

SHORT WAVES

BY CHAS. A. MORRISON, president, INTERNATIONAL DX-ER'S ALLIANCE

Broadcasts mentioned below are Eastern Standard Time. For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours.

Both of General Electric's International stations in Schenectady, New York, W2XAD and W2XAF, will be on the air continuously and simultaneously for 40 hours from 9 a.m. EST on Friday, December 31, until 1 a.m. EST Sunday, January 2, 1938, so that short-wave listeners all over the world may enjoy the programs broadcast in connection with the New Year's celebration. Dance bands from Coast to Coast will greet the arrival of the year 1938 in the various time zones.

Through the cooperation of NBC, the New Year's broadcast of the Sugar Bowl football game from New Orleans, will be heard at 2 p.m. EST on January 1, with the Rose Bowl game at Pasadena, Calif., following at about 4:45 p.m. EST.

Of particular interest to opera-lovers, will be the broadcast over 2RO3 (9.635), Rome, on Sunday, December 26, at 7:45 p.m. EST, featuring a running commentary from the Royal Opera House, upon the occasion of opening night.

Listeners to Daventry, England, will hear the following feature broadcasts this week: A program direct from the Church of the Nativity in Bethlehem will be heard on Sunday, December 26, at 12 noon EST. The transmission is being designed to reflect Christmas in its true home and will include, it is hoped, the bells of Bethlehem and singing by a choir in the Church of the Nativity, as well as a description of the Holy Places . . . On Sunday, December 26, at 3 p.m. EST, a special religious ceremony will be broadcast from Lambeth Palace, for more than seven hundred years the London home of the Archbishops of Canterbury. The address will be given by the Lord Archbishop of Canterbury.

The past, present, and future of the Empire Service from Daventry, which is now five years old, will be discussed in a talk by J. B. Clark, director of the Empire Broadcasting Service, on Friday, December 31, at 5 p.m. EST . . . Before "Big Ben" strikes midnight, thus ushering in the New Year in Great Britain, a Watchnight Service will be broadcast from the Concert Hall in Broadcasting House, London, at 6:45 p.m. EST, on Friday, December 31. The first broadcast of 1938 from Daventry, starting at 7:01 p.m. EST, will show listeners how the New Year is being welcomed in different parts of the country—in remote villages as well as in important centers. Starting at 8:05 p.m. EST, a broadcast will be radiated from the Chelsea Arts Ball at the Albert Hall, London. This is one of the most famous and gala events of the year.

The new French broadcasting station at Essarts, near Paris, first announced in this column last week, is being heard irregularly between 5 and 8 p.m. EST, on one of the following frequencies: 6.04, 9.55, or 11.845 megs. No English announcements have been heard so far, and the broadcasts consist for the most part of semi-classical selections, apparently relayed from one of the Paris broadcast stations.

The first broadcast in the series from Northwest River, Labrador, which was scheduled for Sunday, December 12, was canceled owing to a last-minute emergency trip which the operator, Tommy Cunningham, was forced to make, thus leaving no one at the station to direct the program . . . Another

Labrador station which has been coming in quite well of late is VO8J (14.272). This is a private commercial transmitter owned by an aircraft company, which also serves as a meteorological station for the Canadian government. The location is Sand Girt Lake, 300 miles above the Gulf of St. Lawrence.

E. H. Clark of Hollister, Calif., heard a new station announced as ZRX, between 10:33 and 11 a.m. EST. Although the announced frequency was 6.1, the station actually came in on approximately 6 megs.

Following is a complete list of the commercial stations at Bolinas, Calif., as furnished Earl Roberts of Indianapolis, Ind., by the Federal Communications Commission: KRR (2.776), KEF (6.71), KEN (6.845), KEL (6.86), KEB (6.89), KEE (7.715), KET (8.48), KEI (9.49), KER (10.39), KEZ (10.4), KES (10.41), KKQ (11.95), KKZ (13.69), KLL (13.72), KKW (13.78), KWE (15.43), KKR (15.46), KKL (15.475), KEM (15.49), KQZ (17.88), KQQ (18.00), KQJ (18.02), KQR (18.04), KUN (18.06), KMM (20.78) and KSS (20.82).

The new short-wave station for Singapore, Straits Settlements, is under construction and if all goes well, will be on the air about next March. The suggested frequencies are 6.0125, and 9.53 megs.

W1XAL of Boston, Mass., will receive an increase in power from 20,000 to 50,000 watts if the petition of the World Wide Broadcasting Corporation to the Federal Communications Commission is successful . . . The Columbia Broadcasting Corporation has requested permission to add a new frequency of 25.75 megs to those already in use by Short-Wave Station W3XAU of Philadelphia.

Cyril B. Will of Kenilworth, Ill., reports the new Cuban COCA, was heard testing on a frequency of 9.06 megs, Sunday at 6 p.m. EST. The station relays Broadcast Transmitter CMCA in Havana . . . The new Italian Short-Wave Stations 2RO5 (15.17), and 2RO6 (15.3), may be heard testing and relaying the programs of 2RO3 at irregular intervals. Starting in February, these transmitters will adopt a regular schedule of broadcasting.

The international race for supremacy in the short-wave field is on. Present stations are being made more and more powerful, while new stations are being constructed at a feverish rate. From present indications it won't be many years until short-wave programs from the far corners of the earth will be competing in popularity with the best network offerings in this country.

Starting with this week, transmission number six, from Daventry, England, will commence at 9:15 p.m. EST, instead of 9 p.m. EST as heretofore. Sign off will be at 11:15 p.m. EST under the new schedule.

Ray Shaffer of Waterloo, Ia., writes that on Sunday, December 5, two of the most interesting stations on the air, namely VP3THE (13.74), base-camp transmitter of the Terry-Holden Expedition in Southern British Guiana, and OX2QY (14.368), winter-camp transmitter of the MacGregor Arctic Expedition at Reindeer, Greenland, were successful in establishing a two-way contact. During the course of the conversation Captain MacGregor said

the sun had been gone for two months, but that occasionally there was enough light from the moon and stars so they could see well enough to prevent them from stumbling over any obstacles. He said they had seen many foxes, some as white as the snow upon which they ran. A few gulls, and some birds resembling the American crow had also been observed.

Orrin W. Hungerford, the operator of VP3THE, related that they had lost track of the advance party, and that it had been several days since they had been able to contact them. When he had last heard from Dr. Holden, he said, they had already made a good collection of birds, animals and herbs . . . VP3THE may often be heard working North American amateurs, utilizing frequencies of either 14.3 or 14.11 megs.

Roy Waite of Ballston Spa, N. Y., was fortunate enough to tune in FZE8 (17.28), of Djibouti, French Somaliland, on the morning of December 2, at 8:05 a.m. EST, when this station, which normally is used for C. W. transmissions, was testing with voice, saying "Allo, Allo, Ici Djibouti," over and over again.

Clarence Hartzell of Jeannette, Pa., informs me that a communication he has received from the Australia Broadcasting Commission, states that the call of VK3LR (9.58), Melbourne, has been changed to VLR. Pending the replacement of the present transmitter with a high-power one, the present power is being doubled . . . An unconfirmed report states that the call of VK3ME (9.5), Melbourne, is to be changed to VK3LR. This station is an experimental one owned by Amalgamated Wireless, while VLR is owned by the government.

The 10-meter (28 megs) band is a happy hunting-ground for long-distance reception these days. On Sunday, December 12, between 9:30 and 10:30 a.m. EST, I logged ZE1JR in Southern Rhodesia, GSML in Kenilworth, England, GM6RG in Scotland, VP9R in Bermuda, VE1BR in Nova Scotia, CO2LV in Cuba, and YV5AA in Caracas, Venezuela. VK2GU (28.06), in Australia, is being heard with strong signals near 7 p.m. EST.

The appropriation of nearly two million shillings for the construction of a powerful Viennese short-wave station near Vienna. Within a year's time the music of Lehar and Strauss will be bounding into this country with an impetus of 50,000 watts . . . The first of India's new 10,000-watt short-wave transmitters has been completed by the British Marconi Company, and has been slated for opening early in 1938.

The Netherlands government is constructing a high-power transmitter at Jaarsveld in the neighborhood of the city of Utrecht which, it is hoped, will be on the air by the beginning of 1938.

THE FACE IS FAMILIAR

Without make-up, the faces on page 24 are those of:

Top left: Fred Allen.

Top right: Morris "Lum" Goff (left) and Chester "Abner" Lubck.

Bottom left: Elmer "Senator Frankenstein Fishface" Vincent.

Bottom right: Lou Lubck (left) and Bert Swar.

Log of Short-Wave Stations Whose Programs Are Listed

(Metrescyles or thousands of kilocycles a day)

CJRX, Canada	6.15	JV1, Japan	9.855
CJRX	11.75	JFJ, " "	11.80
COCB, Cuba	9.63	JEM, " "	15.10
COZC, " "	9.63	KIO, Maxwell	11.68
COCD, " "	6.12	KRM, " "	7.52
COCH, " "	9.42	KMF, " "	16.03
COCO, " "	9.82	Klipheuvel,	"
COCG, " "	9.75	South Africa	9.68
COOF, " "	11.805	LIRU, Argentina	18.29
CRW, Portugal	9.84	LIRX, " "	9.86
DJB, Germany	15.35	LSK, " "	16.55
DJC, " "	9.89	OLR3A, Czechoslovakia	"
DJD, " "	11.77	OLR4A, " "	9.85
DJL, " "	11.77	OLR4A, " "	11.84
EAJ43, Canaries	18.37	OLR8A, " "	18.23
EAR, Spain	9.49	ORK, Belgium	10.23
EBAB, Spanish Morocco	14.60	OSF, Denmark	9.59
TMK8, S.S. Netherlands	13.275	PJ1, Holland P. 9.99	17.778
FOSAA, Tahiti	7.12	PLAOG, Ecuador	9.02
GSA, England	9.04	PSH, " "	10.39
GSE, " "	9.82	RAN, U.S.S.R.	9.10
GSC, " "	9.82	RKI, " "	7.54
GSD, " "	11.75	RKE, " "	18.00
GSF, " "	18.14	RKV, " "	4.273
GSO, " "	17.79	RV50, " "	8.00
GRI, " "	21.67	RVD, Poland	11.1
GEI, " "	18.26	SPW, " "	18.64
GBJ, " "	21.52	TFJ, Iceland	19.23
GBL, " "	9.11	TPA3, France	15.29
GBO, " "	18.38	TPA3, " "	11.89
GBP, " "	15.31	TPA4, " "	11.71
HASS, Hungary	15.37	VEDOM, Canada	9.000
HATA, " "	9.19	VK2ME, Australia	9.38
HBBM, Switzerland	19.45	VK3LR, " "	9.38
HBL, " "	18.52	VK3ME, " "	9.51
HBL, " "	9.34	VPDR, Fiji	9.94
HBO, " "	11.603	WIXAL, Boston, Mass.	"
HBF, " "	7.80	WIXAL, Mexico, D. F. P. 18	18.38, 11.79, and 6.64
HCBRL, Ecuador	6.65	WIXAL, Mexico, D. F. P. 18	"
HMBL, Haiti	8.928	WIXAL, " "	9.179
HJIADK, Colombia	9.8	YFOX, China	9.8
HJIADK, " "	9.818	YBD, El Salvador	1.994
HPAA, Panama	11.7	TVBRC, Venezuela	9.88
HPAA, " "	9.60	ZBWC, China	9.523
HS5PJ, Siem Reap, 15.81	15.81	ZF03, Italy	9.635
HVJ, Vatican City	15.19	ZF04, " "	11.81
JDV, Kwantung	9.828	ZML, S.E. Keelung	8.81
JVN, Japan	18.88	ZVN, " "	"

Short-wave programs of American stations are shown along with the regular ratings beginning on page 82. Those are indicated, for example, by (ew-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:30 a.m.	JZJ; 4:35, GSB, GSD, GSC, GSO; 7:30, NGON; 7:45, JDY; 8:30, GSG, GSII, GSO; 8:35, JZJ; 11, GSD, GSF, GSG, GSH; 11:10, 2103; 1 p.m., GSB, GSD, GSG, GSI; 2:40, 2103; 3, OLR4A; 3:10, TPA3; 4, GSB, GSD, GSO; 4:45, EA9AH; 6:30, EAH, HPSA; 7, EA9AH, HPSJ, RAN, RKE; 7:15, CSW; 7:30, EA9AH; 7:35, 2103; 7:40, GSB, GSD; 8:15, EA9AH, DJB, DJD; 10:25, GSB, GSC, GSD; 10:30, DJB, DJD; 10:45, CJRO, CJRX; 11:30, TPA4.	
Daily except Sundays—6 a.m.	VK3ME; 7:30, VK3LR.	
Sun., Mon., Wed., Fri.—4 p.m.	RNE.	
Mon. & Thurs.—10:30 p.m.	OLR3A.	

Sunday, December 26

5:45 a.m.—BBC Empire orchestra: GSB, GSO.	
6 a.m.—Broadcast from Northwest River, Labrador, VOGD (14.28)	
7 a.m.—Program from S. S. Kaninibla: 9M1	
7 a.m.—Program from Darien, Kwantung: JDY	
8 a.m.—Variety program: DJL	
8 a.m.—International Church: COCQ	
8 a.m.—Overseas hour for Australia: JZJ	
8:45 a.m.—Christmas Concert from the "Groote Kerk": PH1	
10 a.m.—Black Dyke Mills band: GSF, GSC	
12 noon—Christmas in Bethlehem: GSD, GSF, GSC SUZ (13.82)	
12:40 p.m.—St. Moritz Yodellers: GSD, GSF	
1:25 p.m.—Play, "Three Strangers": GSC, GSI	
1:30 p.m.—Cultural activities: W3XAL (17.78)	
1:40 p.m.—Iceland hour: TFJ	
2 p.m.—Jacques string orchestra: GSI, GSP	
*2 p.m.—Danish program: OZF	
3 p.m.—Address by Archbishop of Canterbury: GSC, GSP	
3 p.m.—New York Philharmonic orchestra: WIXAL (11.79)	
4 p.m.—Chapel organ: W2XAF (9.53), W2XAD (15.33)	
4:30 p.m.—Overseas hour (East): JZJ, JZJ	
4:50 p.m.—London Symphony orchestra: GSD	
*4:55 p.m.—Greetings to listeners: DJB, DJC	
5 p.m.—Christmas tray: DJB, DJC, DJD	
5:30 p.m.—Dance orchestra: YVSRC	
*6 p.m.—American hour from Poland: SPD, SPW	
7 p.m.—Chimes and church services: WIXAL (6.04)	
*7 p.m.—Brazil on the Air: PSII (10.22)	
7 p.m.—Happy program: PCJ (9.59)	
*7 p.m.—Program from Moscow: RAN, RKE	
7:30 p.m.—Light from home: DJB, DJC, DJD	
7:45 p.m.—Opening Night at the Royal Opera House, Rome: ZR03	
8 p.m.—Smugglers and the King's Customs: GSC	
8 p.m.—La Orquesta Cugat: YVSRC	
8 p.m.—Complete opera: COCQ	
8:30 p.m.—Songs and old customs: DJB, DJC	
*9 p.m.—Caruso's tango band: LRX	
*9 p.m.—El Salvadorian program: YSD	
9:15 p.m.—Play, "Christmas on the Seas": DJB, DJC, DJD	

9:35 p.m.—Cambridge Heath Salvation Army band: GSC, GSD

*11:45 p.m. (ea. Sat.)—Program from South Africa: Klipheuvel (9.61)

12 mid.—One hour with the Bible: COCQ
12:20 a.m.—Dance music: HPSA
12:30 p.m.—Overseas hour (Pacific Coast): JZJ
1 a.m.—English DX program: XEIZ
*3 a.m.—English programs from Siberia: RV15

Key to Symbols Used: *Daily; tWeek Days;
MMonday, Wednesday, Friday; EMonday, Thursday;
TTuesday, Thursday, Saturday; TTuesday,
Wednesday, Thursday.

Monday, December 27

9:30 a.m.—Fiji hour: VPD2
10:15 a.m.—Play, "The Lamp of Aladdin": GSC
8:30 a.m.—Dinner broadcast: HSEPI (5.51)

8:45 a.m.—Oriental variety: ZHW3

8:15 a.m.—Miss Takako Namba, vocal selections: JZJ

8:40 a.m.—Variety program: PHI

10:15 a.m.—Football: Birmingham vs. Liverpool: GSF, GSC

1:40 p.m.—Hyden's Magyar orchestra: GSC, GSO

2 p.m.—Stars of the cabaret world: GSC, GSP

2:45 p.m.—Tale of Mr. Augustine Plum and Fam

ily: GSC, GSP

3 p.m.—Sport in 1937: GSC, GSP

4:30 p.m.—Hockey: Greyhounds vs. Tigers: GSD

4:45 p.m.—English hour from Brazil: PRFS

7:45 p.m.—News: WIXAL (11.75)

7:50 p.m. (ea. Sat.)—News: W2XAF (9.53), W2XAD (15.33)

8:15 p.m.—Sports in America: W2XAF (9.53), W2XAD (15.33)

9:45 p.m.—Monitor news: WIXAL (11.79)

10:15 p.m.—American travelog: W2XAF (9.53), W2XAD (15.33)

11:45 p.m.—International orchestra: GSC, GSD

4:45 p.m.—Ludwig Hoeniger, violin: HJB, DJC, DJD

7:30 p.m.—Barb's last composition: DJB, DJC

7:45 p.m.—Program of Business Women's Club: ZR03

8 p.m.—Popular music: COGF

9:15 p.m.—Program of the Pan-American Union: YVSRC

9:30 p.m.—Chimes, organ music, choir: DJB

10:15 p.m.—Talk, "A Canadian's Christmas in England": GSC, GSD

10:30 p.m.—Brave New World: W2XN (15.27)

10:45 p.m.—Sandy Macpherson, actress: GSC, GSD

Tuesday, December 28

7:15 a.m.—Play, "Ann and Harold": GSC, GSO

8:15 a.m.—"The Anti-Japanese Movement of the Chinese Communist Party": JZJ

11:45 a.m.—"World Affairs," H. L. Bawley: GSD

2:30 p.m.—Pageant of popular music: GSC, GSP

4:45 p.m.—International Treaties and the China Incident: JZJ, JZJ

4:50 p.m.—St. Moritz Yodellers: ZSII, GSO

5:25 p.m.—Dance band: DJB, DJC, DJD

6:20 p.m.—Christmas Party for Members of the Empire Broadcasting Service: GSC, GSD

7 p.m.—Fred Hartley's sextet: GSC, GSD

7:30 p.m.—Lively walk through the year: DJB

7:30 p.m.—Gebert Hernandez' orchestra: YVSRC

7:30 p.m.—Splendor of Literature: WIXAL (6.04)

8 p.m.—"Tunes from the Arts": GSC, GSD

10:45 p.m.—Argentine music: COGF

8 p.m.—Man About Town: W3XAL (17.78)

8 p.m.—Harvard hour: WIXAL (6.04)

8 p.m.—American Stars with Italian voices: ZR03

8:45 p.m.—Somavillas' orchestra: COGF

9:15 p.m.—Kaleidoscope of operas: DJB, DJC, DJD

9:30 p.m.—H. M. Welsh Guards' band: GSC, GSD

11 p.m.—Program from Tahiti: FO8AA

11:30 p.m.—New Year's Celebration in Venezuela: YVSRC

12 mid.—New Year's Celebration in Cuba, Colombia, Panama: COCH, COCO, COCQ, HJ1ABP, HJ2ABD (19.63), HPSA, HPSI

12:15 a.m.—DKDA DX Club: WBXK (6.14)

1 a.m.—New Year's Celebration in Mexico and Costa Rica: XEWV (9.5), TIRCC (6.55), TIPG (6.41)

Wednesday, December 29

6:15 a.m.—The year's poetry: GSC, GSO

7:15 a.m.—A Few Turns in St. James' Park: GSC

9:15 a.m.—Leonard's orchestra: GSC, GSD

12:20 p.m.—Fiesta: GSC, GSI

2:30 p.m.—BBC orchestra: GSC, GSP

5 p.m.—Children's hour: DJB, DJC, DJD

5 p.m.—London's entertainment on tap: GSC, GSD

5:45 p.m.—Songs of American colleges: WIXAL (11.79)

6:30 p.m.—Festival of Food: GSC, GSD

7 p.m.—Budapest program: HAT4

7:30 p.m.—World of science: WIXAL (6.04)

7:30 p.m.—Goodbye until next year: HJB, DJC

7:45 p.m.—Opera: ZR03

8 p.m.—Luis Alvarez, songs: YVSRC

8:15 p.m.—Empire exchange talks: GSC, GSD

8:30 p.m.—Rosita Jemma Wade: ZR03

8:30 p.m.—Recital for piano and violin: ZR03

8:45 p.m.—For the Shortwave Listener: WIXAL (6.04)

9:15 p.m.—Songs and verse: DJB, DJC

9:35 p.m.—BBC Empire orchestra: GSC, GSD

10:45 p.m.—Round London at Night: GSC, GSD

11:30 p.m.—H. M. Central Royal Air Force band: GSC, GSD

12:20 p.m.—Peter Dowson: GSC, GSD

4:45 p.m.—Far East and Japan in 1937: JZJ, JZJ

5:15 p.m.—The year is getting old: DJB, DJC, DJD

6:20 p.m.—"The Year in Scotland," John R. Alastair: GSC, GSD

7 p.m.—Christmas concert: GSC, GSD

7:15 p.m.—Marthas: YVSRC

7:30 p.m.—Some voyages: DJB, DJC, DJD

7:30 p.m.—Milestones of Advancing Physics: WIXAL (6.04)

7:45 p.m.—Today's youth: WIXAL (6.04)

7:45 p.m.—Vocal and instrumental concert: ZR03

8 p.m.—Spanish popular music: PRADO

9:30 p.m.—Club of Nations: DJB, DJC, DJD

9:45 p.m.—Philharmonic string trio: GSC, GSD

10:15 p.m.—Canadian hour: HH2S

10:45 p.m.—Fred Hartley's sextet: GSC, GSD

1:20 p.m.—Peter Dowson: GSC, GSD

4:45 p.m.—Far East and Japan in 1937: JZJ, JZJ

5:15 p.m.—The year is getting old: DJB, DJC, DJD

6:20 p.m.—"The Year in Scotland," John R. Alastair: GSC, GSD

7 p.m.—Christmas concert: GSC, GSD

7:15 p.m.—Marthas: YVSRC

7:30 p.m.—Some voyages: DJB, DJC, DJD

7:30 p.m.—Milestones of Advancing Physics: WIXAL (6.04)

7:45 p.m.—Today's youth: WIXAL (6.04)

7:45 p.m.—Vocal and instrumental concert: ZR03

8 p.m.—Spanish popular music: PRADO

9:30 p.m.—Club of Nations: DJB, DJC, DJD

9:45 p.m.—Philharmonic string trio: GSC, GSD

10:15 p.m.—Canadian hour: HH2S

10:45 p.m.—Fred Hartley's sextet

SHORT WAVES

BY CHAS. A. MORRISON, president, INTERNATIONAL DX-ER'S ALLIANCE

Broadcasts mentioned below are Eastern Standard Time. For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours.

THE famous prima donna, Luisa Tetrazzini, will be brought before 2RO3's microphone during the American Hour from Rome, on Sunday evening, January 9, at 8:15 p.m. EST. Madame Tetrazzini will give some memoirs of her stage and operatic career and may even be induced to sing one or two "arie" which made her so famous . . . An ex-serviceman, Sir Alfred Zimmern, and Montague Burton, Professor of International Relations at Oxford University and a noted authority on the world's political affairs, will be the first speakers in the new series of talks, "Way of Peace," which will be heard over Daventry, England, on Thursday, January 13, at 7:10 p.m. EST.

Pan-American Airways Company has established a 500-watt short-wave station aboard the S. S. Trade Wind, anchored at Kingman reef, a tiny coral atoll 1,067 miles south of Hawaii, on the recently inaugurated air-route between Honolulu, and Auckland, New Zealand. Listeners can try for KATG on the following licensed frequencies: 6.57, 8.24, 12.33 or 16.24 megs.

Stars of stage, radio, and screen from all over the world are brought into the programs from Daventry by the fortnightly broadcasts of "Music Hall," one of the most popular of all BBC programs, and the only studio broadcasts that take place under the actual conditions of the theater. Artists, wearing their usual stage costumes and make-up, perform before the microphone upon the stage of St. George's Hall and in front of a packed house (an invitation from the BBC being the ticket of admission). John Sharman, the producer of "Music Hall," spends three or four hours evenings every week in visiting London variety houses to hear acts that suggest themselves as potential material for his broadcast. Between 250 and 300 acts are heard each year on this interesting Daventry program. Listen to "Music Hall" next Saturday, January 15, at 6:20 p.m. EST.

The new Cuban COCA (0.11), located at Avenida de Italia 102, Havana, is now relaying broadcast station CMCA regularly to approximately 12:30 a.m. EST. The power of this broadcaster is 100 watts. A. Velasco of Mexico, D. F., reports a new station, YV3RD (6.465), announcing as "Radio Barquisimeto," Barquisimeto, Venezuela, which was heard conducting initial tests and asking for reports on Sunday, December 12, at 11 p.m. EST.

According to Herbert Campbell of Athens, Penn., WZA (6.525), a U. S. Army air-field station at Kodiak, Alaska, has been heard with good signals when testing with other air-field transmitters near 7 a.m. EST.

W6XBE is the call that has been assigned to the new 20,000-watt General Electric short-wave station which is to be installed near Belmont, Calif., in the near future . . . James Moore of San Francisco, Calif., reports that on December 15, starting at 11:45 p.m. EST, the Klipheuvel, South Africa, station that has been putting such loud signals into the United States on a frequency of 9.61 megs, was heard on a new frequency of 6.04 megs.

R. B. Orrieder of State College, Penn., writes that he has finally located OER3, "Radio Wein," Vienna Austria, again. This station is now

broadcasting week-days from 10 a.m. to 5 p.m. EST (Saturdays to 5:30 p.m. EST), on a new frequency of 11.79 megs. When W1KAL, Boston, Mass., appears on this channel at 4:40 p.m. EST, OER3 is completely blotted out.

VP3THE, base-camp station of the Terry-Holden Expedition at Isherton in South Western, British Guiana, has finally established contact with the advance group of explorers, who under the leadership of Dr. Holden, are digging ever deeper into the Amazonian jungles. VP3THE uses frequencies of either 13.74, or 7.05 megs for these contacts, while the advance portable station uses an undetermined frequency in the 7 megacycle amateur band. The NBC broadcast on Christmas Eve, which included pick-ups from W10XAB (8.055), winter-camp station of the MacGregor Arctic Expedition at Reindeer Point, Greenland, and from VP3THE (13.74) was a great success, even though reception conditions were far from ideal at the time. Subsequent conversations between Hungerford of VP3THE and the engineer at Rocky Point, N. Y., disclosed the interesting sidelight that NBC's surprise party, which consisted of personal greetings from some fifty relatives of members of both exploration parties, was an unexpected and delightful thrill to the respective groups listening-in at their outpost stations.

From August Balbi of Los Angeles, Calif., I learn that HS3PJ (0.51), of Bangkok, Siam, has not been heard for several weeks, and that XGOX (9.8), Nanking, China, is off the air at present.

Norman Kriebel of Ambler, Penn., writes that a recent letter of verification gives the exact frequency of 3,000-watt commercial short-wave station YBB of Palembang, Sumatra, as 7.87 megs. YBB phones Java between 8:30 p.m. and 7 a.m. EST, at irregular intervals but has only been heard in the United States near the latter hour. All correct reports accompanied by an international reply coupon and addressed to this station in care of the Chief Engineer, 4th Telegraph and Telephone District, Palembang, Sumatra, Netherlands East Indies, will be verified.

GSL (6.11), winter frequency of Daventry, England, is now being employed in transmission V, from 6:20 to 8:30 p.m. and in transmission VI, from 9:15 to 11:15 p.m. EST. GSA (6.05), has also been heard testing lately in the late afternoons.

According to "Onda Corta" the Communist station at Becon Courbevoie, France, transmits irregularly in the following languages and on the following announced frequencies: Portuguese (7.31), French (7.39), French (7.41), English (9.53), English (10.07), Italian (10.7), Spanish (13.87), and French (15.10). Broadcasts from this station, which is usually known as "Radio Libre," are made entirely in behalf of the Loyalist cause in Spain's civil war.

Colonia, Uruguay, short-wave station which operates on a frequency of 9.64 megs, may soon receive the new call CXA14, while CXA8, its former call, will be used to designate the new 25,000-watt short-wave transmitter which will shortly add to the general confusion on the 31-meter band. The new station, which will be the most powerful in South America, will be operated by the Servicio Oficial de Difusion Radio Electra, del Uruguay.

**Log of Short-Wave Station
Whose Programs Are Listed**

(Megacycles or thousands of kilocycles shown)

GJO, Canada	4.15	JZJ,	11.4.
GOJC, Cuba	9.21	JZK,	"
GJAL,	11.72	KJO, Hawaii	11.6.
GOEZ,	9.03	KKH,	7.1.
GOGD,	6.13	KKP,	16.6.
GOCH,	9.43	Elkhauvel,	
GOGO,	6.01	South Africa	9.6.
GLCQ,	9.75	LRL, Argentina	15.2.
GOGF,	11.305	LRX,	9.4.
GSW, Portugal	9.94	LSK,	10.3.
DJB, Germany	15.29	GLRCA, Czechoslovakia	9.8.
DAC,	6.02	OLMIA,	"
LJD,	11.77	OLMSA,	11.1.
DAL,	15.11	OLNSA,	15.3.
EAJ43, Canaries	10.37	ORKE, Belgium	10.3.
EAR, Spain	9.49	ODF, Denmark	9.3.
EAPAH, Spanish Morocco	14.05	PCJ, Helmed O. 50,	15.1.
FOSAA, Tahiti	7.11	PHI,	17.7.
GSA, England	6.05	PR&DQ, Ecuador	6.6.
GSB,	9.51	PRFS, Brazil	9.0.
GSC,	9.58	PSH,	10.2.
GSD,	11.75	RAN, U.S.S.R.	8.6.
GSE,	15.14	RKE,	7.1.
GSG,	17.19	RNE,	12.0.
GSH,	11.47	RVIS,	6.27.
GSI,	15.35	RVSS,	6.6.
GSJ,	21.58	SPD, Poland	11.1.
GSL,	6.11	SPFW,	13.6.
GSO,	15.18	TFJF, Iceland	12.1.
GSP,	15.31	TPAF, France	15.3.
HAS53, Hungary	15.37	TPAJ,	11.5.
HAT4,	9.12	TPAQ,	11.7.
HEH, Switzerland	13.48	VERDN, Canada	6.00.
HEJ,	14.555	VREME, Australia	9.0.
HEL,	9.24	VKILR,	2.8.
HEQ,	11.402	VKIME,	2.9.
HEP,	7.59	VPDE, Fiji	9.0.
HICRL, Ecuador	6.06	WIKAL, Boston, Mass.	
HIMLS, Haiti	5.325	15.25, 11.79 and 6.0.	
HJIAHE, Colombia	9.5	XEHZ, Mexico, D.F.	
HJIAEP,	9.618	XEXA,	6.17.
HJPA, Panama	11.7	YSD, El Salvador	7.85.
HKSJ,	9.60	YVRC, Venezuela	5.3.
HEPBJ, Siam	9.51, 12.02	ZHWS, China	9.55.
HVJ, Vatican City	15.12	ZJW, British Honduras	10.
JDT, Kwantung	9.325	ZROS, Italy	6.5.
JVM, Japan	10.66	ZRO4,	11.5.
JVL, Japan	9.535	ZTM, S. S. Kasimbia	8.1.

Short-wave programs of American stations are shown along with the regular Listings beginning on page 27. These are indicated, for example, by (new-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced

News Broadcast

Daily—12:30 a.m., JZJ; 5, GSB, GSD, GSC, GSO; 7:30, XGOX; 7:45, JDY; 8:30, GSC, GSII, GSO, GSV, GSF; 8:35, JZJ; 11, GSD, GSF, GSC, GSH; 1 p.m., GSB, GSD, GSC, GSO; 2:40, ZR03; 3, OLRA4; 3:10, TPA4; 4:15, GSB, GSD, GSO; 4:45, EA9AH; 6:30, EA9HPSA; 7, EA9AH, HPSJ, RAX, RKI; 7:15, CSW; 7:30, EA9AJ; 7:35, ZR03; 7:40, GSC, GSD, GSC, GSO; 8:15, EA9AJ, DJB, DJD; 10:20, GSB, GSC, GSD, GSC; 10:30, DJB, DJD; 10:45, CJO4, CRJX; 11:30, TPA4.

Daily except Sundays—6 a.m., VK3ME; 7:30 a.m.,

VLR.
Sun., Mon., Wed., Fri.—4 p.m., RNE.

Sample A

Sunday, January
—Program from Daries, Kwazulu

- 8 a.m.—Variety program: DJL
 8 a.m.—International church: COOQ
 8 a.m.—Overseas hour for Australia: JZJ
 8:45 a.m.—Variety program: PHI
 10 a.m.—BBC Concert orchestra: GSG GSF
 10 a.m.—Danish program: OZF
 *11:30 a.m.—Overseas hour (East): JZZ JZI
 *4:55 p.m.—Greetings to listeners: DJB DJC DJ
 5:30 p.m.—Dance orchestra: YVREC
 6 p.m.—American hour from Poland: SPW SP
 *7 p.m.—Brazil on the Air: PSII (10:22)
 *7 p.m.—Program from Novosibirsk: IRAN RK1
 8 p.m.—Complete opera: COCH
 8:15 p.m.—"Recollections of an Operatic Career,
 Luisa Tetrazzini: 2R03
 *9 p.m.—Carara's tango band: LRM
 *9 p.m.—El Salvadorian program: YSD
 *11:45 p.m. (ex. Sat.)—Program from South
 Africa: Klipheuwel (9.61), Roberts Heights
 (9.525)
 *12 mid.—Eden Concert cabaret: COCQ
 *12:30 a.m.—Overseas hour (Pacific Coast): JZ
 *1 a.m.—English DX programs: XEUX
 *1:30 a.m.—English DX programs: XEUX
 *1:45 a.m.—English DX programs: XEUX

Key to Symbols Used: *Daily; †Week Day
†Monday, Wednesday, Friday; ②Monday, Thur

— 10 —

- Monday, January 10**

15:30 a.m.—Program from Fiji's: VPD
 16 a.m.—Oriental variety: ZBW3
 8:40 a.m.—Variety program: PII
 10:30 a.m.—In Town Tonight: GSF-GSG
 11:30 a.m.—A vest-pocket vaudeville: GSG-GSF
 1:40 p.m.—Phyllis Scott and John Riske: GS
 2 p.m.—Stars of the cabaret world: GSP-GSI
 3:30 p.m.—"The Count of Monte Cristo" (Part II); GSP-GSI
 4:50 p.m.—Science news: WIXAL (6.04)
 *4:50 p.m. (ex. Sat.)—News: W2XAF (9.53)
 W2XAD (15.33)
 5:15 p.m.—Sports in America: W2XAF (9.53)
 W2XAD (15.33)
 6:16 p.m.—Monitor news: WIXAL (11.79)
 7 p.m.—Serial dramas: GSB-GSC
 7:30 p.m.—Course in modern radio: WIXAL

+8 p.m.—Popular music: COGF
8 p.m.—North American hour from Czechoslovakia:
klac: OLLITA
8:30 p.m.—Mail bag: 2R08
+9 p.m.—Typical orchestra: COGF
+10 p.m.—Dance music: LRX

Tuesday, January 11

- 9 a.m.—Phobi Variety Ensemble: PHII
 11:40 a.m.—"Do We Understand English?": GSC
 12:20 p.m.—Stemes from "Romeo and Juliet,"
 Shakespeare: GSG GSI
 2 p.m.—J. A. Scott Watson: GSP GSI
 3 p.m.—Musical comedy, "You're the Girl": GSC
 4:35 p.m.—"Green Fields and Pavements," H. B.
 Brennan: GSO GSD
 6:20 p.m.—The week's news: GSB GSC
 7:17:30 p.m.—Broadcast from Belize, British Hon-
 duras: ZIKZ
 7:45 p.m.—Tuesday symphonies: 2R03
 7:48 p.m.—Gavilan and Cataño, guitar duet
 COGF
 8:15 p.m.—Interview with fencing champion Au-
 cilia Greco: ZR03
 8:49 p.m.—Semaverillas' orchestra: COGF
 11 p.m.—Program from Tahiti: FOSAA

Wednesday, January 12

- 10 a.m.—"Race or varieties": GSP GSD
11:40 a.m.—"World Affairs," H. Wickham Steed
GSP GSD
1:40 p.m.—"Ethel and her engine": GSP GSI
2:15 p.m.—Concert by South African artists
GSP GSI
3 p.m.—BBC Symphony orchestra: GSP GSI
5:15 p.m.—BBC Military band: GSO GSD
6:20 p.m.—Irish concert: GSB GSC
7 p.m.—Budapest program: HAT4
7:30 p.m.—World of Science: WIXAL (6.04)
7:45 p.m.—Famous voices of yesterday: ZRO3
8 p.m.—Rosita Jemma Wade: ZRO3
8:30 p.m.—Light music: 2RO3
8:40 p.m.—"For the short-wave listener"
WIXAL (6.04)

Thursday, January 13

- 9:35 a.m.—Dr. Eberhard Rehling, pianist: PHH
 11:20 a.m.—"Matters of Moment," Margaret Bonfield: GSF GSG
 12:20 p.m.—Tommy Kinsman's orchestra: GSC
 1:20 p.m.—Fred Hartley's sextet: GSG GSI
 2:30 p.m.—"Whoopee, Paree!": GSP GSI
 3:30 p.m.—Sir Alfred Zimmern: GSO GSD
 5 p.m.—Mid-week service: GSO GSD
 7:15 p.m.—Marijanica: YVYRC
 7:30 p.m.—"Milestones of Advancing Physics" WIXAL (6.04)
 7:45 p.m.—Selections from operas: 2103
 8 p.m.—"Problems in Economics": WIXAL (6.04)
 8:15 p.m.—"Modern Italy," John Pugliese: 2103
 9 p.m.—Program for North America: PCJ (9.59)
 9:35 p.m.—H. M. Royal Artillery Mounted band GSC GSD (GSL)
 10 p.m.—Special DX programs from Guatemala TGWA (9.685 or 11.76)
 10:45 p.m.—Bert Fierman's orchestra: GSC GSD

Friday, January 14

- 7:50 a.m.—Willie Walker, clarinet: GSD GSC
 11:30 a.m.—Sesays and songs from the movies:
 GSF GSG
 2:30 p.m.—Five Hours Back: W2XAD (15.33)
 W3XAL (17.75)
 6:20 p.m.—“Do We Understand English?”: GSB
 7 p.m.—Special DX program from Portugal:
 CS2WA (3.65)
 7:30 p.m.—English program from Switzerland:
 TIBL (9.345)
 7:45 p.m.—Stars of Italian Stage and Radio:
 2R03
 8 p.m.—Songs from the light operas: GSIS GSC
 9 p.m.—Program for Latin America: WIXAL
 (11.79)
 9:15 p.m.—“Just Back from Scandinavia,” Wil-
 ham Terling: GSC GSD GSL
 9:30 p.m.—Play, “Tartarin of Tarascon”: DJB
 9:30 p.m.—“The House in the Country”: GSC
 GSD GSL
 11:30 p.m.—DX Club: W8XK (6.14)
 1 a.m.—Special DX broadcast from Mexico:
 XETW (6.045)

Saturday, January 15

- 8:30 a.m.—Phahi Variety Ensemble: PHII
 9:30 a.m.—Microphone debutantes: PHII
 9:35 a.m.—Football; Wales vs. England: GSF GSO
 12:30 p.m.—Marius B. Winter's orchestra: GSG
 GSII
 2 p.m.—H. M. Grenadier Guards band: GSP GSI
 2:30 p.m.—In Town Tonight: GSP GSI
 3 p.m.—Music Hall: GSP GSI
 4:45 p.m.—BBC Theater orchestra: GSO GSD
 5 p.m.—Tourist hour: HPSA
 6 p.m.—Program from Budapest: HATS
 7:45 p.m.—Chamber music: ZR03
 8 p.m.—Cocktail musical program: W3XAL
 (17.78)
 8 p.m.—Ernesto Lerrona's Cuban music: LRX
 8:10 p.m.—Amy Evans, soprano: GSC GSD GSI
 8:15 p.m.—"Pergolesi and His Sacred Music,"
 Elisabeth Luin: ZR03
 8:30 p.m.—Continentalists: YV5RC
 9 p.m.—Popular music: COGP
 10:55 p.m.—Film Shots: GSC GSD GSI
 11 p.m.—Northern Messenger, messages to those

Time Stamps In SST, Sea GST, subtrack 4 hours for MST, 3 hours for SST, 3 hours

SHORT WAVES

BY CHAS. A. MORRISON, president, INTERNATIONAL DX-ER'S ALLIANCE

Time Shown Is EST. For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours

THE worst enemy of enjoyable short-wave reception is man-made interference caused by near-by electrical equipment, which is antiquated, improperly adjusted or so designed that it creates a disturbance in all receivers within its transmitting radius, which may range from a few feet to several miles in the case of some diathermic machines. Many countries have enacted laws which makes the operation of any such equipment illegal, and subjects the owners thereof to heavy fines. So far, no concerted effort has been made to rid listeners in this country of this nuisance. If listeners would complain and keep on complaining to municipal authorities about loud and persistent interference which spoils their reception something would eventually be done to reduce the interference, at least in that respective city. Such a campaign, which incidentally was inaugurated in Detroit by the local chapter of the International DX-ers Alliance, cooperating with one of the leading newspapers, has already resulted in action being taken in the form of the detailment of two servicemen from the Police Radio Department to full-time duty in running down and eliminating any interference that may be annoying listeners in that area. The police there have further requested the city council for funds to equip a special interference ear to aid them in their work. Listeners in the Detroit area, suffering from noisy reception due to electrical interference, are requested to get in touch with the Detroit Police Radio Department, or Richard Verbrugge, 10904 East Warren Avenue. What has been done in Detroit, can be done elsewhere and if enough agitation is made about the subject, in time suitable legislation will enable listeners to enjoy their favorite international or domestic program with noise-free satisfaction.

