC, GSL).

10:30 a. m.—American hour (DJB).

11:45 a. m.—Antoine's orchestra (GSB, GSE).

12 noon—European program (EAQ).

5:05 p. m.—Trio in G Major (DJC).

5:30 p. m.—War discussion (HBI, HBP).

6 p. m.—A Requiem (DJC).

6 p. m.—Dance orchestra (GSA, GSL).

6:40 p. m.—Scotland vs. New Zealand, rugby football (GSA, GSL).

7 p. m.—Venezuelan music (YV2RC).

7:15 p. m.—Today in Germany (HJF).

7:30 p. m.—Sengai, crooner (YV2RC).

9:15 p. m.—Berlin Philharmonic (DJC).

10:30 p. m.—Talk, South America (HJ4ABE).

11:30 p. m.—Northern Messenger (CJHO, VESDN).

12 mid.—Overseas hour (JVX).

ON SHORT WAVES

By Chas. A. Morrison

(Figures in Parentheses Denote Megacycles, or Thousands of Kilocycles.)

EST Shown; For CST Subtract One Hour

SHORT-WAVE listeners throughout the world accompanied an intrepid group of scientists on one of the most thrilling trips ever taken in the interests of science, the stratosphere ascent of the U. S. Army balloon last Monday, November 11. Almost the entire story of the ascent was relayed by means of the short-wave transmitter inside the gondola, and could be picked up on any short-wave receiver.

Short-wave stations relaying the ascent story were W9XF and W3XI, two NBC stations, W10XF, a ground station at Rapid City, North Dakota, from where the ascent was staged, and W10XIII, the transmitter in the gondola of the balloon. W10XI operated on 6.35 megacycles, and W10XIII used 13.05 megs, with a power of eight watts. Through these stations a much more complete report of the flight was transmitted than was relayed to the broadcast band stations by the NBC network.

At about 8:45 a. m. Eastern Standard Time, the first signals were received from W10XIII, in the balloon. This was before the big bag had left the ground. These signals were 100 per cent intelligible throughout the trip. At the ceiling of approximately 74,000 feet the signals were perfectly audible and had taken on a crispness not present in other transmissions.

As the bag descended, signals attained unbelievable volume and clearness, until, during the last 20,000 feet of the rapid fall, every sound from the interior of the gondola was picked up. Finally Stevens yelled, "Stand by and hold on," and both men clambered out onto the rigging, to withstand the shock of the landing. When the balloon struck, the transmitter was damaged so badly that it was forced off the air.

Unless poor atmospheric conditions or temperamental bridge experts interfere, Monday, November 25, will see grand slams, doubles and redoubles, and maybe a revoke or two crackle across the ether in the international bridge match scheduled between teams representing the United States and Argentina. This match is being broadcast by stations W2XAF Schenectady, New York (9.53) and LSX, Buenos Aires (10.35). The broadcasts will begin at 9 p. m. and continue until twelve hands have been played.

Advance Programs

KEY TO FREQUENCIES

(Megacycles, or thousands of kilocycles shown.)	
2RO (Rome)	9.64
CJRX (Winnipeg, Canada)	11.72
CJRO (Winnipeg, Canada)	6.15
FYA (Paris)	11.71
DJB (Zeesen)	15.20
DJC (Zeesen)	6.02
EAQ (Madrid)	9.87
GSA (Daventry)	6.05
GSB (Daventry)	9.51
GSC (Daventry)	9.58
GSD (Daventry)	11.75
GSE (Daventry)	11.86
GSF (Daventry)	15.14
GSG (Daventry)	17.79
GSI (Daventry)	15.28
GSL (Daventry)	6.11
HBL (Geneva)	9.60
HBP (Geneva)	7.80
HC2RL (Guayaquil, Ecuador)	6.66
HJ1ABE (Cartagena, Colombia)	6.12
HJ4ABE (Medellin, Colombia)	6.93
JVM (Nazaki, Japan)	10.74
JVN (Nazaki, Japan)	10.66
JVP (Nazaki, Japan)	7.51
LSX (Buenos Aires)	10.35
PCJ (Huizen, Holland)	15.22
PHI (Huizen, Holland)	11.73
PLV (Bandoeng, Java)	9.41
Pontoise (France)	11.71
PRADO (Quito, Ecuador)	6.62
PRF5 (Rio de Janeiro)	9.50
RNE (Moscow)	12.00
VE9DN (Drummondville, Quebec)	6.00
VH2ME (Sydney, Australia)	9.59
VK3LR (Melbourne, Australia)	9.55
VK3ME (Melbourne, Australia)	9.51
VUB (Bombay, India)	9.65
VUC (Bombay, India)	6.11
W2XAF (Schenectady)	9.53
YV2RC (Caracas, Venezuela)	5.80

SUNDAY, NOVEMBER 24

- 9:15 a. m.—Pini's orchestra (GSF, GSG).
9:30 a. m.—Baseball game (YV2RC).
9:40 a. m.—Roman Catholic program (PCJ).
10:30 a. m.—American hour (DIB).
12 noon—Special program (DJR).
12:30 p. m.—David Livingstone (GSB, GSD, GSI).
5:05 p. m.—Nicholas' animals (DJC).
5:45 p. m.—Concert (HC2RL).
6 p. m.—Church services (GSA, GSC).
6:30 p. m.—Bullfight reviews (EAQ).
6:50 p. m.—String quartet (GSA, GSC).

(Continued on Page 21)

SHORT WAVES

(Continued from Page 19)

7:30 p. m.—In the Mountains (DJC).
10 p. m.—Evensong (GSC, GSL).
12 midnight—Overseas hour (JVN).

MONDAY, NOVEMBER 25

3:30 a. m.—Opera house (GSB, GSD).
9 a. m.—Concert party (GSE, GSG).
10:15 a. m.—Dance music (PHI).
10:30 a. m.—American hour (HJB).
2:30 p. m.—Balalaika orchestra (GSB, GSD).
3 p. m.—Variety feature (GSB, GSD, GSL).
3:25 p. m.—A. Carnegie prem. (GSB, GSD, GSL).
4 p. m.—Overseas hour (JVM, JVP).
5:05 p. m.—Harvest program (DJC).
5:30 p. m.—Brashan hour (PHS).
6 p. m.—Van Stevven memorial (DJC).
6:05 p. m.—Talk on airplanes (2RO).
6:10 p. m.—Talk on music (GSA, GSC).
6:15 p. m.—Opera, Il Trovatore (2RO).
6:15 p. m.—Male choirs (DJC).
7 p. m.—The Blue Band (YV2RC).
7:15 p. m.—Today in Germany (DJC).
7:15 p. m.—Americo Trantelli, arias (2RO).
7:30 p. m.—Tans' Rame orchestra (DJC).
7:30 p. m.—A. Carnegie prem. (GSA, GSC).
7:45 p. m.—Tovar Brothers (YV2RC).
8 p. m.—Sergio Colos' orchestra (YV2RC).
8:30 p. m.—Amateur hour (YV2RC).
9 p. m.—Int'l bridge game (W2NAF, LSX).
10:30 p. m.—Talk, South America (HJ4ABE).
11:10 p. m.—DX program (HJ4ABE).
12 midnight—Overseas hour (JVN).

TUESDAY, NOVEMBER 26

6:30 a. m.—Street life (GSE, GSG).
10 a. m.—American hour (PLV).
6 p. m.—Operetta (DJC).
6 p. m.—Talk, Under Big Ben (GSA, GSC).
6:35 p. m.—Mail Bag (W2NAF).
6:45 p. m.—Backstage in Schenectady (W2NAF).
6:55 p. m.—The Emperors (GSA, GSC).
7:15 p. m.—Today in Germany (DJC).
7:30 p. m.—From Rhine to Danube (DJC).
7:45 p. m.—Judicary Chronicle (FYA).
9:20 p. m.—Evening concert (HIC2RL).
10 p. m.—Street songs (GSC, GSL).
10:30 p. m.—Talk, South America (HJ4ABE).
12 midnight—Overseas hour (JVN).

WEDNESDAY, NOVEMBER 27

6 a. m.—Mail Bag (VK3ME).
10:30 a. m.—American hour (HJB).
3:30 p. m.—Concert (GSB, GSD, GSL).
6 p. m.—Marching tunes (DJC).
6 p. m.—Jack Payne's band (GSA, GSC).
6:05 p. m.—Talk, Prof. Cahen (2RO).
6:15 p. m.—Metropolitan band (2RO).
7:15 p. m.—Today in Germany (DJC).
7:15 p. m.—Miss Kuyser, songs (YV2RC).
7:15 p. m.—Cetra orchestra (2RO).
7:30 p. m.—Licht music (DJC).
7:30 p. m.—Martin del Llano, crooner (YV2RC).
7:35 p. m.—Marches, recordings (GSA, GSC).
8:30 p. m.—Beethoven sonata (DJC).
9 p. m.—Premiere at Nine (CRCX).
9:15 p. m.—Variety program (DJC).
10 p. m.—Talk, Under Big Ben (GSC, GSL).
10:15 p. m.—Oscar recital (GSC, GSL).
10:30 p. m.—Talk, South America (HJ4ABE).
12 midnight—Overseas hour (JVN).

THURSDAY, NOVEMBER 28

9:10 a. m.—Concert ensemble (PHD).
9:30 a. m.—Books to read (GSE, GSG).
10 a. m.—American hour (PLV).
10:30 a. m.—American hour (DJB).
10:45 a. m.—Dickens reading (GSB, GSE).
11 a. m.—Moonlight masquerade (GSB, GSE).
2 p. m.—Town tunes (GSB, GSD).
3:30 p. m.—Round the World (GSB, GSD, GSL).
4 p. m.—Overseas hour (JVM, JVP).
5:05 p. m.—Socialist books (DJC).
5:20 p. m.—Dances (DJC).
6 p. m.—Thanksgiving program (DJC).
6 p. m.—The Wedding (GSA, GSC).
6:15 p. m.—Farber Rhine, songs (DJC).
6:30 p. m.—Organ music (GSA, GSC).
7 p. m.—Name-sake towns (GSA, GSC).
7 p. m.—English program (FAQ).
7:15 p. m.—Today in Germany (DJC).
7:30 p. m.—German minstrels (DJC).