The North American Hour from Rome, which is heard nightly from 7:30 to 9 p.m. EST, over 2RO3 (9.635), is now being radiated simultaneously by Italian Commercial Station IRF on 9.83 megs.

Three of the programs to be broadcast from Daventry, England, this week, deserve special mention: On Wednesday, February 2, at 3 p.m. EST, the Viscount Cecil of Chelwood and Sir Charles Mallett will discuss the history of the League of Nations in connection with the weekly program entitled "The Way of Peace." Lord Cecil is President of the League of Nations Union, and it was he, working with President Wilson, that was largely responsible for establishing the League back in 1919. . . . on Saturday, February 5, at 9:50 a.m. EST, the traditional international Rugby match between Scotland and Wales will be broadcast from Murrayfield, Edinburgh, Scotland. This match is one of the most exciting events on the British sporting calendar. Of the forty-eight games that have been played, Scotland and Wales have each won twenty-three games, the remaining two having been ties . . . on Saturday, February 5, at 3 p.m. EST, George Robey, the famous British comedian, will be heard in the production, "Palace Varieties." Every broadcast of this regular weekly feature, contains at least two new acts.

From G. W. Rockwell of Halifax, Nova Scotia, Canada, I learn that ZPI4 (6.15), "Radio Cultura, La Voz del Corazon de Sud America," Villarrica, Paraguay, is now answering listeners' reports. This station, which has a unique interest since it offers about

the only reception from the little-known country of Paraguay, is best heard from 5 p.m. to sign-off at 6 p.m. EST.

Roger Legge of Philadelphia, Penn., writes that he is hearing a new Honduras station, HRK2A, on a frequency of 5.71 megs, irregularly between 8 and 11 p.m. EST. Announcements in Spanish, request that all reports be directed to HRK, "Radio Nacional," Tegucigalpa, Honduras . . . "Radio Martinique," Poste Seri, Boite Postale 136, Fort-de-France, Martinique, verified by letter, saying that regular QSL cards would be sent as soon as they had received them. The power was given as 200 watts, and the frequency as 9.7 megs, although the station is actually being heard on 9.685 megs.

Transmissions for North America from Prague, Czechoslovakia, are now being radiated on Mondays, Wednesdays and Fridays, from 8 to 10:35 p.m. EST, on OLR2B (6.03), OLR2A (6.01) or OLR3A (9.55), depending upon reception conditions at the time.

Eugene Reinhard of Locust, N. J., reports a mysterious new Communist station, announcing in German only, as the Deutsche Freiheits Sender (German Freedom Sender), is being heard daily from 4 to 5 p.m. EST, on a frequency of approximately 9.8 megs. Although no location is given, announcements are frequently made to the effect that reports sent to any anti-Nazi, or anti-Fascist station (for example EAR, Madrid) will reach them. That the German Government is a little annoyed by this bootleg station may be concluded from the fact that a new law has just been passed by which the owners of clandestine transmitters in that country, instead of, as previously, being imprisoned or merely ordered to pay a fine, will be placed in solitary confinement.

Russell Graham of Verdun, P. Q., Canada, heard a new Mexican station, giving location as Medero, on a frequency of 7.1 megs, signing off on January 12, at 11:10 p.m. EST.

The two Warsaw Short-Wave Stations SPW (13.635) and SPD (11.535), have adopted a special interval signal in connection with their nightly transmissions to North America in order that their stations may be more readily recognized. It consists of a few bars taken from the carillon theme in Moniuszko's opera, "The Haunted Castle," and is a very distinctive melody. Verifications of reception from SPD, consist of an attractive brown and white card, which is entirely different from that furnished by SPW.

The station that B. W. Harris of Elroy, Ill., has been hearing in the afternoons on a frequency of 11.04 megs, is CSW2 of Lisbon, Portugal, which is again operating on this frequency daily to 7 p.m. EST.

A brand new 500-watt transmitter for TI4NRH, "The World's Most Friendly Station," located at Heredia, Costa Rica, and owned by that grand old pioneer of radio, Amanda Cespedes Marin, was inaugurated on January 1. A tribute to the popularity of this station, which became world famous when using a power of only 7½ watts in the early days of short-wave radio, may be gathered from the fact that the money to pay for this new transmitter came from voluntary contributions in the form of pennies from all parts of the world.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousand of kilocycles shown)

CJRO, Canada	8.15	KIO, Hawaii	11.68
CJAX, Cuba	11.72	KKH,	7.82
COCO,	6.13	KKP,	16.43
COCH,	8.42	KBPEL,	
CLCO,	6.01	South Africa	9.62
COOR,	9.75	LBU, Argentina	11.29
COGY,	11.60	LTX,	9.66
CSW, Portugal	9.94	LSX,	10.35
DJB, Germany	15.20	OLRBA, Czechoslovakia	9.55
DJC,	6.02	"	
DJD,	11.77	OLRBA,	11.84
DJL,	16.11	OLRBA,	11.23
EAJ43, Canaries	10.37	OKK, Belgium	10.33
EAR, Spain	8.49	OZP, Denmark	9.52
EABAH, Spanish Morocco	PCJ, Holland	9.59	15.22
FOAAA, Tahiti	14.05	PMI,	17.775
GSA, England	7.11	PRADO, Ecuador	8.62
GSA,	6.95	PIFL, Brazil	8.50
GSB,	9.51	PSK,	16.22
GSC,	9.58	RAN, U.S.S.R.	8.60
GSD,	11.78	RKL,	7.84
GSE,	11.34	RNE,	12.00
GSG,	17.19	RVIS,	4.273
GSI,	21.47	RVSP,	6.00
GSL,	15.26	SFD, Poland	11.53
GSO,	21.58	SWW,	13.64
GSL,	6.11	TFJ, Iceland	12.23
GSO,	15.18	UANRH, Costa Rica	9.603
HAS3, Hungary	15.37	TPA2, France	12.24
HAT4,	9.12	TPA3,	11.88
HBM, Switzerland	14.48	TPA4,	11.71
HBJ,	14.53	VENDN, Canada	8.605
HBL,	9.34	VKEME, Australia	9.59
HBO,	11.40	VKIME,	9.51
HBP,	7.89	VLR,	9.58
HC2RL, Ecuador	6.05	VPDE, Fiji	9.54
HH2S, Haiti	5.925	WIAK, Beacon, Mass.	
HJIAEB, Colombia	9.5	15.25, 11.72 and 6.04	
HJIAEP,	9.618	XEUZ, Mexico, D.F.	8.12
HP5A, Panama	11.7	XEXA,	6.12
HP5J,	9.60	YSD, El Salvador	7.884
HS6F2, Siam 2, 51,	18.60	YVGR, Venezuela	8.80
HVJ, Vatican City	15.12	ZHWS, China	9.525
JDY, Kwantung	9.835	Z.KB, British Honduras	10.6
JVN, Japan	10.69	Honduras	
JV1,	9.538	ZRUD, Italy	8.635
JZJ,	11.80	ZMI, S.R. Columbia	6.01
JZK,	16.10		

Short-wave programs of American stations are shown along with the regular listings beginning on page 27. These are indicated, for example, by (new-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:30 a.m.	JZJ; 5, GSF, GSB, GSO, GSD;
GSF; 7-30, XGOX; JAS, JDY; 8:30, GSF, GSO, GSD, GSA; 1 p.m., GSF, GSD, GSG, GSA, 2-40, ZRUD; 3-10, TPA3; 4-15, GSB, GSD, GSC, GSO; 4-30, OLRBA; 4-45, EA9AB; 6-30, KAR, HP5A; 7, EA9AJ, HP5J, XAN, HKI; 7-15, CSW; 7-30, EAJ43; 7-35, ZRUD; 7-40, GSB, GSC, GSD; 8-15, EW4B, DJB, DJD; 10-25, GSB, GSC, GSD, GSO; 10-30, INR, DJD; 10-45, CJRO, CJRX; 11-30, TPA4.	
Mon., Wed., Fri.—9-45 p.m., OLRBA	

Sunday, January 30

7 a.m.—Program from Darles, Kwantung: JDY
8 a.m.—Variety program for North America: DJL
9 a.m.—International church: COCQ
9 a.m.—Overseas hour for Australia: JZJ
8:50 a.m.—Phahi Symphony Orchestra, conducted by Eduard Flöppel: PHI
1:30 p.m.—Richard Cram's orchestra: GSF GSD
*2 p.m.—Danish program: OZF
3 p.m.—New York Philharmonic orchestra: WIXAL (11.79)
4 p.m.—Special International DX'ers Alliance Program from Honduras: HBD (6.235)
*4:30 p.m.—Orcesca hour (East): JZJ JZJ
*4:35 p.m.—Greetings to listeners: DJB DJC DJD
6:15 p.m.—Our Sunday concert: DJB DJC DJD
7 p.m.—Brazil on the Air: PSII (10.22)
7 p.m.—Program from Moscow: XAN RKL
9 p.m.—Caruso's tango band: LRX
10:25 p.m.—Concreational services: GSC GSD
*11:45 p.m. (ex. Sat.) — Program from South Africa: KLUWIEUVKL (9.61) ROBERTS HEIGHTS (9.523)

12:30 a.m.—Overseas hour (Pacific Coast): JZJ

*1 a.m.—English DX programs: XEUZ

*3 a.m.—English program from Siberia: RVIS

Key to Symbols Used: *Daily; †Week Days: ‡Monday, Wednesday, Friday; §Monday, Thursday; ¶Tuesday, Thursday; §§Tuesday, Thursday.

Monday, January 31

15:30 a.m.—Program from Fiji's: VPD
8 a.m.—Oriental variety: ZBWS3
8:40 a.m.—Otto Dobrindt's orchestra: PHII
9:20 a.m.—Concert: PHII
12:40 p.m.—Mandolin recital: GSF GSD
1:40 p.m.—Songs from Here and There: GSF GSC
3:30 p.m.—Drama, "The Count of Monte Cristo" (Part VI): GSO GSB
4 p.m.—Around the Dials: WIXAL (9.57)
4:45 p.m.—Science news: WIXAL (6.04)
4:50 p.m. (ex. Sat.) — News: W2NAF (9.53) W2XAF (15.33)
5:15 p.m.—Sports in America: W2XAF (9.53) W2XAD (15.33)
6 p.m.—Monitor news: WIXAL (11.79)
7:30 p.m.—Course in Modern Radio: WIXAL (6.04)
8 p.m.—North American program from Czechoslovakia: OLRBA or OLRB2 (6.03)

18 p.m.—Typical orchestra: COGF
9:15 p.m.—Program of the Pan American Union: YVSRC

Tuesday, February 1

7:15 a.m.—Feasting and Dueling through the Centuries: GSF GSG GSJ
11:20 a.m.—Hungarian Gypsy Party: GSF GSG
4:35 p.m.—Herman Dwarski's band: GSO GSB
5 p.m.—Anthony Weymouth: GSO GSB
6:20 p.m.—"Topics of the Day," Gerald Harry: GSB GSC GSL
7:17:30 p.m.—Broadcast from Belize, British Honduras: ZIK2
7:28 p.m.—Argentine music: COGF
8:15 p.m.—Tuesday Symphonies: ZRUD
8:29 p.m.—Sonavilla's orchestra: COGF
8:30 p.m.—Friendly hour: THXRII
9:15 p.m.—Opera, "Oberon," Carl Maria von Weber: DJB DJC DJD
11 p.m.—Program from Tahiti: FOAAA
11:30 p.m.—Salute to Latin America: WBXAL (6.06)

Wednesday, February 2

7:55 a.m.—Jack Wilson's versatile fire: GSF
11:40 a.m.—"World Affairs," H. Wickham Steed: GSF GSG
3 p.m.—W. H. Berry as "Mr. Micawber": GSF
3:15 p.m.—BBC Symphony Concert: the BBC Symphony Orchestra, conducted by Sir Hamilton Monteith: GSG GSP
4:40 p.m.—Police Open Boxing Championships: GSO GSB
6:20 p.m.—"The House in the Country": GSB
7:30 p.m.—Don Mariano, tauze: YVSRC
8 p.m.—Rosita Jemina Wade: ZRUD
8:45 p.m.—"For the Short Wave Listener": WIXAL (6.04)
10:45 p.m.—Vest-pocket vaudeville: GSC GSD

Thursday, February 3

7:15 a.m.—Norbert Weinhauer trio: GSF GSG GSJ
7:30 a.m.—"At the Black Dog": GSF GSG GSJ
9 a.m.—Harry Enfield's quintet: GSF GSG
9:20 a.m.—"Music in Paradise," Ken Kopartsky: PHII
11:35 a.m.—Recital of Welsh songs and duets: GSF GSG
1:20 p.m.—BBC Empire orchestra: GSG GSD
2 p.m.—All Kinds of People: GSF GNG
3:30 p.m.—The Way of Peace: GSF GNG
4:35 p.m.—Northern Music Hall: GSB GSO
6:15 p.m.—Rendezvous at a Masked Ball: DJB
7:15 p.m.—Golfer Hernandez's orchestra: YVSRC
7:45 p.m.—Selections from operas: ZRUD
8:15 p.m.—"Modern Italy," John Pugliese: ZRUD
9:35 p.m.—Yvonne de Breitney, Canadian pianist: GSC GSD GSL
9:45 p.m.—"Piccadilly," the history of Piccadilly: GSC GSD GSL
10 p.m.—Canadian hour: HIL25

Friday, February 4

8:20 a.m.—Next week's programs: GSF GSG GSJ
8:40 a.m.—Variety program: PHII
10:15 a.m.—Ritz Players, dance music: GSF GSG
11:30 a.m.—Play, "Virtue in Virtues": GSF GSG
12:20 p.m.—Walter Collins' orchestra: GSG GSD
2:15 p.m.—Raith Marshall string orchestra: GSI
2:30 p.m.—Five Hours Back: W2XAD (15.33) W2XAF (9.53)
3:15 p.m.—Stamelli's Bachelor Party: GSF GSG
7 p.m.—Non-stop variety show: GSB GSC GSL
7:30 p.m.—English program from Switzerland: HBL (9.345)
7:45 p.m.—Stars of Italian Stage and Radio: ZRUD
8 p.m.—Woman's Page program: WIXAL (11.78)
8:15 p.m.—"Across the Footlights": WIXAL (6.04)
8:45 p.m.—Play, "Steel and Success": IMB DJC
9 p.m.—Program for Latin America: WIXAL (11.79)
9:35 p.m.—Jack Jackson's band: GSC GSD GSL
11:30 p.m.—DX Chat: W8XK (6.14)

Saturday, February 5

8 a.m.—Commander Grand orchestra: GSF GSG
8:45 a.m.—"The Hohner Boys" Mouthorgan band: PHII
9 a.m.—Reginald Foort, organ: GSF GSG
9:50 a.m.—Football; Scotland vs. Wales: GSF
12:40 p.m.—Carroll Gibbons' orchestra: GSG
1:30 p.m.—Kamaran trio: GSG GSD
2:30 p.m.—"In Town Tonight": GSF GSG
3 p.m.—Palace of Varieties: GSF GSG
4:45 p.m.—The BBC Theater orchestra: GSO
5 p.m.—Tourist hour: HP5A
6:45 p.m.—Variety hour from Switzerland: HBL HBP
7:15 p.m.—Salvador Santalla's orchestra: YVSRC
7:20 p.m.—Arthur Catterall, violin: GSB GSC
7:45 p.m.—Concert of chamber music: ZRUD
8 p.m.—Mediterranean Isles, "Capri": ZRUD
8 p.m.—Cocktail musical program: W3XAL (11.78)
8:10 p.m.—"Shock-headed Peter": GSB GSC GSI
8:30 p.m.—Continents and Luis Alvarez: YVSRC
8:45 p.m.—Talk, "Modern Air-Conditioning in Germany": DJB DJC DJD
9 p.m.—Popular music: COGF
9:15 p.m.—"At the Black Dog": GSC GSD GSL
11 p.m.—Northern Messenger; messages to those in the Arctic: VERIN CRXC

Time Shown Is EST. For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours

Log of Short-Wave Stations Whose Programs Are Listed

(Magnitudes or thousands of kilocycles shown)
CBS 170, Chile 11.80 LRU, Argentina 18.29
CJRO, Canada 8.16 LRU, " 9.06
CJRX, Cuba 11.75 LRU, " 10.35
CRFD, " 8.12 OLRKB, Czechoslovakia 8.03
COCH, " 8.45 Slovakia 8.05
COGO, " 8.61 OLR3A, " 8.05
COOF, " 11.80 OLR3A, " 11.24
CSE, Portugal 8.84 ORK, Belgium 10.30
DJB, Germany 10.20 OZF, Denmark 8.52
DJC, " 8.02 PZC, Holland 9.10, 10.22
DJD, " 11.71 PZI, " 17.71
DJL, " 10.11 PRD, Ecuador 8.02
EAJ4S, Canaries 10.57 PRF, Brazil 9.50
EAR, Spain 8.45 PRF, " 9.50
EASAT, Spanish Morocco 14.05 RAI, U.S.S.R. 9.40
FORAA, Tahiti 7.11 RME, " 10.00
OSA, England 8.05 RVIS, " 4.878
OSB, " 9.51 RVIS, " 8.00
OSO, " 9.55 RYD, Poland 11.63
OSG, " 11.75 RYD, Ireland 12.00
OFF, " 10.14 TVE, Ireland 12.00
ORG, " 17.79 T34NRM, Costa Rica 12.00
OSR, " 81.47 RRA, " 9.00
OSI, " 10.80 TPAE, France 13.84
OSJ, " 11.81 TPAE, " 11.88
OSL, " 6.11 TPAE, " 11.71
GSO, " 10.18 VFSND, Canada 9.00
GSP, " 10.31 VK8ME, Australia 9.50
HAT4, Hungary 6.19 VK8ME, " 8.51
HBJ, Switzerland 10.825 VLW, " 8.58
HBL, " 9.84 VPDR, Fiji 8.54
HFO, " 11.462 VPDR, St. Elmo 8.58
HWP, " 7.80 VUDS, India 8.00
MICERL, Ecuador 8.60 WIXAL, Boston, Mass.
NJADP, Colombia 8.018 10.28, 11.79 and 0.04
HPSA, Panama 11.7 XEUZ, Mexico, D.F. 6.18
HPAJ, " 8.00 XEKA, " 5.178
HPAP, Siam 9.51, 10.62 YSD, El Salvador 7.894
IQY, Italy 11.9 YVRC, Venezuela 8.50
IRF, " 9.82 ZRWZ, China 8.328
JDY, Kwantung 9.805 ZRK, British 8.522
JVI, Japan 9.828 ZRM, R. Africa 8.522
JVN, " 10.81 ZRM, " 8.03
JZJ, " 11.20 Honduras 10.0
JZK, " 10.16 ZMBJ, S.C. Awassa 8.54
Kilpherval, South Africa 9.68 ZRQ, Italy 8.636

Short-wave programs of American stations are shown along with the regular listings beginning on page 27. These are indicated, for example, by (am-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:30 a.m., JZJ; 5, GSF, GSD, GSO, GSO; 7:30, NGCX; 7:45, JDY; 8:30, GSF, GSD, GSO, GSI, GSO; 8:35, JZJ; 11, GSD, GSF, GSO, GSI; 1 p.m., GSD, GSD, GSO, GSO; 2:40, ZRO3; 3:10, TPA3; 4:15, GSB, GSC, GSO; 4:30, OLR3A; 4:45, EA9AH; 6, JZJ; HPSA; 7, EA9AH, HPSA, RAN, RAI; 7:15, CSW; 7:30, EA443, FAR; 7:35, ZH03; 7:40, GSB, GSC, GSD; 8:15, EA443, DJB, DJD; 10:30, GSB, GSC, GSD, GSI, DJB, DJD; 10:45, CJRO, CJRX; 11:30, TPA4.
Mon., Wed., Fri.—9:45 p.m., OLR3A

Sunday, March 6

4:25 a.m.—Program from Darlen, Kwantung; JDY
4:28 a.m.—Variety program from Germany; DJL
4:28 a.m.—International church; COCO
4:28 a.m.—Overseas hour (South Seas); JZJ
10:10 a.m.—Mission news; PHH
11 a.m.—Fourth World Concert, from Australia.
Leading short-wave stations in the world
1:15 p.m.—Edwardian Melodies; GSF GSG
1:40 p.m.—Iceland hour; TPF
4:2 p.m.—Danish program; OZF
4:4 p.m.—Test broadcasts from St. Kitts; VP2LO (6.38)
4:40 p.m.—Overseas hour (South America); JZJ, JZI
4:45 p.m.—Greetings to listeners; DJB DJC RJD
5:30 p.m.—Billie's orchestra; YVSRC
6 p.m.—Polish program (North America); SPW (13.635) SPB (11.535)
6 p.m.—Special English period from Tokyo; JZJ
6 p.m.—"La Voz de las Provincias"; COCH
6 p.m.—Cadena Crusellas network program; COCO
6:30 p.m.—Frank Walker's Octet; GSC GSI
7 p.m.—Brazil on the Air; PSII (10.22)
7 p.m.—Program from Moscow; RAN RAI
7:30 p.m.—Broadcast from Loyalist Headquarters in Madrid; EAB
7:45 p.m.—Opera; 2R03 IRF IQY
8 p.m.—Special North American broadcast by Dutch Roman Catholic Broadcasting Association; PCJ (9.59)
8:30 p.m.—S. Alaro band; COCH
9 p.m.—Nationalist program for North America; Salamanca (10.27)
9 p.m.—Casa's tango band; LRD
9:30 p.m.—Oriental program from India; VUDS
11 p.m.—Marti dance orchestra; COCH
11:45 p.m. (ex. Sat.)—Program from South Africa; ZRK ZRH
12 mid.—Broadcast from Eden Concert cabaret; COCQ
1 a.m.—English DX program; XEUZ

Key to Symbols Used: *Daily; †Week Days;
†Monday, Wednesday, Friday; ‡Monday, Thursday;
††Tuesday, Thursday, Saturday.

Monday, March 7

4:30 a.m.—Program from Fiji's; VPD2
8:30 a.m.—Oriental variety; ZBW3
8:30 a.m.—Siamese broadcast; HS8PJ (19.02)
10:30 a.m.—Vatican City broadcast; IVWJ
(Continued on Last Column)

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Standard Time.
For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours

THE Fourth Intercontinental Concert, a radio salute from Australia, will be heard over the combined radio networks of the world on Sunday, March 6, from 11 to 11:30 a.m. EST. The Australian program will be relayed to the United States over RCA short-wave facilities via Berlin, Germany.

The Kookaburra bird, whose "laugh" has made it the most famous of all Australian birds, the whip-bird and the mysterious lyre-bird, found in the lonely bush and forest regions of southeastern Australia, will open the concert. Tribal songs of the aboriginal Mananana and Warrego tribes will follow, while the balance of the program will consist of the works of modern Australian composers, played by well-known musical organizations.

On Friday, March 11, at 11 p.m. EST, messages from home to the members of the Waldeck Expedition in British Guiana, will be broadcast over General Electric Station W2XAF (9.53) of Schenectady, New York.

M. Musler, sales manager of Coto-Coil Co., Inc., of Providence, R. I., the firm that is sponsoring the expedition to Pitcairn Island to install a modern radio station there, writes the call letters of the new broadcaster (which will be testing soon on 7.245 and 14.346 megs), will be VR8A. Mr. Musler further states, "No donations of material or labor (for the Pitcairn transmitter) were supplied by the amateurs, and Mr. Lindley (whom I erroneously described in a recent column of Radio Guide as a representative of NBC) is just a member of the expedition, operating under the personal direction of Lew Bellem."

A new Zeesen, Germany, station, DJS (21.45), was brought into use for the first time on Tuesday, March 1, and is now being used daily from 12:05 a.m. to 11 a.m. EST, for the transmission of programs to Asia.

The newly intensified international program service of our United States short-wave stations will soon be the finest in the world. The international program service from Stations W3XAL, W8XK and W2XE, has already been

brought up to date with the addition of powerful new transmitters, directional aerials and broadcasts in several foreign languages.

And now we have General Electric's enlarged short-wave broadcast schedule, including use of the two new frequencies recently granted W2XAD, which went into effect on Wednesday, March 4. Four frequencies are now being used by W2XAF and W2XAD in transmitting programs to international listeners. The broadcasting schedule has been increased by two and one-half hours with the use of the new frequencies. W2XAD (21.5), a new frequency, is now in operation daily 8 a.m. to noon; W2XAD (15.33) operates daily, 12:30 to 7 p.m.; W2XAD (9.55), another new frequency, is in operation daily, 7:30 p.m. to midnight, while W2XAF (9.53) now broadcasts daily from 4 p.m. to midnight EST.

W1XAL, Boston, Mass., has been granted a permit to broadcast on additional frequencies of 11.73 and 15.13 megs, with a power of 20,000 watts on each channel. Tests are in progress on 11.73 megs almost daily, from 3 to 3:30 and from 9 to 9:30 p.m. EST.

A. E. Thomas of St. Michael, Barbados, writes that a new station, VP4TH (7.177), owned by E. Gibbs of 52 Duke St., Port of Spain, Trinidad, has been broadcasting cricket matches and miscellaneous program material daily, from 11 a.m. to 5 p.m. EST, since January 27.

VK8ME (9.59), Perth, West Australia, is now operating week-days from 6 to 8 a.m. EST . . . SM5SX (15.155), Stockholm, Sweden, broadcasts weekdays from 11 a.m. to 5 p.m. and on Sundays from 9 a.m. to 5 p.m. EST, with a power of 500 watts. The identification signal consists of 12 notes on the piano, and the station signs off with the national anthem, "Du Gamla de Frica," sung by a chorus or played by an orchestra.

Heroic deeds of mountaineers and mountaineering enthusiasts will be the featured presentation on the American Hour from Rome, over Short-Wave Stations 2R03 (9.635), IRF (9.82), and IQY (11.9), on Thursday, March 10, at approximately 8:15 p.m. EST.



Recording-room in the BBC's auxiliary studios at Maida Vale, London, in which many of the Empire programs are electrically recorded. Engineer (right) is adjusting a recording, while the one at left controls volume

12:15 p.m. (ex. Sat.) — Hollywood Briefless; W2XAD (15.33)
3:30 p.m.—Drama, "The Count of Monte Cristo" (Part X); GSF GSG
4:45 p.m.—Science news; WIXAL (6.04)
5:15 p.m. (ex. Sat.) — American news; W2XAF (19.53) W2XAD (15.33)
5:30 p.m.—Headlines and By-Lines; W2XNE (11.83)
6:15 p.m.—Monitor news; WIXAL (11.79)
7:15 p.m.—Today in Germany; DJB DJC DJD
7:30 p.m.—Course in Modern Radio; WIXAL (6.04)
8 p.m.—North American program Iron Czechoslovakia; OLR2B
8 p.m.—Conjunto-Nepohians 1936 Typical Orchestra; YVSRC
9:30 p.m.—Albert Sammons, violin; GSD GSD
10:30 p.m.—Empire Follies; GSC GSD GSD

Tuesday, March 8

9 a.m.—Report on the Amsterdam Fire Brigade; PHH
10 a.m.—Tonegny Municipal orchestra; GSF GSD
12:20 p.m.—Walter Collins' orchestra; GSF GSD
2:30 p.m.—Science Forum; W2XAD (15.33)
3 p.m.—Musical play, "The Golden Rose"; GSF GSG
4:20 p.m.—Talk, "America Speaks"; GSO GSD
5 p.m.—BBC Military band; GSF GSO
4:45 p.m.—Broadcast from Chile; CB1170
4:45 p.m.—Program from Belize, British Honduras; ZIK2 (10.6)
4:45 p.m.—Guitar duet; COGF
8:45 p.m.—Conchita Aranita, singer; YVSRC
9:30 p.m.—Opera, "Tristan and Isolde"; DJB DJC
11 p.m.—Program from Tahiti; FORAA
11:30 p.m.—Salute to Latin America; WENAL (6.06)

Wednesday, March 9

6:55 a.m.—Chamber music of Grieg; GSF GSD
9:45 a.m.—Story, "The Old Man"; GSF GSD
11:40 a.m.—World Altars; GSF GSD
12:20 p.m.—Claude Bampton's orchestra; GSO
3 p.m.—BBC Symphony orchestra; GSF GNG
4:35 p.m.—"The Merry Wives of Windsor"; GSO
7 p.m.—Dobuzek program; HAT4
7:30 p.m.—International orchestra; LRX
8 p.m.—Music in Cuba; GSC GSD
8:15 p.m.—Just Talking On; 2R03 IRF IQY
8:30 p.m.—Concert of light music; 2R03 IRF IQY
8:45 p.m.—"For the Short Wave Listener"; WENAL (6.04)
9:35 p.m.—BBC Empire orchestra; GSC GSD GSD

Thursday, March 10

7:30 a.m.—At the Black Dog; GSF GSD GSD
9:35 a.m.—The Cheltenham Gold Cup; GSF GSD
12:20 p.m.—The Dunsart; GSF GSD
2:45 p.m.—Music of George Gershwin; GSF GSD
6:15 p.m.—The story of an automobile; DJB DJC
7 p.m.—Orchestra Musette; LRX
7:15 p.m.—Geber Hernandez' orchestra; YVSRC
8:15 p.m.—Talk, "Heroes of the Mountains"; 2R03 IRF IQY
8:45 p.m.—Report on the Leipzig Fair; DJB DJC
10:15 p.m.—"DX Chatter Box"; WENWJ (41)

Friday, March 11

7:20 a.m.—Billy Thorburn's music; GSF GSD
9 a.m.—BBC Empire orchestra; GSF GSD
11:30 a.m.—Variety program; GSF GSD
12:20 p.m.—Teuse's mandolins; GSF GSD
2:30 p.m.—The Scottish Country; GSF GSD
4 p.m.—English news; LSY (18.115) LRX
7 p.m.—Variety hour; LRX
7:30 p.m.—English broadcast from Switzerland; HBL (9.345)
8:15 p.m.—Rose's Midnight Voice; 2R03 IRF IQY
8:45 p.m.—Report on the Leipzig Fair; DJB DJC
10 p.m.—Messages to the Waldeck Expedition in British Guiana; W2XAF (9.53)
12:15 a.m.—DX club; W8XK (6.14)

Saturday, March 12

8 a.m.—The New Coventry Hippodrome Orchestra; GSF GNG GSD
8:30 a.m.—Melody in rhythm and rhythm in melody; PHH
9:20 a.m.—Super Dansant; PHH
9:35 a.m.—Relay from the Carlton Hotel at Amsterdam; PHH
10 a.m.—Rugby Football; Wales vs. Ireland; GSF LSO
1:45 p.m.—Metropolitan opera; W3XAL (17.73) CMQ (9.74) COBZ (9.02)
2:30 p.m.—"In Town Tonight"; GSF GNG
3 p.m.—Music Hall; Will Fyffe; GSF GSD
4:35 p.m.—BBC Theater orchestra; GSO GSD
5 p.m.—Variety tourist hour; HPSA
6:20 p.m.—Musical Hall; GSC GSD
7:30 p.m.—Fiesta Nimes; LRX
7:45 p.m.—Chamber music; 2R03 IRF IQY
8 p.m.—Cocktail musical program; W3XAL (6.1) CMQ (9.74) COBZ (9.02) TGWA (9.685)
8:15 p.m.—Talk, "The Ballet in Italy"; 2R03 IRF IQY
8:30 p.m.—Piano selections; DJB DJD
9 p.m.—Popular music; COGF
9:45 p.m.—Dance music; YVSRC
10 p.m.—NBC Symphony; W3XAL (6.1) CMQ (9.74) COBZ (9.02) TGWA (9.685)
10 p.m.—Opera; OAX42 (9.34)
11 p.m.—Northern Messenger; messages to those in the Arctic; VENON CRX

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHIJB, Chile	11.68	LRU, Argentina	15.29
CJR, Canada	6.18	LRX,	9.66
CJR, Cuba	11.79	LRX,	10.38
COCH, " "	6.12	OLRIB, Czechoslovakia	8.03
COCH, " "	6.01	OLRJA, " "	9.55
COCH, " "	9.75	OLRAA, " "	11.51
CSW, Portugal	9.91	OMK, Belgium	10.30
DJB, Germany	15.26	OZP, Denmark	9.59
DJC, " "	6.02	PCJ, Holland	9.89, 15.29
DJD, " "	11.77	PHL,	17.77
DJL, " "	16.11	PRADO, Ecuador	6.02
EAJA3, Canaries	10.37	PRT, Brazil	8.50
EAR, Spain	9.49	PRT,	9.50
EASAH, Spanish Morocco	9.49	RAN, U.S.S.R.	9.00
FQAA, Tahiti	14.06	RHL,	7.54
GSA, England	6.65	RWIS,	4.27
GSR, " "	9.21	RVSD,	0.00
GSC, " "	3.55	RFD, Poland	11.63
GSD, " "	11.73	SPW,	12.62
GST, " "	15.14	TFF, Iceland	12.23
GSG, " "	17.79	TIAHRM, Costa Rica	12.23
GSM, " "	21.57	RDC,	9.62
GSI, " "	11.26	TPA3, France	15.24
GSL, " "	21.58	TPA3,	11.58
GSO, " "	6.11	TPA3,	11.71
GSP, " "	11.18	VENCO, Canada	6.00
GSP, " "	15.31	VK3ME, Australia	9.89
HAT4, Hungary	8.19	VK3ME,	9.51
HJN, Switzerland	14.435	VLR,	9.58
HSL, " "	9.34	VPD, Fiji	8.14
HSD, " "	11.402	WP2LO, St. Kitts	8.22
HSP, " "	7.80	WUDL, India	9.38
HGCR, Ecuador	6.66	WIKAL, Boston, Mass.	
HJIAHF, Colombia	9.618	15.50, 11.39 and 8.94	
HPSA, Panama	11.1	XEUZ, Mexico, D.F.	6.12
HPSJ, " "	9.00	XEXA,	6.12
HSRP, Siam	8.31, 19.02	YSD, El Salvador	7.89
IQY, Italy	11.0	YV3RC, Venezuela	8.80
JRF, " "	9.82	ZBWL, China	9.52
JDT, Kwantung	8.96	ZIKZ, British	
JVI, Japan	8.25	ZRM, S. Africa	9.52
JVN, " "	10.66	ZRK,	8.61
JZJ, " "	11.89	Honduras	10.6
JZK, " "	15.16	ZMBJ, S.S. Awatea	6.58
Kibonosel, South Africa	9.03	ZMI, S.S. Kanembu	6.01
South Africa	9.03	ZRO3, Italy	9.03

Short-wave programs of American stations are shown along with the regular listings beginning on page 27. These are indicated, for example, by (sw-11.67) in parentheses following program listing. This means that on 11.67 megacycles the static program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., JZJ; 3:50, GSI, GSD, GSP, GSO, 7:30, XGOX; 7:45, JDY; 8:30, GSI, GSF, GSI, GSJ, GSO; 8:55, JZJ; 11, GSD, GSP, GSG, GSH; 1 p.m., GSA, GSB, GND, GSG; 2:40, ZR03; 3:10, TPA3; 4:15, GSB, GSC, GSO; 4:30, OLR3A; 4:45, EA9AH; 6:05, JZJ, HPSA; 7, EA9AH, HPSJ, RAN, RKT; 7:15, CSW; 7:30, EA9J3, EAR; 7:35, ZR03; 7:40, GSB, GSC, GSD, GSP; 8:15, EA9J3, DJB, DJD; 10:30, GSO, GSC, GSD, GSI, GSD, DJB, DJD; 10:45, CJR, CJRX; 11:30, TPA4.

Daily Except Sundays—8:20 a.m., VK3LR. Mon., Tues., Thurs., Fri.—9:45 p.m., OLR3A or OLR4A.

Sunday, March 20

*7 a.m.—Program from Darles, Kwantung; JDY
*8 a.m.—Variety program; DJL
*8 a.m.—International church; COCQ
*8 a.m.—Overseas hour (South Seas); JZJ
9:05 a.m.—Symphony orchestra; PHI
12:20 p.m.—Crystal Palace band; GSG GSD
*2 p.m.—Danish program; OZP
*3 p.m.—English news; TPA3 (11.885) (15.13)
*4 p.m.—Test broadcasts from St. Kitts; WP2LO (16.38)
*4:30 p.m.—Overseas hour (South America); JZJ
*4:55 p.m.—Greetings to listeners; DJB DJD
5:30 p.m.—Belle's orchestra; VV5RT
*5:30 p.m.—Polish program for North America; SPW (13.635) SPD (11.535)
*6 p.m.—"La Yer de Las Provincias"; COCH
*6 p.m.—Cadena Crucial network program; COCO
6:50 p.m.—Salvation Army services; GSD GSP
7 p.m.—Brazil on the Air; PSH (10.22)
7 p.m.—Soviet program; RAN RKT
7:30 p.m.—Loyalist programs from Madrid; EAR (19.488)
7:30 p.m.—English news from Italy; 2H03 IRF
*7:40 p.m.—News summary; GSD GSP
8 p.m.—Special North American broadcast by Dutch Roman Catholic Broadcasting Association; PCJ (9.59)
*8:15 p.m.—English news; DJB DJD
*8:30 p.m.—Spanish news; GSB
*8:45 p.m.—Portuguese news; GSB
*9 p.m.—Nationalist program for North America; Salamanca (10.37)
*9 p.m.—Cararo's tango band; LRX
9:15 p.m.—German Collegium Musicum; DJB
*9:30 p.m.—Oriental program from India; VU0D
10:30 p.m.—English news summary; GSD GSC
10:30 p.m.—English news from Germany; DJB
*11 p.m.—Tests from Pitcairn Island; VRSA (14.346)
*11 p.m.—Marin dance orchestra; COCH
*11:45 p.m. (ex. Sat.)—Program from South Africa; ZRK ZRH
*12 mid.—Broadcast from Eden Concert cabaret; COHQ
*1 a.m.—English DX program; XEUZ

Key to Symbols Used: *Daily; +Week Days;
Monday, Wednesday, Friday; #Monday, Thursday;
##Tuesday, Thursday, Saturday; ##Monday,
Tuesday, Thursday, Friday.

(Continued in Last Column)

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times Indicated on this page are for Eastern Standard Time.
For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours

ON FRIDAY, March 25, at 10 a.m. EST, listeners to Daventry, England, will hear a commentary on the Grand National, which is run on the Aintree course near Liverpool. So far as this world-famous steeplechase is concerned, listeners certainly get the most complete picture of the event, for spectators on the Aintree course, except those in certain favored spots, see little more than a small section of the race. The horses make two complete circuits of the course, and negotiate some thirty obstacles, twice encountering those favorite resorts of press and film photographers, the notorious Becher's, and Valentine's Brooks. Highest of all the National jumps is the Open Ditch, over five feet high. The horses take off over a ditch six feet wide. "Royal Mail," last year's winner, is the popular favorite, although experts state that it is unlikely that this horse will duplicate "Reynoldstown's" feat in 1935 and 1936 by winning two Nationals in succession. Reynoldstown's "double" was the first in seventy years.

Edwin Kline, Jr., of Great Neck, N.Y., reports that on March 7 Spanish Loyalist Station EAR (9.458), Madrid, discontinued the program which was at 9:30 p.m. EST, and is now broadcasting daily from 7:30 to 8 and from 8:40 to 9 p.m. EST.

Ray Shaffar of Waterloo, Ia., writes that he has received word from R. E. Larson of Quito, Ecuador, that HCJB4 (7.41), the new Ecuadorian mentioned in this column a couple of weeks ago, is located at Portoviejo, in the province of Manabi. The power of this transmitter is low, as it is only meant to serve a small section of Ecuador not covered by the other HCJB stations which are located at Quito and are known as "The Voice of the Andes." These stations are owned by Clarence Jones, a missionary, and are used for gospel and general entertainment purposes.

Transmissions for international listeners are made on a frequency of 8.84 megs, while local reception is afforded on a dual frequency of 4.107 megs. "Radio Rodante," a gospel sound-bus incorporating a mobile transmitter operating on various frequencies in the 20- and 40-meter bands, is used to broadcast programs in distant parts of

Ecuador. Amateur contacts and occasional relays of program material are made over HCJB (14.42). Mr. Jones, whose health has suffered from the constant rigors of Quito's altitude of 10,000 feet, is at present recuperating at his home in Chicago, Ill.

A committee of experts will meet soon in Geneva, Switzerland, to discuss a possible extension of the League of Nations' short-wave broadcasting activities in the cause of peace.

PITCAIRN is on the air. VRSA (14.346), was heard on Saturday, March 5, from 1:30 to 2 a.m. EST, working Amateur W8CNA at Binghamton, N. Y. The operator stated the station would be on the air nightly at 11 p.m. EST, contacting Amateur Stations W1BES and W1GR. The former transmitter is owned by Lew Bellen, a member of the Expedition now at Pitcairn. To Harry Kentzel of Avon Park, N. Y., goes credit for this first report of reception from VR6A. It is likely that tests with the NBC will commence soon, preparatory to arranging details for the exclusive series of broadcasts this network is to bring from this lonely and romantic isle.

Starting on March 21, the interesting program from Switzerland, which is heard every Monday from 6:45 to 8:30 p.m. EST, will be transmitted on two new frequencies, namely HBJ (14.535) and HBO (11.402).

The new operating schedule for Columbia Broadcasting System's International Short-Wave Station W2XE, which became effective on March 7, is as follows: Mondays through Fridays, 7:30 to 10 a.m. EST, to Europe, on 21.52 megs; 1 to 6 p.m. EST, on 15.27 megs; 6:30 to 11 p.m., to South America, on 11.83 megs, and from 11 p.m. to midnight EST, on 6.12 megs. Saturdays and Sundays, 8 a.m. to 1 p.m. EST, to Europe, on 21.52 megs; 2:30 to 6 p.m. EST, on 15.27 megs; 6:30 to 11 p.m. EST, to South America on 11.83 megs, and from 11 p.m. to midnight EST, on 6.12 megs.

R. Metauten of Havana, Cuba, writes that a new 25,000-watt Cuban army short-wave transmitter will be testing on approximately 6 megs soon.



Listeners to Station PRADO (6.625), South America, hear these Ecuadorian artists in a program of romantic music each Thursday at 9 p.m. EST

Monday, March 21

15:30 p.m.—Program from Fiji; VPD2
8:8 a.m.—Program from Hong Kong; W1UK3
8:8 a.m.—Siamese broadcast; HSPPJ (19.02)
11:30 a.m.—Vatican City broadcast; HVJ
3:30 p.m.—Drama, "The Count of Monte Cristo" (Part XIII); GSP GSG
14:50 p.m.—Science news; WIXAL (6.64)
15 p.m.—American news reader; W2XA (9.53)
W2XA (15.33)
16 p.m.—Monitor news; WIXAL (11.79)
6:30 p.m.—English program from Martinique; Radio Martinique (9.685)
6:45 p.m.—Variety program from Switzerland; HBO (11.402); HBJ (14.535)
17:30 p.m.—North American program from Czechoslovakia; OLR3A or OLR4A
18 p.m.—Typical orchestra; COGF
9:15 p.m.—German Study Club; DJB DJD
9:30 p.m.—Lively entertainment; DJB IMD
10:15 p.m.—All Kinds of People; GSC GSD

Tuesday, March 22

9 a.m.—Young Netherland artist; PHI
11:30 a.m.—"The Melody Is There"; GSP GSG
1:25 p.m.—BBC Midland orchestra; GSP GSG
2:30 p.m.—Science Forum; W2XA (15.33)
6 p.m.—German folk songs; DJB DJD
6:55 p.m.—Comedietta, "Village Wedding"; GSP
7:17 p.m.—Broadcast from Chile; CBI170
17:30 p.m.—Program from Belize, British Honduras; ZIN2 (10.5)
18 p.m.—Argentine music; COGF
8:15 p.m.—Behind the Scenes Aboard a Crack Streamliner; 2R03 IRF
8:30 p.m.—Roll Parr, harpist; DJB DJD
9 p.m.—International DX'ers Alliance Program from Ecuador; HC2RL (16.635)
9:30 p.m.—Question Box; EAR
11 p.m.—Program from Tahiti; FGAA
11:30 p.m.—Salute to Latin America; WBNL (6.06)

Wednesday, March 23

9:35 a.m.—"The Lincoln," a commentary on the Lincolnshire Handicap, from Carlton, Lincoln; GSF GSF
11:40 a.m.—"World Allies," Sir Malcolm Robertson; GSF GSG
5 p.m.—Let's play circus; DJB DJD
6 p.m.—Opera, "Marguerite," Charles Gounod; DJB DJD
7 p.m.—Young authors will read; DJB DJD
7:30 p.m.—International orchestra; LRX
8 p.m.—Recital of Spanish music; GSD GSP
8:15 p.m.—Rita Jenma Wade; 2H03 IRF
8:45 p.m.—For the Short-Wave Listener; WIXAL (6.04)
9:30 p.m.—North American program from Guatemala City; TGWA (9.665)
10 p.m.—"Music and Stories of Latin America"; W3XAL (6.1)

Thursday, March 24

9 a.m.—The House in the Country; GSF GSG
1:40 p.m.—BBC Scottish orchestra; GSP GSG
2:30 p.m.—"The Scottish Country"; GSP GSG
3:30 p.m.—Talk, "The Way of Peace"; GSP GSG
6:15 p.m.—Sailors ashore; DJB DJD
6:50 p.m.—Soirée concert; GSF GSP
7 p.m.—Orchestra Musette; LRX
7:30 p.m.—Poplar orchestra; YVSRC
8:30 p.m.—Dr. Franz Reichardt; DJB DJD
10:50 p.m.—Rocky Mountainers; GSC GSD

Friday, March 25

8:40 a.m.—PHOII Variety Ensemble; PHI
9:50 a.m.—Talk by Bart Peet; PHI
10 a.m.—"The Grand National," a commentary on the race from Aintree, Liverpool; GSF GSF GSF GSD GSD GSD
12:45 p.m.—"Monkey Wrenches in the Trade Machine," Sir Josiah Stamp; GSF GSD
4 p.m.—English news review; LSY (16.115) LRX
6 p.m.—Variety hour; DAB DJD
7 p.m.—Humorous side; DJB DJD
7:45 p.m.—Stars of Italian stage and radio; 2H03 IRF
8:15 p.m.—"Home's Midnight Visitor," Amy Kennedy; 2H03 IRF
9:30 p.m.—Non-stop variety program; GSC GSD
10 p.m.—Canada, 1938; CHX (6.065)
11 p.m.—Broadcast to Waldeck Expedition in British Guiana; W2XA (9.53)
12:15 a.m.—DX Club; W8XX (6.14)

Saturday, March 26

8:30 a.m.—PHOII Variety Ensemble; PHI
10:45 a.m.—Association football match; GSF GSG
1:45 p.m.—Metropolitan opera; W3XAL (17.75) CMQ (19.74) COBZ (9.62)
2:30 p.m.—In Town Tonight; GSF GSG
3 p.m.—Music Hall; GSF GSG
5 p.m.—Tourist hour; HP5A
6 p.m.—Lea Filtz, singer; DJB DJD
6:30 p.m.—Symphony concert; DJB DJD
7:30 p.m.—Operetta concert; DJB DJD
8 p.m.—Concert orchestra; YVSRC
8:10 p.m.—George Baker, ballad rental; GSD
9:15 p.m.—Club of Nations; DJB DJD
9:30 p.m.—American Portraits; W2XA (9.53)
10 p.m.—Aolian Orchestra; GSF GSD
10:45 p.m.—International DX'ers Alliance Program from Venezuela; YVIRH (9.645)
11 p.m.—Northern Messenger; Message to those in the Arctic; VFOON CRX

(Megacycles or thousands of kilocycles shown)

CB11TB, Chile	11.65	LRX, Argentina	9.60
CJHO, Canada	6.15	LSX, " "	10.34
CJMX, Cuba	11.75	OLRER, Czechoslovakia	6.02
CLCD, "	6.15	"	6.02
COLI, "	9.45	OLRER, "	5.55
COCO, "	9.05	OLRER, "	11.81
COCO, "	8.75	OLRER, "	15.23
COOF, "	11.65	OZP, Denmark	9.32
CW, Portugal	9.94	PCJ, Holland	9.39, 15.72
DJE, Germany	16.35	PHI, "	12.72
DJC, "	6.95	PRADO, Ecuador	6.62
DJR, "	11.75	PRF, Brazil	9.10
DJE, "	13.15	PRF, "	9.50
EAMT, Canaries	10.25	RAN, U.S.S.R.	9.60
EAR, Spain	8.45	RK1, "	7.84
EASAH, Spanish Morocco	14.05	RNE, "	12.90
FCMIA, Tahiti	7.15	RV59, "	6.00
GSA, England	6.05	SPD, Poland	11.52
GSA, "	9.55	SPW, "	11.64
GSC, "	9.55	TFJ, Iceland	16.22
GSD, "	11.75	T14XRM, Costa Rica	9.085
GSE, "	15.15	VLC, "	9.085
GSO, "	17.75	TPAF, France	11.24
GSH, "	11.45	TPAF, "	11.88
GSI, "	15.25	TPAF, "	11.71
GSI, "	21.55	VERDN, Canada	6.005
GSL, "	6.15	VICM, Australia	9.58
GSO, "	19.75	VK3ME, "	9.51
GSE, "	15.85	VLR, "	9.58
HATC, Hungary	9.15	VPD2, Fiji	9.54
HBJ, Switzerland	14.55	VP2LO, St. Kitts	9.38
HEL, "	9.35	VUDS, India	9.58
HEO, "	11.45	W1KAL, Boston, Mass.	9.405
HEP, "	7.95	W1KAL, 11.75 and 6.04	9.405
HCHL, Ecuador	6.65	XE2Z, Mexico, D.F. 6.12	6.122
HJADP, Colombia	9.65	XEXA, "	6.122
HPSA, Panama	11.7	YSD, El Salvador	7.595
HPSJ,	9.05	YVRC, Venezuela	9.10
HSPJ, Siam	9.55	ZEW3, China	9.525
IRI, Italy	9.85	ZETZ, British	9.58
JDY, Kwangtung	9.95	Honduras	10.6
JVI, Japan	9.85	ZEM2, E. Africa	9.525
JVN, "	10.05	ZZK, "	9.61
JZJ, "	11.85	ZMB2, S.E. Africa	9.14
JZK, "	16.15	ZML, S.S. Kanembia	6.91
LRU, Argentina	15.25	ZRO2, Italy	9.635

Short-wave programs of American stations are shown along with the regular listings beginning on page 27. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., JZJ; 3:30, GSR, GSD, GSF, GSO; 7:30, XGOX; 7:45, JDY; 8:30, GSC, GSF, GSH, GSJ, GSO; 8:55, JZJ; 11, GSD, GSF, GSC, GSJ; 1 p.m., GSB, GSD, GSG; 2:40, 2R05; 3:10, TPA3; 4:15, GSB, GSD, GSF, GSO; 4:30, DLH3A; 4:45, LA9AH; 6:05, JZJ, HPSA; 7, EA9AH, HPSJ, HAN, RK1; 7:15, CNW; 7:30, EA9J3, FAE; 7:35, 2R05; 7:40, GSH, GSC, GSD, GSF; 8:15, EA9J3, 3R0B, IJD; 10:30, GSH, GSC, GSD, DJB, DJD; 10:45, CJRQ, CJRX; 11:30, TPA3.
Daily Except Sundays—8:20 a.m., VK3LB
Mon., Tues., Thurs., Fri.—9:45 p.m., OLRE3 or OLRE4A

Sunday, March 27

7 a.m.—Program from Darien, Kwangtung; JDY
8 a.m.—Variety program from Germany; DJL
8 a.m.—International church; COCQ
8 a.m.—Overseas hour for South Seas; JZJ
8:50 a.m.—Phœnix Symphony Orchestra; PHI
10:15 a.m.—BBC Orchestra; GSF GSJ
2 p.m.—Special Transmissions for Austrian Nationals; IJD (9.59)
2 p.m.—Danish program; OZP
3 p.m.—English news from France; TPA3 (11.885) (15.13)
4 p.m.—Test broadcasts from St. Kitts; VP2LO (6.38)
4:30 p.m.—The Khyber Pass; GSF GSD
4:45 p.m.—Greetings to listeners; DJB DJD
5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese for Europe; W3XAL (17.78)
6 p.m.—Polish program for North America; SPW (13.635) SFD (11.535)
6 a.m.—La Voz de Los Provincias; COCH
6 p.m.—Caledon-Crossroads network program; COCO
6:50 p.m.—Methodist services; GSC GSD GSF
7 p.m.—Brazil on the Air; PSH (10.22)
7 p.m.—Soviet program; RAN JH1
7:30 p.m.—English news from Italy; 2R03 IRF
7:40 p.m.—News summary; GSC GSD GSF
8 p.m. (ex. Sat. & Sun.)—Portuguese news for Brazil; W3XAL (17.78)
8:15 p.m.—English news from Germany; DJB
8:30 p.m.—Spanish news bulletin from Daventry; GSH
8:30 p.m.—Hawaii Calls; KRP (16.03)
8:45 p.m.—Portuguese news bulletin from Daventry; GSH
9 p.m.—Nationalist program for North America; Salamanca (10.37)
9 p.m.—Caruso's tango band; LMX
9:30 p.m.—Oriental program from India; VED2
10:30 p.m.—English news from Germany; DJB
11 p.m.—Marti dance orchestra; COCH
11:45 p.m. (ex. Sat.)—Program from South Africa; ZIKR ZHII
12 mid. (approximately)—Amateur transmissions from Pitcairn Island; V16GA (14.345)
12 mid.—Broadcast from Eden Concert cabaret; COCQ
1 a.m.—English DX program; XEUZ

Key to Symbols Used: * Daily; † Week Days;
‡ Monday, Wednesday, Friday; § Monday, Thursday;
|| Tuesday, Thursday, Saturday; # Monday, Tuesday, Thursday, Friday.
(Continued on Last Column)

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times Indicated on this page are for Eastern Standard Time.
For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours

WHILE the map of Europe is being changed overnight, short-wave channels fairly crackle with their charge of history-making flashes. Zealous frequencies overflow with martial music, sounds of stamping feet, wildly cheering mobs, and a thousand "Heil Hitlers." England for once abandons her traditional conservatism as the Coventry news-bulletins worded with sarcasm and thinly veiled enmity and disgust roll in. Austrian stations will hereafter transmit with the German networks and it is logical to assume that the powerful new short-wave station under construction near Vienna will now become just another Nazi mouthpiece. Unfortunately, the present Vienna short-wave station is poorly received in the United States, but you can try for OFR3 (11.70) anytime from 3 p.m. until WIXAL comes on the frequency near 4:50 p.m. EST.

Japan is quite anxious to know how the two new overseas periods for the United States, namely from 7 to 7:30 a.m. and from 6 to 6:30 p.m. EST, both over JZJ (11.8), are being received here, and to this end is sending out huge questionnaires to certain favored short-wave listeners.

Short-wave reception on the amateur bands is reaching its yearly peak, affording excellent possibilities for picking up stations in every corner of the world. John DeMyer of Lansing, Mich., tells me that on a recent night between the hours of 1:25 and 3:40 a.m. EST, he logged exactly 41 European stations on the 20-meter band... ESSD (14.07), located at Tapa, Estonia, is being heard with fine signals between 1 and 2 a.m. EST... A number of listeners report LXITW (14.02-14.44) in Luxembourg, between 1 and 4 a.m. EST. Reports on this amateur should be sent under cover to Réseau Luxembourgeois, Grand Duchy of Luxembourg... OQ5AA (14.07), in the Belgian Congo, works W8JK every Monday near 4:30 p.m. and sometimes near 12 midnight EST... The amateur NP2, "North Pole Calling," recently reported in this column as a mystery station, was none other than TI2HP in

Costa Rica, evidently in a playful mood... Who is PI7G (14.08), who announces his location as seventeen miles from Lisbon, Portugal, and power as 18 watts? The prefix of the call would indicate an outlaw transmitter.

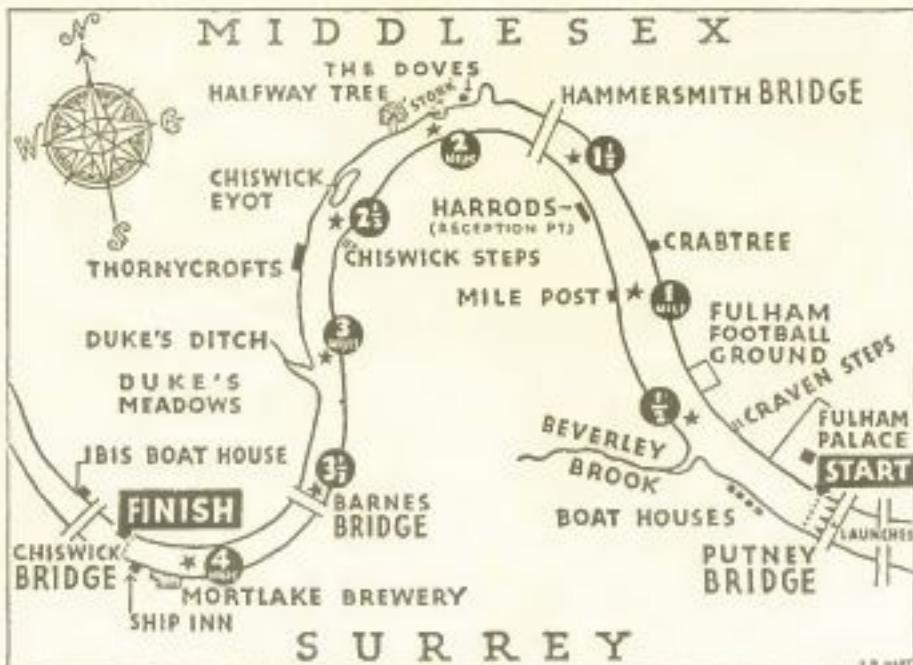
The revised schedule for LKJ1 (9.52) of Jeloy, Norway, as furnished by H. Brisset of Bezons, France, is as follows: Week-days, 4:30 to 10:30 a.m., and on Sundays, 2:30 to 10:30 a.m. EST. LKJ1 broadcasts on 6.13 mcys daily from 10:30 a.m. to 5 p.m. EST.

James Pratt of London, Ontario, Canada, writes that YDC (15.15), Bandeng, Java, is being heard Mondays through Fridays from 6 to 7:30 p.m. EST. The program opens with the Dutch National Anthem, followed by setting-up exercises. At 8:30 p.m. EST, a clock can be heard striking seven times (7 a.m. in Java), and the remainder of the program consists of recordings which are very easy to identify.

Columbia Broadcasting System's Short-Wave Station W2XF has been transmitting a series of directional broadcasts to Egypt, to determine the feasibility of relaying CBS programs over regular Egyptian radio facilities.

XETA (11.76), "El Pregonero del Norte," Monterrey, Mexico, which recently returned to the air with a new 1,000-watt transmitter, is now being heard daily from 12 noon to 3:30 p.m. EST, and irregularly in the evenings, according to Alfonso Velasco of Mexico D.F. ... "Radio del Pueblo" (7.1), Guadalajara, Mexico, has suspended its bootleg transmissions although it may reappear on some other frequency... XEW1 (11.9) of Mexico D.F. is operating irregularly owing to constructional activities in connection with increasing the power of its transmitter.

The famous annual Oxford vs. Cambridge Boat Race, which was initiated in 1829, will be described in a Daventry commentary on Saturday, April 2, at 8:30 a.m. EST. Announcers will follow the crews down the four-and-a-quarter-mile course in the BBC launch, Magician. The finish of the race will be televised for the first time.



Listeners to Daventry stations will hear a description of the Oxford-Cambridge Boat Race to be run over the above course, Sat., 8:30 a.m. EST

Monday, March 28

*5:30 a.m.—Program from Fiji; VPD2
8:20 a.m.—Program from Hong Kong; ZRW3
8:30 a.m.—Swiss broadcast; HSPPJ (19.02)
9:30 a.m.—Meeting of the Phosi Club; PHI
10 a.m.—Folklore Municipal Orchestra; GSO
11:30 a.m.—Vatican City broadcasts; HVJ
12:30 p.m.—Charles Brill's Orchestra; GSG
14:30 p.m.—Science news; WIXAL (16.04)
15 p.m.—American news tower; W2XAF (9.53)
W2XAD (15.33)
16 p.m.—Monitor news; WIXAL (11.79)
6:30 p.m.—English program from Martinique; Radio Martinique (9.685)
7:30 p.m.—Hans Pfitzer, songs; DJB DJD
11:30 p.m.—North American program from Czechoslovakia; OLRE3
18 p.m.—Typical Orchestra; COGF
8:30 p.m.—Concert of light music; DJB DJD
9:30 p.m.—German Stud Club; DJB DJD
10:30 p.m.—Special Broadcast for Kentucky; DJB DJD
11:30 p.m.—News summary; GSC GSD

Tuesday, March 29

7:55 a.m.—Harry Engleman, pianist; GSF GSD
11:20 a.m.—Hungarian Gypsy Party; GSC GSJ
4:20 p.m.—America Speaks; GSD GSF
5 p.m.—General Hansen, pianist; DJB DJD
6 p.m.—Science in the news; W2XAF (15.33)
W2XAF (9.53)
5:30 p.m.—Broadcast from Chile; CB1370
7:30 p.m.—Program from Belize, British Honduras; ZIN2
8:30 p.m.—Argentine music; Gavilan and Catanes, guitar due; COGF
8:15 p.m.—"Strolling on the Bottom of the Sea"; Roberto Galeazzi; 2R03 IRF
9 p.m.—Popular classics; VVSRC
9:40 p.m.—A contest between swell and swell music; GSC GSD
11:30 p.m.—Salute to Latin America; W3XAL (16.06)

Wednesday, March 30

11:40 a.m.—"World Affairs," J. L. Brierley; GSF GSD
12:20 p.m.—Carroll Gibbons and the Boy Friends
2:40 p.m.—Congress Dances; GSC GSJ
5 p.m.—Variegated music; DJB DJD
6:15 p.m.—"Views and News from Guatemala," Dr. Sharp; TGWA (9.685)
6:30 p.m.—English program from Martinique; Radio Martinique (9.685)
7 p.m.—Budapest program; HAT4
7:30 p.m.—International Orchestra; LRX
8 p.m.—Latin American night; W3XAL (6.1)
8:30 p.m.—The Continentals; VVSRC
9:15 p.m.—Music and humor; DJB DJD
9:30 p.m.—North American program from Guatemala City; TGWA (9.685)
10:15 p.m.—Jeanne Gauthier, songs; DJB DJD
10:50 p.m.—Vest pocket vaudeville; GSC GSD

Thursday, March 31

6 a.m.—Special DX Broadcast from Siam; HSIBJ (14.07)
7:15 a.m.—Talk by the Empire Program Director; GSF GSC GSJ
10:35 a.m.—H.M. Central Royal Air Force band; GSC GSJ
1:20 p.m.—BBC Empire orchestra; GSF
4:35 p.m.—H.M. Irish Guard's band; GSD GSF
6 p.m.—Viennese waltzes; DJB DJD
7:30 p.m.—Army songs; DJB DJD
8 p.m.—Recital of Spanish music; GSC GSD GSF
8:15 p.m.—Talk, "Goldsmith, City of the Sky"; 2R03 IRF
8:45 p.m.—Production of Fine-Steels; DJB DJD
10:15 p.m.—DX Chat Box; W3XWJ (4.1)
10:50 p.m.—Selections from Gilbert and Sullivan operas; GSC GSD
11 p.m.—Food for Thought; GSC GSD

Friday, April 1

9 a.m.—BBC Empire Orchestra; GSC GSJ
2:30 p.m.—Broadcast Direct from Quebec; GSC GSF
4 p.m.—English news review; LSY (18.115) LRX
7 p.m.—Play, "The Bishop Dreams"; GSC GSD
7:30 p.m.—English broadcast from Switzerland; HBL (9.345)
8 p.m.—H.M. Welsh Guard's band; GSC GSD
8:15 p.m.—Home's Midnite Voice; 2R03 IRF
9 p.m.—Program for Latin America; WIXAL (11.79)
10 p.m.—"Canada, 1938"; CPCX (16.05)
12:15 a.m.—DX Club; W3XK (6.14)

Saturday, April 2

6 a.m.—Special DX Broadcast from Siam; HSIBJ (14.07)
8:30 a.m.—Oxford vs. Cambridge Boat Race; GSC GSJ
9:55 a.m.—Steeplechasing at Crowthorne; GSC GSJ
10:40 a.m.—Motor Hurling; The Coronation Trophy Race; GSC GSJ
11:45 p.m.—Metropolitan opera; W3XAL (17.78) CMQ (9.74)
2:30 p.m.—In Town Tonight; GSC GSF
3 p.m.—"Palace of Varieties"; GSC GSF
5 p.m.—Tourist hour; HBL
7:30 p.m.—Fie-la-Rousse; LRX
9:30 p.m.—American Portraits; W2XAF (9.53)
10 p.m.—Opera; QAN4
10:20 p.m.—Ladies' Log; GSC GSD
11 p.m.—Northern Messenger; Messages to those in the Arctic; VENON (14.14)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CB1170, Chile	11.63	LRX, Argentina	9.46
CJRO, Canada	6.15	LSK, Argentina	10.35
CJRX, Cuba	11.72	OLR4B, Czechoslovakia	6.03
COCD, " "	6.10	"	9.55
COCH, " "	8.43	OLR4A, " "	11.86
COCD, " "	6.01	OLR4A, " "	11.76
COCD, " "	8.75	OLR4B, " "	11.23
COGF, " "	11.85	OLR4A, " "	15.23
CSW, Portugal	3.94	OZP, Denmark	9.52
DJB, Germany	15.22	PCJ, Holland	9.50, 15.22
DJC, " "	6.02	PHI, " "	17.175
DJD, " "	11.77	PHADO, Ecuador	" "
DJL, " "	16.11	PRF, Brazil	9.00
EAJ43, Canaries	10.27	RAN, U.S.A.R.	9.51
EAR, Spain	8.45	RRI, " "	7.54
EASAH, Spanish Morocco	14.05	RVI, " "	12.08
FORAA, Tahiti	7.11	RVAS, " "	6.05
GSA, England	6.05	SPD, Poland	11.53
GSD, " "	5.51	SPW, " "	13.04
GSC, " "	9.68	TEJ, Ireland	12.25
GSD, " "	11.75	TGDNR, Costa Rica	9.691
GSF, " "	15.14	Vice, " "	9.58
GSO, " "	17.19	TPAE, France	15.24
GSH, " "	21.47	TPAS, " "	11.81
GSI, " "	15.26	TPAS, " "	11.71
GSI, " "	21.18	VEHDE, Canada	6.005
GSL, " "	5.11	VK3ME, Australia	9.45
GSO, " "	15.18	VK3ME, " "	9.51
GSP, " "	15.21	VLR, " "	9.58
HAT4, Hungary	9.12	VFD, Fiji	9.54
HBJ, Switzerland	14.55	VPZLO, St. Kitts	9.38
HBL, " "	8.44	VUDT, India	9.59
HPO, " "	11.452	WIXAL, Boston, Mass.	7.00
HPSL, Ecuador	6.68	XEUX, Mexico, D.F.	9.17
HJIAAP, Colombia	9.618	XEXA, " "	6.172
HPSA, Panama	11.7	YSD, El Salvador	7.084
HPSJ, " "	8.46	YVSRC, Venezuela	9.58
HSEPT, Spain	8.51	ZHW3, China	9.625
IRF, Italy	8.03	ZIK2, British Isles	7.00
JDY, Kwantung	8.025	ZIK2, Honduras	10.6
JVI, Japan	8.526	ZRHL, S. Africa	9.625
JVN, " "	10.66	ZRK, " "	9.61
JZB, " "	11.80	ZMB, S.S. Abyssinia	9.84
JZK, " "	15.16	ZMI, S.S. Kenyatta	9.91
LHU, Argentina	15.29	ZRO, Italy	9.635

Short-wave programs of American stations are shown along with the regular listings beginning on page 27. These are indicated, for example, by (SW-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., JZI; 2:40, GSB, GSD, GSF, GSC, GSO; 7:30, NGOX; 7:45, JDY; 8:30, GSF, GSP, GSH; 8:45, JZJ; 11, GSD, GSF, GSG, GSH; 12:20, p.m., GSB, GSD, GSC; 2:40, ZR03; 3:10, TPA3; 4:15, GSD, GSD, GSF, GSO; 4:30, OLI3A; 4:45, EA9AH; 6:05, ZJZ, HPSA; 7, EA9AH, UP5J, RAN, RRI; 7:15, CSW; 7:30, EAJ43, EAR; 7:35, ZB03; 7:40, GSB, GSC, GSD, GSF; 8:15, EAJ43, DJB, DJD; 10:30, GSB, GSC, GSD, DJB, DJD; 10:45, CJRO, CJRX; 11:30, TPA4.
Daily Except Sundays—8:20 a.m., VK3LR
Mon., Tues., Thurs., Fri.—9:45 p.m., OLR4A or OLR4B.

Sunday, April 3

*7 a.m.—Program from Daries, Kwantung: JDY
*8 a.m.—Variety program from Germany: DJL
*8 a.m.—International church: COU
*8 a.m.—Overseas hour (South Seas): JZJ
8:30 a.m.—Oratorio, "St. Matthew Passion" (Bach): GSF, GSG
8:45 a.m.—Football: Belgium vs. Holland: PHI
*2 p.m.—Danish program: OZF
*3 p.m.—English news from France: TPA3 (11.885) (15.13)
*4 p.m.—Test broadcasts from St. Kitts: VPZLO (16.38)
*4:55 p.m.—Greetings to listeners: DJB, DJD
*5:15 p.m. (ex. Sat., Sun.)—News in Portuguese for Europe: W3XAL (17.78)
*6 p.m.—Overseas program (Eastern North America): JXD
*6 p.m.—Polish program for North America: SPW (13.635) SPD (11.535)
*6 p.m.—La Voz de Las Provincias: COCH
*6 p.m.—Cadena Crisostomo network program: COCO
*7 p.m.—Brazil on the Air: PSH (10.22)
*7 p.m.—Soviet program: RAN RRI
*7:30 p.m.—Loyalist news from Madrid: EAII (9.488)
*7:30 p.m.—English news from Italy: ZR03 IRF
*7:40 p.m.—English news summary from England: GSP, GSC, GSD
*8 p.m. (ex. Sat., Sun.)—Portuguese news for Brasil: W3XAL (17.78)
*8:15 p.m.—English news from Germany: DJB
*8:30 p.m.—Spanish news bulletin from Daventry:
*8:45 p.m.—Portuguese news bulletin from Daventry: GSB
*9 p.m.—Nationalist program for North America: Salamanca (10.37)
*9 p.m.—Canary's tango band: LRX
*9:30 p.m.—Oriental program from India: VLD2
*10:30 p.m.—English news from Germany: DJB
10:45 p.m.—Birthday greetings: DJB, DJD
*11 p.m.—Marie dance orchestra: COCH
*11:45 p.m. (ex. Sat.)—Program from South Africa: ZER, ZRH
*12 mid.—Broadcast from Eden Cabaret: COCO
*1 a.m.—English DX period: XEUZ
*2 a.m.—Amateur transmissions from Pitcairn Island: VH6AY (14.346)

Key to Symbols Used: *Daily; †Week Days;
\$Monday, Wednesday, Friday; \$Monday, Thursday;
††Tuesday, Thursday, Saturday; §§Monday,
Tuesday, Thursday, Friday.
(Continued on Last Column)

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Standard Time.
For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours

THE German short-wave station started its activity for the Reich of Adolf Hitler, on April 1, 1933, with the inauguration of directional broadcasts for North America. The power of the transmitter at that time was only 4,000 watts. During the Olympic games in Berlin, in August, 1936, this power was boosted to 40,000 watts. Daily programs are now radiated on directional antennae to Africa, East and South Asia, and South and Central America, as well as North America. Testifying to the popularity of the Zeesen broadcasts, in the first year the authorities received 3,000 letters from listeners abroad, while last year more than 50,000 letters poured in from all corners of the earth.

To celebrate its fifth anniversary, a number of feature programs have been prepared for presentation from Zeesen for the period April 1 to 10. On Friday, April 1, at 8 p.m. EST, the director of the German short-wave stations, Dr. Kurt v. Boeckmann, will speak, while later in the same evening at about 9:30 p.m. EST, Reichminister Dr. Joseph Goebbels will make an address. Other outstanding programs to be heard will include: "Marvels of Engineering," on Monday, April 4, at 6:45 p.m. and "German Broadcasting Stations Greet the World," including pick-ups from all of the principal cities of Germany, at 9:30 p.m. EST; presentation of the opera, "The Flying Dutchman," on Tuesday, April 5, at 6:30 p.m. EST; "Poets of the Third Reich," introducing all of the famous poets of present-day Germany, on Wednesday, April 6, at 5:15 p.m. EST; a talk, "The German Mind and the World," on Thursday, April 7, at 9:15 p.m. EST; a concert of the Berlin Philharmonic Orchestra on Friday, April 8, at 7:30 p.m. EST; "Stars of the German Opera," presenting the leading operatic voices of the country, on Saturday, April 9, at 7:30 p.m. and an announcer's parade, to bring the festivities to a close at 8:30 p.m. EST.

One of the new Emissaries, France, short-wave transmitters is broadcast-

ing on 11.85 megs, almost every evening in parallel with TPA4 (11.713). The new "Radio Colonial" station is much louder than the old one . . . Summer time went into effect in France, on March 26, so all schedules from this country will be heard one hour earlier than heretofore.

A new fortnightly feature entitled, "Empire Gazette," reflecting contemporary happenings in various parts of the Empire, will be introduced to Daventry listeners on Tuesday, April 5, at 7:15 a.m. EST, and repeated on Wednesday, April 6, at 10:50 p.m. EST. This new program will be sort of a British "March of Time," with dramatic reconstructions, and people "in the news" as frequent contributors.

Experimental Zeesen, Germany, Transmitter DJO (11.795), is now on the air daily from 7:50 to 10:45 p.m. EST, with an antenna beamed on South America.

On alternate Friday nights, the next being this week, at 11 p.m. EST, the General Electric Company, broadcasts messages from home to the Waldeck Expedition in interior British Guiana, in search of the now almost mythical Paul Redfern. Death and sickness has reduced this expedition to only two people, Theodore Waldeck, and his wife, who despite almost unbelievable hardships are carrying on alone. When last heard from, the Waldecks were in contact with a tribe of native Indians who claim they can direct them to Paul Redfern's plane and to the lost man himself.

According to an announcement from that station, the call of the Pitcairn Island broadcaster on 14.346 megs, has been changed to VR6AY. Up to the time of going to press, however, no programs have been heard from the island, the one scheduled for March 15, apparently having been cancelled due to some technicality which has not yet been ironed out.



Listeners to the Daventry stations recently heard Nicholas Medvedeff's Balalaika Orchestra in a program from Broadcasting House, London

Monday, April 4

4:30 a.m.—Program from Fiji: VPD2
5:30 a.m.—Program from Hong Kong: ZBW3
6:30 a.m.—Siamese broadcast: HS8P3 (19.02)
9:50 a.m.—Amateur Racquets Singles Championships: GSF, GSG
11:30 a.m.—Vatican City broadcast: HVJ
1 p.m.—John Reynolds' orchestra: GSC, GSD
14:50 p.m.—Science news: WIXAL (6.04)
15 p.m.—American news: WZXAF (9.53) W2XAD (15.33)
16 p.m.—Similar news: WIXAL (11.79)
6:30 p.m.—English program from Martinique: Radio Martinique (9.085)
6:45 p.m.—Marvels of Engineering: DJB, DJD
7 p.m.—"Henry Irving, Man and Actor": GSP
14:45 p.m.—North American program from Czechoslovakia: OLR4A or OLR4B
8 p.m.—Conjunto Neapolitano, 1936, Typical Orchestra: COGF
10:30 p.m.—News summary: GSC, GSD
10:50 p.m.—Herbert Dowson, organ: GSC, GSD

Tuesday, April 5

7:15 a.m.—"Empire Gazette," review of events overseas: GSF, GSG, GSD
9:20 a.m.—Milan Symphony orchestra: PHI
11:20 a.m.—Music of the Karens: GSF, GSG
2:30 p.m.—Science Forum: W2XAD (15.33)
4:20 p.m.—America Speaks: GSD, GSF, GSO
5:30 p.m.—Our Folk Heritage: DJB, DJD
6 p.m.—Science in the news: W2XAD (15.33) W2XAF (9.53)
6:30 p.m.—Opera, "The Flying Dutchman": DJB
11:30 p.m.—Broadcast from Chile: CH1170
7:20 p.m.—Gang Smasher: GSC, GSD, GSP
11:30 p.m.—Program from Belize, British Honduras: ZIK2
14:45 p.m.—Argentine music: COGF
9:15 p.m.—Germany's future path: DJB, DJD
11:30 p.m.—Salute to Latin America: W3XAL (6.06)

Wednesday, April 6

7:55 a.m.—"Monkey Wrenches in the Trade Winds," Sir Josiah Stamp: GSF, GSG, GSD
11:40 a.m.—"World Affairs," M. Wickham Steed: GSF, GSG
2:15 p.m.—Maria de Pietro's Estudiantina: GSG, GSP
5:15 p.m.—Poets of the Third Reich: DJB, DJD
7 p.m.—North American program from Holland: PCJ (9.59)
7:30 p.m.—International orchestra: LRX
8 p.m.—Fan mail: DJB, DJD
8:30 p.m.—Light music: ZR03 IRF
8:45 p.m.—For the Short-Wave Listener: WIXAL (6.04)
9:30 p.m.—North American program from Guatemala City: TGWA (9.865)
10 p.m.—Music and Stories of Latin-America: W3XAL (6.1)
10:50 p.m.—Empire Gazette: GSC, GSD

Thursday, April 7

7:30 a.m.—At the Black Dog: GSF, GSG, GSD
5:30 p.m.—Fan mail: DJB, DJD
6:20 p.m.—Medvedeff's Balalaika Orchestra: GSC, GSD, GSP
7 p.m.—Orchestra Musette: LRX
7:30 p.m.—Science Forum: W2XAF (9.53)
7:45 p.m.—Selections from operas: ZR03 IRF
8 p.m.—Sea Chanties: GSC, GSD, GSP
8:30 p.m.—Waltz hour: YVSRC
8:45 p.m.—Great German Pioneers in Tropical Medicine: DJB, DJD
9:15 p.m.—The German mind and the world: DJB, DJD
9:20 p.m.—Food for Thought: GSC, GSD
9:30 p.m.—Play, "Friendship in Port Said": DJB, DJD
9:40 p.m.—BBC Empire orchestra: GSC, GSD
10 p.m.—DX Chatter Box: W2XWJ (41)

Friday, April 8

7:30 a.m.—Billy Gerhardt's band: GSF, GSG, GSD
10 a.m.—World Snooker Championship Final: GSF, GSG
4 p.m.—English news review: LSY (18.115) LRX
7 p.m.—Portuguese news: W2XE (11.83)
7:30 p.m.—Concert of the Berlin Philharmonic Orchestra: DJB, DJD
8:30 p.m.—Schmidt's at Home: DJB, DJD
9:30 p.m.—Special variety evening: DJB, DJD
10 p.m.—"Canada, 1938": CFCX (6.005)
11 p.m.—Messages from Home to Waldeck Expedition: W2XAF (9.53)
12:15 a.m.—DX Club: WBNK (6.14)

Saturday, April 9

9:55 a.m.—Football: England vs. Scotland: GSF, GSG
2:30 p.m.—In Town Tonight: GSF, GSG
3 p.m.—Musical hall: GSG, GSP
4 p.m.—Calling all stamp collectors: W2XAF (9.53) W2XAD (15.33)
5:30 p.m.—Fan mail: DJB, DJD
6 p.m.—Jubilee Ball of the German Short Wave Station: DJB, DJD
7:30 p.m.—Stars of the German Opera: DJB, DJD
7:45 p.m.—Chamber music: ZR03 IRF
8:30 p.m.—Announcer's Parade: DJB, DJD
9:30 p.m.—"American Portraits": W2XAF (9.53)
10 p.m.—Opera: OANX4
11 p.m.—Northern Messenger: Messages to those in the Arctic: VEPIN

Log of Short-Wave Stations Whose Programs Are Listed				
(Megacycles or thousands of megacycles shown)				
CB1170 Chile	11.83	LRX Argentina	9.00	
CIBO Canada	6.16	LSX " "	10.35	
CB2X Cuba	11.77	OLRIB Czechoslovakia	" "	
CCCD "	5.13	OLRIB Czechoslovakia	" "	
COCH "	9.43	OLRIB Czechoslovakia	" "	
COCA "	6.00	OLRIB Czechoslovakia	" "	
COCL "	8.18	OLRIB Czechoslovakia	" "	
COCE "	11.80	OLRIB Czechoslovakia	" "	
CBW Portugal	9.56	OZP Denmark	9.50	
DIN Germany	15.20	PCJ Holland 3.38	15.20	
DUC "	6.02	PHI " "	15.75	
DSD "	11.77	PRADO Ecuador	6.50	
DLI "	15.31	PRTS Brazil	6.00	
EASB2 Ecuador	10.27	RAN U.S.S.R.	9.00	
EAS Spain	3.49	REI " "	7.50	
EASAK Spain Majorca	14.86	RNL " "	12.00	
YDCAA Tahiti	7.37	RVIS " "	4.97	
USA England	8.06	SPD Poland	11.50	
OSB "	9.31	SPW " "	12.50	
OSC "	8.38	TIZI Iceland	12.25	
OSD "	11.76	TIKEME Costa Rica	" "	
GAF "	13.14	RINA " "	9.00	
GSO "	11.78	TPAF France	15.75	
GKN "	21.47	TPAF " "	21.50	
GSI "	11.26	TPAF " "	11.25	
GSI "	21.55	VISOME Canada	6.00	
GSL "	6.77	VISOME Australia	9.25	
GSG "	15.18	VISOME " "	9.25	
GSP "	18.31	VIR " "	9.25	
HATE Hungary	9.12	VPDE Finland	9.25	
HBJ Switzerland	14.93	YFZD 80 W. Africa	6.00	
HBL "	9.34	YUDE India	8.25	
HBO "	21.62	WIXAL Bremen, West Germany	" "	
HEP "	7.30	19.25, 11.79 and 9.04	" "	
HCHRL Ecuador	6.06	XEUX Mexico, D.F. 4.12	" "	
HJIAEP Colombia	9.18	XERA Mexico	6.75	
HJPAI Panama	11.7	YSD El Salvador	7.25	
HJPSJ Spain	8.81	YVKE Venezuela	3.50	
HJPSJ Spain	10.02	ZHWI China	9.00	
IRF Italy	8.87	ZIER Britain	" "	
JDT Kwantung	9.93	Honduras	10.00	
JVI Japan	8.53	TRH S. Africa	8.00	
JVN "	10.64	TRK " "	9.00	
JZJ "	11.80	IMRE S. S. Awates E. Africa	8.00	
JZK "	10.16	QME S. W. Kamtumba E. Africa	6.00	
LRU Argentina	10.25	PROJ Italy	9.00	

On Short Waves

Edited by Chas. A. Morrison

Presented by International DXers Alliance

Times indicated on this page are for Eastern Standard Time.
For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours.