(Continued on Page 29)

Program Locator

(Continued from Facing Page)

COMPLETE LOG OF STATIONS NEXT WEEK

Next Issue of Radio GUIDE will contain a complete list of all broadcasting stations in the United States and Canada. The list will tell the call letters, location, power and frequency of each.

Reserve Your Copy Now

Ripley, Bob, "Believe It or Not!"	NBC	7:30 p.m.
Roger & Gallet	See Crosby, Bob	Sunday only
Rogers, Buck, Adventures	CBS	6 & 7 p.m.
Mom, Tues., Wed., Fri.	NBC	5 p.m.
Roses and Drums	NBC	Sunday only
Rubinoff and His Violin	NBC	6 p.m.
Saturday only		
Scoti's Emulsion	See Breiter, Gabriel	
Shell Oil and Gas	See Chateau	
Show Boat, variety	NBC	9 p.m.
Thursday only		
Simon's, Frank, Band	NBC	10:30 p.m.
Monday only		
Sinclair Gas and Oil	See Sinclair Minstrels	
Sinclair Minstrels	NBC	9 p.m.
Singing Lady	NBC	9 p.m.
NBC 5:30 & 6:30 p.m.		
Daily ex. Sat. & Sun.		
Singin' Sam	CBS	7:30, 11:35 p.m.
Monday only		
Sloan's Liniment	See Warden Lawes	
Smith, Kate	CBS	7:30 p.m.
Tues., Wed., & Thurs.		
Second Vacuum Oil Co.	See Flying Red Horse	
Tavern		
Songs and Stories	NBC	4:15 p.m.
Monday only		
Squibb, E. R. & Sons	See To Arms for Peace	
Stamp Club	NBC	7:15 p.m.
Mon., Wed., and Fri.		
Standard Brands	See Ripley, Bob	
Standard Oil and Gas	See Landlord, Guy	
Holiday Jack		
Sleepnagle and Budd	CBS	9:30 p.m. and
12 mid.		
Story of Mary Martin	CBS	12:30 p.m.
Daily ex. Sat. & Sun.		
Studebaker Cars and Trucks	See Humber, Richard	
Studio Party	NBC	10 p.m.
Tuesday only		
Studio 7	NBC	11:15 a.m.
Tues., Wed., & Thurs.		
Sunday Evening Hour	CBS	9:00 p.m.
Sunday only		
Sun Oil Co.	See Thomas, Lowell	
Super Suds	See House of Glass	
Sweet, Blanche	CBS	12:15 p.m.
Monday and Friday		
Swift Products	See Studio Party	
Tastyfast, Inc.	American Pageant of Youth	
Taylor, Mary Lee	CBS	11 a.m.
Tuesday & Thursday		
Tender Leaf Tea	See Our Man's Family	
Texaco Gas and Oil	See Junior Fire Chief	
Thomas, John Charles	NBC	9 p.m.
Wednesday only		
Thomas, Lowell	NBC	6:45 p.m.
Daily ex. Sat. & Sun.		
Thrive Dog Food	See Stories and Stories	
Tibbett, Lawrence	CBS	8:30 p.m.
Tuesday only		
Time Magazine, Inc.	See March of Time	
To Arms For Peace	CBS	9:30 p.m.
Thursday only		

World Short Wave Timetable

Me-ters	Megs	Sta-tion	Loca-tion	EST shown; subtract one hour for CST. Stations broad-cast daily at hours given unless otherwise noted.
16.87	17.72	W3XAL	Brown Brook, N. J.	3 to 4 P. M., 5 to 10 P. M. daily except Sunday
16.89	17.76	D2E	Germany	5 to 11:30 A. M.
16.89	17.73	PH1	Holland	8:30 to 11 A. M. except Sun., Tues. and Wednesday
16.86	17.79	GSG	England	6 to 10:15 A. M.
19.51	15.37	HAS3	Hungary	9 to 10 A. M. Sunday
19.57	15.53	W2XAF	Schenectady, N. Y.	2 to 3 P. M.; 10:30 A. M. to 4 P. M. Sunday
19.63	15.28	D2O	Germany	8 to 11:30 A. M.
19.64	15.27	W2XE	Wayne, N. J.	15 A. M. to 6 P. M.
19.66	15.26	GSI	England	12:15 to 2:15 P. M.
19.68	15.24	PONTOISE	France	7 P. M. to 1 A. M.
19.71	15.22	PCJ	Holland	3 to 6 A. M. Tuesday; 7 to 11 A. M. Wednesday; 8 to 11:30 A. M. Sunday
19.72	15.21	WBXK	Pittsburgh, Pa.	6 A. M. to 3:15 P. M.
19.74	15.20	DJB	Germany	8 to 11:30 A. M.
19.82	15.14	GSF	England	6 A. M. to 12 noon
19.84	15.12	HVJ	Vatican City	10:30 to 10:45 A. M.
23.39	12.63	CNR	Portugal	7:30 to 9 A. M. Sunday
24.20	12.40	CTIGO	Portugal	9 to 10:30 A. M. Sun.; Noon to 1:15 P. M. Tues.
25.00	12.00	RNE	Madrid	Thurs., Fri.
25.23	11.90	PONTOISE	France	6 A. M. to 10 A. M., Sunday; 4 P. M., Monday;
25.27	11.67	W3XK	Pittsburgh, Pa.	6 A. M. to 4 P. M., Wednesday; 4 P. M., Friday
25.28	11.66	GSE	England	12 Noon to 10 P. M.
25.36	11.63	W2XE	Wayne, N. J.	9 A. M. to 12 noon
25.57	11.73	PH1	Holland	4 to 4 P. M.
25.62	11.81	ZRO	Italy	8:30 to 10:10 A. M. except Tues. and Wednesday
25.65	11.77	DJO	Germany	8:15 to 10:15 A. M. noon to 1 p. m.; 1:45 to 2:30 p. m.
25.59	11.75	GSD	England	Noon to 4:30 P. M.; 5:05 to 10:30 P. M.
25.60	11.72	CJRK	Canada	2:30 to 4 P. M.
25.66	11.73	PONTOISE	France	6 to 11 P. M.; Sat. 3 to 12 Mid.
25.65	11.70	HJ4ABA	Colombia	7 to 10 P. M., 11 P. M. to 1 A. M.
25.65	11.60	CTIAA	Portugal	8:30 to 10:30 P. M.
25.27	9.60	HBL	Switzerland	1:40 to 2:20 A. M.; 4 to 7:40 A. M.
31.27	9.57	LKJ1	Norway	12 Mid. to 3 A. M., 4 in 7:40 A. M.
31.28	9.59	VK2ME	Australia	1:30 to 3 P. M.
31.28	9.59	W3XAU	Philadelphia, Pa.	5:15 to 7:30 P. M.
31.30	9.58	GSC	England	6 to 9 P. M., Mon., Wed., and Fri.
31.32	9.58	VK3LR	Australia	4:30 to 7 P. M. Tues., & Saturday
31.35	9.57	W1XK	Springfield, Mass.	5:30 to 6:15 P. M. Saturday
31.36	9.65	VUB	India	6 to 9 A. M., 9:30 to 11:30 A. M., Sunday
31.38	9.57	DJA	Germany	5:45 to 9:15 P. M.
31.45	9.55	LCL	Norway	Noon to 6 P. M.
31.45	9.54	DJM	Germany	5:05 to 10:45 P. M.
31.48	9.53	W2XAF	Schenectady, N. Y.	4 P. M. to 12 Mid.
31.55	9.51	GSD	England	4:15 to 5:45 P. M.
31.55	9.51	VK3ME	Australia	7 to 8:30 A. M., Wed., Thurs., Fri.; 5 to 7 A. M. Sat.
31.57	9.50	PRFS	Brazil	2:30 to 6:15 P. M.
31.70	9.43	COCH	Cuba	4 to 6:30 P. M., 8 to 10 P. M.
32.88	9.12	HAT4	Hungary	6 to 7 P. M. Sunday
37.83	8.04	CNR	Morocco	3 to 5:30 P. M. Sunday
38.31	7.83	HC2JSB	Ecuador	7:20 to 11:20 P. M.
38.47	7.80	HBP	Switzerland	5:30 to 6:15 P. M. Saturday
40.55	7.40	HJ3ABD	Colombia	7 to 11 P. M. except Sunday
41.21	7.26	HJ4ABD	Colombia	7:45 to 9:15 P. M. ex. Sunday
42.25	7.10	HKE	Colombia	Tuesday & Saturday 8 to 9 P. M.
44.03	6.81	HHT	Dominican Republic	3 to 4 A. M. Sunday
44.71	6.71	TIEP	Costa Rica	7 to 10 P. M. except Sunday
45.00	6.66	HC2RL	Ecuador	5:45 to 8 P. M. Sunday; 9:35 to 11:15 P. M. Tuesday
45.31	6.42	PRADO	Peru	9:30 to 11 P. M. Thursday
45.54	6.59	H14D	Dominican Republic	4:40 to 7:40 P. M. ex. Sunday
46.01	6.52	YV6RV	Valencia	6 to 10 P. M.
46.23	6.49	HJ5ABD	Colombia	7 to 10 P. M. ex. Sunday
46.60	6.65	HJ1ABB	Colombia	6 to 10 P. M.
46.88	6.45	YV1GG	Nicaragua	7:15 to 10:15 P. M.
47.06	6.37	YV9RC	Venezuela	4:40 to 5 P. M. ex. Sunday
47.50	6.31	H12	Dominican Republic	11 P. M. to 12:30 A. M.
48.15	6.23	DAX4B	Peru	6 to 11:30 P. M. Wednesday
48.23	6.12	HJ2ABA	Colombia	8 to 10 P. M.
48.40	6.20	CTIGO	Portugal	6:20 to 7:30 P. M.; Sunday 10:30 A. M. to 12 Noon
48.50	6.17	H15HFA	Dominican Republic	6:40 to 9:40 P. M. ex. Sunday
48.62	6.17	HJ3ABF	Colombia	7 to 11 P. M. ex. Sunday
48.78	6.15	YV3RC	Venezuela	5:30 to 9 P. M.
48.83	6.15	C09GC	Cuba	1:30 to 4:30 P. M.; 10:30 to 11 P. M.
48.83	6.15	CJRD	Canada	6 to 11 P. M.; Sun. 4 to 9:30 P. M.; Sat. 3 to 12 mid.
48.86	6.14	WBXK	Pittsburgh, Pa.	3:30 P. M. to 12:30 A. M.
48.92	6.12	ZGE	Malaya States	Sunday, Tuesday & Friday 6:40 to 8:40 A. M.
48.94	6.13	LKJ1	Newark, N. J.	7:45 to 8:30 A. M. Sunday, 9:35 to 11:15 P. M. Tuesday
49.02	6.12	W2XE	Wayne, N. J.	5:30 to 10 P. M.
49.02	6.12	YDAS	Java	5:30 to 10 A. M.
49.05	6.12	HJ1ABE	Colombia	7:30 to 9 P. M. Mon. and Wed.
49.08	6.11	YV2RC	Venezuela	5:15 to 10 P. M.
49.10	6.11	GSL	England	10 to 11 P. M. Sunday
49.18	6.10	W3XAL	Benedictine, N. J.	4 to 5 P. M. Mon., Wed., Sat.; 11 P. M. to Mid.
49.18	6.10	W9XF	Chicago, Ill.	8 to 9 A. M.; 12 Noon to 1 P. M.
49.26	6.09	CRDX	Berwynville, Ontario	6:30 to 11:30 P. M.
49.34	6.08	YV1	Pelvis	7:45 to 9:15 P. M.
49.34	6.08	VE5HX	Nova Scotia	8 to 10:30 A. M.; 3 to 10 P. M.
49.34	6.08	W9XAA	Chicago, Ill.	1 to 3:30 P. M. Sunday
49.40	6.17	QER	Austria	Mon., Wed. and Sat., 6:30 to 9 A. M.
49.45	6.05	HJ1	Colombia	6 to 13 P. M.
49.50	6.04	OXY	Denmark	1 to 7 P. M.; Sun. 11 A. M. to 7 P. M.
49.50	6.06	W3XAU	Cincinnati, Ohio	7 to 10 P. M.
49.59	6.05	GSA	England	6 to 7 A. M.; 10 P. M. to 12 Mid.
49.67	6.04	HJ1ABG	Colombia	6:30 to 10 P. M. except Sunday
49.67	6.04	W1XAL	Burton, Mass.	4 to 6 P. M. Sun.; 6:30 to 7:45 P. M. Wed. and Fri.
49.75	6.03	HPSB	Panama	8 to 10:30 P. M.
49.83	6.02	DJC	Germany	5:05 to 10:45 P. M.
49.87	6.02	HJ3ABH	Colombia	7 to 11 P. M. ex. Sunday
49.90	6.01	COCO	Cuba	4 to 7 P. M. B to 10 P. M. Friday
50.16	5.98	HIX	Dominican Republic	5:10 to 10:10 P. M. Friday
50.42	5.93	HJ1ABE	Colombia	7:40 to 10:30 P. M.
51.11	5.87	HJ2ABC	Venezuela	6:30 to 9 P. M. except Sunday
51.28	5.85	YV5RMD	Costa Rica	5:15 to 10 P. M. ex. Sunday
51.46	5.85	TIGPH	Venezuela	7 to 10 P. M. ex. Sunday
51.72	5.80	YV2RC	Peru	5:15 to 9:30 P. M.
65.22	4.60	HJ2ET	Ecuador	9 to 11:30 P. M. Wednesday and Saturday
67.11	4.47	YOB	D. E. L.	9:30 to 10:45 P. M. Wed. and Sat.
67.11	4.47	YOB	D. E. L.	4:30 to 9:30 A. M.

On Short Waves

(Continued from Page 21)

7:30 p. m.—Russia, Moscow (YV2RC).
7:45 p. m.—Brazil, Rio (DJO).
8:30 p. m.—American tour (HJ1ABE).
9:15 p. m.—Young idea (GSD, GS1).
10:30 p. m.—Midnight matinée (GSD, GS1).
11:45 p. m.—Congo tour (HJ1ABE).
12 midnight—Overseas tour (QVN).
SATURDAY, NOVEMBER 30
6 a. m.—Se. Andrew's Day (GSF, GS1).
7:45 a. m.—Children's tour (GSD, GS1).
9:20 a. m.—Microphone debuts (PH1).
10:30 a. m.—American tour (DJO).
10:10 a. m.—Ulster vs. New Zealand, rugby (GSH, GS1).
12:15 p. m.—The Empires (GSD, GS1, GS2).
2 p. m.—Saturday magazine (GSD, GS1, GS2).
3:30 p. m.—Andrea's Day (GSD, GS1, GS2).
4:45 p. m.—Brazilian tour (HJ1ABE).
5:30 p. m.—Talk, South America (HJ1ABE).
6 p. m.—The Love School (DJO).
7 p. m.—Andrea's Day (GSD, GS1).
7 p. m.—Dance music (DJO).
7 p. m.—Brazil news (GSD, GS1).
7 p. m.—Scandinavian music (YV2RC).
7:15 p. m.—Today in Germany (DJO).
7:30 p. m.—Brazil, crossover (YV2RC).
8:30 p. m.—Lorado and Paiva, smelters (YV2RC).
8:30 p. m.—Dinner music (DJO).
9:15 p. m.—Dance music (DJO).
10 p. m.—Danes music (GSD, GS1).
10:30 p. m.—Talk, South America (HJ1ABE).
11:30 p. m.—Northern Messenger (VSUN, CJHO).
12 midnight—Overseas tour (QVN).

Old Book in Attic Brings Fortune to Woman

A Massachusetts housewife read an article about valuable old books and next day discovered one in the attic. She sold it for more money than she could save in a lifetime! The American Book Mart, the largest company of its kind in the world, will pay \$5,000.00 cash for each copy of this book. They also want to buy thousands of other old books of all kinds (bibles, almanacs, old letters, etc.) and old newspapers, magazines. Many published only five and six years ago are valuable. A single book that looks worthless may bring you \$50-\$100-\$500 or even \$5000 in cash! Is there a fortune hidden in your old book attic or basement? Better investigate now! Send to today to American Book Mart, 140 S. Dearborn St., Dept. 1101, Chicago, Ill., and they will send you big list of old books they want to buy and prices they will pay!</

ON SHORT WAVES

By Chas. A. Morrison

Figures in Parentheses Denote Megacycles or Thousands of Kilocycles

EST Shown; For CST Subtract One Hour

OFFICIAL information on the short-wave transmitters of Ethiopia has been received by Mrs. Dorothy Hall of New York City, and Sergeant Guy L. Bigbee, of Fort Benning, Georgia.

There is one short-wave telegraph-telephone transmitter in Ethiopia. This is the personal property of Emperor Haile Selassie, and is located at Akaki, near Addis Ababa. This station transmits on four various frequencies as follows with a power of 3,000 watts: EIA, 18.27 megacycles; ETB, 11.955 megacycles; ETD, 7.62 megacycles, and ETG, 5.88 megacycles.

Normally these transmissions are limited to telegraphy, and daily transmissions are sent out in code on EIA, from 1 a. m. to 2 p. m., and on ETB from 2 p. m. to 5:30 p. m. Telephone transmissions are irregular but usually occur over EIA from 12:30 to 1 p. m., over ETB between 5 and 5:45 p. m., and over ETD between 5 and 6 p. m.

Reports should be addressed to F. Hammar, Chief Engineer, P. O. Box 281, Addis Ababa, Ethiopia, North Africa.

Ethiopia can be heard in the United States with good signal strength and intelligibility. Wednesday, November 20, from 4:30 to 5:20 p. m. ETB was received at the Radio Game Listening Post in Bloomington, Illinois, with every word plainly and easily audible. Transmissions began with these words, "Hello, New York. This is Addis Ababa calling the Columbia Broadcasting System. Hello America—"

Advance Programs

NEWS BROADCASTS

Daily—4:45 a. m., GSD, GSB; 7 a. m., VK2MF, 8 a. m., GSG, GSF; 10:50 a. m., VUC, 11:30 a. m., GSB, GSE; 1 p. m., GSB, GSD, GSI; 2:30 p. m., Pontius; 5 p. m., GSB, GNC, 5:15 p. m., EAQ, PRF5; 6 p. m., ZRO; 7:20 p. m., Pontius; 9 p. m., TUD; 8:15 p. m., DJC, DJD; 10 p. m., CJHO, CJHX; 12:05 a. m., JVN

Sunday—9:30 a. m., PCJ,

Monday, Wednesday, Friday—11:15 a. m., VUB; 7:15 p. m., 2100.

Tuesday, Thursday, Saturday—10:45 a. m., VUB

Mon., Thurs., Fri., Sat.—9:30 a. m., PHM,

Daily except Sunday—5:30 a. m., VK3IR.

SUNDAY, DECEMBER 1

8:30 a. m.—Catholic service (VV2RC),
9:30 a. m.—Baseball game (VV2RC),
9:40 a. m.—Human Catholic program (PCJ),
10 a. m.—Church services (GSF, GSE),
11 a. m.—Commerce hour, daily (COCD).