SEVERAL programs of feature interest will be radiated from Daventry, England, this week. On Monday, April 11, at 3 p.m. EST, Anna Neagle, the famous film star, will be heard in a scene from her forthcoming film, "Sixty Years a Queen," before the film itself goes into production. Scenes from "Victoria the Great" and other Anna Neagle successes will be heard in the broadcast. . . . On the same day at 5 p.m. EST, a broadcasting version of the current popular Walt Disney film, "Snow White and the Seven Dwarfs," starring Wynne Ajello, an artist whose broadcasts in opera, concerts, and revues now number several hundred, as Snow White, will be transmitted. . . . On Wednesday, April 13, at 10:50 p.m. and again on Saturday, April 16, at 5:30 p.m. EST, the first of a new series entitled, "Detectives in Fiction," will feature Sherlock Holmes, and, of course, the devoted Dr. Watson, in a version of Sir Arthur Conan Doyle's story, "Silver Blaze."

News Broadcasts

Daily—12:35 a.m., JJA; 2:50, GSB; GSF; GSD;
GSO; 7:45, JJJ; 8:30, GSG; GSF; GSD; GSD;
GSO; 8:55, JJJ; 11, GSD; GSF; GSO; GSD;
12:20 p.m., GSB; GSD; GMS; 2:40, JBB; JJJ;
3:10, TPA4; 4:15, GSB; GSO; GSF; GSO; 4:30,
OLB3A; 4:45, LRAH; 6:05, JJJ; JBB; A; JJJ;
LRAH; 7:50, RAN; RKL; 7:15, JWW; 7:30;
EAJ43; EAR; 7:35, JBB; 7:40, GSB; GSC;
GSD; GSF; 8:15, EAJ43; JBB; JJD; 10:30;
GSB; GSC; GSD; GSF; JBB; JJD; 10:45, CEBD;
CJMK; 11:30, TPA4.

Daily Except Sundays—8:20 a.m., VKEB; B

Mon., Tues., Thurs., Fri.—9:45 p.m., OLB4A or
OLB4B

Sunday, April 10

7 a.m.—Program from Durban, Kwazulu-Natal, JDY
8 a.m.—Variety program from Germany DJI
8 a.m.—International church CICUQ
8 a.m.—Giversax hour (south Seas) JZJ
12-15 p.m.—Adult hour GSB GEP
2 p.m.—Spanish program OAF
3 p.m.—English news from France TPA
(11:55) (15:13)
4 p.m.—Test broadcasts Irvin-St. Kilda VP2LC
(6:55)
4:55 p.m.—Greetings to listeners DAB DJD
5:15 p.m. (ex. Sat. Sun.)—News in Portuguese
for Europe WENAL (17:15)

Robert Walsh, a native son of Erin, operator aboard the S. S. San Bruno, writes that Ireland is soon to inaugurate a 2,000-watt short-wave station at Moymore, to operate on various wave-lengths from 12 to 50 meters.

Short-wave radio has assumed such importance both technically and as the voice of American culture and ideals beyond our borders that Lenox R. Lohr, president of the National Broadcasting Company, has assigned his assistant, Vice-President Frank E. Mason, to superintend all NBC activities in this field. Mr. Mason will have complete direction of NBC's increasingly numerous broadcasts of news, entertainment and other programs transmitted to Europe and South America and the short-wave operations of the company.

Lin Groves of Somerville, Mass., reports reception of the new Malayan Station ZHP (9.53), at Singapore in the Straits Settlement, between 5:50 and 6:30 a.m. EST.



Left: Listeners recently heard The Rt Hon. Neville Chamberlain, M.P., Prime Minister of Great Britain in a broadcast from Daventry. Right: Gunnar Paulsen, popular Icelandic tenor, often heard over Station TF.



Monday, April 11

- 5:30 a.m.—Program from Fins VFD?

6:45 a.m.—Program from Honey Knot: JEW

8:30 a.m.—Bamboo Breakers: H-1052

10:30 a.m.—Unions City broadcasts: HVJ

3 p.m.—"Star Gazing," Radiotherapy of Anna Neagle: GSF-GSP

4:45 a.m.—Sports news: WENAL (604)

5 a.m.—Walt Disney's "Snow White and the Seven Dwarfs": GSD (GSD GSP)

16 a.m.—The Miami news: the news: WENAL (1179)

4:45 a.m. (ex-Sat.)—News in Spanish to South America: WENAL (1187)

118 p.m.—North American program from Castle shayard: GJ1435 or GJ1440

*8 a.m.—Corporation Negotiations 1926: Typical Orchestra: F108

8:30 p.m.—Natal 10:2001: JRF

9:15 p.m.—Cordova (Ind. Ind.): JIB (DJD)

9:30 p.m.—Special Broadcast for the Mississippi Valley: JIB (DJD)

9:45 p.m.—News continues: GSD (GSP)

Tuesday, April 12

6:15 a.m.—Sherlock Holmes and the Adventure of the Silver Blaze: GSF GSD GSP

7:30 a.m.—First-Hand Accounts by Prisoners of War: J. R. Ackley: GSF GSD GSP

10:15 a.m.—Illustrated Geography party: GSF GSG

3:20 p.m.—America Speaks: GSG GSD

6:15 p.m.—Play: "Life on the German North Sea Islands": DJB (DJH)

117 p.m.—Broadcast from Chile: CR1170

117:30 p.m.—Program from Belair: British Isles: ZHKZ

4:45 p.m.—Argentine music: Cecilia and Cecilia, guitar solo: CRGF

10:15 p.m.—Bolivian artists playing Bolivian music: DJB (DJD)

11 p.m.—Program from Tahiti: FGSA

11:30 p.m.—Music in Latin America: WENAL (606)

Wednesday, April 13

- 9 a.m.—Progress at the Empire Exhibition at Glasgow. GSF GSG GSJ
 10:15 a.m.—Entertainment feature, "Take Your Chance"; GSF GSIS GSJ
 11:40 a.m.—"World Affairs," Sir Malcolm Roberston; GSF GSIS
 2 p.m.—Lyric Drama, "Faust"; GSF GSP
 6 p.m.—Syrian music. DSD DSJ
 6:40 p.m.—Geraldo's Orchestra, GSF GSJ
 7 p.m.—North American program from Holland.
 PCJ (959)
 7:30 p.m.—International Orchestra, LBN
 8:20 p.m.—The Continentals, VASBF
 9:30 p.m.—North American program from Great Falls City; TGWA (9505)
 10 a.m.—A visit to Munich. DSD DAD

Thursday, April 14

- 9:20 a.m.—Nursing radio show PIB
 11:20 a.m.—Matinee of *Mousetat* GSB; GSF
 2:45 p.m.—Travel to the British Empire GSC
 GHP
 6:15 a.m.—Popular music hour DJB DHD
 7 p.m.—Broadcast from Yugoslavia: YVA 16.11
 DIP 111-885; DDC 10.291
 7:15 p.m.—"Noye's Fludde," miracle play of the
 Debut of Noah, and his wife and sons
 GSB GSD
 7:30 p.m.—"Cavett" hour DJB DHD
 8:30 p.m.—Waltz hour YVSHC
 9:40 p.m.—BBC London orchestra—GSB GSI
 10:30 p.m.—NY Christmas Eve WXYZ 1-441

Friday, April 15

- 9:35 a.m.—"Good Friday" talk: PSH
 12:30 p.m.—Address by the Archbishop of Can-
 terbury: GNG GSJ
 2 p.m.—"The Dream of Gerontius" (Elgar):
 BBC Choral Society and BBC Symphony Or-
 chestra: GSG GSP
 5:30 p.m.—Quiet evening entertainment: Itali-
 an DJD
 6 p.m.—Special Orchestral Concert: DJB DJJ
 7:30 p.m.—Listener's Mail Box: WIXAL (604)
 7:45 p.m.—State of Italy's stage and radio:
 2102 HIF
 8 p.m.—The Ensemble String Quartet: GSP GSJ
 9 p.m.—Program for Latin America: WIXAL
 (1179)
 10 p.m.—"Canada, 1938": AFCX (6005)
 10:45 p.m.—Technical tips for the amateur: DJB
 IMD
 12:15 a.m.—Dixie Club: WEXX (E140)

Saturday, April 16

- 8:45 a.m.—Pomona opera concert PHH
 1:30 p.m.—La Town Tonight GSD GSP
 2 p.m.—Palace of Varieties GSA GSP
 4 p.m.—Collect all Stamps Collectors W2XAF
 (953) W2XAF (15-333)
 5 p.m.—Suzie glow "Happiness without Prayer"
 DJB DHD
 7 p.m.—Get around DJB DJD
 7:30 p.m.—Prod. Lou Petruccio radio DJB 1111
 7:45 a.m.—Chester music 2W03 13H
 8 p.m.—Cocktail musical program W3NAL (61)
 8:30 p.m.—Talk "Germany As We See It"
 DJB DHD
 9:30 p.m.—American Portraits W2XAF (953)
 10 p.m.—Opera 4AX4
 11 p.m.—Northern Messenger, messages to those
 in the service VPIDX

**Log of Short-Wave Stations
Whose Programs Are Listed**
(Megacycles or thousands of kilocycles shown)

CBS170, Chile	31.48	LXK Argentina	9.68
CJRO, Canada	8.19	LXK Argentina	10.38
CUBA, Cuba	11.72	OLRSA, Czechoslovakia	9.38
COCB, " "	8.18	"	11.74
COCG, " "	8.42	OLRAS, " "	11.74
COCQ, " "	8.05	OLRAS, " "	11.78
COCQ, " "	8.78	OLRAS, " "	11.80
COCQ, " "	11.30	OLRAS, " "	11.88
COPW, Portugal	9.34	OZP, Denmark	9.52
DJB, Germany	15.26	PCH, Holland	9.39
DJO, " "	6.08	PHI, " "	17.77
DJD, " "	11.77	PRADO, Ecuador	8.81
DJT, " "	15.13	PTB, Brazil	3.40
EAT43, Canarias	10.37	RAN, U.S.S.R.	9.80
EAR, Spain	9.48	RRI, " "	7.84
EASAH, Spainish Morocco	14.08	RNE, " "	12.05
FOBAA, Tahiti	7.12	RVSE, " "	6.00
GSA, England	6.59	SPD, Poland	11.61
GSA, " "	9.11	SPW, " "	13.61
GSC, " "	8.58	TFA, Iceland	12.93
GSD, " "	11.72	TINERL, Costa Rica	9.59
GSE, " "	12.14	VNE, " "	8.27
GSG, " "	17.72	TPA3, France	11.21
GSL, " "	8.47	TPA3, " "	11.88
GSL, " "	16.88	TPA3, " "	11.21
GSL, " "	8.28	VESEN, Canada	8.00
GSL, " "	8.11	VICME, Australia	9.58
GSL, " "	16.18	VICME, " "	9.51
GSP, " "	15.21	VLR, " "	9.58
HATA, Hungary	9.12	VPDZ, Fijis	9.54
HBL, Switzerland	14.10	VPDZ, St. Kitts	9.38
HBL, " "	9.34	VPDZ, India	9.59
HBO, " "	11.48	WIXAL, Boston, Mass.	9.88
HBP, " "	7.80	18.28, 11.79 and 8.04	
HCB2L, Ecuador	6.66	XEUZ, Mexico, D.F.	8.18
HJ2ABJ, Colombia	9.512	XEUZ, Mexico, D.F.	8.17
HPSA, Panama	11.7	YSD, El Salvador	7.03
HPSA, " "	8.60	YVRC, Venezuela	9.50
HRAPI, Siam	9.31	ZRW3, China	9.25
IRI, Italy	8.83	ZIKS, British Honduras	10.8
IDY, Eswatini	9.32	ZIKS, " "	10.8
JVI, Japan	9.12	ZRHZ, S. Africa	9.22
JVI, " "	16.68	ZRN, " "	8.81
JZL, " "	11.30	ZMBJ, S.E. Asia	8.84
JZB, " "	16.18	ZM1, S.E. Asia	8.91
LBU, Argentina	14.29	ZK01, Italy	8.68

Short-wave programs of American stations are shown along with the regular listings beginning on page 57. These are indicated, for example, by (new 11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12.35 a.m., JZJ, 2.50, GSB, GSF, GSG, G-G, 7.45, JDI, 2.30, GSD, GSF, GSG, GSD, G-G, 8.55, JZJ, 11, GSD, GSF, GSG, GSG, 2RD4, 12.20 p.m., GSH, GSD, GSG; 7.40, 2RD3, 3.10, TPA3; 4.15, GSB, GSD, GSF, G-G, 4.30, OLR4A or OLR4B; 4.45, RA9AH; 6.05, JZJ, HPSA, 7, EASAH, HPSA, RAN, RRI, 7.15, CSW; 7.30, EAH, 7.35, 2RD3, 7.40, GSB, GSG, GSD, GSP, 8.15, DJB, DJH, 9.12, EASAH, 10.30, GSB, GSG, GSD, G-G, DJB, DJH, 10.45, CSD, CJRN; 11.30, TPA3.

Daily Except Sundays—8.20 a.m., VK3LR

Mon., Tues., Thurs., Fri.—9.45 p.m., OLR4A or OLR4B.

Sunday, April 17

5 a.m.—Liverpool Cathedral services: GSF, GSG, G-G, 7.45, JDI, 2.30, GSD, GSF, GSG, GSD, G-G, 8.55, JZJ, 11, GSD, GSF, GSG, GSG, 2RD4, 12.20 p.m., GSH, GSD, GSG; 7.40, 2RD3, 3.10, TPA3; 4.15, GSB, GSD, GSF, G-G, 4.30, OLR4A or OLR4B; 4.45, RA9AH; 6.05, JZJ, HPSA, 7, EASAH, HPSA, RAN, RRI, 7.15, CSW; 7.30, EAH, 7.35, 2RD3, 7.40, GSB, GSG, GSD, GSP, 8.15, DJB, DJH, 9.12, EASAH, 10.30, GSB, GSG, GSD, G-G, DJB, DJH, 10.45, CSD, CJRN; 11.30, TPA3.

Overseas hour (about 2 a.m.), 17.8

9.50 a.m.—"Jubilate Deo," by Aix-la-Chapelle Choir: PHII.

10 a.m.—Play, "The Garden of the Tomb": GSF, GSG, GSG.

10.45 a.m.—Easter Sunrise Service in Honolulu: KKP (16.03)

11:15 a.m.—Ringing of bells of basilicas and boy's choir from Rome: IRY (16.12)

11:30 a.m.—Recital of Easter Music from Lithuania: Radio-Kaunas Orchestra and Cathedral Choir: GSF, GSG.

12 p.m.—Danish program: OZF

1:30 p.m.—English news from France: TPA3 (11.885) (15.13)

3:05 p.m.—Potpourri of Light Music from Vienna: GSF, GSG.

4:40 p.m.—Test broadcasts from St. Kitts: VPZLD (16.35)

4:45 p.m.—Greetings to listeners: DJB, DJD

4:515 a.m. (ex. Sat. & Sun.)—News in Portuguese for Europe: W3XAL (17.78)

5 p.m.—Easter Chimes: DJB, DJD

5:45 p.m.—Overseas program (Eastern South America): JZJ

6:45 p.m.—Polish program for North America: SPW (13.635) SPD (11.535)

9:55 p.m.—"La Voz de Las Provincias": COCH

10 p.m.—Cadena Cruesca: network program: COCH

6:45 p.m.—Berlin Soloist Club: DJB, DJD

7 p.m.—Brazil on the Air: PSH (10.22)

7:45 p.m.—Soviet program: RAN, RRI

7:30 p.m.—Loyalist news from Madrid: EAR (9.488)

7:30 p.m.—News summary from Italy: 2RD3 IRF

7:40 p.m.—News from London: GSF, GSG

8 p.m.—Easter Carols and Hymns: GSF, GSG

8:30 p.m.—Easter cake: DJB, DJD

8:30 p.m. (ex. Sat. & Sun.)—Portuguese news for Brazil: W3XAL (17.78)

8:30 p.m.—Spanish news bulletin from Daventry

8:45 p.m.—Portuguese news bulletins from Daventry: GSB

9 p.m.—Nationalist program for North America: Salamanca (10.37)

(Continued on Last Column)

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

Times indicated on this page are for Eastern Standard Time.
For CST subtract 1 hour; for MST, 2 hours; for PST, 3 hours

EASTER Sunday will be replete with many colorful international programs, among which the most outstanding will be: From Daventry: the impressive Church of England Easter Service from Liverpool Cathedral at 5 a.m. EST; a play, "The Garden of the Tomb," at 10 a.m. EST, and a special recital of Easter music from Lithuania, including the Radio-Kaunas Orchestra, and the famous Kaunas Cathedral Choir, at 11.30 a.m. EST; over PHI (17.77), Huizen, Holland, the Basilica Choir at 7:50 a.m. and a rendition of "Jubilate Deo," sung by the Aix-la-Chapelle Choir, at 9:50 a.m. EST; from Zeesen, Germany, Easter chimes at 6 p.m. and the Berlin Soloist Club, at 6:45 p.m. EST, an Easter Sunrise Service in Honolulu, to be heard over KKP (16.03) and the NBC-Red network at 10:45 a.m. EST; a special program from Rome, featuring the ringing of basilicas and a boy's choir will be heard over IRY (16.12), and the NBC-Red network, at 11:15 a.m. EST.

Transmissions from Daventry, England, that are definitely beamed on the United States, are as follows: 1:45 to 4 p.m., over GSP (15.31); 4:15 to 6 p.m., over GSD (11.75); 6:20 to 8:30 p.m., over GSP, GSD and GSC (9.58), and from 9:20 to 11:20 a.m. EST, over GSC.

Transmissions from Prague, Czechoslovakia, that are definitely beamed on the United States take place on Mondays, Tuesday, Thursdays and Fridays, from 8 to 10:40 p.m. EST, over any one of the following optional frequencies: OLR4A (11.84), OLR4B (11.76), OLR5A (15.23), or OLR5B (15.32). These broadcasts open with the selection, "New World Symphony," and cathedral chimes. The interval signal is a nine-note trumpet call.

If their application to the FCC for a license is granted, the Anchorage Radio Club of Anchorage, Alaska, will inaugurate a 175-watt short-wave transmitter, which will radiate regular programs on frequencies of 3.492 and 6.425 megs.

OPL (20.04), of Leopoldville, Belgian Congo, phones Brussels, Belgium, near 2:15 p.m. EST . . . Roy DeMent of Plainview, Texas, reports hearing ZBW3, Hong Kong, testing near 7 p.m. EST, on a new frequency of 9.59 megs, and requesting reports of reception.

R. B. Oxrieder of State College, Penn., reports a new Dominican Station H15P (6.565), "Ecos del Isobel de Torres" in Puerto Plata, is being heard in the evenings . . . "La Voz de Lara," Barquisimeto, Venezuela, using a call believed to be YV3RB, is being heard on a new channel of 9.578 megs. This station usually broadcasts on a frequency of 5.9 megs, with the call YV3RA . . . HJ2ABJ of Santa Marta, Colombia, is being heard on 4.26 megs at present; YV2RA, San Cristobal, Venezuela, on 5.745, and HI7P, Trujillo City, D. R., on 6.763 megs. CSW, Lisbon, Portugal, has also been logged on a new frequency of 9.74 megs, but whether this change is to be permanent, or not, is unknown at the moment . . . A new San Jose, Costa Rica, station, whose call is still unidentified, is broadcasting near 7.445 megs, and signs off with Ted Lewis' "Good Night Melody."

The English news from Germany, daily at 10:30 p.m. EST, is now being broadcast over DJB (15.2) and DJO (11.75), while DJD (11.77), transmits the news in Spanish.

William G. H. Finch of New York City has been granted a license by the FCC to construct a new experimental broadcasting station with a power of 1,000 watts, to operate on 31.6, 35.6, 38.6, or 41 megs . . . The American Telephone and Telegraph Company of Lawrenceville, N. J., has just placed a new 20,000-watt transmitter in operation on a frequency of 7.977 megs. This commercial telephone station will communicate primarily with London, Paris, Rome and Berlin . . . Sometime next year, the Italian Colonial Broadcasting Service will open a new 1,000-watt short-wave broadcasting station at Addis-Abeba, Ethiopia.

OPL (20.04), of Leopoldville, Belgian Congo, phones Brussels, Belgium, near 2:15 p.m. EST . . . Roy DeMent of Plainview, Texas, reports hearing ZBW3, Hong Kong, testing near 7 p.m. EST, on a new frequency of 9.59 megs, and requesting reports of reception.



Anna Neagle, star of "Victoria the Great," and Herbert Wilcox, who directed the film, before the BBC television camera at Alexander Palace, London. Listeners recently heard Miss Neagle in a broadcast from Daventry

9:30 p.m.—Chinese program from India: VUD2

10:30 p.m.—English news from Germany: DJB DJO (11.75)

11 p.m.—Latin dance orchestra: COCH

11:45 p.m. (ex. Sat.)—Program from South Africa: ZMK, ZHU

1 a.m.—English DX period: XE12

Key to Symbols Used: *Daily; tWeek Days;
tMonday, Wednesday, Friday; tMonday, Thursday;
tTuesday, Thursday, Saturday;

Monday, April 18

4:30 a.m.—Program from Fiji: VPZD

5:20 a.m.—Program from Hong Kong: YB9Y3

5:30 a.m.—Morning broadcast: 1NSP1 (19.02)

6:10 a.m.—Vancouver City broadcast: HXJ

3:40 p.m.—Drama, "The Gang Smasher": GSP

4:50 p.m.—Science news: WIXAL (11.75)

5:15 p.m.—Red Marine Open Fresh Hill Club for Motorcycles: GSD GSF GSD

6 p.m.—Morning news: WIXAL (11.75)

6:45 p.m.—News in Spanish for South America: W2NE (11.870)

7:30 p.m.—Course in Modern Radio: WIXAL (6.04)

8:00 p.m.—North American program Irvin Cervantes: OLR4A or OLR4B

8:30 p.m.—Cinematograph: Venezuela, 1938, Typical Orchestra: COCH

8:45 p.m.—Easter Peace Message: OLR4A or OLR4B

9:15 p.m.—German Study Club: DJB DJD

10:30 p.m.—The Sentimental Country: GSD GSC

Tuesday, April 19

9 a.m.—West Country program: GSF GSG GSJ

10 a.m.—Film news: PHI

2:10 p.m.—Ladies' Individual Darts Championship: GSF GSJ

3:20 p.m.—"America Speaks": "American Labor," William Green, speaking direct from the U. S.: GSF GNG

5 p.m.—The history of the potato: DJB DJJ

6 p.m.—Science in the arms: W2XAD (15.33) W2XAF (9.53)

9:45 a.m.—Broadcast from Chile: CH1170

9:45:30 p.m.—Program from Berlin, British Honduras: ZIK2

9:45 p.m.—Gavilan and Catamaran, guitar duet: COCH

9:45 p.m.—Selections from the operettas, "Boccaccio": DJB DJD

11 p.m.—Program from Tahiti: FUSAA

Wednesday, April 20

7:35 a.m.—Annals on Board Ships: GSF GSG GSJ

11:40 a.m.—"World Affairs," J. L. Brereton: GSF

1:20 p.m.—"Hall Variety": GSF GSD

2 p.m.—BBC Symphony Orchestra: GSG GSP

5 p.m.—"The Happy Family Have Visitors from Overseas": DJB DJD

7 p.m.—North American program from Holland: PHI (9.59)

7:30 p.m.—The Fisher's Birthday: DJB DJD

7:45 p.m.—Light music: 2RD3 IRF

8 p.m.—Fan mail: DJB DJD

8:30 p.m.—The Continentals: YVSBC

9:30 p.m.—North American program from Guatemala City: TGWA (9.655)

Thursday, April 21

9:20 a.m.—PHOHB Cellar Serendipity: PHI

10 a.m.—Walt Disney's "Snow White and the Seven Dwarfs": GSF GSG GSJ

2:30 p.m.—Birmingham Philharmonic String Orchestra: GSP GSG

5 p.m.—Chinese pianist, Chin Shin Yen: DJB

7 p.m.—Viennese Sextet: GSF GSD

7:30 p.m.—Music and songs from opera and operetta: DJB DJD

8 p.m.—"Name's Birthday": 2RD3 IRF

8:30 p.m.—Waltz hour: YVSBC

9:40 p.m.—BBC Empire Orchestra: GSD GSC

10:45 p.m.—DX Chat Box: W3XWJ (41)

Friday, April 22

9:05 a.m.—Review: PHI

10:15 a.m.—Play, "The Boomerang Beam": GSF

4 p.m.—English news review: ESY (18.115) LEX

6 p.m.—Radio merriment round: DJB DJD

7:45 p.m.—Stars of Italian stage and radio: 2RD3 IRF

8 p.m.—Woman's Page program: W3XAL (6.1)

8:30 p.m.—"The School at Home": 1911 DJD

9 p.m.—Program for Latin America: W3XAL (11.79)

9:30 p.m.—32 minutes of radio cabaret: DJB DJD

10 p.m.—"Canada, 1938": EFX (4.605)

12:15 a.m.—DX Club: WSNK (6.14)

Saturday, April 23

9:40 a.m.—Dinner music: PHI

11:25 a.m.—Billy Cotton's band: GSF GSG GSJ

1:30 p.m.—In Town Tonight: GSF GSG

2 p.m.—Music Hall: GSF GSG

5:15 p.m.—Building Berlin's Newest Underground Railway: DJB DJD

6:15 p.m.—Non-stop variety show: DJB DJD

7:30 p.m.—Troisi Quartet: DJB DJD

7:45 p.m.—Chamber music: 2RD3 IRF

8 p.m.—Cocktail musical program: W3XAL (6.1)

9:45 p.m.—Dance music: YVSBC

10:55 p.m.—Recital of Hebrew songs: GSD GSC

11 p.m.—Northern Messenger: messages to those in the Arctic: VESON

**Log of Short-Wave Stations
Whose Programs Are Listed**

(Megacycles or thousands of kilocycles shown)			
CBI 170, Chile	11.88	LRX, Argentina	8.00
CJMO, Canada	6.15	LEX, Argentina	10.25
CJRK, Cuba	11.72	OLRZA, Czechoslovakia	9.55
COCD, " "	6.15	"	9.55
COCH, " "	9.42	OLRHA, " "	11.84
COCO, " "	6.01	OLRHB, " "	11.76
COCG, " "	9.75	OLRSA, " "	15.23
COOF, " "	11.805	OLRSE, " "	15.32
CSW, Portugal	9.95	OSF, Denmark	9.55
DJB, Germany	11.30	PGL, Holland	9.19
DJC, " "	6.02	PHL, " "	17.72
DJD, " "	11.77	PRADO, Ecuador	8.02
DJL, " "	16.12	PIFLS, Brazil	9.00
EAJAS, Canarias	10.37	RAN, U.S.S.R.	9.00
EAR, Spain	9.49	RME, " "	7.54
EASAE, Spanish Morocco	14.08	RNE, " "	12.08
FOOMA, Tahiti	7.77	RVB, " "	4.27
GSA, England	6.05	RVS, " "	6.00
GSE, " "	9.51	SPD, Poland	11.93
GSC, " "	9.55	SPW, " "	12.04
GSD, " "	11.75	TFL, Ireland	11.83
GSE, " "	19.14	TINRHE, Costa Rica	9.65
GSG, " "	17.78	TPA2, France	15.24
GSH, " "	21.47	TPA3, " "	11.89
GSI, " "	18.26	TPA4, " "	11.71
GJL, " "	21.58	VESDN, Canada	6.005
GSL, " "	6.11	VK3ME, Australia	9.35
GSO, " "	10.18	VK3ME, " "	9.35
GSP, " "	18.31	VLE, " "	9.55
HAT, Hungary	9.12	VPDE, Fiji	9.55
HBJ, Switzerland	14.85	VPZO, St. Kitts	8.38
HBL, " "	9.34	VURH, India	9.39
HBO, " "	11.462	WIXAL, Boston, Mass.	9.55
HNP, " "	7.80	15.25, 11.79 and 6.04	
HCAEL, Ecuador	8.68	XEUZ, Mexico, D.F.	6.18
HJABP, Colombia	9.418	XEXA, " "	8.17
HPSA, Panama	11.7	YSD, El Salvador	7.89
HPSJ, " "	9.60	YVSR, Venezuela	8.80
HPSJ, Siam	9.51	ZBW3, China	9.55
HYT, Italy	9.83	ZKX2, British Honduras	10.6
JDY, Kwangtung	9.25	ZKX2, S. Africa	10.22
JVI, Japan	9.328	ZKX2, S. Africa	10.22
JVN, " "	10.04	ZRK, " "	9.81
JZJ, " "	11.80	ZMEZ, R.R. Awara	8.84
JZK, " "	10.16	ZRTI, S.S. Xanumbia	6.91
LRU, Argentina	15.29	ZZG3, Italy	9.03

Short-wave programs of American stations are shown along with the regular listings beginning on page 27. These are indicated, for example, by (ex-SAT) in parentheses following a program listing. This means that an 11.87 megacycle the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced

News Broadcasts

Daily—1:35 a.m.: JZJ; 3:50, GSB, GSD, GSF, GSO; 8:45, JDY; 9:30, GSF, GSD, GSI, GSO; 9:55, JZJ; 12 noon, GSO, GSF, GSD, GSI; 1:20 p.m., GSB, GSD, GSF, GSO; 3:10, TPA2, 3-40, 2803, 5-15, GSB, GSD, GSF, GSO; 5:30, OLRS3A; 5:45, EAPAH; 7, HPSA; 7:05, JZJ; 8, EAPAH, HPSJ, RAN, RRI; 8:30, EAH; 8:35, ZB03, IRF; 8:40, GSB, GSD, GSF; 9:15, DJB, DJD; 10, FAJAS; 10:45, CJHO, CJRX, 11, TPA4; 11:30, DJB, DJD, GSB, GSD, GSI.
Daily Except Sunday—9:20 a.m., VK3ER
Mon., Tues., Thurs., Fri.—10:45 p.m., OLRS4, OLRS4B, OLRS4A or OLRS4B.

Sunday, April 24

8 a.m.—Program from Daries, Kwangtung; JDY
9 a.m.—Variety Program from Germany; DJB
9 a.m.—International Church: COCQ
9 a.m.—Overseas hour (South Seas): JZJ
9:50 a.m.—Phab Symphony Orchestra: PHB
1:35 p.m.—Endless Central Band: GSF GSD
2:45 p.m.—League of Nations program: HJB IRF (6.675)
3 p.m.—Danish program: OZF
3:05 p.m.—Opera, "The Wicked World": GSF GSP
3:10 p.m.—English news from France: TPA3 and (15.13)
4:5 p.m.—Test broadcasts from St. Kitts: VPZLO (6.38)
5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese for Europe: W3XAL (17.78)
5:55 p.m.—Greetings to listeners: DJB DJD
6 p.m.—Cuban negro music: COCO
6:15 p.m.—Piano quintet: DJB DJD
6:30 p.m.—Billie's Happy Boys orchestra: YVSR
7 p.m.—Overseas program (Eastern North America): JZJ
7 p.m.—Polish program for North America: SPW (13.635) SIP (11.535)
7 p.m.—"La Voz de Los Proletarios": COCH
7 p.m.—Cadena Crusadas network program: COCO
8 p.m.—Brazil on the Air: PSB (10.22)
8 p.m.—Soviet program: RAN RRI
8:30 p.m.—Loyalist news from Madrid: EAR (9.488)
8:30 p.m.—English news from Italy: ZB03 IRF
8:40 p.m.—News from London: GSF GSD
9 p.m.—La Orquesta Cugat: YVSR
9:15 p.m.—English news from Germany: DJB
9:30 p.m.—Spanish news bulletins from Daventry: GSB
9:45 p.m.—Portuguese news bulletins from Daventry: GSB
10 p.m.—Nationalist program for North American listeners (10.37)
10:30 p.m.—Oriental program from India: VUD2
11 p.m.—English news from France: (11.72) (11.203)
11:30 p.m.—English news from Germany: DJB DJO (11.795)
12:45 a.m. (ex. Sat.)—Program from South Africa: ZRK ZRH
1:30 a.m.—Overseas hour for Pacific Coast: JZJ
2 a.m.—English DX period: XETZ.

Key to Symbols Used: *Daily; †Week Days;
‡Monday, Wednesday, Friday; §Monday, Thursday;
||Monday, Tuesday, Thursday, Friday;
**Tuesday, Thursday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

LISTENERS to the NBC-Blue network will hear two important short-wave pick-ups from London this week, namely, the speech of Anthony Eden, former British foreign secretary, at the banquet of the Society of St. George, on Tuesday, April 26, at 3:35 p.m. EDT, and the address of United States Ambassador to Great Britain, Joseph P. Kennedy, when he responds to the toast, "Anglo-American Trade," at the seventy-eighth annual dinner of the Association of British Chambers of Commerce in London, on Thursday, April 28, at 5 p.m. EDT.

English newscasts from Japan are radiated daily over JZJ (11.8) of Tokyo, as follows: to the Pacific Coast of North America at 1:35 a.m. EDT; to the eastern parts of North America at 8:05 a.m. and at 7:05 p.m., and to Australasia at 9:55 a.m. EDT.

The new 25,000-watt French colonial short-wave transmitter at Es-sarts-le-Roi, near Paris, France, which radiated initial tests last November, adopted an official schedule on April 1. This new station, which, with the Pontoise transmitters, is now using the call "Paris Mundial," in place of the former "Radio Coloniale," broadcasts daily as follows: 2 to 5 a.m. EDT to eastern Mediterranean and north Africa, on 9.57 mcs, in conjunction with TPA3 (11.885), which at the same time is directed to Africa, the Near East, and Australasia; 9:30 to 11 a.m. EDT to Indo-China, on 17.78 mcs, in conjunction with TPA2 (15.243), which commences this transmission at 6 a.m. EDT, 11:15 a.m. to 6 p.m. EDT to the eastern Mediterranean and north Africa, on 9.57 mcs, just below COCM, since April 1. CS2WA (9.65), Lisbon, Portugal, is now broadcasting Tuesdays, Thursdays and Saturdays, from 4 to 7 p.m. EDT. RKI, "Radio Center, Moscow," moved to its summer frequency of 15.08 mcs, on April 1, where it is being heard nightly in parallel with RAN (9.6), from 8 to 10:15 p.m. EDT. According to the Universal DX Club, VE9HX (6.13), Halifax, Nova Scotia, may be heard reading short-wave mail on Sundays, at 5:30, and 10:30 p.m. EDT. JZJ (11.8), Tokyo, Japan, is being received with tremendous volume in the eastern part of the United States, on the early transmission from 8 to 8:30 a.m. EDT, during which period there is no interference from COGF, Havana, Cuba, which broadcasts on almost exactly the same channel.

of its beam for this period to western Central America. This latter transmission period is being received in the United States with excellent signal strength. The news in English is read at 11 p.m. EDT.

Herbert Friedman of Montreal, Canada, writes that the complete list of official calls and frequencies that have been assigned the new station, are as follows: TPB1 (21.49), TPB2 (17.78), TPB3 (17.765), TPB4 (15.295), TPR5 (15.24), TPB6 (15.13), TPB7 (11.885), TPB8 (11.845), TPB9 (11.72), TPB10 (9.585), TPB11 (9.57), TPB12 (9.55), TPB13 (9.52), TPB14 (6.145), TPB15 (6.09), and TPB16 (6.04).

A little later, perhaps by the beginning of next year, world transmissions will begin over the new 100,000-watt short-wave transmitters of the French short-wave center.

ELM in Liberia, is reported to be broadcasting daily at 1 and 5 p.m. EDT, on a frequency of approximately 5 mcs.

SHORT-WAVE SHORTS: XEWW, Mexico City, is being heard irregularly in the evenings on a frequency of 15.16 mcs. EAR, the Loyalist station at Madrid, has been broadcasting on a revised frequency of 9.86 mcs, just below COCM, since April 1. CS2WA (9.65), Lisbon, Portugal, is now broadcasting Tuesdays, Thursdays and Saturdays, from 4 to 7 p.m. EDT. RKI, "Radio Center, Moscow," moved to its summer frequency of 15.08 mcs, on April 1, where it is being heard nightly in parallel with RAN (9.6), from 8 to 10:15 p.m. EDT. According to the Universal DX Club, VE9HX (6.13), Halifax, Nova Scotia, may be heard reading short-wave mail on Sundays, at 5:30, and 10:30 p.m. EDT. JZJ (11.8), Tokyo, Japan, is being received with tremendous volume in the eastern part of the United States, on the early transmission from 8 to 8:30 a.m. EDT, during which period there is no interference from COGF, Havana, Cuba, which broadcasts on almost exactly the same channel.



Daventry listeners will hear Leonard Hirsch, leader of the BBC Empire Orchestra, play in Empire programs as a soloist for the first time Wednesday

Monday, April 25

6:25 a.m.—Anzac Day Commemoration Service: GSF GSG GSJ
6:30 a.m.—Program from Fiji: VFD2
8:30 a.m.—Program from Hong Kong: ZBW3
8:30 a.m.—Siamese broadcast: HSHPJ (19.07)
11:30 a.m.—Valparaiso City broadcast: RYJ
3:15 p.m.—Hoffman Jubilee Concert: BBC Orchestra; Sir Adrian Boult, conductor: GSF GSG
4:20 p.m.—A contest: Sweet versus Swing: GSF
5:30 p.m.—Severe news and U.S. Service: WIXAL (11.79)
6:45 p.m. (ex. Sat.)—News in Spanish for South America: W2XE (11.87)
7:30 p.m.—The Monitor Views the News: WIXAL (11.79)
7:30 p.m.—English program from Martinique Radio Martinique (9.685)
7:45 p.m.—North American broadcast from Prague, Czechoslovakia: OLRS4 or OLISA
4:30 p.m.—"Conjunto Neogelande 1938" (Typical Orchestra): COGF
10:15 p.m.—German Study Club: DJB DJD
11:30 p.m.—Commemoration by Air: GSI GSD GSC

Tuesday, April 26

7:15 a.m.—Famous London Buildings: GSF GSG
10 a.m.—Carlton Hotel Orchestra: GSF GSG GSJ
2:10 p.m.—"Typical Gazette": GSF GSG
6 p.m.—Dance band: GSO GSF GSD
7:45 p.m.—Broadcast from Chile: CH1170
8:30 p.m.—Program from Belize, British Honduras: ZIK2
8:45 p.m.—Tuesday Symphonies: ZRD3 IRF
9:15 p.m.—Gavilan & Cataneo, guitar duo: COGF
9:15 p.m.—Talk, "The Schoolmaster in Olden Times": ZB03 IRF
9:45 p.m.—Dr. Klaus Ungerwater, talk: DJB DJD
10:15 p.m.—"The Messiah," by Handel: DJB DJD
11:15 p.m.—Folk-songs: DJB DJD
12 mid.—Program from Tahiti: FOBAA

Wednesday, April 27

8 a.m.—Program from M/V Kamisato: 9MI
10:10 a.m.—"The Two Thousand Guinea Race": GSF GSG GSJ
10:20 a.m.—J. Gouhout, pianist: PHJ
12:20 p.m.—Henry Hall's orchestra: GSF GSG
12:40 p.m.—"World Affairs," H. V. Nelson: GSF
6 p.m.—German movie hour: DJB DJD
7:20 p.m.—Empire exchange talks: GSF GSD
8 p.m.—North American program from Holland: PCJ (19.59)
8:30 p.m.—Latin American night: W3XAL (6.1)
8:30 p.m.—International orchestra: LRX
9:45 p.m.—Andres Segovia, guitar: DJB DJD
10:30 p.m.—North American program from Guatemala City: TGWA (9.655)

Thursday, April 28

10 a.m.—H. M. Royal Air Force band: GSF GSG
11:30 a.m.—Eddie Carroll's music: GSF GSG GSJ
3 p.m.—"The Making of the Exhibition": GSF GSP
3:40 p.m.—Benny Frankel's orchestra: GSF GSP
4:25 p.m.—Travel in the British Empire: GSO
7:15 p.m.—Military concert: DJB DJD
8 p.m.—Orchestra Musette: LRX
9:35 p.m.—Talk, "The Italian Center for American Studies": ZRD3 IRF
9:30 p.m.—Talk, "Biology as the Basis of Reasoning": DJB DJD
10:15 p.m.—Cabaret: DJB DJD
10:45 p.m.—DX Clutter Box: WEXWJ (41)

7 p.m.—Portuguese news by Pinto Tomaz: W2XE (11.83)
7:20 p.m.—Old German dances: GSF GSD
8:30 p.m.—Listener's Mail Bag: WIXAL (6.04)
8:45 p.m.—Special program for Chicago Short-Wave Club: ZRD3 IRF
9 p.m.—Cuban orchestra: YVSR
10 p.m.—"Canada, 1938": FPCX (6.005)
10:30 p.m.—Well-known operatic soloists: DJB
11:05 p.m.—"The Road to Wensley": GSI GSD GSC
12 mid.—Program from Tahiti: FOBAA
12:15 a.m.—DX Club: WBNK (6.14)

Saturday, April 30

8:10 a.m.—Cricket: Australians vs. Worcestershire: GSF GSG GSJ
9:45 a.m.—The Cup Final: Commentary on the Association Football Match: GSF GSG GSJ
9:55 a.m.—Episodes from Life of Princess Julianne: PHJ
12:25 p.m.—Italy Fox Band: GSF GSG GSJ
2:30 p.m.—In Town Tonight: GSF GSG
3 p.m.—Palace of Varieties: GSF GSG
4 p.m.—Calling all stamp collectors: W2XAF (9.53) W2XAD (15.33)
6 p.m.—Tourist hour: H15A
7 p.m.—Non-stop variety show: DJB DJD
8:30 p.m.—Variety hour: DJB DJD
9:30 p.m.—Gay report: DJB DJD
10:15 p.m.—Club of Notions: DJB DJD
10:45 p.m.—Dance music: YV50U
11 p.m.—Opera: OANAI
11:55 p.m.—Peter York's orchestra: GSI GSD
12 mid.—Northern Messenger: messages to those in the Arctic: VENON

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CN1170, Chile	11.68	LRX, Argentina	10.38
CNR, Canada	6.12	OLR3A, Czechoslovakia	9.85
CJRX, Cuba	11.72	slovakia	11.84
COCD, " "	6.13	OLR4A, " "	11.76
COCH, " "	6.43	OLR4B, " "	11.76
COGO, " "	6.61	OLR5A, " "	15.23
COGQ, " "	9.72	OLR5B, " "	15.23
COOF, " "	11.56	OAF, Denmark	9.52
CSW, Portugal	9.74	POL, Holland	10.58
DJB, Germany	15.20	PHL, " "	17.71
DJC, " "	6.02	PRADO, Ecuador	6.62
DJD, " "	11.71	PRF, Brazil	9.80
DJL, " "	11.11	RAN, U.S.S.R.	9.40
EAJ43, Canarias	10.37	RXL, " "	15.08
EAQ, Spain	9.35	RNE, " "	12.50
EAR, " "	9.48	RV15, " "	4.27
EASAH, Spanish Morocco	14.05	SFD, Poland	11.58
FO1AA, Tahiti	7.11	SPW, " "	12.24
USA, England	6.01	TFJ, Iceland	12.83
GSR, " "	9.51	T14NRH, Costa Rica	11.38
GSC, " "	9.58	RIO, " "	5.08
GSD, " "	11.75	TPAZ, France	15.21
GSE, " "	11.14	TPAS, " "	11.28
GSG, " "	11.79	TPAS, " "	11.21
GSM, " "	21.67	TPBT, " "	11.85
GSL, " "	15.26	VEODN, Canada	9.05
GSS, " "	21.55	VEZDN, Australia	9.59
GSL, " "	6.11	VFRME, " "	9.51
GSO, " "	15.18	VLR, " "	9.38
GSP, " "	15.31	VPDQ, Fiji	9.44
HAT, Hungary	9.12	VP2LO, St. Kitts	8.38
HRI, Switzerland	14.33	VUDL, India	9.59
HBL, " "	9.34	W1XAL, Boston, Mass.	6.12
HBO, " "	11.402	W1ZC, 11.79 and 6.44	6.44
HBP, " "	7.80	KEUZ, Mexico, D.F.	6.12
HCR, ECUADOR	6.65	XEKA, " "	5.12
HJ1ABP, Colombia	9.01	YSD, El Salvador	7.82
HP5A, Panama	11.7	YV5RC, Venezuela	8.80
HP5J, " "	9.68	ZB2WS, China	9.62
HS6PJ, Siam	9.51	ZIIR, British	10.6
IRF, Italy	9.83	Honduras	10.6
JDY, Kwantung	9.025	ZEMH, S. Africa	9.52
JVN, Japan	10.45	ZEMH, S. Africa	9.61
JZK, " "	11.50	ZMBJ, S.S. Awates	8.84
JZK, " "	9.16	ZMI, S.A. Esanibla	6.01
LRL, Argentina	15.29	ZROS, Italy	9.62
LRX, " "	9.65		

Short-wave programs of American stations are shown along with the regular listings beginning on page 29. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m.: JZJ; 2:50, GSB, GSD, GSF, GSG, GSO; 8:45, JDY; 9:30, GSF, GSG, GSH, GSI, GSO; 9:55, JZJ; 12 noon, GSD, GSF, GSG, GSH, GSO; 1:20 p.m., GSB, GSD, GSO; 3:10, TPA3; 3:40, ZR03; 5:15, GSB, GSD, GSF, GSO; 5:30, OLR3A; 5:45, EA9AH; 7, HP5A; 7:05, JZJ; 8, EA9AH, HP5J, RAN, RKL; 8:35, ZR03, LRF; 8:40, GSB, GSF, GSD, GSP, EAR; 9, EAJ43; 9:15, DJB, DJD; 10:45, CJRH, CJRX; 11, TPA4; 11:30, DJB, DJD, GSB, GSC, GSD, GSI.
Daily Except Sundays—9:20 a.m., VK3LR.
Mon., Tues., Thurs., Fri.—9:45 p.m., OLR4A or OLR4H.