12 noon—Beauty program, daily (COCD),
1 p. m.—Cuban dance music, daily (COCD),
2 p. m.—Latin-American music, daily (COCD),
2:15 p. m.—Horse races (VV2RC),
2:55 p. m.—Salvation Army services (GSB, GSD),
3 p. m.—Educational program, daily (COCD),
4 p. m.—Talk, Revisited (GSB, GSC),
4 p. m.—Classical music, daily (COCD),
5 p. m.—Mayor's program, daily (COCD),
5:45 p. m.—Concert (HC2RL),
6 p. m.—Good Sisters of America, daily (COCD),
6:30 p. m.—Cathedral services (GSA, GSC),
7 p. m.—South American program, daily (COCD),
7:15 p. m.—Review (FV1),
7:30 p. m.—Bell casting (DJC),
8 p. m.—Cuban dance music, daily (COCD),
8 p. m.—Hand concert (VV2RC),
9 p. m.—Newspaper of the air, daily (COCD),
9:30 p. m.—Music Appreciation hour (HRN),
10 p. m.—Salvation Army services (GSF, GSD),
10:30 p. m.—Lottery program, daily (COCD),
12 mid.—Overseas hour (JVN)

MONDAY, DECEMBER 2

8:10 a. m.—Residential quartet (PHI),
9:45 a. m.—St. Paul's Cathedral (GSF, GSE),
2 p. m.—Military band (GSB, GSD),
3:10 p. m.—Special program (HB9B),
3:30 p. m.—Light fare (GSB, GSD, GSC),
4 p. m.—Overseas hour (JVM, JVP),
4:45 p. m.—Dance Music (GSB, GSC),
5:05 p. m.—Bavarian dance music (DJC),
5:30 p. m.—Brazilian hour (PHF5),
6 p. m.—Special program (HBL, HBP, HB9B),
6 p. m.—Folk songs (DJC),
6:10 p. m.—Talk on music (GSA, GSC),
6:15 p. m.—Opera (ZRO),
7:45 p. m.—Tovar brothers (VV2RC),
8 p. m.—Sergio Colos' band (VV2RC),
8:30 p. m.—Amateur hour (VV2RC),
8:45 p. m.—Piano recital (DJC),
9:30 p. m.—Radio talks (VV2RC),
10 p. m.—The Empires (GSC, GSD),
10:30 p. m.—Talk, South America (HJ4ABE),
11:10 p. m.—Dx program (HJ4ABE),
12 mid.—Overseas hour (JVN)

TUESDAY, DECEMBER 3

9 a. m.—Orchestra (GSF, GSC),
10 a. m.—American hour (PHV),
10:30 a. m.—American hour (DJB),
1:30 p. m.—Engear Pin's band (GSB, GSD, GSI),
2:10 p. m.—Theater program (GSB, GSD),
4:15 p. m.—Red Sarsan (GSB, GSC),
6 p. m.—Wauwau's operas (DJC),
6:35 p. m.—Mail bag (W2XAF),
6:40 p. m.—Talk, I Knew a Man (GSA, GSC),
6:45 p. m.—Backstage in Schenectady (W2XAF),
7 p. m.—Drama, The Star Tenor (GSA, GSC),
7 p. m.—Venezuelan music (VV2RC),
7:15 p. m.—Germany today (DJC),
7:30 p. m.—Old German tunes (DJC),
9:15 p. m.—Hobble hour (DJC),
9:20 p. m.—Concert (HC2RL),
10:30 p. m.—Descriptives (GSC, GSD),
10:30 p. m.—Talk, South America (HJ4ABE),
12 mid.—Overseas hour (JVN)

WEDNESDAY, DECEMBER 4

10:15 a. m.—A Countryman's diary (GSF, GSE),
10:30 a. m.—American hour (DJB),
11:15 a. m.—Jan Berenska's orch. (GSF, GSB),
4 p. m.—Meet Mickey Mouse (GSC, GSB),
6 p. m.—Merry wrangle (DJC),
6:15 p. m.—Countryman's diary (GSA, GSC),
6:15 p. m.—Concert (2100).

(Continued on Page 27)

Short-Wave Programs—Continued

(Continued from Page 23)

7 p. m.—Don Timoteo, comic tales (YV2RC).
 7:15 p. m.—Jesus Paiva, soloist (YV2RC).
 7:30 p. m.—Talk, Olympics (DJC).
 7:30 p. m.—Musica Frivola (EAQ).
 7:45 p. m.—Organ recital (DJC).
 9:15 p. m.—Chamber orchestra (DJC).
 10 p. m.—Gossip hour (GSC, GSL).
 10:30 p. m.—Letter box (DJC, DJN).
 10:30 p. m.—Talk, South America (HJ4ABE).
 10:40 p. m.—Books (GSC, GSL).
 12 mid.—Overseas hour (JVN).

THURSDAY, DECEMBER 5

8:10 a. m.—Santa Claus (PHI).
 10 a. m.—American hour (PLV).
 10:30 a. m.—American hour (DJB).
 6 p. m.—Dickens reading (GSA, GSC).
 6:15 p. m.—Humor (GSA, GSC).
 6:30 p. m.—The North (GSA, GSC).
 7:15 p. m.—Germany today (DJC).
 7:15 p. m.—Blue band (YV2RC).
 7:30 p. m.—Swabia music (DJC).
 7:30 p. m.—Miss Kayser, soloist (YV2RC).
 7:45 p. m.—Amateur hour (YV2RC).
 8:30 p. m.—Piano recital (DJC).

9 p. m.—Band concert (YV2RC).
 9:20 p. m.—Ecuadorian music (PRADO).
 10 p. m.—BBC Empire orch. (GSC, GSL).
 10:30 p. m.—Request program (FYA).
 10:30 p. m.—Talk, South America (HJ4ABE).
 12 mid.—Overseas hour (JVN).

FRIDAY, DECEMBER 6

8:45 a. m.—Mariette Serle, soloist (PHI).
 10:30 a. m.—American hour (DJB).
 2:15 p. m.—Balalaika orch. (GSB, GSD).
 2:30 p. m.—Young ideas (GSB, GSD).
 4:45 p. m.—Thibaud, violinist (GSB, GSC).
 5:05 p. m.—Fairy tale (DJC).
 6 p. m.—Violin concerto (DJC).
 6 p. m.—BBC Empire orch. (GSA, GSC).
 6:15 p. m.—Opera (2RO).
 7 p. m.—St. Paul's cathedral (GSA, GSC).
 7:15 p. m.—Germany today (DJC).
 7:15 p. m.—December Dynamite (GSA, GSC).
 7:30 p. m.—Santa Claus (DJC).
 7:30 p. m.—Julio de Seta, tenor (YV2RC).
 8:30 p. m.—Home for Germans (DJC).
 9:15 p. m.—Entertainment (DJC).
 10 p. m.—A Countryman's Diary (GSL, GSC).
 10:30 p. m.—Talk, South America (HJ4ABE).
 12 mid.—Overseas hour (JVN).

SATURDAY, DECEMBER 7

2 p. m.—Saturday magazine (GSB, GSD, GSL).
 5:05 p. m.—Amateur hour (DJC).
 5:30 p. m.—League of Nations (HBL, HBP).
 6 p. m.—Popular tunes (DJC).
 6 p. m.—Grenadier Guards band (GSA, GSC).
 6:15 p. m.—Pippourri (DJC).
 7 p. m.—Don Timoteo, comic tales (YV2RC).
 7:15 p. m.—Germany today (DJC).
 7:15 p. m.—Comical program (YV2RC).
 7:30 p. m.—Rosario Lozano, soloist (YV2RC).
 8:30 p. m.—Continents (YV2RC).
 8:30 p. m.—Dance music (DJC).
 10 p. m.—Drama, Star Tenor (GSC, GSL).
 10:30 p. m.—Talk, South America (HJ4ABE).
 11 p. m.—Messenger service to far North (CRCX, CJRO, CJRX, VE9DN).
 12 mid.—Overseas hour (JVN).

KEY TO FREQUENCIES

(Megacycles or thousands of kilocycles shown)		
2RO (Rome)	9.64	JVM (Nazaki, Japan)
CJRX (Winnipeg, Canada)	11.72	JVN (Nazaki, Japan)
CJRO (Winnipeg, Canada)	6.15	JVP (Nazaki, Japan)
COCD (Havana, Cuba)	6.13	PCJ (Huizen, Holland)
CP6 (La Paz, Bolivia)	9.12	PHI (Huizen, Holland)
CRCX (Bowmanville, Canada)	6.09	PLV (Bandoeng, Java)
FYA (Paris)	11.71	Pontoise (Pontoise, France)
DJB (Zeesen)	15.20	VK2ME (Sydney, Australia)
DJC (Zeesen)	6.02	VK3LR (Melbourne, Australia)
EAQ (Madrid)	9.87	VK3ME (Melbourne, Australia)
GSA (Daventry)	6.06	VUB (Bombay, India)
GSB (Daventry)	9.51	VE9DN (Drummondville, Quebec)
GSC (Daventry)	9.58	VUC (Calcutta, India)
GSD (Daventry)	11.75	W2XAF (Scheneveld, tady)
GSE (Daventry)	11.86	YV2RC (Caracas, Venezuela)
GSF (Daventry)	15.14	
GSG (Daventry)	17.79	
GSI (Daventry)	15.26	
GSL (Daventry)	6.11	
HBL (Geneva)	9.60	
HBP (Geneva)	7.80	
HB9B (Bern, Switzerland)	14.23	
HC2RL (Guayaquil, Ecuador)	6.66	
HJ1ABE (Cartagena, Colombia)	6.12	
HJ4ABE (Medellin, Colombia)	5.93	
HRN (Tegucigalpa, Honduras)	5.87	

Saturday, Dec. 7, Continued

CBS—California Melodies; WABC WKRC WHAS WBBM (sw 6.12-6.06)

NBC—El Chico, Spanish revue: WJZ KDKA WCKY WENR WHAM (sw 11.87)

KMOX—Frolic Time

WGN—Those O'Malleys

WLS—Henry Hornsby; Prairie Ramblers

WWVA—Music Jamboree

8:15 p.m. EST 7:15 CST

NBC—Boston Symphony Orch.: WJZ WHAM KDKA WCKY (sw 11.87)

MBS—Veloz & Yolanda's Orch.: WMBN WIGA

KMOX—Musical Moments; Soloist; Orchestra

WCKY—Front Page Dramas

WCPO—Bill Lava's Orch.

WGN—Jan Garber's Orchestra

WSAI—Ace Brigode's Orch.

WSM—Crouk Brothers; Delmore

Brothers; Possum Hunters;

Dixie Liners; Uncle Dave Ma-

con; Fruit Jar Drinkers

9:45 p.m. EST 8:45 CST

KMOX—Piano Recital

WCKY—On the Mall

WCPO—Sunset Royal Entertain-

ers

WGN—Anson Weeks' Orchestra

WAVE—Walkathon

WGBF—News

WGN—Joe Sanders' Orch.

WSAI—Ace Brigode's Orchestra

WWVA—Midnight Jamboree

11:30 p.m. EST 10:30 CST

NBC—(News, WEAF only; Regie Child's Orch.; WEAF

WAVE WGY WCKY (sw 9.53)

CBS—Ozzie Nelson's Orchestra;

WABC WKRC WHAS WSMR

KMOX WBBM

NBC—Dedication of NBC Holly-

wood Studios; KDKA WSAI

(sw 11.87 6.14)

WGN—Anson Weeks' Orchestra

ON SHORT WAVES

By Chas. A. Morrison

Figures in Parentheses Denote Megacycles or Thousands of Kilocycles

German authorities claim that by the time the Winter Olympic games are started their short-wave equipment will be unrivaled in the world. Several powerful new transmitters are to be ready for these relays, and already new transmitters are to be heard testing on various frequencies. DJI, Zeesen, may be heard nightly from 5 to 7 p. m. relaying DJA, on a new frequency of 9.65 megacycles. DJJ, Zeesen (10.04), is testing irregularly from 2 to 4 p. m. Neither of these stations are using full power as yet.

HVJ, Radio Vaticano, located at Vatican City, Italy, may be heard with an additional schedule on Saturdays, from 10 to 10:15 a. m. HVJ is on 15.12 megacycles.

Additional schedules from Tokio have been announced for tests to Europe but the programs also may be heard in this country. They are: Tuesday, 2 to 3 p. m., JVII, Nazaki (14.6), and Friday, 2 to 3 p. m. JVM, Nazaki (10.74). The regular daily short-wave relay schedules of JOAKI directed to Manchukuo and Chosen are being heard in this country from 5.20 to 11 p. m. over JVII (14.6); 1:50 to 7:40 a. m. over JVN (10.66), and 4 to 7:40 a. m. over JVT (6.75).

Advance Programs

KEY TO FREQUENCIES

(Megacycles or thousands of kilocycles shown)			
CJRO (Winnipeg, Canada)	6.15	JVM (Nazaki, Japan)	10.74
CJRJX (Winnipeg, Canada)	11.72	JVN (Nazaki, Japan)	10.66
COCD (Havana, Cuba)	6.13	KKH (Kahoku, Hawaii)	7.52
CRCX (Bowmanville, Canada)	6.09	PCJ (Huizen, Holland)	15.22
DJB (Zeesen)	15.20	PHI (Huizen, Holland)	11.73
DJC (Zeesen)	6.02	PLV (Bandoeng, Java)	9.42
EAQ (Madrid)	9.57	Pontoise (Pontoise, France)	11.71
GSA (Daventry)	6.06	PRADO (Riobamba, Ecuador)	6.62
GSE (Daventry)	9.51	PRF5 (Rio de Janeiro)	9.50
GSC (Daventry)	9.55	PRHO (Home)	8.61
GSD (Daventry)	11.75	VE9DN (Drummondville, Quebec)	6.00
GSE (Daventry)	11.86	VK2ME (Sydney, Australia)	9.59
GSE (Daventry)	15.14	VK3LR (Melbourne, Australia)	9.58
GSG (Daventry)	17.79	VK3ME (Melbourne, Australia)	8.51
GSI (Daventry)	15.26	VUB (Bombay, India)	9.05
GEL (Daventry)	6.11	VUC (Calcutta, India)	6.11
HAT4 (Budapest, Hungary)	9.12	W2XAF (Schenectady)	9.53
HBL (Geneva)	9.60	YV2HC (Caracas, Venezuela)	5.80
HBP (Geneva)	7.80		
HE9B (Bern, Switzerland)	14.23		
HC2RL (Guayaquil, Ecuador)	6.66		
HJ1ABE (Cartagena, Colombia)	6.12		
HJ5ABE (Medellin, Colombia)	5.93		
HRN (Tegucigalpa, Honduras)	5.87		

EST Shown; For CST Subtract One Hour

NEWS BROADCASTS

Daily—4:45 a. m., GSD, GSB; 7 a. m., VK2ME; 8 a. m., GSG, GSF; 10:50 a. m., VUC; 11:30 a. m., GSB, GSE; 1 p. m., GSB, GSD, GSI; 2:30 p. m., Pontoise; 5 p. m., GSB, GSC;

(Continued on Page 27)

On the Short Waves

(Continued from Page 25)

5:15 p. m., EAQ PRFS; 6 p. m., 2RD; 7:20 p. m., Ponteise; 8:15 p. m., DUC, DJB; 9 a. m., COCD; 10 p. m., CJRO, CJRX; 10:45 p. m., GSC, GSE; 12:05 a. m., JVX.
Sunday—9:30 a. m., PCJ.
Monday, Wednesday, Friday—11:15 a. m., YUB; 7:15 p. m., 2RD.
Tuesday, Thursday, Saturday—10:45 a. m., YUB.
Mon., Thurs., Fri., Sat.—9:30 a. m., PII.
Daily except Sunday—5:30 a. m., VK3LR.

SUNDAY, DECEMBER 8

4:30 a. m.—Sunday program (VK2ME).
8:30 a. m.—Ireland vs. Holland, tennis (PCJ).
8:30 a. m.—Catholic service (YV2RC).
9:10 a. m.—Church services (GSE, GSF).
9:30 a. m.—Baseball game (YV2RC).
10:30 a. m.—American hour (DJB).
10:45 a. m.—Eugene Paul's orchestra (GSA, GSE).
11 a. m.—Commerce hour, daily (COCD).
12 noon—Heavy program, daily (COCD).
1 p. m.—Cuban dance music, daily (COCD).
2 p. m.—Latin-American music, daily (COCD).
2:15 p. m.—Horse races (YV2RC).
3 p. m.—Educational program, daily (COCD).

4 p. m.—Classical music, daily (COCD).
5 p. m.—Major's program, daily (COCD).
5:45 p. m.—Hansel and Gretel (DUC).
5:45 p. m.—Sunday concert (DC2RJL).
6 p. m.—Good Sisters of America, daily (COCD).
6 p. m.—Sunday program (HATL).
6 p. m.—Church services (GSA, GSC).
6:50 p. m.—Bible drama (CJRX, CJRO).
7 p. m.—South American program, daily (COCD).
7:30 p. m.—Advent festival (DUC).
8 p. m.—Tunisian dance music, daily (COCD).
8 p. m.—Band concert (YV2RC).
8:30 p. m.—Baroque cantata (DUC).
9 p. m.—Newspaper of the Air, daily (COCD).
9:15 p. m.—Military concert (DUC).
9:30 p. m.—Music Appreciation hour (HJN).
10 p. m.—Church services (GSC, GSE).
10:30 p. m.—Lottery program, daily (COCD).
12 Mid.—Overseas hour (JVX).

MONDAY, DECEMBER 9

8:10 a. m.—Marines Flipo, pianist (PHD).
10:30 a. m.—American hour (DJB).
1:30 p. m.—Celebrity concert (GSA, GSD, GSE).
4 p. m.—Overseas hour (JVM, JVX).

Saturday, Dec. 14, Continued

WBZ—To be announced: WBZ
WKRC WHAS WBBM (am 6:12 6:06)

XBC—El Chico, Spanish revue;
WJZ KDKA WCKY WEW
WHAM (am 11:15)

KMON—Fiddle Time
WFCO—Studio Dancer

WGN—The O'Malley sketch
WLS—Henry Honeysuckle, Prairie Raiders

WWVA—Music Jamboree

8:15 p. m., EST 7:15 CST
★ NBC—Boston Symphony Orchestra;
WJZ WHAM KDKA
WCKY (am 11:15)

WBZ—Vocal & Vocalists' Orch.;
WGX WSAI

WFCO—Sunset Royal Entertainers

WLS—Hoover Hot Shots; Guest Artist

8:30 p. m., EST 7:30 CST
CBS—Musical Toast; Ray

Burk's Orch.; Jerry Cooper

Sally Snapp; Solon WABM

(am 6:12 6:06)

WBZ—Melodies of Yesterday;
WKEF WBBM

WMCN—Chamber of Commerce

WFCO—Dance Parade

WGN—The Dance Orchestra

WHA—Louisville Ensemble

WLS—Barn Dance Party

WSE—Cartoon Cancers

WWVA—Jack's Minutemen

WBZ—Richard Binder's Orchestra

8:45 p. m., EST 7:45 CST
WBZ—Soprano Simone's Orch.;
WKBW WEDM KMON WWVA

WGN—Richard Binder's Orch.