Sunday, May 8

+8 a.m.—Overseas hour (Eastern U.S.A.); JZJ
+8 a.m.—Program from Dorien, Kwantung; JDY
+9 a.m.—Variety program from Germany; DJL
+9 a.m.—International church; COCQ
+9 a.m.—Overseas hour for South Seas; JZJ
2 p.m.—Eugene Plini's orchestra; GSF GSD
2:40 p.m.—Iceland hour; TEJ
3:10 p.m.—English news from France; TPA3
4 p.m.—Chapel organ; W2XAF (9.53) W2XAD (15.33)
+5 p.m.—Test broadcasts from St. Kitts; VP2LO (6.38)
+5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese for Europe; W3XAL (17.78)
+5:55 p.m.—Greetings to listeners; DJB DJD
6 p.m.—Fairy play, "The Race to the Well"; DJB
+7 p.m.—Overseas program (Eastern North America); JZJ
+7 p.m.—Polish program for North America; SPW (13.635) and GSD (11.535)
+7 p.m.—"La Vida de las Provincias"; COCH
+7 p.m.—Cadena Cruselus network program; COCO
+7:45 p.m.—News in Spanish for South America; W2XE (11.87)
+8 p.m.—"Brazil on the Air"; PSH (10.22)
+8 p.m.—Soviet program; RAN RKL
8:15 p.m.—Program from Spanish Morocco; EA9AH
+8:30 p.m.—English news from Italy; ZR03 IRF
+8:40 p.m.—Loyalist news from Madrid; EAR (9.488) EAQ
9:15 p.m.—English news from Germany; DJB
+9:30 p.m.—North American broadcast from France; Radio Mondial (11.885)
+9:30 p.m.—Spanish news bulletin from Daventry; GSB
+9:45 p.m.—Portuguese news bulletin from Daventry; GSB
10 p.m.—Program dedicated to Catholic Church; T14NRH
+10:30 p.m.—Oriental program from India; VUD2
+11 p.m.—English news from France; TPA4 Radio Mundial (11.88)
+11:30 p.m.—English news from Germany; DJB DMO (11.795)
+12:45 a.m. (ex. Sat.)—Program from South Africa; ZRK ZRH
+1:30 a.m.—Overseas hour (Pacific Coast); JZJ
+2 a.m.—English DX period; XEUX

Key to Symbols Used: *Daily; †Week Days;
†Monday, Wednesday, Friday; §Monday, Thursday;
||Monday, Tuesday, Thursday, Friday;
††Tuesday, Thursday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times Indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

TWO new 25,000-watt transmitters, which will carry American radio programs to penetrate every country of Europe and all parts of South and Central America, have been installed and will go into operation in the immediate future at the NBC Short-Wave Station W3XAL, Bound Brook, N.J. The new transmitters will operate through four directive-beam systems and two non-directive antennae, occupying twenty-four acres.

The international service of NBC, the result of more than a decade of intensive experimentation in short-wave transmission, is given in six languages over sixteen hours a day.

Some of Britain's most famous dance bands, including the orchestras of Ambrose, Henry Hall, Jack Hylton and Roy Fox, have been engaged to play for a week each in the Concert Hall of the Empire Exhibition at Glasgow, Scotland. On Tuesday, May 10, at 4 p.m. EDT, Daventry listeners will hear Ambrose and his band inaugurate this series.

SHORT-WAVE SHORTS: A consulting radio commission has been established in Cuba which will set up regulations for improving short-wave broadcasts and eliminating interference. The nightly broadcasts from 12:45 to 1:45 a.m. EDT over ZRH, of Roberts Heights, South Africa, which were well heard in the United States when they were transmitted on a frequency of 9.523 megs, are now being radiated on 6.007 megs. PJCL of Curacao, N.W.I., is now broadcasting on a new frequency of 9.091 megs, and requests reports from all listeners. JZK (15.16), Nazaki, Japan, is testing near 1 a.m. EDT, preparatory to putting this summer (frequency into general use). VK2ME (9.59) of Sydney, Australia, is now broadcasting as follows: On Sundays, from 2 to 4 a.m. EDT, 6 to 10 a.m. EDT and 11:30 a.m. to 1:30 p.m. EDT. Dewitt R. Goddard of the RCA receiving station at Riverhead, N.Y., in writing to Clyde Criswell of Mission Ranch, Ariz., states that ultra-high frequency reception from Europe has been totally absent

for some time. France on 42 megs, and Germany on 42.5 megs, were last heard on February 19, while the last high-frequency signals from London were recorded on March 21. The short-wave station on the Channel Islands, which a private concern attempted to set up and operate without a license from the British Postal officials has been silenced, following the confiscation of parts of the equipment by the authorities. RNE, Radio Center, Moscow, U.S.S.R., has shifted back to its former frequency of 12 megs, where it is being heard almost nightly from 11:15 p.m. to 12 mid. EDT. The owners of YSD (7.894), San Salvador, El Salvador, are now issuing attractive yellow, blue and white QSL cards to all listeners who correctly report transmissions of this station. Earl Roberts of Indianapolis, Ind., writes that the following French commercial transmitters are being used for two-way telephone traffic with Morocco, Saigon and South America: FTM (10.355), FTK (15.88), FTA (14.612) and FTH (10.94). Reports can be sent to Radio France, 79 Boulevard Haussmann, Paris, France. The "JZ" stations of Tokyo, Japan, are now making their usual form "thank you" letters in answer to listeners' reports of much greater value by stamping in the words, "reception verified" on them.

A new 400-watt short-wave transmitter is being installed at Kuala Trengganu in Malaya. The French Radio-Orient Company has decided to erect a powerful station at Beyrouth. Broadcasts in French and Arabic will be featured.

The "Esso Hour" is the only program of its kind broadcast from Cuba. Heard over COCH (9.43) on Fridays at 9 p.m. EDT, it includes one or two guest stars from radio or theater, a popular Cuban comedian, an Argentine tango band, an instrumental quartet a la Benny Goodman, a typical male trio, a regular dance band of thirteen pieces with Cuban and American vocalists and a commercial announcer who also acts as master of ceremonies.



Listeners to Short-Wave Stations OLR5A or OLR5B often hear Pelar's Moravian Band on programs originating from Prague, Czechoslovakia

Monday, May 9

+6:30 a.m.—Program from Fiji; VPD
8:9 a.m.—Program from Hong Kong; ZBW3
8:9 a.m.—Siamese broadcast; HS8PJ (19.02)
11:30 a.m.—Vatican City broadcast; HVJ
3:40 p.m.—Serial, "The Game Smasher"; GSG
4 p.m.—"Around the Dials"; WIXX (9.57)
4:35 p.m.—Fred Hartley's sextet; GSO GSF GSD
7:55 p.m.—American news tower; W2XAF (9.53)
W2XAD (15.33)
9:50 p.m.—Science news; WIXAL (11.79)
11:30 p.m.—The Monitor views the news; WIXAL (11.79)
+11:30 p.m.—North American broadcast from Prague, Czechoslovakia; OLBSA or OLR5B
8:30 p.m.—German movie hour; DJB DJD
+9 p.m.—"Conjunto Neoglobo 1938" typical orchestra; COGF
9:15 p.m.—Prof. Hercules Takes a Trip; ZR03 IRF
10 p.m.—Program of the Pan-American Union; YVSRC
10:15 p.m.—German Study Club; DJB DJD
10:30 p.m.—Special broadcast dedicated to Ohio; DJB DJD
11:50 p.m.—Mystery play, "The Survivor"; GSI

Tuesday, May 10

7:15 a.m.—Detectives in Fiction; GSF GSG GSI
9 a.m.—"Through the Camp Sewer," Ernest Pearce; GSF GSG GSI
11 a.m.—"What is Success?"; GSG GSF
4 p.m.—Ambrose's orchestra from the Empire Exhibition, Glasgow; GSG GSP
4:20 p.m.—Talk: "America Speaks"; GSO GSF
6 p.m.—Science in the News; W2XAF (9.53)
W2XAD (15.33)
7 p.m.—Variety hour; DJB DJD
8:45 p.m.—Tuesday symphonies; ZR03 IRF
+9 p.m.—Argentine music; COGF
+11:30 p.m.—Program from Belize, British Honduras; ZK2
10 p.m.—Program dedicated to the International Short-Wave Club; T14NRH
+11 p.m.—Guatemalan National network hour; TGWA (9.685) TGQA (6.4) TG2 (6.21)
12 mid.—Program from Tahiti; FO8AA

Wednesday, May 11

8:10 a.m.—Cricket; Middlesex vs. Gloucester and Lancashire vs. Derbyshire; GSF GSG GSJ
12:40 p.m.—"World Affairs," H. V. Hodson; GSF GSG
3 p.m.—Opera, "The Flying Dutchman," Wagner; GSF GSG
8 p.m.—North American program from Holland; PCA (9.59)
8:10 p.m.—J. Dykes-Bower, organ; GSF GSD
8:30 p.m.—Adventures of a German aviatrix; DJB DJD
8:45 p.m.—"Cooking," Rosita Jenetta Wade; ZR03 IRF
9:15 p.m.—Light music; ZR03 IRF
10:15 p.m.—Kaleidoscope of operas; DJB DJD
10:30 p.m.—North American program from Guatemala City; TGWA (9.685)
10:45 p.m.—DX Chatter Box; W8XWJ (41)

Thursday, May 12

8:10 a.m.—Cricket; Middlesex vs. Gloucester and Lancashire vs. Derbyshire; GSF GSG GSJ
5 p.m.—Mid-week service; GSO GSF GSD
7:30 p.m.—Science forum; W2XAF (9.53)
7:45 p.m.—Round About Germany; DJB DJD
8 p.m.—Orchestra Music; LRX
8:30 p.m.—Folk songs and dances; DJB DJD
9 p.m.—Dance band; GSF GSD
9:45 p.m.—Talk, "Ancient European Cultural Achievements"; DJB DJD
10 p.m.—Program dedicated to Short-Wave League; T14NRH
10:45 p.m.—DX Chatter Box; W8XWJ (41)

Friday, May 13

8:10 a.m.—Cricket; Middlesex vs. Gloucester and Lancashire vs. Derbyshire; GSF GSG GSJ
4:35 p.m.—Beatty Franklin's orchestra; GSF GSG
5 p.m.—English news review; LSY (18.115) LRX
6 p.m.—Visit to German furniture factories; DJB DJD
7:45 p.m.—British light music; GSF GSD
8 p.m.—Germans abroad in art and science; DJB DJD
9 p.m.—Esso Hour; COCH (9.43)
9:45 p.m.—"Education in Germany"; DJB DJD
10 p.m.—Program dedicated to New Zealand Short-Wave Club; T14NRH
10 a.m.—"Canada, 1938"; CPCX (6.005)
10:30 p.m.—Parade of the hobby-horses; DJB
11:50 p.m.—Sweet vs. Swing; GSI GSD
12 mid.—Program from Tahiti; FO8AA
12:15 a.m.—DX Club; W8XWJ (6.14)

Saturday, May 14
8:15 a.m.—Cricket; M. C. C. vs. Australians; GSF GSG GSJ
10:40 a.m.—World Cruise; GSF GSG GSJ
3 p.m.—Palace of Varieties; GSF GSG
5:40 p.m.—Recital of English songs; GSO GSF
7 p.m.—Non-stop variety show; DJB DJD
8 p.m.—North American program from Yugoslavia; YUA (6.1) DZC (10.29) DJP (11.855)
8:30 p.m.—Fiesta Bilmur; LRX
9 p.m.—The Hour of Costa Rica; TIPG (6.41)
9:45 p.m.—Window Decoration; DJB DJD
10:30 p.m.—We strike up the band; DJB DJD
11 p.m.—Opera: OA4XJ
12 mid.—Northern Messenger; messages to those in the Arctic; VE9DNX

**Log of Short-Wave Stations
Whose Programs Are Listed**

(Megacycles or thousands of kilocycles shown)	
CB110, Chile	11.65
CIR, Canada	6.18
CRX, Cuba	11.72
COA, " "	6.15
COCH, " "	8.42
COCO, " "	6.01
COG, " "	9.725
COOF, " "	11.892
CSP, Portugal	9.74
DJB, Germany	15.20
DJC, " "	6.02
DJB, " "	11.77
DJL, " "	15.11
EAJC, Canaries	10.37
EAQ, Spain	9.858
EAR, " "	9.49
EAZAH, Spanish Morocco	14.66
FOBAA, Tahiti	7.11
GSA, England	8.06
GSD, " "	8.51
GSC, " "	9.38
GSD, " "	11.75
GSP, " "	15.14
GSO, " "	17.79
GSM, " "	9.47
GSL, " "	15.26
GSS, " "	8.28
GSL, " "	8.11
GSO, " "	15.18
GSO, " "	15.31
HAT, Hungary	8.12
HBS, Switzerland	14.512
HBO, " "	8.34
HBO, " "	11.403
HCPAL, Ecuador	6.69
HUJABP, Colombia	9.618
HUPA, Panama	11.7
HUPA, Venezuela	8.60
HWSPI, Hainan S.A.	10.92
IRE, Italy	8.82
JDD, Kwantung	8.912
JVN, Japan	10.63
JZJ, " "	11.30
JZR, " "	16.10
LRU, Argentina	15.29

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. Those are indicated, for example, by (11.37) in parentheses following a program listing. This means that on 11.37 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m., JZJ; 2:50, GSB, GND, GSF, GSG, GSO; 8:45, IDY; 9:30, GSF, GSG, GSH, GSI; 9:55, JZJ; 12 noon, GSB, GSF, GSG, GSI; 1:20 p.m., GNB, GSD, GSG; 3-10, TPAI; 3-4, ZRQ; 5-15, GNB, GSP, GSF, GSO; 5:30, OLBSA; 5:45, EAH; 7, HPSA; 7:05, JZJ; 8, EA9AH; 10:50, RAN, RKI; 8:35, JRO; 11:15, LIF; 8:45, GSB, GSC, GSD, GSP, EAR; 9, EA4J; 9:15, DJB, DJD; 10:45, CJRO, CJRN; 11, TPAI; 11-32, DJB, DJD, GSB, GSD, GSI, GSI. Daily Except Sundays—9:20 a.m., VESI; Mon., Tues., Thurs., Fri.—9:45 p.m., GNSA or OLBSA.

Sunday, May 15

*8 a.m.—Overseas hour (Eastern U. S. A.); JZJ
*8 a.m.—Program from Dazien, Kwantung; IDY
*8:30 a.m.—Organ Concert; PHH
*9 a.m.—Variety program from Germany; INL
*9 a.m.—International church; COCQ
*9 a.m.—Overseas hour (South Seas); JZJ
*5 p.m.—Test broadcasts from St. Kitts; VP2LO (16.38)
*5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese; WEXAL (17.75)
*5:55 p.m.—Greetings to listeners; DJB, DJD
6 a.m.—Marimba concert dedicated to the U. S. A.; TGWA (15.17)
6:15 p.m.—"In My Mother's Garden"; DJB, DJD
6:30 p.m.—Billie's orchestra; VVSRC
*7 p.m.—Overseas program (Eastern North America); JZJ
*7 p.m.—Polish program for North America; SPW (11.635) and SPD (11.535)
*7 p.m.—"La Voz de Las Provincias"; COCH
*7 p.m.—Cetraa Brussels network program; COCO
*7:45 p.m.—News in Spanish; W2XF (11.83)
*8 p.m.—"Brazil on the Air"; PSH (10.22)
*8 p.m.—Soviet program; RAN, RKI
8:15 p.m.—Program from Spanish Morocco; EA9AH
8:30 p.m.—English news from Italy; ZRQ; IRF
8:40 p.m.—Loyalist news from Madrid; EAR (19.488) EAQ
*8:40 p.m.—News from Louhia; GSP, GSD
9 p.m.—Nationalized program for North America; Salamanca (10.37)
9:10 p.m.—Technical tips; DJB, DJD
*9:15 p.m.—English news; DJB, DJD
*9:30 p.m.—North American broadcast from France; Radio Mundial (11.885)
*9:30 p.m.—Spanish news; GSB
*9:45 p.m.—Portuguese news; GSB
10 p.m.—Program dedicated to the Universal DX Club; TI4NRII
*10:30 p.m.—Oriental program from India; VUD2
*11 p.m.—English news from France; TPAI Radio Mundial (11.885)
*11:30 p.m.—English news; DJB, DJD (11.795)
*12:45 a.m. (ex. Sat.)—Program from South Africa; ZRK
*1:30 a.m.—Overseas hour (Pacific Coast); JZJ or JZK
*2 a.m.—English DX period; XE1Z

Key to Symbols Used: *Daily; #Week Days;
\$Monday, Wednesday, Friday; EMonday, Thursday;
\$MMonday, Tuesday, Thursday, Friday;
\$TTuesday, Thursday, Saturday; \$MTuesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

THE value of radio to those living in isolated sections of the world was pointed out in a letter recently received by John Sheehan, General Electric short-wave program manager, from the Rev. E. J. Cunningham of Pilgrim Springs, Alaska. Rev. Cunningham stated, "Pilgrim Springs is 110 miles from Nome and no means of communication existed there prior to the establishment of a radio telephone.

"The only possible communication was by mail and that only once a month," he said. "To leave a community isolated like this, without doctors or dentists to help in time of sickness, epidemic or fire, was asking entirely too much of Providence, so I determined to do something about it. For the past two years my only means of asking for help and assistance in times of distress and emergency had been by signaling SOS to airplane pilots by means of a huge black flag, 20 by 12 feet, which could be raised to the top of a 70-foot flagpole in the rear of our Lady of Lourdes Mission,

"A number of short-wave telephones had been installed in Alaska and were proving successful. I decided to install one and wrote to the Federal Communications Commission, secured its permission, took my radio examination in January and am now in daily conversation with Nome, happy in the thought that my community is protected in the case of sickness or accident and that I can have a plane here in thirty minutes," he concluded.

SHORT-WAVE SHORTS: Reception reports to "Radio Martinique" (9.7) of Fort-de-France, Martinique, are now being rewarded with modernistic red, black, yellow and blue QSL cards. John Larsen of Geneva, N. Y., writes that the interval signal of HJ7ABB (4.82) of Bucaramanga, Colombia, is three cuckoo calls. HJ3ABX of Bogota, Colombia, has shifted in frequency to 5.99 megs. An unknown station on 6.755 megs, is relaying YV5RC (5.8), Caracas, Venezuela, irregularly in the evenings. According to Earl Roberts of Indianapolis, Ind., the private short-wave

station on the Channel Islands that attempted to operate without permission from the British General Postal Authorities, has been forced off the air following confiscation of the transmitter. Gail Beyer of Chicago, Ill., tells me that according to information just received from Franco's main station "Radio Nacional" at Salamanca, Spain, the following independent insurgent stations are operating regularly: FETI (7.00) of Valladolid; "Radio Espana" (7.203) of San Sebastian; FET5 (7.35) of Burgos; "Radio Espana" (7.246) of Bilbao; "Radio Nacional AZ" (6.75) and "Radio Espana" (7.05). No location was given for the last two mentioned. Of special interest to listeners in the Los Angeles area, is information that W6XRE (120), is relaying W6XKG (25.95) of that city, daily from noon to 4 a.m. EDT, and is very anxious to receive reception reports. Severe magnetic storms disrupted commercial short-wave circuits on April 16 and 17, while the aurora borealis was plainly visible to residents along the Atlantic coast as far south as New York. The director of Short-wave Station XEXA (6.132) of Mexico, D. F., Mexico, is sending questionnaires to many of that station's regular listeners, which when properly filled out and returned entitle that person to receive interesting and valuable publications of the Mexican Department of Press and Publicity.

Those interested in the Soviet version of the world's news in English can obtain excellent reception from Moscow, U. S. S. R., at present over RKI (15.08), from 8 to 10:15 p.m. EDT. Additional stations that relay RKI occasionally include RWG (8.183), RBO (8.31), RPK (7.42), RKA (6.96) and RYS (6.75). An excellent marimba concert is being radiated over TGWA (15.17) of Guatemala City, Guatemala, daily from 1:45 to 2:45 p.m. EDT. GSP (15.31) has replaced GSD (11.75), in the latter part of transmission IV, from Daventry, England, heard daily from 5:15 to 7 p.m. EDT. PMC (18.135) of Bandung, Java, may occasionally be heard phoning in straight speech near 9 a.m. EDT. The station usually uses scrambled speech.



BBC's mobile unit televising international hockey from the Oval, famous ground of the Surrey Cricket Club. Results were successful

Monday, May 16

16:30 a.m.—Program from Fiji; VPD2
8:15 a.m.—Cricket; M. C. C. vs. The Australians; GSF, GSG, GSJ
8:30 a.m.—Program from Hong Kong; ZBW3
9 a.m.—Morning broadcast; HS8PJ (19.02)
11:30 a.m.—Vatican City broadcast; HVJ
3:45 p.m.—Serial, "The Gang Smasher"; GSG
15 p.m.—American news; W2XAF (9.53) W2XAD (15.33)
5:50 p.m.—Science news; WIXAL (11.79)
6:30 p.m.—Work of the U. N.; DJB, DJD
6:45 p.m. (ex. Sat.)—News in Portuguese; W2XE (11.83)
6:45 p.m.—Sports review; W2XAF (9.53) W2XAD (15.33)
7 p.m.—Mosaic news; WIXAL (11.79)
8:30 p.m.—North American broadcast from Prague, Czechoslovakia; OL1CA or OL1CB
8:30 p.m.—Concert hour; IUB, DJD
9 p.m.—Compte Neapolitan 1935; typical orchestra; OGF
10 p.m.—Program dedicated to KDKA, THXIIH
10:30 p.m.—Military concert; DJB, DJD
11:50 p.m.—William Firth, cellist, and Mary Mann, pianist; GSI, GSJ

Tuesday, May 17

8 a.m.—Program from N.Y. Kamakura; YNI
8:15 a.m.—Cricket; M. C. C. vs. The Australians; GSF, GSG, GSJ
3:30 p.m.—Opera, "Fidele," from the Royal Opera House; GSF, GSG
7:30 p.m.—Dance music; DJB, DJD
8:45 p.m.—Tuesday symphonies; ZRQ; IRF
8:45 p.m.—Argentine music; Gavias and Cubanese, guitar duo; OGF
9:15 p.m.—Talk, "The Armament Exhibition at Florence"; ZRQ; IRF
9:45 p.m.—Program from Belize, British Honduras; ZIK2
10 p.m.—Popular classics; VVSRC
10:15 p.m.—Opera, "The Bird Dealer"; DJB
10:20 p.m.—My Best News Story; GSI, GSJ
11:30 p.m.—Guatemalan national network hour; TGWA (19.685) TGQA (16.4) D12 (6.21)
12 mid.—Program from Tahiti; FOBA

Wednesday, May 18

9 a.m.—BBC Midland Orchestra; GSF, GSG, GSJ
12:40 p.m.—"World Affairs," Sir Malcolm Robertson; GSF, GSG, GSJ
1:40 p.m.—BBC Military band; GSF, GSD
3 p.m.—Geraldo's concert orchestra; GSG, GSP
7:30 p.m.—English program from Martinique Radio Martinique (9.655)
8 p.m.—Budapest program; HAT4
8:30 p.m.—Hour of the young nation; IUB, DJD
9 p.m.—English song writers; GSF, GSD
9:15 p.m.—Famous voices of yesterday; ZRQ; IRF
10 p.m.—Program Dedicated to International DXers Alliance; TI4NRII
10:15 p.m.—Hearty and Humorous; DJB, DJD
10:30 p.m.—North American program from Guatemala City; TGWA (19.685)

Thursday, May 19

9:10 a.m.—Silly symphony orchestra; PHH
3 p.m.—"Is There Life on Other Planets?" Royal H. Spencer Jones, astronomer; GSF, GSG
3:15 p.m.—London Music Festival; BBC Symphony Orchestra, conducted by Arturo Toscanini; GSF, GSG
7 p.m.—Gay tunes; IUB, DJD
8 p.m.—Windsor Singers; GSF, GSD
9:30 p.m.—Waltz hour; VVSRC
10 p.m.—Program dedicated to the Radio Signal Survey League; TI4NRII
10:40 p.m.—Symphonic Poems; GSI, GSD
10:45 p.m.—DX Chatter Box; W8XWJ (41)

Friday, May 20

7:15 a.m.—Reg Purcell's orchestra; GSF, GSG
9:15 a.m.—Radio sketch; PHH
11:30 a.m.—Play, "Murder in the Silo"; GSF, GSG
2:05 p.m.—Entertainment feature, "Take Your Choice"; GSF, GSG
4 p.m.—What's ahead? W2XAF (9.53) W2XAD (15.33)
7 p.m.—Variety evening; DJB, DJD
8 p.m.—Variety hour; LEX
8:30 p.m.—Ghost stories; DJB, DJD
8:30 p.m.—Listener's Mail Bag; WIXAL (6.04)
9 p.m.—Esso hour; COCH (9.43)
9 p.m.—Piano duet; GSF, GSD
9:30 p.m.—"The Schubert at Home"; DJB, DJD
10 p.m.—"Canada, 1938"; CFCX (6.05)
10:30 p.m.—Army band concert; DJB, DJD
12 mid.—Program from Tahiti; FOBA
12:15 a.m.—DX Club; W8XK (6.16)

Saturday, May 21

8:40 a.m.—Swiss music; PHH
9:30 a.m.—Microphone delineates; PHH
10 a.m.—Radio Pie; GSF, GSG
2:30 p.m.—"In Town Tonight"; GSF, GSG
3 p.m.—Music Hall; GSF, GSG
6 p.m.—Tourist hour; HP5A
7 p.m.—Variety dance evening; DJB, DJD
8:30 p.m.—May I introduce "Strauss"?; DJB
9 p.m.—The Hour of Costa Rica; THXIIH (6.41)
9:45 p.m.—Talk, "The Prehistorical Heritage"; DJB, DJD
10:30 p.m.—Geraldo's concert orchestra; GSI
10:45 p.m.—Dance music; VVSRC
12 mid.—Northern Messenger; messages to those in the Arctic; VE8DN

Log of Short-Wave Stations
Whose Programs Are Listed
(Megacycles or thousands of kilocycles shown)

CJRO, Canada	6.15	LSX, Argentina	10.35
CJRX, Cuba	11.72	OLR3A, Czechoslovakia	9.55
COCH.	9.43	"	11.84
COCO.	6.01	OLR1A,	11.76
COOL.	9.725	OLR1B,	15.23
COGF.	11.805	OLR5A,	15.32
CSW, Portugal	9.74	OLR5B,	15.22
DJB, Germany	15.20	OZF, Denmark	9.52
DJC,	6.02	PCJ, Holland	9.59
DJD,	11.77	PHI,	17.775
DJL,	15.11	PRADO, Ecuador	6.62
EAJ43, Canarias	10.37	PRFS, Brazil	9.50
EAQ, Spain	9.355	RAN, U.S.S.R.	9.60
EAR,	9.49	REI,	15.08
EASA, Spanish Morocco	14.05	RNE,	12.00
FOBAA, Tahiti	7.11	RV15,	4.273
GSA, England	6.05	SPD, Poland	11.53
GSR,	9.51	SPW,	13.64
GSC,	9.58	TFJ, Iceland	12.23
GSD,	11.75	TI4NRH, Costa Rica	9.698
GSE,	15.14	TPE2, France	15.24
GSM,	17.79	TPA2, France	11.88
GSI,	21.47	TPA3,	11.71
GSS,	15.26	TPA4,	11.835
GSL,	21.58	TPBT,	6.11
GSL,	6.11	VE1DN, Canada	6.005
GSO,	15.13	VICEME, Australia	9.59
GSP,	15.31	VK3ME,	9.51
HAT4, Hungary	9.12	VLR,	9.56
HEJ, Switzerland	14.535	VPD2, Fiji	9.94
HEL,	9.34	VP2LO, St. Kitts	6.33
HQ,	11.402	VUD2, India	9.59
HPSM,	7.80	W1XAL, Boston, Mass.	
HQ RL, Ecuador	6.68	15.25, 11.79 and 6.04	
HU1AEP, Colombia	9.018	KEUZ, Mexico, D.F.	6.12
HUSA, Panama	11.7	KEXA,	6.172
HUSM,	9.60	YSD, El Salvador	7.094
HSSP1, Siam	9.51	YV5RC, Venezuela	5.80
IRF, Italy	9.33	ZBV3, China	9.525
IDY, Kwantung	9.925	ZIR2, British	
JVN, Japan	10.63	Zonduras	10.6
JZJ,	11.89	ZRK, S. Africa	9.61
JZL,	15.16	ZT1L, S.S. Kamumba	6.01
LRX, Argentina	9.66	ZT03, Italy	9.633

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m.: JZJ; 2:50, GSB, GSD, GSF, GSO; 8:45, JDY; 9:30, GSF, GSG, GSJ, GSI; 9:55, JZJ; 12 noon, GSD, GSF, GSG, GSH; 1:25 p.m., GSB, GSD, GSG; 3:10, TPA3; 5:15, GSB, GSF, GSO; 5:30, OLR3A; 5:45, EA9AH; 7, HPSA; 7:05, JZJ; 8, EA9AH, HPSA, RAN, RKI; 8:35, 2RO3, IRF; 8:40, GSO, GSC, GSD, GSP, EAR; 9, EAJ43; 9:15, DJB, DJD; 10:45, CJRO, CJRX; 11, TPA4; 11:30, DJB, DJD, GSB, GSC, GSD, GSI.
Daily Except Sundays—9:20 a.m., VK3LR.
Mon., Tues., Thurs., Fri.—9:45 p.m., OLR5A or OLR5B.

Sunday, May 22

4:45 a.m.—Overseas hour (Eastern U. S. A.): JZJ
4:45 a.m.—Program from Darien, Kwantung: JDY
8:50 a.m.—Concert by Phahi Symphony Orchestra: PHI
8:45 a.m.—Variety program from Germany: DJL
8:45 a.m.—International church: COCQ
8:45 a.m.—Overseas hour (South Seas): JZJ
2:45 p.m.—League of Nations program: HBJ HBQ (6.675)
3:10 p.m.—English news from France: TPA3
4:45 p.m.—Test broadcast from St. Kitts: VP2LO (6.38)
4:55 p.m. (ex. Sat. & Sun.)—News in Portuguese for Europe: W3XAL (17.78)
4:55 p.m.—Greetings to listeners: DJB DJD
4:55 p.m.—Marimba concert dedicated to the U. S. A.: TGWA (15.17)
4:57 p.m.—Overseas program (Eastern North America): JZJ
4:57 p.m.—Polish program for North America: SPW (13.635) and SPD (11.535)
4:57 p.m.—La Voz de Las Provincias: COCH
4:57 p.m.—Cadena Crusselas network program: COCO
4:57 p.m.—News in Spanish for South America: W2XE (11.83)
4:58 p.m.—Brazil on the Air: PSH (10.22)
4:58 p.m.—Soviet program: RAN RKI
4:58 p.m.—English news from Italy: 2RO3 IRF
4:58 p.m.—Loyalist news from Madrid: EAR (9.488) EAQ
4:58 p.m.—News from London: GSF GSD
4:59 p.m.—English news from Germany: DJB
4:59 p.m.—North American broadcast from France: Radio Mondial (11.885)
4:59 p.m.—Spanish news bulletin from Daventry: GSB
4:59 p.m.—Portuguese news bulletin from Daventry: GSB
10 p.m.—Program dedicated to the Quixote Radio Club: TI4NRH
10:20 p.m.—Frank Biffo's brass quintet: GSI GSD
10:30 p.m.—Oriental program from India: VUD2
10:50 p.m.—Episcopal services: GSI GSD
11 p.m.—English news from France: TPA4 Radio Mondial (11.885)
11:30 p.m.—English news from Germany: DJB DJD (11.795)
12:45 p.m. (ex. Sat.)—Program from South Africa: ZIK
4:2 a.m.—English DX period: XEUX

Key to Symbols Used: *Daily; #Week Days;
†Monday, Wednesday, Friday; \$Monday, Thursday;
‡Monday, Tuesday, Thursday, Friday;
||Tuesday, Thursday, Saturday; §§Tuesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

SEVERAL new short-wave stations to be officially inaugurated within the near future will add considerable variety to the already numerous programs from Europe. Claude Jones of Portsmouth, England, writes that 2RO8, one of the new Rome, Italy, transmitters, is conducting initial tests on 17.82, in conjunction with 2RO4 on 11.81 megs. He is also hearing a new Finnish station on approximately 9.5 megs . . . The new 5,000-watt National Short-Wave Station for Norway, which will replace the present low-power transmitter at Jeloy, near Oslo, will soon be broadcasting on any one of the following frequencies: 6.13, 9.53, 11.735, 15.17 and 17.755 megs . . . The highly publicized new 20,000-watt station nearing completion near Ankara, Turkey, to be officially inaugurated on July 22, will transmit on either 9.465 or 15.195 megs . . . According to reports, the new 10,000-watt short-wave transmitter under construction at Belgrade, Yugoslavia, will be completed before fall.

Raymond Messer of South Portland, Me., writes that he intercepted an announcement over 2RO3 (9.635) of Rome, Italy, to the effect that on May 9, a new short-wave station at Addis Ababa, Ethiopia, took the air on a frequency of 9.6 megs.

A new Latin broadcaster, TIGX, located at San Jose, in Costa Rica, operating on a frequency of 11.92 megs, was first heard on April 23, at 9 p.m. EDT.

Arturo Toscanini will conduct the second and third concerts of the BBC Symphony Orchestra in the current London Music Festival at Queen's Hall, on Monday, May 23, at 3:15 p.m. and on Friday, May 27, at 3:15 p.m. EDT.

SHORT-WAVE SHORTS: Albania may now be added to short-wave logs. Listen for Amateur Station ZA1CC (14.3) near 8 a.m. and 3 p.m. EDT . . . The short-wave station broadcasting irregularly near 10.03 megs, reported by many listeners as the mysterious anti-Stalin Soviet station, is, according to Eugene Rein-

hard, of Locust, N. J., the unauthorized anti-Nazi transmitter "Der Deutsche Freiheits Sender" . . . The first ultra-high-frequency non-commercial broadcast station to be licensed under the Federal Communications Commission's new ruling, owned by the Cleveland City Board of Education of Cleveland, O., has been assigned the call, WBOE . . . Guy Bigbee of Fort Benning, Ga., informs me that the call of the Villarrica, Paraguay, station on 6.15 megs has been changed from ZP15 to ZP14 . . . Although supposedly operating on a new frequency of 8.735 megs, LZA, Sofia, Bulgaria, is still being heard on approximately 14.96 megs from 2 to 2:45 a.m. EDT by L. B. Brewer of Phoenix, Ariz. . . W8XWJ (41), the ultra-high-frequency station in Detroit, Mich., is being heard with fair consistency in Germany . . . Jacques Jacquemard of Algiers writes that CSW of Lisbon, Portugal, has been testing near 8 a.m. EDT on a frequency of 11.82 megs and Radio Tananarive, Tananarive, Madagascar, is being heard on a frequency of 10.95 megs Sundays to 5:30 a.m. EDT, when the station signs off with the "Marseillaise" . . . VP2LO (6.384) of St. Kitts, British West Indies, is testing a new transmitter with aerial directional to the United States, on Saturdays from about 11:45 p.m. to Sundays at 12:45 a.m. EDT, according to John DeMyer of Lansing, Mich. . . To his other aids for identifying Station TI4NRH (9.7), in Heredia, Costa Rica, Senor Amando Cespedes Marin has added a cuckoo call and a clock, whose chimes may be heard striking the hour . . . Andrew Young, the present operator of VR6AY (14.346) on Pitcairn Island, is keeping a nightly schedule with Amateur W2IXY in New York City, at 2 a.m. EDT.

Sir Henry J. Wood will conduct fourteen South Wales choirs, including more than 1,000 voices, together with four solo artists and the Welsh Symphony Orchestra, in the broadcast of the famous Three Valleys Festival from the Pavilion, Mountain Ash, South Wales, on Saturday, May 28, at 4:10 p.m. EDT.