WSE—Delaine Brothers

9:00 p. m., EST 8:00 CST
★ NBC—Rubinoff & His Violin;

Virginia Rea, soprano; Jan

Pierre, tenor; Graham McNamee;

BEAF WTAM WLB

WGY WAVE (am 9:30)

★ CBS—Nina Martin, tenor;

Andie Kastelan's Orch. &

Chris; WGBH WHAS KMON

WBZ WHBM (am 6:12 6:06)

NBC—Boston Symphony Orch.;

(am 11:15 6:15)

News: WSAI WWVA

WFCO—Bill Lava's Orchestra

WGN—News; Sports

WLS—Barn Dance Jamboree

WSE—Pavilion Hostess; Porky

Dave Mason; Gilly Jaspers

9:15 p. m., EST 8:15 CST
NBC—Bassett Symphonic Choir

WJZ WHAM WCKY KDKA

11:57 6:10

MBS—Chicago Symphony Orch.;

WGN WSAI

9:30 p. m., EST 8:30 CST
★ NBC—The Chateau; Wallace

Berry, Mrs. Victor Young's

Orch.; WSEK WTAM WGY

WLS (am 9:30)

★ NBC—ALK-A-SELTZER PRESENTS National Barn Dance;

Maple City Fife, Henry

Burr, tenor; Uncle Ezra; Lulu

Belle; Verne, Lee & More;

Hoosier Hot Shots; Lamont

Lewis; True Twisters and

Others; WJZ KDKA WHAS

WLS WAVE (am 11:37 6:14)

CBS—Alice Radio Row; WABU

WFRM WWVA WBZ WHAS

(am 6:12)

KMON—Musical Manner; Solo

ist; Orchestra

WBZ—El Agricultural Ass'n Program

WCKY—Front Page Drama

WCPD—Gray Brothers' Orch.

WSE—Dive Liners; Carl Paulson's Jack's Mountaineers

9:45 p. m., EST 8:45 CST

WBZ—Billie Burke's Orch.

WCKY—Piano Recital

WCKY—On the Mall

WFCO—Sunset Royal Entertainers

10:00 p. m., EST 9:00 CST

WBZ—Bud Abbott's Orchestra

WABH WHAS WHRM (am 6:12 6:06)

WBZ—News

WFCO—Studio Dance

WCKY—Bill Lewis' Orchestra

WSE—Lasses & Hurts; Frost

Jar Drinker; Curly & Sallie; DeFord Bailey

WBZ—Fred Waring's Orch.

10:15 p. m., EST 9:15 CST

WBZ—Radio Parade

WFCO—Harry Belafonte's Orch.

WGBF—Dance Orchestra

10:30 p. m., EST 9:30 CST

WBZ—John Clegg's Club of Friends

WBZ—Lynn Cahill, Gilligan's Island

WBZ—Billie Burke's Orch.

WBZ—Alvarez Lanza's Orch.

WBZ—Up the North Pole

WBZ—Up the North Pole (GSE, GSBI)

WBZ—Up the North Pole (WTAM, WLB, WFRM)

WBZ—Up the North Pole, 1960 & poems

WTAM—Sammy Kaye's Orch.

WWVA—Living Miller, organist

WBZ—Lulu Belle; Uncle Ezra; Verne, Lee and Mary; Hoosier

Hot Sheet; WLW

WBZ—Alvarez Lanza's Orchestra

WBZ—WBZ WHAS KMON WFRM

WBZ—WBZ WHAS

WBZ—News; WJZ (am 9:30)

WBZ—Harold Stern's Orchestra

WBZ—WBZ WCKY WGY (am 9:30)

WBZ—News; Sports

WBZ—Frank Sinatra's Orch.

WBZ—Barn Dance

WBZ—Dixie Liners; Uncle Dave

Macon; Creek Brothers' Band

WTAM—Larry Smith's Orch.

WWVA—Veronica Miller, organist

11:15 p. m., EST 10:15 CST

WBZ—Behind the Law

WBZ—Harold Stern's Orchestra

(NBC)

WBZ—News; WJZ (am 9:30)

WBZ—Joe Sanders' Orch.

WBZ—Acco Bandito's Orchestra

WWVA—Midnight Jamboree

WBZ—News; WEAF (am 9:30)

WBZ—WBZ WCKY WGY (am 9:30)

WBZ—WBZ WHAS

WBZ—George Olsen's Orchestra

WBZ—End of Saturday Progms.

5:05 p. m.—Wonderland trip (DJC).

5:30 p. m.—Brazilian hour (PRFS).

6 p. m.—BBC orchestra (GSA, GSBI).

6:15 p. m.—Opera, Goyescas (2RD).

7 p. m.—New legislation (DJC).

7 p. m.—Blue bird (YV2RC).

7:15 p. m.—Travel talk (2RD).

7:15 p. m.—Unison Big Ben, talk (GSA, GSC).

7:30 p. m.—Young Melodies (GSA, GSC).

7:30 p. m.—Wishes (DJC).

7:45 p. m.—Tina Bari, violinist (2RD).

7:45 p. m.—Teaser brothers, stories (YV2RC).

8 p. m.—Berlin Codex band (YV2RC).

8:30 p. m.—Comfort (DJC).

8:30 p. m.—Amateur hour (YV2RC).

9:30 p. m.—Radio talk (YV2RC).

10 p. m.—Mrs. Byrne's Request (GSC, GSBI).

10:30 p. m.—Talk, South America (HJ4ABE).

11:10 p. m.—DX program (HJ4ABE).

12 Mid.—Overseas hour (JVX).

12:45 a. m.—Hawaiian program (KIK).

TUESDAY, DECEMBER 10

4 a. m.—Light and Shade (GSA, GSD).

6:30 a. m.—Enchantment (GSE, GSE).

9:05 a. m.—Oxford vs. Cambridge (GSE, GSB).

10 a. m.—American hour (PLV).

10:30 a. m.—American hour (DJB).

10:50 a. m.—BBC orchestra (GSA, GSD).

3 p. m.—Smoker match (GSA, GSD, GSBI).

4:30 p. m.—Novelty quartet (GSA, GSC).

5 p. m.—Embankment (GSA, GSC).

6 p. m.—The Valkyrie (DJC).

6:30 p. m.—Tease's mandolins (GSA, GSC).

6:35 p. m.—Mail log (WZAF).

6:45 p. m.—Blackstone in Schenectady (WZAF).

7 p. m.—Venetian music (YV2RC).

7:15 p. m.—Germany today (DJC).

7:30 p. m.—Military concert (DJC).

8:30 p. m.—UX program (YV2RC).

9:15 p. m.—Musical variety (DJC).

9:20 p. m.—Evening concert (HJ2LU).

10:15 p. m.—December Dynamic (GSC, GSBI).

10:30 p. m.—Talk, South America (HJ4ABE).

12 Mid.—Overseas hour (JVX).

WEDNESDAY, DECEMBER 11

6 a. m.—Shuttle (YV2RC).

7:15 p. m.—Short story (GSA, GSE).

7:30 a. m.—Moorside Edge (GSE, GSBI).

10:30 a. m.—American hour (DJB).

10:45 a. m.—Up the North Pole (GSE, GSBI).

2:30 p. m.—Halle concert (GSA, GSBI, GSBI).

5:05 p. m.—Invitation to the Dance (DJC).

6 p. m.—Claude Hopkins (GSA, GSC).

7:15 p. m.—Germany today (DJC).

7:30 p. m.—The Light (DJC).

7:45 p. m.—Amateur program (YV2RC).

9 p. m.—Band concert (YV2RC).

9:15 p. m.—Variety program (DJC).

9:20 p. m.—Ecuadorian music (PRADO).

10 p. m.—BBC Empire orchestra (GSC, GSBI).

10:30 p. m.—Talk, South America (HJ4ABE).

12 Mid.—Overseas hour (JVX).

FRIDAY, DECEMBER 13

6:45 a. m.—Opera recital (GSE, GSE).

9 a. m.—Blossom quartet (PHD).

10:30 a. m.—American hour (DJB).

2 p. m.—Program from Table (JVX).

2:40 p. m.—Young Ideas (GSA, GSD, GSBI).

3:40 p. m.—Shop Canal, story (GSA, GSD, GSBI).

5:05 p. m.—Talk, I Knew a Man (GSA, GSC).

5:05 p. m.—Madonnas hour (DJC).

6 p. m.—BBC Empire orchestra (GSC, GSBI).

6

On the Short Waves

Figures in Parentheses Denote Megacycles or Thousands of Kilocycles

EST Shown; For CST Subtract One Hour

IN HIS address to his people on Christmas Day last year His Majesty King George spoke of his "great and wide-spread family." This Christmas for the fourth year in succession the peoples of that family will exchange greetings over the world through short-wave radio.

At the beginning of the special BBC Christmas Day program carolers in London will sing God Bless the Ruler of the House, expressing in song the friendship and unity which is the spirit of Christmas. Then will follow ten sound pictures, five of them from various points in the British Isles and alternately one each from Canada, South Africa, India, Australia and New Zealand. In these sound pictures families will be heard all over the world united and happy in themselves, and through ties of kinship and common loyalty made true members of that "great and wide-spread family." The program on which King George will speak will open with the ringing of Christmas bells in the ancient city of Bethlehem.

Listen for this Empire broadcast which has become a short-wave institution Christmas morning at 9:20 a. m. over GSF (15.14), GSG (17.79) and GSD (11.75) and also over the facilities of the Columbia Broadcasting System in the United States.

A British short-wave listener, M. R. Lawton of Manchester, states that at 11 a. m. daily the Italian stations broadcast a war zone bulletin direct from Asmara via the Italian stations at Coltno, Italy. One of the Asmara stations used for this broadcast is ITX, on 10.714 megacycles.

Soon an NBC transmitter using the call letters WOEII will be put on board one

By Chas. A. Morrison

of the trans-Pacific ocean-hopping Pan-American clippers, probably the China Clipper, and an NBC announcer will bring to your loudspeakers the thrill of thrills, a running account of crossing the mighty Pacific by air. Short-wave listeners may tune for the signals of WOEII as it is carried farther and farther over the boundless wastes of the Pacific. WOEII is a 100-watt transmitter, especially designed for air-craft use, and crystal controlled. It will operate on 2.76; 4.797; 8.655 and 12.862 megacycles depending upon the time of day or night the transmissions are being made. WOEII will keep in contact with the Bolinas stations in California, and also with Kahuku, Hawaii, stations KRO (5.845), KIO (11.68) and KKII (7.52).

Venezuela speaks from a new station, YVI2RM. It is located at Maracay, Venezuela, and broadcasts on approximately 6.31 megacycles. YVI2RM comes through exceptionally well throughout the evening. According to the Chicago Short Wave Radio Club the address of YVI2RM is Avenida Bolivar Num. 125 and the title of the station, which is owned by Jose R. Gomez, is Emisora 24 de Julio.

A rare DX catch is CR7AA, Laurencio Marques, Mozambique, Portuguese East Africa, which is broadcasting at present on 6.135 megacycles. This station tests Saturdays and Sundays in the mornings and up until 1:30 p. m. It recently has been heard in the vicinity of Los Angeles.

Paul Dilg of Evanston, Illinois, is hearing IHH2S, Port-au-Prince, Haiti (6.178), daily except Sunday from about 7 to 10

p. m. IHH2S relays broadcast station IJHK. Announcements are made in French and English. According to Mr. Dilg, VK3ME, Melbourne, Australia, is not on 9.51 megs any more, but actually transmits on 9.49 megs. The change probably was made so as not to interfere with GSB on Transmission Number One.

W2XE, popular broadcasting station of the Columbia network, is now operating on a newly authorized frequency of 17.76 megacycles from 11 a. m. to 1 p. m. daily.

According to the BBC Empire schedule sheet, GSF (15.14) has replaced GSD (11.75) in Transmission Number One, from 3:30 to 5:30 a. m. GSF broadcasts simultaneously with GSB (9.51) on this schedule.

Our guess for the points of origination for the British Empire broadcast of Christmas Day will include VWY, Kirkee, India (17.54), ZSS, Cape Town, South Africa (18.89), and VLK, Sydney, Australia (10.52). Short-wave DXers may want to try for these points while the program is in progress. We will appreciate any reports.

For the most complete schedule of short wave programs ever printed, including a list of special Christmas broadcasts, and a Shortwave Timetable of principal stations throughout the world, see Page 28 of this issue.

Uncle Ezra

The Old Jumping Jenny Wren
—Himself—

Advance Short Wave Programs

See page 27 for news and information about short wave programs
EST Shows; For CST Subtract One Hour

KEY TO FREQUENCIES

(Megacycles or thousands of kilocycles shown)
CJRC (Winnipeg, Canada) 6.10 KBN (Tegucigalpa, Honduras) 5.87
CJRC (Winnipeg, Canada) 11.72 RTV (Vatican City) 15.15
CCOC (Ravenna, Cuba) 6.13 JPS (Nagasaki, Japan) 10.74
CRCA (Brownsville, Tex., Canada) 6.09 JPS (Nagasaki, Japan) 10.66
DJB (Zurich) 12.83 JPS (Nagasaki, Japan) 12.83
DJC (Zurich) 8.03 JPS (Nagasaki, Japan) 9.81
FARAE (Tessenderlo, Canary Islands) 7.21 KRN (Tegucigalpa, Hawaii) 7.22
FAQ (Madrid) 8.87 PCJ (Rome, Holland) 19.88
FTV (Paris) 11.71 PHM (Milan, Holland) 11.71
GSA (Daventry) 6.05 PHM (Milan, Holland) 11.73
GSB (Daventry) 8.81 PHM (Milan, Holland) 11.73
GSC (Daventry) 8.86 Ponteia (Porto) 11.73
GSD (Daventry) 11.75 PRF (Paris, France) 11.71
GSE (Daventry) 11.88 PRADO (Bisbona, Ecuador) 6.02
GSO (Daventry) 11.78 PRF (Paris, France) 11.73
GSI (Daventry) 11.82 RNE (Moscow, Russia) 12.00
GSL (Daventry) 6.11 RNE (Moscow, Russia) 9.04
MAB (Budapest, Hungary) 15.87 VEJDE (Drummondville, Quebec) 6.00
MAT (Budapest, Hungary) 8.12 VENKE (Sydney, Australia) 9.09
MBS (Grenada) 8.03 VESLR (Melbourne, Australia) 9.06
MCCR (Guayaquil, Ecuador) 6.08 VENKE (Melbourne, Australia) 9.15
MJIABE (Cartagena, Colombia) 6.12 WEXAY (Schenectady, N.Y.) 9.83
MJIABE (Medellin, Colombia) 1.83 YVRC (Caracas, Venezuela) 5.88
MKRR (Panama City) 6.03

SATURDAY, DECEMBER 21

3:15 p.m., 7:30 p.m., 9:45 p.m.—Special Christmas program (KAEM).

SUNDAY, DECEMBER 22

6 a.m.—Week's review (RNE).
9 a.m.—Budapest program (MASI).
9:30 a.m.—Vatican City program (HVJ).
9:40 a.m.—Roman Catholic program (PCJ).
10 a.m.—Work's review (RNE).
10:30 a.m.—American hour (DJB).
11 a.m.—Commerce hour, daily (COCD).
12 noon—American hour (DJB).
1 p.m.—Cuban dance music, daily (COCD).
2 p.m.—Latin American music, daily (COCD).
2:15 p.m.—Horse races (YV2RC).
2:55 p.m.—Religious service (GSA, GSD, GSL).
3 p.m.—Educational program, daily (COCD).
4 p.m.—Classical music, daily (COCD).
5 p.m.—Mayor's program, daily (COCD).
5:05 p.m.—Winter joys (DJC).
5:45 p.m.—Sunday concert (HC2RL).
6 p.m.—Good Sisters of America, daily (COCD).
7 p.m.—Sunday evening program (DJC).
6 p.m.—Margaret's service (GSA, GSC).
6 p.m.—Budapest program (MASI).
6 p.m.—Bible drama (CJHO, CJRX).
6:30 p.m.—Dance music (YV2RC).
6:45 p.m.—BBC Empire orchestra (GSA, GSC).
7 p.m.—South American program, daily (COCD).
7:30 p.m.—Ristic legend, play (DJC).
8 p.m.—Cuban dance music, daily (COCD).
8 a.m.—Variety show (YV2RC).
8:30 p.m.—Rock concert (DJC).
9 p.m.—Newspaper of the air, daily (COCD).
9:15 p.m.—Military concert (DJC).
9:30 p.m.—Music Appreciation hour (HRN).
10 a.m.—Dances songs (GSC, GSL).
10:30 p.m.—Lottery program, daily (COCD).
12 mid.—Overseas hour (JVN).

MONDAY, DECEMBER 23

6:45 a.m.—British orchestra (GSC, GSF).
8:10 a.m.—Syncopates (PHD).
10:30 a.m.—American hour (DJB).
11 a.m.—Christmas carols (GSE, GSD).
11:15 a.m.—Illustration Gypsy band (GSE, GSL).
2:15 p.m.—Aladdin (GSA, GSD, GSL).
3 p.m.—Carols (GSA, GSD, GSL).
4 p.m.—Overseas hour (JVN, JVP).
4 p.m.—Anthropology, talk (RNE).
5:30 p.m.—Brazilian hour (PRF).
6 p.m.—Organ recital (GSA, GSC).
6:15 p.m.—Christmas Goodies (DJC).
6:35 p.m.—Christmas concert (YV2RC).
6:30 p.m.—Route program (ZRO).
7 p.m.—Blue band (YV2RC).
7:45 p.m.—Tuxedo brothers, duo (YV2RC).
8 p.m.—Sergio Colino band (YV2RC).
8:30 p.m.—Night Before Xmas Eve (DJC).
8:30 p.m.—Antarctic hour (DJC).
9:15 p.m.—Laugh music (DJC).
9:15 p.m.—Metal required, comedy (YV2RC).
10:30 p.m.—Wanted for Murder (GSC, GSL).
11:10 p.m.—Talk, South America (MJIABE).
12 mid.—Overseas hour (JVN).
12:45 a.m.—Hawaiian program (KKII).

TUESDAY, DECEMBER 24

6:35 a.m.—Organ program (GSC, GSF).
9:15 a.m.—Christmas pantomime (GSC, GSL).
9:30 a.m.—Vatican City program (HVJ).
10:25 a.m.—Carol service (GSC, GSL).
10:30 a.m.—American hour (DJB).
11 a.m.—Wanted for Murder (GSE, GSD).
2:30 p.m.—St. George (GSA, GSD, GSL).
4 p.m.—Carol service, chorus (GSC, GSC).
5 p.m.—French Christmas cards (YV2RC).
5:05 p.m.—Songs (DJC).
6 p.m.—Christmas carols (DJC).