Listeners to the "GS" stations of England hear W. M. Shewen, senior Empire announcer, who makes a specialty of broadcasting news bulletins

Monday, May 23

7:30 a.m.—Program from Fiji: VPD2
7 a.m.—Topical Gazette: GSF GSG GSJ
8:30 a.m.—Program from Hong Kong: ZBW3
8:30 a.m.—Siamese broadcast: HS8PJ (19.02)
11:30 a.m.—Vest-pocket vaudeville: GSF GSG
3:15 p.m.—London Music Festival; BBC Symphony Orchestra conducted by Arturo Toscanini: GSF GSG

7:45 p.m.—Science news: WIXAL (11.79)
16:45 p.m. (ex. Sat.)—News in Portuguese for South America: W2XE (11.83)

7:45 p.m.—The Monitor views the news: WIXAL (11.79)

7:15 p.m.—Japanese Bamboo Flute Concert: JZJ

7:45 p.m.—Variety program from Switzerland: HB1 (14.535)

4:45 p.m.—North American broadcast from Prague, Czechoslovakia: OLR5A or OLR5B

4:45 p.m.—"Conjunto Neopoblano 1938" typical orchestra: COGF

10 p.m.—Program dedicated to Club de Ondas, Cortas, TI4NRH

10:30 p.m.—Music Hall: GSI GSD

10:45 p.m.—In memory of Karl Schurz: DJB DJD

Tuesday, May 24

8:15 a.m.—Japan's Industries: JZJ

9 a.m.—New Zealand Panorama: GSF GSG GSJ

12:20 p.m.—BBC Empire orchestra: GSG GSD

3:30 p.m.—Royal Command Concert: GSG GSP

6:15 p.m.—Wesley Day celebrations: GSO GSP

8:45 p.m.—Latest about building model planes: DJB DJD

11:45 p.m.—Argentine music: COGF

11:45 p.m.—Program from Belize, British Honduras: ZIK2

10 p.m.—Program dedicated to Newark News Radio Club: THNRRH

10:45 p.m.—Home evenings: DJB DJD

11:11 p.m.—Guatemalan National Network hour: TGWA (9.685) TGQA (6.4) TG2 (6.21)

11:50 p.m.—Unconducted Tour of England: GSI

12 mid.—Program from Tahiti: FOBAA

Wednesday, May 25

11:15 a.m.—Weekly entertainment: GSF GSG

12:40 p.m.—"World Affairs," H. Wickham Steed: GSF GSG GSJ

1 p.m.—Opening of Eucharistic Congress in Budapest: W3XAL (17.78) HASS

5:30 p.m.—Act III of "Lohengrin": GSP GSO

6 p.m.—The Happy Family will play: DJB DJD

7:15 p.m.—Madam Ayako Ohta, vocalist: JZJ

8 p.m.—Budapest program: HAT4

8:20 p.m.—Serial, "The Gang Smasher": GSD

8:30 p.m.—International orchestra: LRX

9:45 p.m.—Duets: DJB DJD

10 p.m.—Program dedicated to RADEX: TI4NRH

1:45 a.m.—Folk-songs: JZJ

Thursday, May 26

8 a.m.—The Royal Visit to Lancashire: GSF GSG GSJ

9:10 a.m.—Concert by Phahi Orchestra: PHI

3:30 p.m.—Eucharistic Congress at Budapest: W3XAL (17.78) HAS3 or HAT4

4 p.m.—Musical comedy: GSP GSG

7 p.m.—Opera, "Tristan and Isolde," Richard Wagner: DJB DJD

8 p.m.—Orchestra muzette: LRX

8:45 p.m.—Selections from operas: 2RO3 IRF

9 p.m.—Charles Brill's orchestra: GSP GSD

Log of Short-Wave Stations Whose Programs Are Listed

(Kwesecies or thousands of kwesecies shown)

CIRX. Canada	6.18	OLR4A, Czechoslovakia	11.64
CIRX. Cuba	11.72	slovakia	11.64
COCH. " "	8.43	OLR4B, " "	11.76
COCO. " "	8.92	OLR5A, " "	11.23
COGE. " "	9.78	OLR5B, " "	11.23
COGE. " "	11.80	OZT, Denmark	11.22
CSW. Portugal	8.74	PCJ, Holland	11.22
DJB. Germany	10.30	FHJ, " "	11.77
DJC. " "	8.25	PRADO, Ecuador	6.67
DJD. " "	11.77	PRTB, Brazil	8.50
DJL. " "	10.11	RAN, U.S.S.R.	9.00
TAJ43. Casablanca	10.37	RICL, " "	11.03
EAQ. Spain	8.85	RNE, " "	12.00
EAK. " "	8.49	RTV15, " "	4.82
EAKAH. Spanish Morocco	8.70	RTV20, " "	6.00
EAKAH. Tahiti	14.26	SFD, Poland	11.53
EAKAH. England	7.11	SPW, " "	11.54
EAKAH. Iceland	8.66	TPF, " "	11.23
EAKAH. Costa Rica	8.31	T14NRH, Costa Rica	11.23
EAKAH. " "	8.58	Rico	9.00
EAKAH. " "	11.78	TPA2, France	11.24
EAKAH. " "	15.14	TPA3, " "	11.88
EAKAH. " "	17.78	TPA4, " "	11.71
EAKAH. " "	21.47	TPBT, " "	11.83
EAKAH. " "	15.36	VESEN, Canada	6.00
EAKAH. " "	21.48	VRCME, Australia	8.50
EAKAH. " "	8.11	VESEME	9.41
EAKAH. " "	15.18	VLR, " "	2.28
EAKAH. " "	15.31	VPD2, Fiji	8.44
EAKAH. Hungary	9.18	VPED2, St. Kitts	6.38
EAKAH. Switzerland	14.33	VUD2, India	8.39
EAKAH. " "	8.34	WIKAL, Burmese, Mass.	8.39
EAKAH. " "	11.40	WIKAL, Mexico and 8.44	8.44
EAKAH. " "	7.68	WEUZ, Mexico, D.F. 8.12	8.12
EAKAH. Ecuador	6.65	WEKA, " "	6.17
EAKAH. Colombia	8.63	WEZ, El Salvador	7.89
EAKAH. Panama	11.7	YVIRC, Venezuela	8.30
EAKAH. " "	9.60	ZHWI, China	9.35
EAKAH. Islam, 9.81	19.02	ZIR2, British	8.32
EAKAH. Italy	9.83	ZND, Honduras	10.20
EAKAH. Kwantung	8.92	ZRE, R. Africa	9.61
EAKAH. Japan	11.89	ZMI, S. S. Hainanhs	9.61
EAKAH. Italy	15.14	ZRSO, Italy	9.62
EAKAH. Argentina	8.01	ZTO4, " "	11.81
EAKAH. Czechoslovakia	8.85	z	z

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. These are indicated, for example, by (ex-SAT) in parentheses next to a program listing. This means that on 11.82 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m.: JZN: 2.50, GSH, GSD, GSF, GSO; 8:45, JDV: 9.30, GSF, GSG, GSH, GSD; 9:35, JZN: 12 noon, GSD, GSF, GNG, GSH, 1:20 p.m., GSB, GSD, GSG; 3:10, TPA3; 3:15, GSB, GSF, GSO; 5:30, OLR5A; 5:45, EA8AB; 7, TPSA; 7:05, JZN; 8, EA8AB; 10:54, RAN, RRI; 8:35, ZRO4, IRF; 8:40, GSH, GSC, GSO; EAR: 9, EA43; 9:15, RAN, DJB; 10:45, CIRX, CIRX; 11, TPA4; 11:30, DJB, IND, GSH, GSD, GSI.

Daily Except Sundays—9:20 a.m.: VK3LK, Mon., Tues., Thurs., Fri.—9:45 p.m.: OLR5A or OLR5B.

Sunday, June 5

*8 a.m.—Overseas hour (Eastern U. S. A.): JZN
*8 a.m.—Program from Darien, Kwantung: JDV
8:15 a.m.—Eugene Pini's tango orchestra: GSF
*9 a.m.—Variety program from Germany: DJL
*9 a.m.—International church: COCO
*9 a.m.—Overseas hour (South Seas): JZN
10:20 a.m.—Falkland's Apache Band: GSF GSG
2:45 p.m.—League of Nations program: HBJ
11HQ (6.67)
3 p.m.—Danish program: OZF
4:05 p.m.—"Songs of the British Isles": GSG
4:05 p.m.—Broadcast from St. Kitts: VP2LO (6.38)
*5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese for Europe: WIXAL (12.23)
*5:55 p.m.—Greetings to listeners: DJB DJD
6 a.m.—Cuban organ music: COCO
6:15 p.m.—Organ music: DJB DJD
*7 p.m.—Overseas program (Eastern North America): JZN
*7 p.m.—Polish program for North America: SPW (13.635) and SPD (11.535)
*7 p.m.—"La Voz de Las Provincias": COCH
*7 p.m.—Cadena Cuencana network program: COCO
*7:45 p.m.—News in Spanish for South America: W2XE (11.23)
*8 p.m.—"Brazil on the Air": PSII (10.22)
*8 p.m.—Soviet program: RAN RRI
*8:30 p.m.—English news from Italy: ZRO4 IRF
*8:40 p.m.—Loyalist news from Madrid: EAR (9.488) EAQ
*8:40 p.m.—News from London: GSF GSD
*9:15 p.m.—English news from Germany: DJB
*9:30 p.m.—North American broadcast from France: TIPR7
*9:30 p.m.—Spanish news bulletin from Daventry: GSB
*9:45 p.m.—Portuguese news bulletin from DA (6.04)
*10 p.m.—Program from Miami, Florida: W4XB TPA4
*10:30 p.m.—Oriental program from India: VU102
*11 p.m.—English news from France: TPE7 TPA4
*11:30 p.m.—English news from Germany: DJB
*12:45 p.m. (ex. Sat.)—Program from South Africa: XRA
*1:30 a.m.—Overseas hour (West Coast): JZN
*2 a.m.—English DX period: WEUZ

Key to Symbols Used: *Daily; #Week Days;
\$Monday, Wednesday, Friday; \$Monday, Thursday;
##Monday, Tuesday, Thursday, Friday;
†Tuesday, Thursday, Saturday; §§Tuesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

WITH Czechoslovakia now assuming the leading role in the Central European drama, "War—to Be, or Not to Be," the following up-to-date schedule of short-wave broadcasts from Prague should be of especial interest. Transmissions for North America on Mondays, Tuesdays, Thursdays and Fridays from 7:55 to 10:55 p.m. EDT (news in English at 9:50 and a talk in English at 10:20 p.m. EDT), over OLR5A (15.23) or OLR5B (15.32); transmissions for South America on Sundays from 6:55 to 9:55 p.m. EDT over OLR5A or OLR5B; transmissions for Europe daily from 2:55 to 5:40 p.m. EDT (news in English at 5:30 p.m. EDT) over OLR4A (11.84) or OLR4B (11.76).

VP2LO (6.284), owned by the Caribbean Broadcasting Service of St. Kitts, B. W. I., will within the next two years become the most powerful short-wave station in the West Indies, according to its operators, who state that with a power of 10,000 watts, this broadcaster will be in the enviable position of providing advertisers with a service covering the whole Caribbean area. VP2LO, with a present power of 500 watts, may be heard daily from 5 to 5:45 p.m. EDT.

DAVENTRY PROGRAM HIGHLIGHTS: The most magnificent military display in the world, the Aldershot Tattoo, in which upwards of five thousand troops of the Aldershot and Eastern Commands turn Rushmoor Arena, Aldershot, into an animated pattern of blazing color as they reenact scenes from the past and display the resources of the army of today on an eleven-acre stage, will be heard in rehearsal on Tuesday, June 7, at 10:20 a.m. EDT, while the actual Tattoo, which will this year present the "Field of the Cloth of Gold" scene of the meeting between Henry VIII of England and Francois I of France, will be described on Wednesday, June 8, at 6:40 p.m. EDT. The famous American film stars of a few years back, Bebe Daniels

and Ben Lyon, will co-star in a musical play, "The Silent Melody," which will be heard on Tuesday, June 7, at 3 p.m. EDT. . . . A commentary on Trooping the Color—by far the most spectacular of London's annual ceremonials—the army's own celebration of the King's birthday, will be heard on Thursday, June 9, at 5:45 a.m. EDT. . . . The first cricket test match between England and Australia, the greatest event on the cricket calendar, will be described in play-by-play commentaries on Friday, June 10, at 6:25, 7:30, 8:20, 9:15 a.m., 12:30, and 1:25 p.m. EDT, and on Saturday, June 11, at 7:30, 8:20, 9:15, 10:30 a.m., 12:25, and 1:25 p.m. EDT. In addition to the regular frequencies, two special frequencies, namely, GSP (15.31) and GSD (11.75) will be in constant use during the match The Wightman Cup tennis championships, in which women "aces" from the United States will again attempt to defeat their British opponents, will be short-waved direct from the center court at Wimbledon on Friday, June 10, at 10:15 a.m. EDT and on June 11 at 10:15 and 11:30 a.m. EDT.

EA8AB, the Radio Club de Tenerife, at Tenerife in the Canary Islands, is once more on the air, having been heard broadcasting on a frequency of 7.3 megs. on a recent Thursday at 10 p.m. EDT, by Roger Legge, of Philadelphia, Pa.

SHORT-WAVE SHORTS: T14NRH (9.7), Heredia, Costa Rica, is now using the Costa Rican national anthem as a sign-on and sign-off signature . . . COCH (11.73) of Havana, Cuba, will leave the air temporarily while a new 20,000-watt transmitter is being installed . . . CJCX (6.01) of Sydney, Nova Scotia, Canada, with a power of 1,000 watts, transmits on Sundays only, from 11 p.m. to 12:30 a.m. EDT . . . LZA, Sofia, Bulgaria, is being reported on dual frequencies of 14.96 and 15.18 megs, according to listeners in Arizona and California, who are hearing broadcasts from 10 to 11 a.m. and midnight to 1 a.m. EDT, almost daily.



Listeners to OLR recently heard the President of Czechoslovakia, Dr. Edward Benes, speaking in connection with the present European crisis.

Monday, June 6

6:30 a.m.—Program from Fiji: WPDZ
6:30 a.m.—Program from Hong Kong: ZHW9
6:30 a.m.—Siamese broadcast: HS8PZ (19.02)
2 p.m.—"Monday Night at Seven": GSG GSD
3:30 p.m.—Act I and Act III of Opera "Rigoletto": GSG GSD
4:30 p.m.—(ex. Sat.)—News: W2XAD (15.33)
W2XAF (9.53)
4:45 p.m.—Senate news: WIXAL (11.79)
6:15 p.m.—Dresden String Quartet: DJD DJD
16:45 p.m. (ex. Sat.)—News in Portuguese for South America: W2XE (11.83)
7 p.m.—Monitor news: WIXAL (11.79)
\$47.55 p.m.—North American broadcast from Prague, Czechoslovakia: OLR5A or OLR5B
8:30 p.m.—Silesian house evening: DJB DJD
\$49 p.m.—"Carnival Neapolitano, 1938," typical orchestra: COGF
9:15 p.m.—"Prof. Hercules": ZHOM IRF
10:15 p.m.—German Study Club: DJB DJD
11 p.m.—Gustavus program for North America: TGWA (19.65)
11:50 p.m.—"Escape," Captain D. Connell Milne: GSI GSD

Tuesday, June 7

10:20 a.m.—The Aldershot Searchlight Tattoo: GSG GSD
10:40 a.m.—Topical Gazette: Fortnightly review of events: GSF GSG GSJ
3 p.m.—Bebe Daniels and Ben Lyon in "The Silent Melody": GSG GSF
8:20 p.m.—Serial, "The Gang Smasher": GSF
9:19 p.m.—Argentine music: COGF
9:45 p.m.—Program from Berlin, British Honduras: ZIK2
+10 p.m.—Program from Costa Rica: TMXRH
10:20 p.m.—Talk, "The First Plane Across the Atlantic": GSI GSD
+10:30 p.m.—Billie's Happy Boys Dance Orchestra: YVSRC
8:30 p.m.—Gustavus National network hour: TGWA (19.65) TGQA (6.4) TG2 (6.21)
11:15 p.m.—Evening concert: DJB DJD

Wednesday, June 8

9 a.m.—Barrington Quartet: GSF GSG GSF
12:40 p.m.—"World Affairs," Sir Malcolm Robertson: CSC GSD
3 p.m.—BBC Symphony Orchestra, Sir Adrian Boult, conductor: GSG GSF
5 p.m.—The Happy Family has a concert: DJB
7 p.m.—Bass-viol and piano: DJB DJD
7:30 p.m.—English program from Martinique: Radio Martinique (9.65)
8 p.m.—Budapest program: HAT4
8:30 p.m.—International orchestra: LHX
9:15 p.m.—Roula Jennes Wade: ZRO4 IRF
10 p.m.—Music and stories of Latin America: W3XAL (6.1)
11:15 p.m.—Evening concert: DJB DJD

Thursday, June 9

5:45 a.m.—Trooping the Color in honor of the birthday of the King: GSF GSG GSF
10:30 a.m.—Program for Latin women: W2XE (21.52)
12:35 p.m.—Lajos Vodell and his Hungarian Orchestra: GSF GSG
2 p.m.—"The Sinking of H. M. S. Audacious," Charles Ponsonby: GSG GSD
6 p.m.—Light entertainment: DJB DJD
8 p.m.—Orchestra Musette: LHX
9:30 p.m.—Rafael Guinard's orchestra: YVSRC
9 p.m.—Hilde Neenes, violinist: GSF GSD
9:45 p.m.—A visit to a German furniture factory: DJB DJD
10:45 p.m.—DX chatterbox: WBXWJ (41)

Friday, June 10

6:25 a.m.—The first cricket test match: England vs. Australia: GSF CSC GSF
7:30 a.m.—The first cricket test match: England vs. Australia: GSF GSG GSJ (also at 8:20 and 9:15 a.m.)
10:15 a.m.—Lawn tennis: the Wightman Cup: GSF CSC GSJ
12:30 p.m.—Commentary on the first cricket test match: England vs. Australia: GSF GSD
3:15 p.m.—London Music Festival: BBC Symphony Orchestra, conducted by Arturo Toscanini: GSG GSF
4:10 p.m.—Take Your Choice: GSG GSF
6 p.m.—"Sir John Falstaff": DJB DJD
7:45 p.m.—"Pathways to Praise": WIXAL (6.04)
8:15 p.m.—Concert orchestra: YVSRC
9 p.m.—Esso House: COCI (9.43)
9:30 p.m.—Popular Cuban melodies: YVSRC
10:30 p.m.—Military concert: DJB DJD
12:15 a.m.—DX Club: W8NK (6.14)

Saturday, June 11

7:30 a.m.—The first cricket test match: England vs. Australia: GSF GSG GSJ (also at 8:20 and 9:15 a.m.)
10:15 a.m.—Lawn tennis: the Wightman Cup: GSF GSG GSJ
11:30 p.m.—The first cricket test match: England vs. Australia: GSF GSG (also at 12:25 and 1:25 p.m.)
3 p.m.—Palace of Varieties: GSG GSF
7 p.m.—Non-stop variety show: DJB DJD
8:30 p.m.—The glories of summer: DJB DJD
9 p.m.—The Hour of Costa Rica: TIPG (6.41)
10:15 p.m.—Dance music: DJB DJD
12 mid.—Northern messenger; messages to those in the Arctic: VESDN

Log of Short-Wave Stations
Whose Programs Are Listed
(Megacycles or thousands of kilocycles shown)

CIRG, Canada	6.15	OLRMA, Crochetteville	11.88
CJMK, Cuba	11.78	"	"
COCH, "	9.63	OLR4B, "	11.78
COCO, "	8.01	OLR5A, "	15.23
COCQ, "	8.725	OLR5B, "	15.38
COGF, "	11.805	OZT, Denmark	9.82
CIRW, Portugal	8.78	PCV, Holland	9.19, 15.22
DJB, Germany	15.88	PSH, "	17.775
DJC, "	6.08	PRADO, Ecuador	6.82
DJB, "	11.77	PRIS, Brazil	9.58
DJL, "	15.18	RAN, U.S.S.R.	9.68
EASG, Casablanca	10.57	REI, "	15.08
EAQ, Spain	9.855	RNE, "	12.08
EAK, "	8.49	RVIS, "	4.273
EASAH, Spanish Morocco	8.68	RWSB, "	6.08
FO8AA, Tahiti	14.05	SPD, Poland	11.53
GSA, England	6.05	SPW, "	13.68
GSR, "	8.51	TIAKRM, Costa Rica	2.038
GSC, "	5.58	TPA3, France	16.24
GSD, "	11.78	TPA3, France	11.88
GSE, "	18.14	TPA3, "	11.88
GSK, "	17.78	TPA3, "	11.78
GSI, "	21.41	TPBT, "	11.885
GSI, "	15.26	VEDDN, Canada	6.005
GSI, "	21.58	VE2ME, Australia	9.59
GSI, "	6.11	VHJME, " "	9.51
GSO, "	15.18	VLR, "	8.58
GSP, "	15.31	VPDZ, Fiji	8.54
HAT, Hungary	9.12	VPZLO, St. Kitts	6.38
HDB, Switzerland	14.536	VUDZ, India	9.59
HBL, "	9.84	WIKAL, Boston, Mass.	"
HBO, "	11.602	15.25, 11.79 and 6.04	"
HCP, "	7.30	XEUZ, Mexico, D.F. 6.12	"
HCR, Ecuador	6.68	XEXA, "	6.178
HJLAEP, Colombia	9.616	YSD, El Salvador	7.894
HPSA, Panama	11.7	YV3HC, Venezuela	8.97
HPSI, "	9.86	ZBW3, China	9.525
HSPJ, Siam, 9.31,	10.82	ZIKZ, British	"
IRF, Italy	9.83	Honduras	10.8
JZY, Kwantung	9.825	ZRH, S. Africa	8.61
JZY, Japan	11.80	ZMT, S.S. Kanishiba	8.01
JZY, "	15.10	ZRO3, Italy	8.635
LRY, Argentina	9.86	ZRO4, "	11.81
OLRMA, Crochetteville	8.58	"	"

Short-wave programs of American stations are shown along with the regular listings beginning on page 15. These are indicated, for example, by (ex. Sat.) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m. JZY; 2:59, GSR, GSD, GSF, GSO; 8:45, JZY; 9:30, GSF, GSG, GSJ; 9:55, JXK; 12 noon, GSD, GSF, GSI; 1:20 p.m., GSB, GSD, GSG; 3:10, TPA3; 5:15, GSB, GSF, GSO, GSP; 5:30, OLR4A, or OLR4B; 5:45, EA9AH; 7, HPSA; 7:05, JZY, JXK; 8, EA9AH, HPSJ, RAN, RKI; 8:35, IWF, ZRO4; 8:40, GSB, GSC, GSD, GSP, EAK; 9, KJ4J3; 9:15, DJB, DJD; 10:45, CIRG, CJRW; 11, TPA4; 11:30, DJB, DJD, GSD, GSC, GSD, GSI.
Daily Except Sundays—9:20 a.m. VK3LR.
Mon., Tues., Thurs., Fri.—9:50 p.m., OLR5A or OLR5B.

Sunday, June 12

7:30 a.m.—Duhlin vs. London, spelling bee; GSF
8 a.m.—Overseas hour (Eastern U. S. A.); JZY
8 a.m.—Program from Daries, Kwantung; JZY
9 a.m.—Variety program from Germany; DJB
9 a.m.—International church: COCQ
9 a.m.—Overseas hour (South Seas); JZY
11:45 a.m.—League of Nations broadcast: HBBH (18.43)
1:50 p.m.—"Victorian Melodies"; GSD GSG
3 p.m.—Danish program: QZF
5 p.m.—Broadcast from St. Kitts: VPZLO (6.38)
5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese, for Europe: WIXAL (11.78)
5:55 p.m.—Greetings to listeners: DJB DJD
7 p.m.—Overseas program (Eastern North America); JZY JZY
7 p.m.—Polish program for North America: SPW (13.635) SPD (11.535)
7 p.m.—"La Voz de Las Provincias"; COCH
7 p.m.—Cadena Cruscelas network program: COCO
7:45 p.m.—News in Spanish for South America: W2XE (11.83)
8 p.m.—El Salvadorian program: VSD
8 p.m.—"Brazil on the Air"; PSH (10.22)
8 p.m.—Soviet program: RAN RKI
8:15 p.m.—Program from Spanish Morocco: EA9AH
8:30 p.m.—English news from Italy: ZRO4 IRF
8:40 p.m.—Loyalist news from Madrid: EAK (19.488) EAQ
8:40 p.m.—News from London: GSF GSD
9:15 p.m.—English news from Germany: DJB
9:30 p.m.—North American broadcast from France: TPB7
9:30 p.m.—Spanish news bulletin from Daventry: GSB
9:45 p.m.—Portuguese news bulletin from Daventry: GSB
10 p.m.—Program from Miami, Florida: W4XB (16.04)
10:30 p.m.—Oriental program from India: VUDZ
11 p.m.—English news from France: TPB7 TPA4
11:30 p.m.—English news from Germany: DJB
12:45 a.m. (ex. Sat.)—Program from South Africa: ZRR
1:30 a.m.—Overseas hour (West Coast); JZY
2 a.m.—English DX period: XEUX

Key to Symbols Used: *Daily; **Week Days;
†Monday, Wednesday, Friday; ††Monday, Thursday;
‡Monday, Tuesday, Thursday, Friday;
‡‡Tuesday, Thursday, Saturday; §§Tuesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

THE International Telecommunications Conference, recently held at Cairo, Egypt, made some important changes in those short-wave bands on which the broadcasting stations are located.

In what is now known as the intermediate wave-band, provision for broadcasting has been made between 2.3 and 2.5 megs (about 125 meters). Then there is a second band from 3.3 to 3.5 megs (about 87 meters), and a third new band between 4.77 and 4.9 megs (about 62 meters). These new bands are reserved for relatively local broadcasting services in countries lying in tropical or semi-tropical regions.

In the short-wave band proper, that is below 50 meters, the 49-meter band, which was 150 kilocycles wide has been increased to 200 kilocycles and the new allocation is from 6 to 6.2 megs. A new band 100 kilocycles wide, between 7.2 and 7.3 megs, has been created by allowing broadcasting to share with amateurs, except in the American continent. This will be in the neighborhood of 41 meters. Then the 31-meter band which was originally 100 kilocycles wide, has now been extended to 200 kilocycles, the new figures being 9.5 to 9.7 megs. No changes have been made in the 25- or 19-meter bands. The 16-meter band, however, has been extended, making it 100 kilocycles wide instead of 50, the new limits being 17.75 to 17.85 megs. The 13-meter band has been extended from 100 to 300 kilocycles, the new band running from 21.45 to 21.75 megs. These changes in the allocations of wave-bands will definitely come into effect on September 1, 1939, but most stations will have made any necessary alterations in frequency long before this date.

The new regulations, while not offering a panacea for all of the ills of overcrowded wave-bands, are at least a step in the right direction and should sufficiently relieve the general situation that much improved reception will result.

If conditions for reception from Sweden are favorable on Thursday,

June 16, at 10 a.m. EDT, listeners may try for King Gustav's 80th birthday address direct over SM5SX (15.155) of Stockholm, Sweden.

HIGH-FREQUENCY FLASHES:
PJC2 (9.09), Curacao, D. W. I., is now broadcasting daily from 7:36 to 9:36 p.m. EDT . . . VP2LO (6.384), St. Kitts, B. W. I., is now radiating a special program for listeners in the United States every Wednesday night at 8:30 p.m. EDT . . . August Balbi of Los Angeles, Calif., reports hearing VUD2 (9.59), Delhi, India, at the unusual time of 10 to 11 a.m. EDT . . . According to Ray Shaffar of Waterloo, Ia., OAX1A (6.334), Chiclayo, Peru, is temporarily out of QSL cards but will verify all accumulated reports with new cards as soon as possible . . . Harold Schrock of Bloomington, Ill., has received information from "Radio Malaga," Spain, to the effect that it broadcasts daily in the interest of General Franco. On 7.22 megs from 10 to 11 a.m. and from 5 to 6:30 p.m., and on 14.44 megs from 6:40 to 9:45 p.m. EDT. The transmitter power is 700 watts . . . Preceding the 11:30 to 11:45 a.m. EDT transmission from HVJ (15.12), Vatican City, a clock may be heard ticking for five minutes, then the Clockes des Saint Pierre sound the hour, and the transmission starts with these words, "Laudetur Jesus Christus."

The spelling-match rage has spread to Great Britain. On Sunday, June 12, at 7:30 a.m. EDT, London and Dublin will tangle in an international spelling-bee which will be heard over GSF, GSC and GSJ . . . Two world-famous cellists will be heard in the Daventry programs this week: Gregor Piatigorsky, who will play during the Fifth Empire Symphony Concert on Monday, June 13, at 7:20 p.m. EDT, to be aired over GSF and GSD, and Madam Giulhermina Suggia, the world's greatest woman cellist, who will give a recital on Wednesday, June 15, at 9 p.m. EDT, which will be heard over Daventry Stations GSF and GSD.

Monday, June 13

16:30 a.m.—Program from Fiji: VPI2
7:30 a.m.—Cricket Test Match, England vs. Australia; GSF GSG GSJ (also 8:20, 9:15 a.m.; 12:30, 1:20 p.m.)
8:30 a.m.—Program from Hong Kong: ZDW3
9:30 a.m.—Siamese broadcast: HSPPJ (19.02)
2:30 p.m.—"Giblitar," drama: GSG GSD
4:45 p.m.—Over the Farm Gate: GSG GSD
5 p.m. (ex. Sat.)—News: WZXAD (15.33) W2XA (9.53)
9:30 p.m.—Science news: WIXAL (11.79)
10:45 p.m. (ex. Sat.)—News in Portuguese for South America: W2XE (11.83)
11:30 p.m.—Moscow news: WIXAL (11.79)
7:20 p.m.—BBC Symphony Concert; Eric Foss, conductor: Piatigorsky, cello: GSP GSD
11:55 p.m.—North American broadcast from Prague, Czechoslovakia: OL15A or OL15B
8:30 p.m.—"Conjunto Neopoblano 1938" typical orchestra: COGF
9:15 p.m.—Human landmarks: ZRO4 IRF
10:30 p.m.—Folk songs: DJB DJD
11 p.m.—Guatemalan program for North America: TGWA (9.685)

Tuesday, June 14

6:45 a.m.—First Cricket Test Match; England vs. Australia: GSF GSG GSJ (also 8:20, 9:15 a.m.; 12:30, 1:25 p.m.)
9:10 a.m.—Talk on Glenbach: PH1
4:20 p.m.—My Best News Story: GSG GSD
6 p.m.—Songs of soldiers of fortune: DJB DJD
8:45 p.m.—Tuesday Symphonies: ZRO4 IRF
11:30 p.m.—Argentine music: COGF
11:45 p.m.—Program from Belize, British Honduras: ZIK2
11:10 p.m.—Program from Costa Rica: TI4NRH
11:30 p.m.—Billie's Happy Boys Dance Orchestra: YVSRC
8:30 p.m.—Guatemalan National network hour: TGWA (9.685) TGQX (6.4) TG2 (6.21)

Wednesday, June 15

8:15 a.m.—Men Who Make the Shows: GSF GSG
11:15 a.m.—Weekly entertainment: GSF GSG GSJ
12:40 p.m.—"World Affairs," J. L. Brierly: GSF
4:20 p.m.—Act II of "La Boheme," Puccini: GSG
6:15 p.m.—Gudrun Lehmann-Nitsche, pianist: DJB DJD
6:30 p.m.—The Celebration of the King of Sweden's 80th Birthday: W3XAL (17.78)
7:30 p.m.—Operetta, "The Merry Widow": DJB
8:30 p.m.—North American hour from St. Kitts: VP2LO (6.38)
10 p.m.—Music and stories of Latin America: W3XAL (6.1)
11:25 p.m.—Technical tips for the radio fan: DJB
11:45 p.m.—"Japan in June," Jiro Osarai: ZK2

Thursday, June 16

10 a.m.—80th Birthday Address by King Gustav of Sweden: W8XX (15.21)
3:40 p.m.—Speech by the Secretary of State for the Colonies: GSF GSD
7 p.m.—Concert of the Munich Philharmonic Orchestra: DJB DJD
8:15 p.m.—"Haunting Harmonies": GSF GSD
8:30 p.m.—Visit to Cologne: DJB DJD
8:45 p.m.—Selections from operas: ZRO4 IRF
9 p.m.—Elizabeth Sandermaier, pianist: DJB DJD
10:40 p.m.—Music for the Theater: GSI GSD
10:45 p.m.—DX Chatter Box: W8XWJ (41)
11:45 p.m.—Shakuchi and koto concert: ZK2

Friday, June 17

8 a.m.—BBC Symphony Concert: GSF GSG GSJ
9:10 a.m.—Variety Ensemble: PH1
3:20 p.m.—Act II of "Die Meistersinger," Wagner: GSG GSD
5 p.m.—English news review: LSV (18.115) LRA (9.69)
5:50 p.m.—Excerpt from Act III of "Die Meistersinger": GSD GSP
6:30 p.m.—Present Status of X-ray Research: DJB DJD
7:15 p.m.—Army Band Concert: DJB DJD
8:30 p.m.—The Listener's Mail Bag: WIXAL (6.04)
8:45 p.m.—Guest violin: ZRO4 IRF
9 p.m.—The Esso Hour: COCH (9.43)
9:30 p.m.—Popular Cuban melodies: YVSRC
10 p.m.—Program for Latin America: WIXAL (11.79)
10:30 p.m.—Mozart-Haydn concert hour: DJB
12:15 a.m.—DX Club: W8XX (6.14)

Saturday, June 18

10 a.m.—The Kinnaird Trophy: GSF GSG GSJ
2:30 p.m.—In Town Tonight: GSD GSG
3 p.m.—Music Hall: GSG GSD
4:45 p.m.—Cricket: Lancashire vs. Australia: GSG GSD
8 p.m.—Special Good-Will Broadcast for North American Short-Wave listeners from Warsaw, Poland: SPW (13.635) SPD (11.535)
9 p.m.—"The Hour of Costa Rica": TIPG (6.4)
9:05 p.m.—Musical Variety: GSF GSD
9:15 p.m.—"Exploring Around Lake Tana," Prof. Brunelli: ZRO4 IRF
9:30 p.m.—The Continentals: YVSRC
9:45 p.m.—Practical Mints for Stamp Collectors: DJB DJD
10 p.m.—Dance music: YVSRC
11 p.m.—Opera: OAX4
12 mid.—Northern Messenger; Messages to those in the Arctic: VE9DN



Listeners to the Daventry Stations recently heard George Bernard Shaw, famous British novelist and playwright, speaking from London

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
CJRO, Canada	6.18	OLRSA, Czechoslovakia	9.55
CIRX, Cuba	11.78	slovakia	11.88
COCH	8.43	OLRAB	"
COCO	6.61	OLRAB	11.76
COGQ	9.785	OLRSA	15.23
COGF	11.805	OLRAB	15.32
CSW, Portugal	9.74	OZP, Denmark	9.52
DJB, Germany	15.20	PCJ, Holland	9.28, 15.22
DJC	6.02	PHL	"
DJD	11.77	PRF, Brazil	9.50
DJL	15.11	RAN, U.S.S.R.	9.80
EAJA3, Canarias	10.37	RKI	15.08
EAQ, Spain	9.855	RME	12.00
EAR	9.49	REV13	4.273
EASAH, Spanish Morocco	6.00	REV13	"
FORAA, Tahiti	14.66	SFD, Poland	11.53
GSA, England	7.11	SPW	13.64
GSE	6.09	TFA, Iceland	12.23
GSC	9.31	TI4NHN, Costa Rica	"
GSD	9.58	Rica	9.698
GSE	11.75	TPA1, France	15.24
GSE	15.14	TPA1	11.88
GSE	15.19	TPA1	"
GSE	21.47	TPR1	11.885
GSE	15.26	WE3DN, Canada	8.605
GSE	21.28	YV3EM, Australia	5.59
GSE	6.11	YK3ME	9.51
GSE	15.18	YLR	9.58
GSE	15.21	YFD2, Fiji	9.54
HAT4, Hungary	9.12	VP2LO, St. Kitts	6.38
HBB, Switzerland	14.325	WUD2, India	9.59
HBL	9.34	WIXAL, Boston, Mass.	"
HBO	11.462	15.25, 11.79 and 6.04	"
HBP	7.80	XEUZ, Mexico, D.F. 6.12	"
HCR1L, Ecuador	6.66	XEXA	6.178
HJ1ABP, Colombia	9.618	YSD, El Salvador	7.894
HPSA, Panama	11.7	YV5RC, Venezuela	5.97
HPSA	9.66	ZBW1, China	9.525
HSPB3, Spain	12.01	ZH2K, British Isles	"
IRF, Italy	9.83	Honduras	10.6
JDT, Kwantung	9.925	ZRK, E. Africa	8.61
JZJ, Japan	11.80	ZMI, S.E. Rhodesia	6.01
JEK	15.16	ZR03, Italy	9.638
LRE, Argentina	9.68	ZR04	"
	11.81		

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. These are indicated, for example, by (aw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m., JZK; 2:50, GSB, GSD, GSF, GSG, GSO; 8:45, JDU; 9:30, GSF, GSG, GSH, GSI; 9:55, JZK; 12 noon, GSF, GSG, GSH, GSI; 1:20 p.m., GSB, GSD, GSG; 3:10, TPA1; 5:15, GSB, GSF, GSO, GSP; 5:30, OLR4B or OLR4B, 5.45, EA9AB; 7, TPA1; 7:05, JZK, JZK; 8, EA9AB, HP5J, RAN, RKI; 8:35, IRF, 2R04; 8:40, GSB, GSC, GSD, GSP, EAR; 9, EA1J3; 9:15, IJ1B, DJD, 10:45, CJRO, CJRX; 11, TPA1; 11:30, DJB, DJD, GSB, GSC, GSD, GSI.

Daily Except Sundays—9:20 a.m., VK3KL. Mon., Tues., Thurs., Fri.—9:50 p.m., OLRSA or OLR5H.

Sunday, June 19

*8 a.m.—Overseas hour (Eastern U.S.A.): JZK, JZK

*8 a.m.—Friendly hour: TI4NHB

*9 a.m.—Variety program for Germany: DJL

*9 a.m.—International church: COCQ

*9 a.m.—Overseas hour (South Seas): JZK

10:15 a.m.—BBC Military Band: GSF GSG GSI

*1:45 p.m.—"Golden Palm Marimba Band": TGWA (15.17)

2:40 p.m.—Iceland hour: TFI

2:55 p.m.—Bible Sunday: GSG GSD

*5 p.m.—Broadcast from St. Kitts: VP2LO (6.38)

*5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese, for Europe: W3XAL (17.78)

*5:55 p.m.—Greetings to listeners: DJB DJD

6:15 p.m.—Melanie Wolf, violin: DJB DJD

*7 p.m.—Overseas program (Eastern North America): JZK JZK

*7 p.m.—Polish program (North America): SPW (13.625) SPD (11.535)

*7 p.m.—La Yer de Las Provincias: COCH

*7 p.m.—Cadena Crusadas network program: COCO

*7:45 p.m.—News in Spanish: W2XK (11.83)

*8 p.m.—El Salvadorian program: YSD

*8 p.m.—Brazil on the Air: PSII (10.22)

*8 p.m.—Soviet program for N. A.: RAN RKI

*8:30 p.m.—English news from Italy: 2R04 IRF

*8:40 p.m.—Localist news from Madrid: EAR (9.488) EAQ

*8:40 p.m.—News from London: GSF GSD

9 p.m.—Band Concert: COCO

*9:15 p.m.—English news from Germany: DJB

*9:30 p.m.—North American broadcast from France: TPIB7

*9:30 p.m.—Spanish news bulletin from Daventry: GSB

*9:45 p.m.—Portuguese news bulletin from Daventry: GSB

*10 p.m.—Program from Miami, Florida: W4XB (6.04)

*10:30 p.m.—Oriental program from India: YUD2

*11 p.m.—English news from France: TP87 TPA4

*11:30 p.m.—English news from Germany: DJB DJB

*12:45 a.m. (ex. Sat.)—Program from South Africa: ZRK

*1:30 a.m.—Overseas hour (West Coast): JZK

*2 a.m.—English DX period: XEUZ

Key to Symbols Used: *Daily; †Week Days; ‡Monday, Wednesday, Friday; §Monday, Thursday; §§Monday, Tuesday, Thursday, Friday; §§Tuesday, Thursday, Saturday; §§Tuesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

INSTEAD of allotting fixed periods in the Daventry transmissions to commentaries on the All-England Lawn Tennis Club Championship Meeting at Wimbledon, the programs will be interrupted for broadcasts from the center court whenever the matches then in progress have reached an exciting stage. This arrangement will remain in force throughout the entire period of the Championships—Monday, June 20, to Saturday, July 2—but during the last three days electrically recorded sound pictures of episodes during the day's play will supplement any commentaries that may be given . . . That colorful bit of old London bounded by Oxford Street, Regent Street, Shaftesbury Avenue, and Charing Cross Road.

Ray Shaffer of Waterloo, Ia., reports a new station, TIEM of San Jose, Costa Rica, testing in early evenings on 10.04 and 10.2 megs.

NBC's International Station W3XAL (17.78) is now presenting news reports to foreign countries each Sunday as follows: At 1:45 p.m., in Italian; at 3 p.m., in German; at 4 p.m., in French; at 7:30 p.m., in Spanish and at 7:45 p.m. EDT, in Portuguese. The Latin broadcasts are also heard weekdays at the same time . . . A Broadway air column, devoted to news about the theater, motion pictures, night clubs and fashions, with Miss Carmer Castello as the Spanish commentator, is now directed to Latin-American listeners each Friday night at 7:15 p.m. EDT, over CBS International Station W2XE (11.83) . . . A sparkling luncheon concert by the Golden Palm Marimba Band may be heard daily from 1:45 to 2:45 p.m. EDT, over TGWA (15.17) of Guatemala City.

According to Radiocorriere, the new 1,000-watt short-wave station which was inaugurated at Addis Ababa, Ethiopia, on May 9, is now operating daily on 9.53 and 4.73 megs. A third optional frequency of 12 megs will be added soon.

SHORT-WAVE SHORTS: OZF (9.52) of Skamlebak, Denmark, is now beaming on South America daily from 9 to 10:30 p.m. and on North America and Greenland daily from 10:30 p.m. to 12 mid. EDT . . . COCM of Havana, Cuba, has shifted to 9.82 megs, assumedly to escape interference from EAQ, Madrid . . . Other stations that have shifted frequencies lately are: YV5RC, Caracas, Venezuela, to 5.97 megs; TIWS, Puntarenas, Costa Rica, to 6.375 megs; HC2CW, Guayaquil, Ecuador, to 9.19 megs, and HCJB, Quito, Ecuador, heard testing on 6.225 megs . . . R. B. Oxrieder of State College, Penn., writes that a new Chilean station on 11.78 megs, believed to be CB1180, is being heard evenings from approximately 7 to 11 p.m. EDT, where it receives considerable interference from HP5G (11.78), "Radio Gonzales," P. O. 1121, Panama City, Panama, which went on the air officially with an inaugural program on Wednesday, May 25, and is now being heard from 10 p.m. to 1 a.m. EDT . . . Plans are under way for world transmissions from Delhi, India, which beamed on various parts of the world, would seek to impart general knowledge about the languages, culture and principles of that country.

Listeners should be on the lookout for PK6XX (14.2) in New Guinea. The power of this station, which was first heard with very loud signals, on June 2, by John DeMyer of Lansing, Mich., was given as 300 watts. PK6XX is believed to be the basecamp station of the American Museum of Natural History's Expedition to New Guinea, and as such should provide some very thrilling moments of reception from the land of "head hunters."



Left: Lester Allen, comedian heard on "Palace of Varieties" Saturday.



Right: Jack Payne, director of the popular English dance orchestra

Monday, June 20

6:30 a.m.—Program from Fiji: VPD2
8:9 a.m.—Program from Hong Kong: ZBW3
8:9 a.m.—Siamese broadcast: HS894 (19.02)
9:15 a.m.—Meeting of the PHONI Club: PHN
12:20 p.m.—Bevor, "It Happens Every Day": GSF GSG GSJ
4:55 p.m. (ex. Sat.)—American News Tower: WZNAD (15.33) WZXAF (9.51)
6:16 p.m.—Science news: WIXAL (11.79)
6:25 p.m.—"Topical Gazette": GSO GSJ
6:45 p.m. (ex. Sat.)—News in Portuguese for South America: W2XD (11.83)
7:45 p.m.—Monitor news: WIXAL (11.79)
7:45 p.m.—Variety program from Switzerland: HUJ HHO
8:25 p.m.—North American broadcast from Prague, Czechoslovakia: OLRSA or OLR4B
8:9 p.m.—"Concierto Neogallego 1938" typical orchestra: COGE
9:45 p.m.—2R04's mail box: 2R04 IRF
10:15 p.m.—German Study Club: DJB DJD
10:30 p.m.—Heinz Stembark Band: DJB DJD
11 p.m.—Guatemalan program for North America: TGWA (9.685)

Tuesday, June 21

7:15 a.m.—"Soho," a program about the district bounded by Oxford Street, Regent Street, Shaftesbury Avenue, and Charing Cross Road: GSF GSG GSJ
11 a.m.—Geraldo's concert orchestra: GSF GSG
6:15 p.m.—Maria Caeon, vocalist: DJB DJD
8:45 p.m.—Tuesday Symphonies: 2R04 IRF
8:49 p.m.—Argentine music: Gavilán and Calzanos, guitar duo: COGE
9:45 p.m.—Program from Belice, British Honduras: ZIK2
10:10 p.m.—Program from Costa Rica: TI4NHB
10:30 p.m.—Julio's orchestra: YV5RC
8:11 p.m.—Guatemalan National network hour: TGWA (9.685) TGQA (6.4) TG2 (6.21)

Wednesday, June 22

9:55 a.m.—The Northumberland Plate: GSF GSG
12:20 p.m.—"World Affairs," H. Wickham Steed: GSF GSG
1:45 p.m.—Act 1 of Mozart's Opera "Don Giovanni": GSF GSG
6:15 p.m.—Amilia Wendlase, violin: DJB DJD
7 p.m.—Melodies from modern operettas: DJB
7:30 p.m.—English program from Martinique: Radio Martinique (9.685)
8 p.m.—Hudspeth program: IIAT4
8:30 p.m.—North American hour from St. Kitts: VP2LO (6.38)
8:45 p.m.—Jemma Rosta Wade: 2R04 IRF
9:15 p.m.—Latest recordings: 2R04 IRF
10:35 p.m.—"The Northumberland Plate": GSF

Thursday, June 23

7:30 a.m.—At the Black Dog: GSF GSG GSJ
9:30 a.m.—Violin concert by Y. Meinhof: PHN
11 a.m.—The International Horse Show: GSF
3:40 p.m.—Hungarian Gypsy Party: GSF GSD
6:15 p.m.—Works by Antonia Lecu: DJB DJD
7 p.m.—Navy band: DJB DJD
7:20 p.m.—Talk "Why Greek?": GSF GSD
8 p.m.—Folk music: DJB DJD
8:30 p.m.—Rafael Guimaraes' orchestra: YV5RC
8:45 p.m.—Juan Alvarado, soloist: YV5RC
9 p.m.—Maurice Winnick's orchestra: GSF GSD
10:15 p.m.—Comrades circle the globe: DJB DJD
10:45 p.m.—DX Chatter Box: WBXWJ (41)

Friday, June 24

6:25 a.m.—Cricket: England vs Australia: GSF GSG GSJ (also at 7:30, 8:20 & 9:15 a.m.)
9:20 a.m.—Non-stop variety show: PHN
9:50 a.m.—Radio sketch: PHN
11:30 a.m.—Cricket: England vs. Australia: GSF GSG (also at 12:30 & 1:25 p.m.)
4 p.m.—Helen Just, violin: GSF GSD
5 p.m.—English news review: LSY (18.115) LRA (9.69)
7 p.m.—Play, "The Pied Piper of Hamelin": DJB DJD
7:45 p.m.—Symphonic concert: DJB DJD
8:15 p.m.—Concert orchestra: YV5RC
8:30 p.m.—Friends from overseas will play: DJB
8:45 p.m.—Guest night: 2R04 IRF
9 p.m.—The Egg hour: COCH (9.43)
10:20 p.m.—Take Your Choice: GSI GSD
11:05 p.m.—Frank Mannheimer, pianist: GSI
12:15 a.m.—DX Club: WEXK (6.14)

Saturday, June 25

7:30 a.m.—Cricket: England vs. Australia: GSF GSG GSJ (also at 8:20 & 9:15 a.m.)
8:15 a.m.—Dance music: ZKJ ZK
10:20 a.m.—Dance music: PHN
10:45 a.m.—Polo: The Champion Cup: GSF GSG
12:30 and 1:25 p.m.—Cricket: England vs. Australia: GSF GSG
2:30 p.m.—In Town Tonight: GSF GSG
3 p.m.—Palace of Varieties: GSF GSG
6 p.m.—Drama: DJB DJD
8:30 p.m.—Berlin Heimlich Schutz Circle: DJB
8:45 p.m.—Chamber music: 2R04 IRF
9 p.m.—The Hour of Costa Rica: TIPG (6.4)
9:30 p.m.—The Continentals: YV5RC
10 p.m.—Dance music: YV5RC
10:15 p.m.—Theme of Silent Passion: DJB DJD
10:20 p.m.—Rhythm Express: GSI GSD
11 p.m.—Opera: OAN42
12 Mid.—Northern Messenger: Messages to those in the Arctic: VESDVS

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of megacycles shown)			
CJBO, Canada	8.18	OLRSA, Canada	
CJRX, Cuba	11.77	OLRSA, Cuba	9.55
COCH, "	9.43	OLRSA, "	11.84
COCO, "	6.61	OLRSA, "	11.76
COCC, "	9.725	OLRSA, "	15.23
COGT, "	11.805	OLRSA, "	15.32
CWPA, Portugal	9.74	OZP, Denmark	3.32
CXA8, Uruguay	9.84	PCJ, Holland	9.48
DJB, Germany	15.20	PRB, "	11.775
DJC, "	9.82	PRB, Brazil	9.10
DJD, "	11.77	RAN, U.S.S.R.	9.00
DJL, "	15.13	RBL, "	15.88
EAAJX, Canada	10.37	RNL, "	12.00
EAG, Spain	8.835	RVL, "	4.22
EAB, "	9.49	RVB, "	8.00
EABR, Spanish	8.82	SPD, Poland	11.33
Mexico	14.05	SPW, "	12.94
EASAA, Tahiti	7.11	TEF, Ireland	19.83
ESAA, England	6.05	TIANHII, Costa Rica	
ESB, "	9.81	TRIA, "	9.025
ESC, "	9.88	TPA2, France	11.71
ESD, "	11.75	TPA3, "	11.88
ESF, "	15.14	TPA3, "	11.71
ESG, "	17.79	TPBT, "	11.85
ESI, "	21.47	VERDN, Canada	6.005
ESL, "	15.28	VHME, Australia	9.59
ESM, "	21.58	VKME, "	9.51
ESN, "	6.11	VLR, "	9.58
ESP, "	15.18	VPD, Fiji	9.54
ESP, "	15.21	VSPLD, St. Kitts	6.33
EAT4, Hungary	9.12	WUDR, India	9.58
EHI, Switzerland	14.525	WVDD, "	13.18
EHL, "	9.24	WIXAL, Boston, Mass.	
EMO, "	11.468	WZB, 11.78, 11.79	9.04
EMP, "	7.50	XEZL, Mexico, D.F.	6.12
ECIAL, Ecuador	6.64	XXXA, "	6.172
EJIAFB, Colombia	9.825	YFD, El Salvador	7.897
EPA, Panama	11.1	YVRC, Venezuela	8.97
EPA, "	9.60	ZBWS, China	8.995
ESPI, Siam, S.E.A.	19.82	ZKE, British	
IEF, Italy	9.83	Honduras	10.6
JDT, Kwanzung	9.885	ZNN, S. Africa	8.61
JZK, Japan	11.80	SML, S.S. Kamtschatka	6.01
JZK, Argentina	15.10	ZRO3, Italy	9.425
JKZ, " 9.46	ZRO5, "	11.81	

Short-wave programs of American stations are shown along with the regular listings beginning on page 29. These are indicated, for example, by (ex-JZK) in parentheses following a program listing. This means that an 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—11:35 a.m., JZK; 2:30, GSB, GSD, GSF, GSG; 8:45, JDY; 9:30, GSF, GSG, GSH, GSJ; 9:35, JZK; 12 noon, GSF, GSG, GSH, GSI; 1:20 p.m., GSB, GND, GSG; 3:10, TPA3; 5:15, GSH, GSF, GHO, GSP; 5:30, OLRSA or OLRA8; 5:45, EA9AH; 7, IHPA, 7:05, JZK, JZK, 8, EA9AH, HP54, RAN, RKI; 8:35, IRE, ZRO4, 8:40, GSB, GSD, GSP, EAH, 9, EA9AH; 9:15, DJB, DJD; 10:45, CJBO, CJRX, 11, TPB4; 11:30, DJB, DJD, GSB, GSC, GSD, GSI.

Daily Except Sundays—9:30 a.m., VK3LR; Mon., Tues., Thurs., Fri.—9:30 p.m., OLRSA or OLRSB.

Sunday, June 26

8 a.m.—Overseas hour (Eastern U. S. A.): JZK, JZK

8 a.m.—Friendly hour, TIANHII

9 a.m.—Variety program from Germany: DJL

9 a.m.—International church: COCQ

9:30 a.m.—First Anniversary of the KRD PHONI Transmissions: PHII

11:30 a.m.—Program from the Vatican: HVJ (15.12)

1 p.m.—Broadcast from St. Kitts: VP2LO (6.38)

5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese for Europe: W3XAL (17.78)

5:55 p.m.—Greetings to listeners: DJB, DAP

7 p.m.—Overseas program (Eastern North America): JZK, JZK

7 p.m.—Polish program in North America: NW (13.65), SEO (11.53)

7 p.m.—"La Voz de Las Provincias": COCH

7 p.m.—Cadena Cruescas network program: COCO

8 p.m.—El Salvadorian program: VSD

8 p.m.—"Brazil in the Air": PSII (10.22)

8 p.m.—Soviet program in North America: RAN, RKI

8:30 p.m.—English news from Italy: ZRO4, IRE

8:40 p.m.—Loyalist news from Madrid: EAR (9.458), EAQ

9 p.m.—Nationalist program for North America: Salamanca (10.37)

9:15 p.m.—English news from Germany: DJB

9:30 p.m.—North American broadcast from France: TPB7

9:30 p.m.—Spanish news bulletin from Daventry: GSB

9:30 p.m.—Oriental program from India: YUD3 (13.16)

9:45 p.m.—Portuguese news bulletin from Daventry: GSB

10 p.m.—Program from Miami, Florida: W4XB (6.04)

10:30 p.m.—Danish program for North America: OZF

11 p.m.—English news from France: TPB7, TPB4

11:30 p.m.—English news from Germany: DJB

12:45 a.m. (ex. Sat.)—Program from South Africa: ZRK

1:30 a.m.—Overseas hour (West Coast): JZK

2 a.m.—English DX period: NEUZ

Key to Symbols Used: *Daily; †Week Days: Monday, Wednesday, Friday; ‡Monday, Thursday; §§Monday, Tuesday, Thursday, Friday; ††Tuesday, Thursday, Saturday; §§Tuesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.

For EST and CDT subtract 1 hour; for CDT, 2 hours;
for MST, 3 hours; for PST, 4 hours

ON FRIDAY, July 1, at 8:30 a.m. EDT, King George VI, in the presence of Queen Elizabeth, and President Lebrun of France, will unveil the beautiful Australian War Memorial at Villers Bretonneux, France, the ceremony will be broadcast by Daventry stations GSF, GSG, GSJ, TPB3 (17.765) of France, and W3XAL (17.78), and the NBC network. Preparatory to the above event, the arrival of the King and Queen of England, in Paris, and their subsequent state drive through the streets of this city in the company of President and Madame Lebrun of France, will be described on Tuesday, June 28, at 11:40 a.m. EDT, over GSF, GSG, GSJ, TPB3 and W3XAL.

On Saturday, July 2, starting at 10 a.m. EDT, listeners to Daventry, England, stations GSF, GSG, and GSJ, will be able to hear commentaries on the Ladies' Singles Finals in the Tennis Championship Matches, at Wimbledon; the cricket match between Oxford and Cambridge, and the thrilling King's Cup Air Race.

SHORT-WAVE SHORTS: HVJ (15.12), "Radio Vaticano," Vatican City broadcasts daily from 11:30 to 11:45 a.m. EDT. In the following languages: Mondays, in Italian; Tuesdays in English; Wednesdays in Spanish; Thursdays in French; Fridays in German and Saturdays in Dutch. TAQ (15.105). Ankara, Turkey, was heard making initial tests, near 11:45 p.m. EDT, by a listener in Cuba. COCQ (9.725), Havana, is now using its full power of 5,000 watts. GSG (17.79), may soon be introduced into transmission VI, heard daily 10:20 p.m. to 12:20 a.m. EDT, from Daventry.

VP2LO (6.38) of Basseterre, St. Kitts, B. W. I., is once more issuing verification cards to those sending in reports accompanied by an international reply coupon.

Reports on reception of PJC2 (9.095) of Curacao, D. W. I., should be addressed to J. P. Curiel of Mondo Nubo 143, Willemstad, D. W. I., According to New Zealand amateur ZL2QL (14.194), 90% of the hams in that country are on 80 meters, 7% on 10 meters, and at present only 6 stations are allowed on the 20-meter band. ZL2QL has only worked three United States amateurs and welcomes reports from short-wave listeners.

Lyle Nelson of Portland, Oregon, writes that JVH (14.6)

of Nakati, Japan, is again broadcasting the Japanese baseball games early Sunday mornings from about 12:05 to 2 a.m. EDT, or later.

TIEMT may be the correct call letters for the new San Jose, Costa Rica, station on 10.04 megs, reported in this column last week as TIEM... 2RO6 (17.82), and 2RO5 (15.3), are low power experimental transmitters of the Rome Short-Wave Center that are being used irregularly for test purposes, prior to the inauguration near the end of this year of the new super-power Italian Imperial Short-Wave Center. YVIRL (5.83) of Maracaibo, Venezuela, is issuing unusual QSL cards with magenta colored call and slogan against a speckled blue background.

The identification signal for CXA8 (9.84) of Colonia, Uruguay, is almost identical in sound to the NBC chimes; that for LXR (9.66), Buenos

Aires, is a single note on a bugle, or auto horn.

On Monday, June 27, at 10:30 p.m. EDT, a special program dedicated to the state of Alabama, will be broadcast over Zeesen, Germany, stations DJB and DJD.

Robert Weber of West McHenry, Illinois, states that PK6XX (14.2 and 14.009) at Hollandia, Dutch New Guinea, first mentioned in last week's column, is with the Archbold Expedition. Although the aerial in use is a make-shift affair with one end tied in a coconut tree, the station is being well heard in the United States almost daily near 7:45 a.m. EDT. PK6XX also utilizes a commercial frequency of 11.355 megs, and there is a transmitter in their huge plane which broadcasts on 12.42 megs. Harold G. Ramm, W2BVB, amateur radio operator for the expedition states that no QSL cards are available as yet, but that reports can be sent direct to him at Hollandia, or to his home address, 161-07 Station Road, Flushing, L. I., New York, and they will be verified in due course of time.

M. W. Soplop of Alleghany, New York, writes that OZH (15.165), a new frequency for the Danish transmitter at Skamlebak, Denmark, is now in use experimentally on Sundays from 9 a.m. to 2:30 p.m. EDT.

Earl Roberts of Indianapolis, Indiana, one of the first to verify the new Panama station HP5G (11.78), "Ron Dalley," Apartado 1121, Panama City, reports that the daily schedule of operation is from 7 to 11 p.m. EDT. Announcements in English are made by a woman.

What kind of short-wave reception is possible in locations shielded by encircling mountain peaks, ranging in height from 13,000 to 14,200 feet? I hope to answer this question for you in next week's column, which I will compile in Estes Park Village, Colorado, (elevation 7,800 feet), in the heart of the Rockies.



The Australian War Memorial at Villers Bretonneux will be unveiled by H. M. George VI on July 1

Monday, June 27

7:30 a.m.—Second Cricket Test Match: England vs. Australia: GSF, GSG, GSJ, TPH3 (17.765), 9:15 a.m.

8:30 a.m.—Program from Hong Kong: W3XAL

8:30 a.m.—Chinese broadcast: HSFR (19.021)

9:35 a.m.—Service at the Sea: Address by Bishop of Canterbury: GSF, GNG, GSJ

11:20 a.m.—Second Cricket Test Match: England vs. Australia: GSF, GSG, GSJ, TPH3 (17.765), 1 p.m.

4:30 p.m. (ex. Sat.)—American News: Times W2XAD (15.33), W2XAL (9.53)

5:30 p.m.—Science news: WIXAL (11.79)

5:45 p.m. (ex. Sat.)—News to Portuguese in South America: W2XAL (11.83)

7:30 p.m.—Nineteenth news: WIXAL (11.79)

7:45 p.m.—Nineteenth news: WIXAL (11.79)

8:45 p.m.—Program by Business Women's Club, 2:30 p.m.

9 p.m.—Concordia Rosedale 1938 typical of Chester: GSF

10:30 p.m.—Special Broadcast for Alabama: DJB

11:50 p.m.—Special by Empire Artists: GSJ, GSD

Tuesday, June 28

9:30 a.m.—National Program in Celebration of the Birthday of Prince Bernhard: PHII

11:40 a.m.—State Drive by King George VI and Queen Elizabeth Through the Streets of Paris: GSF, GNG, GSJ, TPB3 (17.765), W3XAL (17.78), W2XAD (21.52)

12:30 p.m.—Second Cricket Test Match: England vs. Australia: GSF, GNG, GSJ, TPH3 (17.765), 1 p.m.

8:45 p.m.—Tuesday symphony: ZRO4, IRE

11:45 p.m.—Argentine music: GSF

11:45 p.m.—Program from Belize, British Honduras: ZIK2

2:45 p.m.—Program from Costa Rica: TIANHII

4:30 p.m.—Hillie's Happy Boys Dance Orchestra: YVSRC

8:30 p.m.—Gymnast National network: TCWA (9.685), TGQA (6.4), TG2 (6.21)

Wednesday, June 29

9:05 a.m.—Eugene Pini's orchestra: GSF, GSG

12:40 p.m.—"World Affairs," H. V. Hodson: GSF, GNG, GSJ

1:45 p.m.—Acts I and II of Mozart's Opera "The Marriage of Figaro," from the Festival Opera House: GSF, GSD

4:40 p.m.—Speedway International Meeting: GSF

5:50 p.m.—Act IV of Mozart's Opera "The Marriage of Figaro": GSF, GSD

7 p.m.—The Star: DJB, DJD

8:30 p.m.—North American hour from St. Kitts: VP2LO (6.38)

9:30 p.m.—Light music: ZRO4, IRE

10:45 p.m.—Opera, "Pagliacci," Leoncavallo: DJB

Thursday, June 30

7:05 a.m.—Nelson Elm, organ: GSF, GNG, GSJ

9:30 a.m.—Musical travel program: PHII

2:45 p.m.—All-England Lawn Tennis Club Championship Meeting: DJM, GSP

3:20 p.m.—Irish dance music: GSF, GSP

7 p.m.—Variety music: DJM, DJD

7:35 p.m.—Beyd Neel String Orchestra: GSF

8 p.m.—Orchestra Musette: LXR

9 p.m.—G. T. Patterson, organ: GSF, GSD

9:15 p.m.—"The Life and Works of Andrea Mantegna": ZRO4, IRE

10:45 p.m.—DX Chatter Box: W3XAL (41)

Friday, July 1

8:30 a.m.—The Unveiling of the Australian War Memorial at Villers Bretonneux, France, by King George VI: GSF, GNG, GSF, TPB3 (17.765), W3XAL (17.78), W2XAD (21.52)

9:10 a.m.—Musical review: PHII

4 p.m.—Talk by Empire Service Director: GSJ

5 p.m.—English news review: LSY (18.115), LRA (9.69)

6:20 p.m.—At the Black Dog: GSF, GNG, GSP

7:20 p.m.—Talk by the High Commissioner for Canada in London: GSF, GSD

8:15 p.m.—Cottage orchestra: YVSRC

8:30 p.m.—Music of all countries: W2XAL (9.55)

9 p.m.—The Last Hour: COCH (9.43)

9:15 p.m.—Amy Bernatoff: ZRO4, IRE

10 p.m.—Program from Latin America: WIXAL (11.79)

12:15 a.m.—DX Club: W3XAL (6.14)

Saturday, July 2

8:40 a.m.—PHONI Variety Ensemble: PHII

10 a.m.—Commentaries: All-England Lawn Tennis Club Championship Meeting; Ladies' Singles Finals at Wimbledon; Cricket; Oxford vs. Cambridge; The King's Cup Air Race; GSF, GNG, GSJ

12:45 p.m.—Cricket, Oxford vs. Cambridge: GSF, GNG, GSJ

2:30 p.m.—In Town Tonight: GSF, GNG

3 p.m.—Music Hall: GSF, GNG

7:30 p.m.—All-England Lawn Tennis Club Championship Meeting: Ladies' Singles Finals at Wimbledon: GSF, GSD

8:30 p.m.—Harry Racy's Band: CXAB (19.54)

9 p.m.—The Hour of Coca-Cola: ZPG (6.41)

9:30 p.m.—The Continentals: YVSRC

10 p.m.—Dance music: YVSRC

10:30 p.m.—Theater Ensemble: GSF, GSD

11 p.m.—Opera: DANAI

12 Mid.—Southern Messenger: Messages to those in the Arctic: YVSRC

Megacycles or thousands of megacycles shown.

CIRG, Canada	8.15	OLRSA, Czechoslovakia	9.40
CJEX, Cuba	11.72	slovakia	11.85
COCH	9.42	OLRAS	"
COGO	6.61	OLRAB	11.78
COGS	9.72	OLRMA	15.20
CPW, Portugal	11.86	OLRSB	15.82
CRAS, Uruguay	9.74	OZP, Denmark	9.82
DAB, Germany	9.64	PCB, Holland	9.38
DPU	10.20	PHL	17.77
DJD	9.69	PRF, Brazil	9.20
DRL	11.77	RAS, U.S.S.R.	9.60
EAJA, Canaries	10.27	RXL	15.86
FAQ, Spain	9.55	RWE	12.80
KAH	9.49	RTSD	6.20
ESAN, Spanish Morocco	10.66	SPD, Poland	11.42
ESAN, Tahiti	7.11	SPW, Iceland	12.22
GSA, England	6.09	Ria	9.495
GSC	9.81	TPA, France	15.21
GSD	9.58	TPA	11.58
GSE	11.76	TPA	"
GSO	15.14	TPD	11.825
GSH	17.79	VEDDN, Canada	8.005
GSI	21.47	VXSM, Australia	9.50
GSL	15.26	VXME	9.51
GSL	21.58	VLR	9.52
GSL	6.11	VPA, Peru	9.54
GSO	15.38	VPSLO, St. Kitts	9.55
GSP	10.21	VUDS, India	9.59
HATA, Hungary	9.12	VUDS	15.18
HBL, Switzerland	14.525	W1XAL, Boston, Mass.	
HBL	9.34	15.25, 11.78 and 6.04	
HBO	11.408	XEUZ, Mexico, D.F.	6.12
HDP	7.10	XEXA	6.172
HICRL, Ecuador	6.69	YSD, El Salvador	7.191
HJABP, Colombia	9.819	YVSRC, Venezuela	8.87
HPBA, Panama	11.7	ZBWD, China	9.385
HPBZ	7.00	ZMR, British	
HSAFP, Siam, #31	10.00	Zonders	10.6
IHF, Italy	9.53	ZRK, S. Africa	9.61
IDT, Kwantung	9.603	ZWL, S.S. Kasmir	10.01
JZK, Japan	11.80	ZHOL, Italy	9.622
JZK	10.12	ZRQ, France	11.81
LBN, Argentina	9.06		

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. These are indicated, for example, by (ex. 11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m., JZK; 2:50, GSB, GSD, GSF, GSC, GSO, 2:45, JDF; 9:30, GSB, GSD, GSI, GSI; 9:55, JZK; 12 noon, GSB, GSD, GSI; 1:20 p.m., GSB, GSD, GSC; 3:10, TPA; 5:15, GSB, GSC, GSD, GSF; 5:30, OLRSA = OLRAB; 5:45, EAPAH, 7, HPSJ, 7.05, JZK, JZK, 8, EAPM, HPSJ, RAN, RKL; 8:35, IIF, ZHO4, 8:40, GSB, GSC, GSD, GNP, RAN, 9, EAJA; 9:15, DJB, DJD, 10:45, CJED, CJBX; 11, TPA4, 11:30, DJB, DJD, GSB, GSC, GSD, GSI

Daily Except Sundays—9:20 a.m., VKELB.

Mon., Tues., Thurs., Fri.—9:50 p.m., OLRSA or OLRSB

Sunday, July 3

8 a.m.—Overseas hour (Eastern U.S.A.); JZK, JZK

8 a.m.—Friendly hour: T14NIII

9 a.m.—Variety program from Germany: DJL

9 a.m.—International church: COCQ

9 a.m.—Overseas hour (South Seas); JZK

11:30 a.m.—Procession from the Vatican: HVJ (15.12)

2:40 p.m.—Iceland hour: TPF

5 p.m.—Broadcast from St. Kitts: VP2L0 (6.35)

5:15 p.m. (ex. Sat. & Sun.)—News, in Portuguese, for Europe: W3XAL (17.78)

5:55 p.m.—Greetings to listeners: DJB, DJD

7 p.m.—Overseas program (Eastern South America): JZK, JZK

7 p.m.—Polish program for North America: SPW, ZPD

7 p.m.—La Voz de Las Provincias: COCH

7 p.m.—Cadena Cristera network program: COCH

7:45 p.m.—News in Portuguese: W3XAL (17.78)

8 p.m.—El Salvadorian program: YSD

8 p.m.—Brazil on the Air: PSH (10.22)

8 p.m.—Soviet program for North America: HAN, EKI

8:30 p.m.—English news from Italy: ZHO4, IIF

8:40 p.m.—London news from Madrid: EAK (19.485), EAO

9 p.m.—Nationalist program from North America: Salamanca (10.37)

9:15 p.m.—English news: DJB, DJD

9:30 p.m.—North American broadcast from France: TPA?

9:30 p.m.—Spanish news: GSB

9:30 p.m.—Oriental program from India: VUDS (15.15)

9:45 p.m.—Portuguese news: GSB

10 p.m.—Program from Miami, Florida: W4XB (16.04)

10 p.m.—Friendship hour: HC2BZ, 18.54; HC1AB (14.42)

10:30 p.m.—Danish program for North America: OZV

11 p.m.—English news: TPF, TPA

11:30 p.m.—English news: DJB, DJD

12:45 a.m. (ex. Sat.)—Program from South Africa: ZRK

1:30 a.m.—Overseas hour (West Coast); JZK

2 a.m.—English DX period: XEUX

Key to Symbols Used: *Daily; †Week Days;
Monday, Wednesday, Friday; #Monday, Thursday;
\$Monday, Tuesday, Thursday, Friday;
\$Tuesday, Thursday, Saturday, \$ETuesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times Indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

FOR the past several days I have been making a study of the effect of high altitudes and mountainous country on radio reception in general and on short-wave reception in particular. My temporary headquarters are at the beautiful Lewiston Hotel which, 7,800 feet above sea-level, is perched on a picturesque cliff 300 feet above the foaming waters of Fall River and just on the outskirts of Estes Park Village, Colorado, which has been dubbed the Shangri-La of the Rockies, and is the eastern gateway to Rocky Mountain National Park—including sixty-five named peaks more than 10,000 feet high.

Daylight broadcast-band reception during the summer months is practically limited to the Denver stations due not only to the screening effect of the mountains but to the almost continuous static. At nights and in the winter, reception is somewhat improved. On the other hand, short-wave reception is quite fair here, and is, in fact, not only more enjoyable than broadcast-band reception due to the almost complete absence of static, but provides, through such stations as W3XAL, W2XAD and W2XE, the only possible program service from the East, which is not carried on the local stations. England, Germany and other foreign countries come through with marked clarity and volume. It is reported that high-frequency reception on that superb section of Trail Ridge Road, which runs for more than five miles at an average elevation of more than 12,000 feet, is exceptional in its crystal clarity.

At a recent gathering of National Park Service officials, I was privileged to listen in on some of the most thrilling possible stories concerning the role that short-wave communications have played in our national parks. Permission to relate some of these true stories, as well as to reproduce some rare photographs, has been granted to *Radio Guide*, and I hope to give you this material from time to time in ensuing issues.

According to the National Radio Club, RCA proposes to erect at Alpine, N. J., a 50,000-watt ultra-high-frequency transmitter which, operating on frequencies between 41.02 and 43.98 megs, would supply high fidelity and interference-free programs for the cities of New Jersey and New York.

Ashley Walcott of San Francisco, Calif., furnishes me with the latest information concerning the short-wave stations in Asia and Oceania as follows: The Chinese Government Radio Administration has again got its internal telephone service in working order. Hankow uses XTJ (11.7) or XTK (9.08) to phone Canton and Swatow, daily from 5:30 to 9 a.m. EDT. The Canton station, which operates on 9.485 megs, uses the call XTV when in communication with Hankow, and the call XRB when phoning San Francisco, at 10:15 a.m. EDT. Swatow uses either XTS on 11.44, or XTR on 9.4 megs. There are two new Japanese ship-to-shore telephone circuits for ships working on 6.65 megs. One is at Kobe, on about 8.35 megs, the other at Moji, on 6.17 megs. These are heard from 6 to 9 a.m. EDT. The new stations ZHO and ZHP, located at Singapore, apparently are not on any kind of a regular schedule. ZHP has been heard once or twice testing in the early mornings on a frequency of 9.53 megs, being heard with greatest signal strength near 10:30 a.m. EDT, but announcing merely, "This is the Singapore station testing on a frequency of 9.53 megacycles." ZHO has not been heard at all. For an output of forty-nine watts, little ZHJ of Penang, F. M. S., puts in a remarkably strong signal, week-days from 7:40 to 9:40 a.m. EDT. The present frequency is 8.057 megs, just a few kilocycles below W8XAL, Cincinnati, O. YDB of Soerabia, Java, is coming through on 15.3 megs daily from approximately 8:30 p.m. to 2 a.m. EDT. The signal is not only strong, but the "Hier is de NI-ROM te Batavia" is unmistakable.



On Thursday at 7:30 p.m. EDT the German Short-Wave Stations will take their listeners on a conducted tour of the City of Hamburg

Monday, July 4

7:45 a.m.—Folk songs of Canada: GSF, GSG, GSJ
8:15 a.m.—Program from Hong Kong: ZBWB
8:30 a.m.—Siamese broadcast: HSPP (19.02)
10 a.m.—Margate Municipal Orchestra: GSF, GSG
10:45 a.m.—Polo; India vs. The World: GSG, GSJ
2 p.m.—Annes Wines' "Bungalow Club": GSG
3 p.m.—Sulgrave Manor and Mount Vernon: GSG, GSJ, WZKE (15.27)
4 p.m.—Around the Dials: WIXX (9.57)
5 p.m. (ex. Sat.)—American news: W2XAD (15.33), W2XAF (9.53)
5:35 p.m.—Cricket: Yorkshire vs. Australia: GSG
6 p.m.—Science news: WIAAL (11.79)
6:45 p.m.—News in Portuguese for South America: W2XE (11.83)
7 p.m.—Monitor news: WIXAL (11.79)
7:45 p.m.—Variety program from Switzerland: HBO, HB

Tuesday, July 5

7:15 a.m.—Play, "Atmospheres": GSF, GSG, GSJ
9:10 a.m.—"Cowboy Songs" concert: PHII
12:45 p.m.—Cricket: Oxford vs. Cambridge: GSF
2:30 p.m.—BBC Midland Orchestra: GSG, GSJ
5:35 p.m.—Cricket: Yorkshire vs. Australia: GSG
6:40 p.m.—Men Who Made the Shows: GSG, GSJ
7:20 p.m.—Topics of the Day: GSG, GSJ
8:45 p.m.—Tuesday Symphonies: ZHO4, IIF
11 p.m.—Gavilan and Cartaneo guitar duet: CGDF
11:45 p.m.—Program from Belize: British Home Service: ZHK2
11:50 p.m.—Program from Costa Rica: T14NIII
11:50 p.m.—Billie's Happy Boys Dance Orchestra: YY5HC
2:11 p.m.—Guatemalan National network hour: TGWA (9.685), TGZ (6.4), TG2 (6.21)

Wednesday, July 6

8 a.m.—"World Affairs," A. P. Newton: GSF
11:15 a.m.—Take Your Choice: GSF, GSG, GSJ
4 p.m.—Coventry Festival Serenade Concert: Birmingham Philharmonic String Orchestra: GSG, GSJ
7:45 p.m.—Modern Radio Course: WIXAL (6.04)
8 p.m.—Budapest program: HAT4
8:15 p.m.—North American program from Holland: PCJ (9.59)
8:30 p.m.—North American hour: Iron St. Kitts: VP2LO (6.38)
9:30 p.m.—Light music: ZHO4, IIF
11:50 p.m.—Non-stop variety: GSG, GSJ

Thursday, July 7

9 a.m.—Open Golf Championship: GSF, GSG, GSJ
9:30 a.m.—Music from "De Cabaret Prins": PHII
11:50 a.m.—Open Golf Championship: GSF, GSG
1:40 p.m.—Huf Finch, organ: GSG, GSJ
5:50 p.m.—"Food for Thought": GSF, GSG
7:30 p.m.—Hamburg, the Gateway in the World: DJB, DJD
8 p.m.—Orchestra Musette: LBR
9 p.m.—Jack Jackson's Band: GSG, GSJ
10:40 p.m.—Musical play: GSD, GSJ
10:45 p.m.—DX Chaser Box: WENWJ (41)

Friday, July 8

6:25 a.m.—Cricket: Australia vs. England: GSF, GSG, GSJ (also at 7:30, 8:20 & 9:15 a.m.)
8:35 a.m.—Open Golf Championship: GSF, GSG
8:50 a.m.—Music from "La Boheme": PHII
11:50 a.m.—Open Golf Championship: GSF, GSG
12:30 p.m.—Cricket: England vs. Australia: GSF, GSG
4 p.m.—Arctic Rescue: GSG, GSJ
5 p.m.—English news review: LSY (18.115), LRA (9.69)
5:50 p.m.—Hans Marshall Stein Orchestra: GSG
7:20 p.m.—Talk, "Sporting Rivalry": GSG, GSJ
8:15 p.m.—Concert orchestra: YY5RC
8:45 p.m.—Guest night: ZHO4, IIF
9 p.m.—Fox Hour: COCH (9.43)
9:15 p.m.—Amy Bernardi: ZHO4, IIF
10 p.m.—Program for Latin America: WIXAL (11.79)
12:15 a.m.—DX Club: W8XK (6.14)

Saturday, July 9

7:30 a.m.—Cricket: England vs. Australia: GSF, GSG, GSJ (also 8:20 & 9:15 a.m.)
10 a.m.—John Payne's Near Cherns: GSF, GSG, GSJ
12:30 p.m.—Kirkaldy Fawcett, organ: GSG, GSJ
4 p.m.—Swimming: A Commentary on the International Speed Contest: GSG, GSJ
4:30 p.m.—Student's songs: GSG, GSJ
6 p.m.—Tourist hour: HPSA
8:20 p.m.—Play, "Atmospheres": GSG, GSJ
8:30 p.m.—Harry Ray & Band: CNX8
8:45 p.m.—Chamber music: ZHO4, IIF
9 p.m.—Hour of Costa Rica: TIPG (6.41)
9:45 p.m.—Alfred Caspelli, violinist: GSG, GSJ
9:30 p.m.—The Continentals: YY5RC
10 p.m.—Dance music: YY5RC
10:30 p.m.—Saturday Night Variety: GSD, GSJ
11 p.m.—Opera: QAXU
12 Mid.—Northern Messenger: Messages to those in the Arctic: VE9DX

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of megacycles shown)

CIRG, Canada	8.13	OLRJA, Czechoslovakia	9.31
CJRK, Cuba	11.72	"	11.81
COCH.	9.43	OLRJA, "	11.81
COCO	6.01	OLRJA, "	11.76
COOG	9.78	OLRJA, "	11.22
COOF	11.89	OLRJA, "	11.32
CSW, Portugal	8.74	OZP, Denmark	9.42
CAE, Uruguay	9.84	PCJ, Holland	8.59 (11.22)
DJB, Germany	11.20	PHI, "	11.72
DJC	8.02	PRPS, Brazil	9.50
DJE	11.77	RAN, U.S.R.	9.80
DJL	11.11	RKI, "	11.08
EAE43, Canarias	10.35	RNE, "	12.00
EAQ, Spain	9.83	RVS, "	6.00
EAN	5.49	SFD, Poland	11.32
EATAM, Spain	11.02	TPW, "	11.81
Marcos	14.02	TFI, Iceland	12.22
FOSSA, Tahiti	7.11	TINNE, Costa Rica	9.49
GSA, England	8.03	KBS, Korea	9.49
GSE	9.81	TPAS, France	11.21
GSC	9.58	TPAS, "	11.21
GSD	11.75	TPAS, "	11.71
GSP	11.16	TPET, "	11.80
GSO	11.79	VEISON, Canada	8.00
GPI	21.47	WEIME, Australia	1.38
GSI	11.38	WEOME, "	9.51
GSJ	21.88	WIB, "	9.58
GSL	6.11	WPDE, Fiji	9.54
GSO	11.18	WPLO, St. Louis	9.28
GSE	11.31	WUDG, India	9.38
HAT, Hungary	9.12	WUDG, "	11.18
HBI, Switzerland	14.63	WIXAL, Boston, Mass.	9.34
HBL	9.34	15.25, 11.78, 8.04	
HBO	11.62	XEUX, Mexico, D.F.	8.12
HBP	7.86	XEYA, "	8.12
HCNRL, Ecuador	6.06	VSD, El Salvador	7.89
HJIAABP, Colombia	9.61	YVRC, Venezuela	4.87
HPSA, Panama	11.7	ZEWL, China	9.12
HPSJ,	8.40	ZILK, British	
HSPJ, Siam, R.11.	10.02	Manitoba	10.4
IRF, Italy	8.83	ZERK, So. Africa	9.61
IDY, Kwantung	9.02	ZWL, S.S. Kazimhia	6.01
IIZ, Japan	11.86	ZBOS, Italy	8.63
JZK	11.16	ZBOS, "	11.81
LXK, Argentina	8.66		

Short-wave programs of American stations are shown along with the regular listings beginning on page 26. These are indicated, for example, by (ex. Sat. 11.81) in parentheses following a program listing. This means that on 11.81 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Early—1:35 a.m., JZK; 2:50, GSB, GND, GSF, GSG, GSO, 8:45, JDY; 9:30, GSF, GSG, GSH, GSD; 9:55, JZK; 12 noon, GSO, GSG, GSH, GSD; 1:20 p.m., GSO, GSD, GSI; 3:10, TPAJ; 5:15, GSO, GSF, GSG, GSO; 5:30, OLRA, GLH4B; 5:45, EAE43, T, HP5A, 7:05, JZK, JZK, R, EA9AH, HPSJ, RAX, RKI; 8:35, IRF, ZBOS; 8:40, LSR, GNG, GSE, GSP, GSO, EAR; 9, EA9AH; 9:15, DJR, DJD; 10:45, CJHO, CJRK, R, TPAJ; 11:30, DJR, DJD, GSR, GCF, GND, GSI.

Daily Except Sundays—9:20 a.m., VK3LR.

Mon., Tues., Thurs., Fri.—9:50 p.m., OLRA, or OLRA.

Sunday, July 10

7:8 a.m.—Overseas hour (Eastern U.S.A.); JZK

7:8 a.m.—Friendly hour: TINREH

7:9 a.m.—Variety program from Germany: DJL

7:9 a.m.—International church: COHQ

7:9 a.m.—Overseas hour (South Seas); JZK

7:11:30 a.m.—Program from the Vatican: HVJ (15.12)

7:5 p.m.—Broadcast from St. Kitts: WP2LO (6.38)

7:5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese: WIXAL (17.78)

7:5 p.m.—Cuban organ music: COCO

7:7 p.m.—Overseas program (Eastern North America): JZK, JZK

7:7 p.m.—Polish program (North America): SPW

7:7 p.m.—La Vo de Las Provincias: COCH

7:7 p.m.—Latin American network program: COCH

7:7:30 p.m.—Spanish news: WIXAL (17.78)

7:7:45 p.m.—Spanish news service: W2XE (11.53)

7:7:45 p.m.—News in Portuguese: WIXAL (17.78)

7:8 p.m.—El Salvadorian program: YSP

7:8 p.m.—Brazil in the Air: PSH (10.22)

7:8 p.m.—Soviet program (North America): RAN, RKI

8:15 p.m.—Program from Spanish Morocco: EA9AH

8:30 p.m.—English news: ZBOS, IRF

8:40 p.m.—Loyalist news: EA9H (9.48) EAQ

7:9 p.m.—Nationalist program (North America): Salamanca (10.37)

7:9:15 p.m.—English news: DJB, DJD

7:9:30 p.m.—North American broadcast: TPB7

7:9:30 p.m.—Spanish news: GSB

7:9:30 p.m.—Oriental program: VLB3 (15.16)

7:9:45 p.m.—Portuguese news: GSB

7:10 p.m.—Program from Miami, Florida: W4XR (6.04)

7:10 p.m.—Friendship hour: HCJB2 (8.84) HCJB (14.42)

7:10:30 p.m.—Spanish program: OZP

7:11 p.m.—English news: TPB7, TPAJ

7:11:30 p.m.—English news: DJB, DJD

7:12:45 a.m. (ex. Sat.)—Program from South Africa: ZERK

7:130 a.m.—Overseas hour (West Coast); JZK

7:2 a.m.—English DX program: NEUZ

Key to Symbols Used: *Daily; #Week Days;
†Monday, Wednesday, Friday; §Monday, Thursday;
||Monday, Tuesday, Thursday, Friday;
|||Tuesday, Thursday, Saturday; §§Tuesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.