World Short Wave Timetable

Me- ters	Sta- tion	Loca- tion	EST shown; subtract one hour for CST. Stations broad- cast daily at hours given unless otherwise noted.
16.87	17.76 W3XAL	Bondu Brook, N. J.	3 to 4 P.M., 9 to 10 P.M., daily except Sunday
16.89	17.76 DJE	Germany	8 to 11:30 A.M.
16.89	17.73 PHI	Holland	8:30 to 11 A.M., except Sun., Tues., and Wednesday
16.86	17.79 GSC	England	6 to 10:15 A.M.
19.51	15.37 HAS3	Hungary	9 to 10 A.M., Sunday
19.57	15.33 W2XAF	Schweinfurt, N. Y.	2 to 3 P.M.; 10:30 A.M. to 4 P.M., Sunday
19.63	15.38 DJO	Germany	8 to 11:30 A.M.
19.64	15.27 W2XE	Wayne, N. J.	11 A.M. to 6 P.M.
19.66	15.26 GST	England	12:15 to 2:15 P.M.
19.68	15.24 PONTOISE	France	7 P.M. to 1 A.M.
19.71	15.22 PCJ	Holland	3 to 6 A.M., Tuesday; 7 to 11 A.M., Wednesday; 8 to 11 A.M., Sunday
19.72	15.21 WSXK	Pittsburgh, Pa.	6 A.M. to 3:15 P.M.
19.74	15.20 DJB	Germany	9 to 11:30 A.M.
19.82	15.14 GSF	England	6 A.M. to 12 Noon
19.84	15.12 HVJ	Vatican City	10:30 to 10:45 A.M.
21.39	12.33 CNR	Morocco	7:30 to 9 A.M., Sunday
24.20	12.00 CTIGO	Portugal	9 to 10:30 A.M., Sun.; Noon to 1:15 P.M., Thurs., Fri., Sat.
25.00	12.00 RNE	Moscow	6 A.M., 10 A.M., 4 P.M., Sunday; 4 P.M., Monday;
25.21	11.90 PONTOISE	France	6 A.M. to 6 P.M., Friday
25.27	11.87 WSXK	Pittsburgh, Pa.	12 Noon to 6 P.M.
25.28	11.86 GSE	England	3:30 to 10 P.M.
25.36	11.83 W2XE	Wayne, N. J.	9 A.M. to 12 Noon
25.57	11.73 PHI	Holland	2 to 4 P.M.
25.42	11.81 ZRD	Italy	8:30 to 10:10 A.M., except Tues. and Wednesday
25.51	11.77 DJB	Germany	8:15 to 10:15 A.M., Sun.; 10:30 to 1 P.M., 1:45 to 2:30 P.M.
25.53	11.75 GSD	England	None to 4:30 P.M.; 5:05 to 10:30 P.M.
25.60	11.72 CJRX	Canada	2:30 to 4 P.M.
25.60	11.73 PONTOISE	France	6 to 11 P.M.; Sat., 3 to 12 Mid.
25.65	11.70 HJ4ABA	Colombia	7 to 10 P.M., 11 P.M. to 1 A.M.
27.93	10.74 JVJ	Japan	6:30 to 10:30 P.M.
28.14	10.66 JVN	Japan	1:40 to 2:20 A.M.; 4 to 7:40 A.M.
29.04	10.33 DRK	Belgium	12 Mid. to 1 A.M., 4 to 7:40 A.M.
30.43	9.87 EAQ	Spain	1:30 to 3 P.M.
31.25	9.64 ZRD	Italy	2:15 to 7:30 P.M.
31.25	9.60 CTIAA	Portugal	6 to 9 P.M., Mon., Wed., and Fri.
31.27	9.60 HBL	Switzerland	4:30 to 7 P.M., Tues., Thurs., & Saturday
31.27	9.57 LKJ1	Norway	5:30 to 6 P.M.
31.28	9.59 VK2ME	Australia	5 to 9 A.M.; 9:30 to 11:30 A.M., Sunday
31.30	9.58 GSC	England	11 A.M. to 7 P.M.
31.32	9.58 VK3LR	Australia	4:15 to 5:45 P.M.
31.35	9.57 WTKX	Springfield, Mass.	3:15 to 7:30 A.M., except Sunday
31.36	9.65 VUB	India	6 A.M. to 12 Mid.
31.38	9.57 DJA	Germany	8:30 to 10:30 A.M., Sunday
31.45	9.55 LCL	Norway	5:05 to 9:15 P.M.
31.45	9.54 DJH	Germany	5:05 to 10:45 P.M.
31.48	9.53 W2XAF	Schweinfurt, N. Y.	4 P.M. to 12 Mid.
31.55	9.51 GSB	England	6:15 to 5:45 P.M.
31.55	9.51 VK3ME	Australia	7 to 6:30 A.M., Wed., Thurs., Fri.; 5 to 7 A.M., Sat.
31.57	9.50 PRFS	Brazil	5:30 to 6:15 P.M.
31.70	9.42 COCH	Cuba	4 to 5:30 P.M., 8 to 10 P.M.
32.88	9.12 HAT4	Hungary	6 to 7 P.M., Sunday
33.31	8.04 CRH	Moscow	3 to 5:30 P.M., Sunday
38.47	7.80 HBP	Switzerland	5:30 to 6:15 P.M., Saturday
40.55	7.40 HJ3ABD	Colombia	7 to 11 P.M., except Sunday
41.21	7.28 HJ4ABA	Colombia	7:45 to 9:15 P.M., ex. Sunday
42.25	7.10 HKE	Colombia	Tuesday & Saturday 8 to 9 P.M.
44.03	6.81 HIN	Dominican Republic	3 to 4 A.M., Sunday
44.71	5.71 TIPE	Costa Rica	7 to 10 P.M., except Sunday
45.00	6.66 HC2RL	Ecuador	5:45 to 8 P.M., Sunday; 9:35 to 11:15 P.M., Tuesday
45.31	6.62 PRADD	Ecuador	9 to 11 P.M., Thursday
45.54	5.59 NH4B	Dominican Republic	4:40 to 7:40 P.M., except Sunday
46.01	5.52 VV6RV	Valencia	6 to 10 P.M.
46.23	5.45 HJ5ABD	Colombia	7 to 10 P.M., except Sunday
46.60	5.45 HJ1ABB	Colombia	6 to 10 P.M.
46.88	5.45 YNIGG	Nicaragua	7:15 to 10:15 P.M.
46.88	5.45 YV4RC	Venezuela	4:40 to 9 P.M., except Sunday
47.06	5.37 YV4RC	Venezuela	11 P.M. to 12:30 A.M.
47.50	5.31 HIZ	Dominican Republic	6 to 11:30 P.M., Wednesday
48.15	6.23 DAX4B	Peru	8 to 10 P.M.
48.23	6.22 HJ2ABA	Colombia	6:20 to 7:30 P.M.; Sunday 10:30 A.M. to 12 Noon
48.40	6.20 CTIGO	Portugal	6:40 to 9:40 P.M., except Sunday
48.50	6.19 HDIA	Dominican Republic	7 to 11 P.M., except Sunday
48.62	6.17 HJ3ABF	Colombia	5:30 to 9 P.M.
48.78	6.15 YV3RC	Venezuela	1:30 to 4:30 P.M.; 10:30 to 11 P.M.
48.83	6.15 CD9GC	Cuba	6 to 11 P.M.; Sat., 4 to 9:30 P.M.; Sat., 3 to 12 Mid.
48.86	6.14 WEXK	Pittsburgh, Pa.	3:30 P.M. to 12 Mid.
48.92	6.13 ZGE	Malaya States	Sunday, Tuesday & Friday 6:40 to 8:40 A.M.
48.94	6.13 LKJ1	Norway	11 A.M. to 6 P.M.
49.02	6.12 W2XE	Wayne, N. J.	5:30 to 10 P.M.
49.02	6.12 YDAS	Java	5:30 to 10 A.M.
49.05	6.12 HJ1ABE	Columbia	7:20 to 9 P.M., Mon. and Wed.
49.06	6.11 YV2RC	Venezuela	5:15 to 10 P.M.
49.10	5.11 GSL	Iceland	10 to 11 P.M., Daily
49.18	6.10 W3XAL	Bound Brook, N. J.	4 to 5 P.M., Mon., Wed., Sat.; 11 P.M. to Mid.
49.18	5.10 W9XF	Chicago, Ill.	8 to 9 A.M.; 12 Noon to 1 P.M.
49.26	6.09 CRCX	Bowmanville, Ontario	6:30 to 11:30 P.M.
49.34	6.08 VE1HX	Barbados	7:45 to 9:15 P.M.
49.34	6.08 W9XAA	Nova Scotia	8 to 10:30 A.M.; 3 to 10 P.M.
49.40	6.07 DER2	Chicago, Ill.	1 to 2:30 P.M., Sunday
49.45	6.07 HIN	Austria	Mon., Wed., and Sat., 6:30 to 9 A.M.
49.50	6.06 WEXAL	Colombia	6 to 11 P.M.
49.59	6.05 GSA	England	1 to 7 P.M.; Sun., 11 A.M. to 7 P.M.
49.67	5.04 HJ1ABB	Colombia	7 to 10 P.M.
49.67	5.04 WIXAL	Boston, Mass.	7:30 to 10 P.M.
49.75	5.03 HP56	Panama	5:05 to 10:45 P.M.
49.83	5.02 DJC	Germany	7 to 11 P.M., except Sunday
49.83	5.02 HJ3ABH	Columbia	4 to 7 P.M., 8 to 10 P.M.
49.90	5.01 COCO	Cuba	8:10 to 10:10 P.M., Friday
50.16	5.08 H1X	Dominican Republic	7:40 to 10:30 P.M.
50.42	5.01 HJ1ABE	Colombia	6:30 to 9 P.M., except Sunday
51.11	5.07 HJ2ABC	Colombia	5:15 to 10 P.M., except Sunday
51.28	5.05 YVSRM0	Venezuela	7 to 10 P.M., except Sunday
51.46	5.03 TIGP	Costa Rica	5:15 to 9:30 P.M.
51.72	5.00 YV2RC	Venezuela	9 to 11:30 P.M., Wednesday and Saturday
51.90	5.03 DAX4D	Peru	9:30 to 10:45 P.M., Wed. and Sat.
65.22	4.60 HC2ZET	Ecuador	4:30 to 9:30 A.M.
67.11	4.47 YDB	D. E. L.	