For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

THROUGH the cooperation of the Canadian Broadcasting Corporation, a sound picture of the new company has been placed in the hands of Charles E. Kellman, formerly director of VP3BG, who furnished me much of the scoop information concerning the Terry-Holden Expedition . . . The British Broadcasting Corporation has a very interesting booklet giving numerous pictures and articles about the Daventry short-wave stations which it will send to listeners reporting on Daventry programs. Ask for your copy . . . John DeMyer of Lansing, Mich., is one of the first listeners ever to receive a confirmation of reception direct from TDE (10.065) at Hsinking, Manchoukuo. Accompanying the letter were eight modernistic and highly colored picture postal cards each one complete with red and green ribbons. Mr. DeMyer is still hearing PKGXX (14.196), basecamp station of the Archbold Expedition of the American Museum of Natural History at Hollandia, New Guinea, almost daily . . . Ultra-high frequency station W2XOY (41), owned by the General Electric Company, and located atop the State Office Building in Albany, N. Y., is being heard in Calif., despite the fact that the transmitter is designed to give reception up to distances of thirty miles only. Programs are broadcast three times weekly on Mondays, Wednesdays and Fridays from 8 to 9 p.m. EDT and Saturdays at 3 to 5 p.m. EDT.

According to the Chicago Short Wave Radio Club, Cia. Radio International do Brasil, Caixa Postal 709, Rio de Janeiro, Brazil, gives the schedule of their short-wave stations as follows: PSH (10.22), Mondays, Wednesdays, Thursdays and Saturdays 7 to 8 p.m. EDT, Tuesdays 7 to 8 p.m. EDT and Fridays 7 to 8:30 p.m. EDT; PSA (21.08), Fridays 1:50 to 2 p.m. EDT and on the first Thursday of each month, from 12:20 to 1 p.m. EDT, with programs directed to Italy and PSE (14.035), Saturdays 4 to 4:30 p.m. EDT, with programs in French, and on Wednesdays 5 to 5:10 p.m. EDT and on the 23rd of each month from 5 to 5:30 p.m. EDT, with programs in German.

SHORT-WAVE SHORTS. The British Guiana United Broadcasting Company, Ltd., has acquired complete control of the two Georgetown

short-wave stations, namely VP3MII and VP3BG. The management of the new company has been placed in the hands of Charles E. Kellman, formerly director of VP3BG, who furnished me much of the scoop information concerning the Terry-Holden Expedition . . . The British Broadcasting Corporation has a very interesting booklet giving numerous pictures and articles about the Daventry short-wave stations which it will send to listeners reporting on Daventry programs. Ask for your copy . . . John DeMyer of Lansing, Mich., is one of the first listeners ever to receive a confirmation of reception direct from TDE (10.065) at Hsinking, Manchoukuo. Accompanying the letter were eight modernistic and highly colored picture postal cards each one complete with red and green ribbons. Mr. DeMyer is still hearing PKGXX (14.196), basecamp station of the Archbold Expedition of the American Museum of Natural History at Hollandia, New Guinea, almost daily . . . Ultra-high frequency station W2XOY (41), owned by the General Electric Company, and located atop the State Office Building in Albany, N. Y., is being heard in Calif., despite the fact that the transmitter is designed to give reception up to distances of thirty miles only. Programs are broadcast three times weekly on Mondays, Wednesdays and Fridays from 8 to 9 p.m. EDT and Saturdays at 3 to 5 p.m. EDT.

Ashley Walcott of San Francisco, Calif., reports that the Philippine Long Distance Telephone Company has acquired a new Manila transmitter and now has two circuits on the air simultaneously between 4 and 10 a.m. EDT. KZGF of Manila operates on frequencies of 5.465, 6.79 and 7.41 megs to phone Cebu and Ililo, and on 6.46 and 7.855 megs, to phone a new station KZDB at Cattsiano. KZGH, Ililo, operates on either 5.445 or 6.785 megs, and KZDB, Cattsiano, operates on the frequencies of 6.86, and 7.86 megs.



J. A. Camacho is Spanish announcer for BBC's Foreign Language Service, heard nightly over the Daventry Stations at 9:30 p.m. EDT

Monday, July 11

7:30 a.m.—Third Cricket Test Match: England vs. Australia: GSF, GSG, GSF radio at 8:20 & 9:15 a.m.

8:9 a.m.—Program from Hong Kong: ZBWS

8:9 a.m.—Chinese broadcast: H-201 (19.02)

12:30 p.m.—Third Cricket Test Match: England vs. Australia: GSF, GSG, GSF radio at 1:25 p.m.

1:15 p.m. (ex. Sat.)—American news: W2XAF (15.33) W2XAF (9.53)

1:6 p.m.—Science news: WIXAF (11.79)

1:6:45 p.m. (ex. Sat.)—News in Portuguese for South America: W2XE (11.81)

1:7 p.m.—Monitor news: WIXAF (11.79)

1:7:45 p.m.—Various programs from Switzerland: HBW, HBW

1:7:50 p.m.—Portuguese music: W2XAF (9.53)

1:7:55 p.m.—North American broadcast from Prague, Czechoslovakia: OLH5A of OH-K5B

8:30 p.m.—An Upper Bavarian evening: DJB

8:9 p.m.—Concert: Neptunfest 1938 repeat orchestra: CMO

9:45 p.m.—2001's next big: ZBOS, IRF

10:15 p.m.—German Study Club: DJB, DJD

11 p.m.—Mass Finale: Lucia, piano: DJB

Tuesday, July 12

7:30 a.m.—Third Cricket Test Match: England vs. Australia: GSF, GSG, GSF radio at 8:20 & 9:15 a.m.

12:30 p.m.—Third Cricket Test Match: England vs. Australia: GSF, GSG, GSF radio at 1:25 p.m.

3 p.m.—"Calgary Stampede," relayed from Canada: GSF, GSI

3:30 p.m.—Visit to Concert Parties, Military Bands, and All of the Amusements at Yarmouth: GSF, GSI

8:30 p.m.—Summer values: DJB, DJD

8:45 p.m.—Argentine music: COGF

9:45 p.m.—The Leipzig Fair: DJB, DJD

10:45 p.m.—Program from Berlin, British Embassy: ZK2

11:10 p.m.—Program from Costa Rica: THVIII

11:10:30 p.m.—Willie's Happy Boys Dance Orchestra: VVSIC

11:11 p.m.—Cuzco-National network news: TGWA (9.68) TGQA (6.4) TG2 (6.71)

Wednesday, July 13

8 a.m.—"World Affairs," H. Wickham Steed: GSF, GSG, GSI

8:15 a.m.—Cricket: Gentlemen vs. Players: GSF

2 p.m.—Scenes from "The Black Eye": GSF, GSI

4 p.m.—Henry Hall's Orchestra: GSF, GSI

6 p.m.—Preparations for the great festivity: DJB, DJD

8 p.m.—Budapest program: HAT4

8:15 p.m.—South American program from Holland: PCJ (9.59)

9 p.m.—Trousse's Mandolines: GSF, GSP

10:15 p.m.—Merry dancing: DJB, DJD

Thursday, July 14

8:15 a.m.—Cricket: Gentlemen vs. Players: GSF

10:15 a.m.—Musical journey through Europe: GSF, GSG, GSI

2:30 p.m.—Carroll Gibbons' orchestra: GSF, GSI

5:30 p.m.—Science lesson: W2XAF (9.53) W2XAD (15.33)

6 p.m.—Music from the German Balkan Coast: DJB, DJD

8:30 p.m.—Play, "The Seafarer": DJB, DJD

9:30 p.m.—Experience of the Evolution: DJB

10:30 p.m.—Eva Pressen concert: DJB, DJD

10:45 p.m.—DX Chatter Box: WEXWJ (41)

Friday, July 15

7:45 a.m.—Cricket: Gentlemen vs. Players: GSF

8:15 a.m.—Friday Midday (music): GSF, GSG

9:25 a.m.—Quick songs and music: PHB

4 p.m.—Fall of an Empire: GSF, GSI

5 p.m.—English news review: LSY (15.15) ERA (9.69)

5:35 p.m.—Montane Breezes—orchestra: GSF

7 p.m.—Illustrated scenes and dances: DJB, DJD

7:20 p.m.—Oxford and Cambridge Boat Race: GSF, GSI

8:45 p.m.—Guest night: ZBOS, IRF

9 p.m.—Eve Hour: VCH (9.43)

11:25 p.m.—Technical tips for the radio fan: DJB, DJD

11:50 p.m.—One rental: GSF, GSP

12:15 a.m.—DX Club: WBXX (6.14)

Saturday, July 16

9 a.m.—Film music: PHB

9:30 a.m.—Talk on Grec: PHB

10:15 a.m.—The King's Prize: A Commentary on the Final Stages of the Competition for the King's Cup, from Bisley: GSF, GSG, GSI

10:45 a.m.—Village Cricket Match: GSF, GSG, GSI

11:20 a.m.—The A. A. A. Championships: GSF

2:30 p.m.—Isidor Braviller's string sextet: GSF

3 p.m.—Play, "The Invisible Man": GSF, GSI

5:40 p.m.—Cricket: Nottinghamshire vs. Australia: GSF, GSI

7 p.m.—Radio Cabaret: DJB, DJD

7:40 p.m.—Moorish orchestra: GSF, GSP

8:30 p.m.—Harry Roy's band: CXAB (9.64)

9 p.m.—Hour at Costa Rica: TIPG (6.41)

9:30 p.m.—Continents: VVSIC

10:15 p.m.—Merry dancing: DJB, DJD

10:30 p.m.—Saturday Night Show: GSF, GSI

12 Mid.—Northern Messenger: Messages to those in the Arctic: VF9DN

**Log of Short-Wave Stations
Whose Programs Are Listed**

(Megacycles or thousands of kilocycles shown)		
120, Canada	4.15	OLSEA, Quebec
CPRX, Cuba	11.72	OLSEA, Cuba
COCH, " "	9.62	OLSEA, " "
COCO, " "	6.01	OLSEA, " "
CCQ, " "	9.22	OLSEA, " "
COOF, " "	11.90	OLSEA, " "
CPW, Portugal	9.18	OEF, Denmark
CAAS, Uruguay	9.61	PCJ, Holland
DJB, Germany	15.20	PHT
DJC, " "	6.03	PRB, Brazil
DJD, " "	11.72	RAN, U.S.S.R.
DJL, " "	15.12	RHI, " "
EAJR, Canaries	16.37	RKE, " "
EAQ, Spain	9.83	RV39
EAR, " "	9.49	SPD, Poland
EAVV, Spanish Mexico	14.05	SPW, " "
ESOAA, Tahiti	1.11	TIPSRH, Costa Rica
ESA, England	6.05	Zira, " "
ESP, " "	9.57	TPA2, France
GSC, " "	9.58	TPA2, " "
GSD, " "	11.72	TPA2, " "
GSE, " "	15.14	TPBT
GSO, " "	17.72	VIFDN, Canada
GSH, " "	21.47	VSFME, Australia
GSI, " "	15.36	VEKME, " "
GJZ, " "	21.52	VLR, " "
GSL, " "	6.11	VFD2, Fiji
GSO, " "	18.18	VP2IO, St. Kitts
GSP, " "	15.31	VP2UD, India
HAT, Hungary	9.12	VPUD, " "
HBI, Switzerland	14.52	WIXAL, Boston, Mass.
HBL, " "	9.34	18.20, 11.78, 8.84
HBO, " "	11.40	XEUX, Mexico, D.F.
HBP, " "	7.40	XIXA
HCIRL, Ecuador	6.66	YRD, El Salvador
HJABP, Colombia	9.618	YVIRC, Venezuela
HPSA, Panama	11.7	ZBWA, China
HPSJ, El Salvador	9.62	ZIKR, British
HPSJ, El Salvador	19.62	Zonduras
IRE, Italy	8.83	ZRK, So. Africa
JDY, Kwantung	9.925	ZVI, S. S. Kamtschatka
JZK, Japan	11.40	ZR03, Italy
JZK, " "	15.16	ZS04, " "
JZK, Argentina	9.86	ZUZ, " "

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. These are indicated for example by (16-125) in parentheses following a program listing. This means that on 11.125 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m.	JZK	7:50, GSH, GSD, GSF, GSM, GSO; 8:45, JDY, 9:30, GSF, GSG, GSI, GJZ, 9:55, JZK; 12 noon, GSF, GSG, GSH, GSI, 1:20 p.m., GSH, GSD, GSI; 3:10, TPA2, 5:15, GSH, GSI, GSD, GSG, GSP; 5:30, M, HMA or OLHAD; 5:45, EAVV, 7, HPSA, 7:05, JZK, JZK, 8, EAJR, HPSJ, RAN, RHI, 8:35, IRF, 2004, 8:40, GSH, GSG, GSD, GSF, GSO, EAN, 9, EA243; 9:15, DJB, JWD, 10:45, CJRQ, CJRQ, 11, TPA2; 11:30, JWD, DJD, GSH, GSC, GSD, GSI
Daily Except Sundays—9:20 a.m.	VN31R	
Mon., Tues., Thurs., Fri.—9:50 p.m.	OLHSA or OLHSB	

Sunday, July 17

8 a.m.—Three-year hour (Eastern U.S.A.)	JZK
8 a.m.—Friendly hour	TIANRH
8:50 a.m.—Concert by Rotterdam Philharmonic Orchestra	FII
9 a.m.—Barney program from Germany	DJL
9 a.m.—International church	COKQ
9 a.m.—Three-year hour (South West)	JZK
11:35 a.m.—Program from the Vatican	HVJ
(15.12)	
2:45 p.m.—League of Nations program	HBB
4:45 p.m.—Sohil Eaton, violin; GSG, GSI	
5 p.m.—Broadcast from St. Kitts	VP2LO, (G.38)
5:15 p.m. (ex-Sat. & Sun.)—News in Portuguese	W2XAL (17.78)
6:30 p.m.—Billie's Dance orchestra	VVSRC
7 p.m.—Overseas program (Eastern North America)	JZK
7 p.m.—Polish program (North America)	SPW
7 p.m.—La Vie de Las Provincias	COCH
7 p.m.—Circus Brussels network program	(G.38)
7:30 p.m.—Spanish news	W2XAL (17.78)
7:45 p.m.—Spanish news	W7XW (17.53)
7:45 p.m.—Portuguese news	W3XAL (17.78)
8 p.m.—El Salvadorian program	YSD
8 p.m.—Brazil on the Air	PHI (10.22)
8 p.m.—Series program (North America)	RAN
8:30 p.m.—English news	2004, IFF
8:40 p.m.—Lundist news	EAN (9.45)
9 p.m.—Nationalist program (North America)	(G.38)
9:15 p.m.—English news	IJB (IMI)
9:30 p.m.—North American broadcast	TPB7
9:30 p.m.—Spanish news	GSD
9:30 p.m.—Portuguese news	GSH
10 p.m.—Program from Miami, Florida	W4XB (16.04)
10 p.m.—Friendship hour	HC1H2 (G.38)
10:30 p.m.—Spanish program (North America)	(G.38)
11 p.m.—English news	TPB7, TPA4
11:30 p.m.—English news	IJB (IMI)
12:45 a.m. (ex-Sat.)—Program from South Africa	ZH
1:30 a.m.—Three-year hour (West Coast)	JZK
2 a.m.—English IBS period	XFI7

Key to Symbols Used: *Daily; **Week Days;
(Monday, Wednesday, Friday); #Monday, Thursday;
\$Tuesday, Tuesday, Thursday, Friday;
**Tuesday, Thursday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

ACCORDING to August Balbi of Los Angeles, Calif., XGJ (11.68), a powerful new Chinese station at Hankow, announcing as "The Official Voice of China," is now being heard with loud signals daily from 8 to 8:30 a.m. EDT, giving latest war news in German, French and English. Reports on reception should be sent to P. O. Box 90, Hankow, China. Hawaiian programs are now being heard over KQH (14.92) and KHE (17.95), on Sundays from 1 to 1:30 a.m. EDT.

A 10,000-watt short-wave transmitter is under construction at Athens, Greece. When completed, broadcasts will be transmitted regularly for the benefit of Greek nationals in the United States and Australia by means of directive antennas.

Roy DeMent of Plainview, Tex., writes that members of the Radio Signal Survey League and other short-wave listeners are urged to listen for transmissions from the base and advance camp stations of the Norsk Fransk Polar Ekspedisjon. Reports should be sent to Willy Knutson, Og Comte Gaston Micard, Svalbardkontoret, Oslo, Norway. Jess Tillier, one of the operators for the expedition, left Madison, Wis., a few days ago for the long journey by fishing-boat to Danmarkshavn, North East, Greenland. From this point he will proceed north by boat as far as the ice permits and will eventually establish their main base-camp radio station at Ingolfsfjord (located at 80° 30' north latitude, 17° west longitude). An advance camp still farther north will be established on the edge of Peary Land (about 82° north and 29° west).

These camps will use short-wave radio for intercommunication, and the expedition will gather meteorological data in cooperation with other weather-bureau stations of the Norwegian government so that storms heading towards Norway and England from the Polar regions may be noted and weather forecasts made

for several days in advance. With the exception of radio the expedition will be completely out of touch with civilization for more than a year. Mr. Tillier's wife, at Madison, Wis., is extremely anxious to arrange daily schedules with her husband via amateur radio any time after July or August, and any listeners picking up the expedition stations are urgently requested to communicate with Radio Guide. The call-letters or frequencies of the stations have not yet been determined, but daily schedules are to be made at 3 and 9 a.m. EDT and 3 and 9 p.m. EDT. Watch Radio Guide for further details concerning this thrilling polar adventure that short-wave listeners will soon be able to tune in on.

George Bernard Shaw's play, "The Dark Lady of the Sonnets," with Robert Donat as William Shakespeare and Lewes Ashwell as Queen Elizabeth, which is to be broadcast over Daventry Stations GSG and GSP on Thursday, July 21, at 8 p.m. EDT, will be introduced by George Bernard Shaw in person, who will give some characteristic and lively sidelights on his interpretation of Shakespeare, the man.

SHORT-WAVE SHORTS: During a recent strike in Jamaica, when telephone and telegraph lines were destroyed, the Post Office Department immediately organized a network of amateur stations to carry on emergency communications by short wave. . . . A QSL card from Amateur Station PK4JD (14.09), in Biliton, Sumatra, informed Bob Hetzel of Milwaukee, Wis., that his reception report was the first received from the central states. PK4JD is on the air twice each week near 10 a.m. EDT, using a power of 30 watts, and reports are welcomed. . . . LKC are the official call letters now being used by the Jeloy, Norway, station in operation on 9.526 mcs. . . . W4XB (6.04), Miami, Florida, is operating at present from 2 to 4 p.m. EDT and from 10 p.m. to 1 a.m. EDT daily.



M. A. Braune is Portuguese announcer for BBC's Foreign Language Service, heard nightly over the Daventry Stations at 9:45 p.m. EDT

Monday, July 18

8:50 a.m.—Viennese Waltz orchestra	PHI
8:55 a.m.—Program from Bone Kong	JBW
9 a.m.—Swiss Broadcast	HSFJ (19.62)
4 p.m.—London Symphony Orchestra, conducted by Sir Henry Wood	GSG-GSI
4:45 p.m. (ex-Sat.)—Aladdin	W2NAF (9.53)
5:35 p.m.—Cricket, Nottinghamshire vs. The Australian	GSP
6 p.m.—Swiss news	WIXAL (11.79)
7:45 p.m.—Chinese news	W2NAF (11.79)
7:50 p.m.—Japanese Music	W2NAF (9.55)
7:55 p.m.—North American broad cast	OLHSA
8 p.m.—Antislavery hymns at Boston	FGP
8:30 p.m.—Music and poetry	DJB (10.10)
9 p.m.—"Empress Nefertiti" (1936), Tchaikovsky Orchestra	FGP
9:45 a.m.—CIO, audio tape	2004, IFF
10:20 p.m.—Take Your Choice	GSI, GSD
11:50 p.m.—Fred Hartley's concert	GSI, GSD
1:45 a.m.—Various musical selections	JZK

Tuesday, July 19

7:15 a.m.—Drama, Paul Revere	GSI, GSD
7:40 a.m.—Maiden songs	PHI
10 a.m.—Dover music	FII
11:20 a.m.—Tommy Knotters orchestra	GSP
1:40 p.m.—Gorda Hall, organ	GSG, GSI
3:30 p.m.—Trip to Merdean	GSG, GSI
5:35 p.m.—Cricket, Nottinghamshire vs. The Australian	GSP
6 p.m.—Marie Polo's wonderful journeys	DJB
7:20 p.m.—Topics of the Day	GSG, GSP
7:40 p.m.—Montague Beazley's orchestra	GSG
8:45 p.m.—Tuesday symphony	2004, IFF
9:45 p.m.—Arpeggio music	FGP
9:45 p.m.—Musical Trix	VVSIC
10:45 p.m.—Program from Belvoir, British Isles	ZKZ
11:10 p.m.—Program from Costa Rica	TI4SRH
11:30 p.m.—Billie's orchestra	VVSIC
1:45 a.m.—Folk songs	ZKZ

Wednesday, July 20

8 a.m.—"World Affairs," Prel. J. L. Breyer	GSI, GSD, GSD
10 a.m.—Montague Beazley's Orchestra	GSP
4 p.m.—In Memory of Marconi	GSG, GSI
5 p.m.—Two years of the Happy Family	2004
7:20 p.m.—Installation of Lord Tweedsmuir as Chancellor of the University of Edinburgh	GSP
8:15 p.m.—North American program	PCJ (9.55)
8:30 p.m.—German dances	DJB, DJD
8:45 p.m.—Aerial Italy with Massé	2004, IFF
9 p.m.—Waldorf Hydro's orchestra	GSG, GSP
10:15 p.m.—Concert of light music	DJB, DPD

Thursday, July 21

7:30 a.m.—Austral Trix	GSP, GSG, GSI
9:30 a.m.—PHOII, Variety Ensemble	PHI
10:30 a.m.—The Work Service	GSI, GSG, GSD
2:30 p.m.—Legs Ah! Boozey's program	GSG, GSI
7 a.m.—Variety hour	DJB, DJD
7:20 p.m.—Folk exchange talk	GSG, GSP
8 p.m.—"The Dark Lady of the Sonnets," by George Bernard Shaw	GSG, GSP
9 p.m.—H.M. Royal Horse Guards band	GSG
9:45 p.m.—Italian Film Institute	2004, IFF
11:05 p.m.—Eric Thiman, organ	GSI, GSP
1:45 a.m.—Tall, "Beer"	ZKZ

Friday, July 22

6:25 a.m.—Fourth Cricket Test Match; England vs. Australia	GSI, GSG, GSD
10 a.m.—9:15 a.m.	
7:40 a.m.—Light music from Switzerland	GSP
11:15 a.m.—Fourth Cricket Test Match; England vs. Australia	GSI, GSG
12:30 and 1:25 p.m.	
12:40 p.m.—Edward Somerville's Orchestra	GSG
5 p.m.—News review	LVA (18.11), LRA (9.69)
5:50 p.m.—Montague Beazley's orchestra	GSG
7:20 p.m.—Fourier Rivalries	GSG, GSD
8:35 p.m.—Concert orchestra	VVSIC
9 p.m.—Easy hour	OLHSA (9.43)
9:45 p.m.—Glorious achievements	DJB, DPD
10:30 p.m.—Play, "I Must Leave My Little Town"	DJB, DPD

**Log of Short-Wave Stations
Whose Programs Are Listed**

Megacycles or thousands of megacycles shown			
CJNO, Canada	8.35	OLXRA, Czechoslovakia	8.35
CJRX, Cuba	11.75	OLXRA, " "	11.85
COCH, " "	9.45	OLXRA, " "	11.75
COCO, " "	6.85	OLXRA, " "	11.75
COCO, " "	9.75	OLXRA, " "	11.75
COGT, " "	11.85	OLXRA, " "	11.75
CSW, Portugal	9.75	OZP, Denmark	9.55
CTAK, Uruguay	9.85	PZC, Holland	9.35
DJBR, Germany	15.25	FBI, " "	15.75
DJC, " "	8.25	PRF, Brazil	8.50
DJD, " "	11.75	RAN, U.S.S.R.	9.50
DJL, " "	15.15	RKI, " "	15.00
TA243, Canaries	10.35	RME, " "	12.00
EAO, Spain	8.85	RVSD, " "	8.00
EAE, " "	9.15	SPD, Poland	11.85
EASAN, Spanish Morocco	14.85	SPW, " "	12.85
FOIAA, Tahiti	7.15	TIANRH, Costa Rica	11.25
GSA, England	8.85	Brix, " "	8.00
GSA, " "	9.55	TPA, France	11.85
GSC, " "	8.55	TPA, " "	11.85
GSD, " "	11.75	TPA, " "	11.75
GSE, " "	13.15	TPB, " "	11.75
GSG, " "	17.75	VSDN, Canada	8.00
GSH, " "	21.85	VXSM, Australia	9.50
GSI, " "	16.25	VXSM, " "	9.50
GJZ, " "	21.15	VLR, " "	9.50
GSL, " "	8.15	VPO, Fiji	8.50
GSO, " "	15.15	VPSLO, St. Kitts	8.50
GST, " "	15.25	VUDI, India	8.50
HATA, Hungary	9.15	VUDI, " "	15.15
HBJ, Switzerland	14.85	WIXAL, Boston, Mass.	
HBL, " "	8.35	15.25, 11.75	8.50
HBO, " "	11.45	XEUX, Mexico, D.F.	6.15
HBY, " "	7.85	XEXA, " "	6.15
HESRL, Ecuador	8.65	YSD, El Salvador	7.85
HJ3AB, Colombia	9.45	YVSDC, Venezuela	8.50
HPSA, Panama	11.75	ZBWL, China	8.50
HPSJ, " "	8.85	ZIK, British Honduras	10.8
HSSPZ, El Salvador	10.05	ZKX, So. Africa	8.50
IAT, Italy	8.85	ZT, E.S. Kamitomo	8.50
IDY, Kwantung	8.85	ZRQ, Italy	8.50
JZS, Japan	11.85	ZRQ, Italy	8.50
JZK, " "	15.15	ZRQ, Italy	8.50
LRA, Argentina	9.65	ZRQ, Italy	8.50

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. These are indicated, for example, by (11-15) in parentheses following a program listing. This means that on 11.85 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1.35 a.m. JAK, 7.50 GSB, GSD, GSE, GSG, GSH, GSI; 8.45, 10.35, 11.75, 12 noon, GSB, GSC, GSD, GSI; 1.20 p.m. GSB, GSD, GSI; 3.10, TPA, 5.15, GSB, GSF, GSG, GSD, GSP, 5.30, OLXRA, 8.45, 14.95, 14.95, 17.75, 19.55, 21.75, 22.75, 23.75, 24.75, 25.75, 26.75, 27.75, 28.75, 29.75, 30.75, 31.75, 32.75, 33.75, 34.75, 35.75, 36.75, 37.75, 38.75, 39.75, 40.75, 41.75, 42.75, 43.75, 44.75, 45.75, 46.75, 47.75, 48.75, 49.75, 50.75, 51.75, 52.75, 53.75, 54.75, 55.75, 56.75, 57.75, 58.75, 59.75, 60.75, 61.75, 62.75, 63.75, 64.75, 65.75, 66.75, 67.75, 68.75, 69.75, 70.75, 71.75, 72.75, 73.75, 74.75, 75.75, 76.75, 77.75, 78.75, 79.75, 80.75, 81.75, 82.75, 83.75, 84.75, 85.75, 86.75, 87.75, 88.75, 89.75, 90.75, 91.75, 92.75, 93.75, 94.75, 95.75, 96.75, 97.75, 98.75, 99.75, 100.75, 101.75, 102.75, 103.75, 104.75, 105.75, 106.75, 107.75, 108.75, 109.75, 110.75, 111.75, 112.75, 113.75, 114.75, 115.75, 116.75, 117.75, 118.75, 119.75, 120.75, 121.75, 122.75, 123.75, 124.75, 125.75, 126.75, 127.75, 128.75, 129.75, 130.75, 131.75, 132.75, 133.75, 134.75, 135.75, 136.75, 137.75, 138.75, 139.75, 140.75, 141.75, 142.75, 143.75, 144.75, 145.75, 146.75, 147.75, 148.75, 149.75, 150.75, 151.75, 152.75, 153.75, 154.75, 155.75, 156.75, 157.75, 158.75, 159.75, 160.75, 161.75, 162.75, 163.75, 164.75, 165.75, 166.75, 167.75, 168.75, 169.75, 170.75, 171.75, 172.75, 173.75, 174.75, 175.75, 176.75, 177.75, 178.75, 179.75, 180.75, 181.75, 182.75, 183.75, 184.75, 185.75, 186.75, 187.75, 188.75, 189.75, 190.75, 191.75, 192.75, 193.75, 194.75, 195.75, 196.75, 197.75, 198.75, 199.75, 200.75, 201.75, 202.75, 203.75, 204.75, 205.75, 206.75, 207.75, 208.75, 209.75, 210.75, 211.75, 212.75, 213.75, 214.75, 215.75, 216.75, 217.75, 218.75, 219.75, 220.75, 221.75, 222.75, 223.75, 224.75, 225.75, 226.75, 227.75, 228.75, 229.75, 230.75, 231.75, 232.75, 233.75, 234.75, 235.75, 236.75, 237.75, 238.75, 239.75, 240.75, 241.75, 242.75, 243.75, 244.75, 245.75, 246.75, 247.75, 248.75, 249.75, 250.75, 251.75, 252.75, 253.75, 254.75, 255.75, 256.75, 257.75, 258.75, 259.75, 260.75, 261.75, 262.75, 263.75, 264.75, 265.75, 266.75, 267.75, 268.75, 269.75, 270.75, 271.75, 272.75, 273.75, 274.75, 275.75, 276.75, 277.75, 278.75, 279.75, 280.75, 281.75, 282.75, 283.75, 284.75, 285.75, 286.75, 287.75, 288.75, 289.75, 290.75, 291.75, 292.75, 293.75, 294.75, 295.75, 296.75, 297.75, 298.75, 299.75, 300.75, 301.75, 302.75, 303.75, 304.75, 305.75, 306.75, 307.75, 308.75, 309.75, 310.75, 311.75, 312.75, 313.75, 314.75, 315.75, 316.75, 317.75, 318.75, 319.75, 320.75, 321.75, 322.75, 323.75, 324.75, 325.75, 326.75, 327.75, 328.75, 329.75, 330.75, 331.75, 332.75, 333.75, 334.75, 335.75, 336.75, 337.75, 338.75, 339.75, 340.75, 341.75, 342.75, 343.75, 344.75, 345.75, 346.75, 347.75, 348.75, 349.75, 350.75, 351.75, 352.75, 353.75, 354.75, 355.75, 356.75, 357.75, 358.75, 359.75, 360.75, 361.75, 362.75, 363.75, 364.75, 365.75, 366.75, 367.75, 368.75, 369.75, 370.75, 371.75, 372.75, 373.75, 374.75, 375.75, 376.75, 377.75, 378.75, 379.75, 380.75, 381.75, 382.75, 383.75, 384.75, 385.75, 386.75, 387.75, 388.75, 389.75, 390.75, 391.75, 392.75, 393.75, 394.75, 395.75, 396.75, 397.75, 398.75, 399.75, 400.75, 401.75, 402.75, 403.75, 404.75, 405.75, 406.75, 407.75, 408.75, 409.75, 410.75, 411.75, 412.75, 413.75, 414.75, 415.75, 416.75, 417.75, 418.75, 419.75, 420.75, 421.75, 422.75, 423.75, 424.75, 425.75, 426.75, 427.75, 428.75, 429.75, 430.75, 431.75, 432.75, 433.75, 434.75, 435.75, 436.75, 437.75, 438.75, 439.75, 440.75, 441.75, 442.75, 443.75, 444.75, 445.75, 446.75, 447.75, 448.75, 449.75, 450.75, 451.75, 452.75, 453.75, 454.75, 455.75, 456.75, 457.75, 458.75, 459.75, 460.75, 461.75, 462.75, 463.75, 464.75, 465.75, 466.75, 467.75, 468.75, 469.75, 470.75, 471.75, 472.75, 473.75, 474.75, 475.75, 476.75, 477.75, 478.75, 479.75, 480.75, 481.75, 482.75, 483.75, 484.75, 485.75, 486.75, 487.75, 488.75, 489.75, 490.75, 491.75, 492.75, 493.75, 494.75, 495.75, 496.75, 497.75, 498.75, 499.75, 500.75, 501.75, 502.75, 503.75, 504.75, 505.75, 506.75, 507.75, 508.75, 509.75, 510.75, 511.75, 512.75, 513.75, 514.75, 515.75, 516.75, 517.75, 518.75, 519.75, 520.75, 521.75, 522.75, 523.75, 524.75, 525.75, 526.75, 527.75, 528.75, 529.75, 530.75, 531.75, 532.75, 533.75, 534.75, 535.75, 536.75, 537.75, 538.75, 539.75, 540.75, 541.75, 542.75, 543.75, 544.75, 545.75, 546.75, 547.75, 548.75, 549.75, 550.75, 551.75, 552.75, 553.75, 554.75, 555.75, 556.75, 557.75, 558.75, 559.75, 560.75, 561.75, 562.75, 563.75, 564.75, 565.75, 566.75, 567.75, 568.75, 569.75, 570.75, 571.75, 572.75, 573.75, 574.75, 575.75, 576.75, 577.75, 578.75, 579.75, 580.75, 581.75, 582.75, 583.75, 584.75, 585.75, 586.75, 587.75, 588.75, 589.75, 590.75, 591.75, 592.75, 593.75, 594.75, 595.75, 596.75, 597.75, 598.75, 599.75, 600.75, 601.75, 602.75, 603.75, 604.75, 605.75, 606.75, 607.75, 608.75, 609.75, 610.75, 611.75, 612.75, 613.75, 614.75, 615.75, 616.75, 617.75, 618.75, 619.75, 620.75, 621.75, 622.75, 623.75, 624.75, 625.75, 626.75, 627.75, 628.75, 629.75, 630.75, 631.75, 632.75, 633.75, 634.75, 635.75, 636.75, 637.75, 638.75, 639.75, 640.75, 641.75, 642.75, 643.75, 644.75, 645.75, 646.75, 647.75, 648.75, 649.75, 650.75, 651.75, 652.75, 653.75, 654.75, 655.75, 656.75, 657.75, 658.75, 659.75, 660.75, 661.75, 662.75, 663.75, 664.75, 665.75, 666.75, 667.75, 668.75, 669.75, 670.75, 671.75, 672.75, 673.75, 674.75, 675.75, 676.75, 677.75, 678.75, 679.75, 680.75, 681.75, 682.75, 683.75, 684.75, 685.75, 686.75, 687.75, 688.75, 689.75, 690.75, 691.75, 692.75, 693.75, 694.75, 695.75, 696.75, 697.75, 698.75, 699.75, 700.75, 701.75, 702.75, 703.75, 704.75, 705.75, 706.75, 707.75, 708.75, 709.75, 710.75, 711.75, 712.75, 713.75, 714.75, 715.75, 716.75, 717.75, 718.75, 719.75, 720.75, 721.75, 722.75, 723.75, 724.75, 725.75, 726.75, 727.75, 728.75, 729.75, 730.75, 731.75, 732.75, 733.75, 734.75, 735.75, 736.75, 737.75, 738.75, 739.75, 740.75, 741.75, 742.75, 743.75, 744.75, 745.75, 746.75, 747.75, 748.75, 749.75, 750.75, 751.75, 752.75, 753.75, 754.75, 755.75, 756.75, 757.75, 758.75, 759.75, 760.75, 761.75, 762.75, 763.75, 764.75, 765.75, 766.75, 767.75, 768.75, 769.75, 770.75, 771.75, 772.75, 773.75, 774.75, 775.75, 776.75, 777.75, 778.75, 779.75, 780.75, 781.75, 782.75, 783.75, 784.75, 785.75, 786.75, 787.75, 788.75, 789.75, 790.75, 791.75, 792.75, 793.75, 794.75, 795.75, 796.75, 797.75, 798.75, 799.75, 800.75, 801.75, 802.75, 803.75, 804.75, 805.75, 806.75, 807.75, 808.75, 809.75, 810.75, 811.75, 812.75, 813.75, 814.75, 815.75, 816.75, 817.75, 818.75, 819.75, 820.75, 821.75, 822.75, 823.75, 824.75, 825.75, 826.75, 827.75, 828.75, 829.75, 830.75, 831.75, 832.75, 833.75, 834.75, 835.75, 836.75, 837.75, 838.75, 839.75, 840.75, 841.75, 842.75, 843.75, 844.75, 845.75, 846.75, 847.75, 848.75, 849.75, 850.75, 851.75, 852.75, 853.75, 854.75, 855.75, 856.75, 857.75, 858.75, 859.75, 860.75, 861.75, 862.75, 863.75, 864.75, 865.75, 866.75, 867.75, 868.75, 869.75, 870.75, 871.75, 872.75, 873.75, 874.75, 875.75, 876.75, 877.75, 878.75, 879.75, 880.75, 881.75, 882.75, 883.75, 884.75, 885.75, 886.7

**Log of Short-Wave Stations
Whose Programs Are Listed**

(Megacycles or thousands of kilocycles shown)

CIRG, Canada	6.15	JZL, Japan	17.785
CIRX, Cuba	11.72	LXK, Argentina	9.46
COCH	9.42	OLRSA, Czechoslovakia	9.55
COCO	6.01	"	9.55
COOF	9.722	OLRFA, "	11.84
COW, Portugal	11.865	OLRAB, "	11.76
CXAS, Uruguay	9.24	OLRSA, "	15.83
DJB, Germany	8.61	OLRSB, "	15.82
DJC, "	15.80	OZF, Denmark	9.52
DJD, "	6.09	FCJ, Holland	9.50, 15.22
DJL, "	11.77	PML, "	17.775
DJT, "	15.31	PRPS, Brazil	9.50
EAI4S, Canaries	10.77	RAY, U.S.S.R.	9.60
EAQ, Spain	9.59	RNE, "	12.60
EAR, "	9.49	RVS, "	12.60
EAUAH, Spanish Morocco	14.65	RSP, Poland	11.53
FO5AA, Tahiti	7.11	TPF, Iceland	12.23
GSA, England	6.65	TIAWRH, Costa Rica	12.44
GSB, "	9.51	RIN, "	9.68
GSC	9.52	TPAF, France	15.24
GSD	11.75	TPAF, "	11.88
GSE	11.82	TPAF, "	11.71
GSE	15.14	TPET, "	11.885
GSH	17.72	VFRM, Canada	6.005
GSI	21.47	VFRM, Australia	9.39
GST	15.26	VFRM, "	9.31
GJZ	21.88	VFRM, "	9.38
GSL	6.11	VPDZ, Fiji	9.54
GSO	15.18	VPZLO, St. Kitts	6.38
GSP	15.21	VUDT, India	9.59
MAT4, Hungary	9.12	VUDZ, "	15.18
HMB, Switzerland	14.535	WIKAL, Boston, Mass.	
HBL	9.34	15.25, 11.79, 6.44	
HBO	11.402	XEUZ, Mexico, D.F.	6.12
HBP	7.80	XEXA, "	6.12
HGERL, Ecuador	6.60	YSTD, El Salvador	7.84
HJ1ABP, Colombia	9.618	YV5RC, Venezuela	9.37
HP5A, Panama	11.7	ZBW3, China	9.515
HP5J, "	9.60	ZIKS, British	
HRPZ, Siam	9.51, 19.62	Honduras	10.6
IRF, Italy	9.82	ZIKR, So. Africa	9.61
IDY, Kuantung	9.925	9.51, 5.5, Xanadu	9.57
JZK, Japan	11.80	ZRO3, Italy	9.615
JZK	15.16	ZRO4, "	11.81

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. Those are indicated, for example, by (ex-Sat.) in parentheses following a program listing. This means that on 11.85 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m., JZK; 2:50, GSB, GSD, GSP, GSG, GSJ; 8:45, IDY; 9:30, GSF, GSG, GSH, GSJ; 9:55, JZK; 12 noon, GSF, GSG, GSJ; 1:20 p.m., GSI, GSD, GSO, 3-10, TPA3; 5:15, GMF, GSF, GSO, GSJ; 5:30, OLRSA or OLR5A or OLR5B; 5:45, EA9AH; 7, IP5A; 7:05, JZK, JZL; 8, EA9AH, IP5A, RAY, RNI; 8:35, IRF, ZRO4; 8:40, GSH, GSD, GSO, GSP, EAR; 9, EA9AH; 9:15, DIB, DJD; 10:45, CJRQ, CJRX; 11, TPA4; 11:30, DIB, DJD, GSD, GSC, GSD, GSI.

Daily except Sundays—9:20 a.m., VK3LR. Mon., Tues., Thurs., Fri.—9:50 p.m., OLRSA or OLR5B.

Sunday, August 7

*8 a.m.—Overseas hour (Eastern U.S.A.): JZK
*9 a.m.—Variety program: DIB
*9 a.m.—International church: COCQ
*9 a.m.—Overseas hour for South Seas: JZK
11 a.m.—BBC Northern Orchestra: GSF GSG GSJ
*11:30 a.m.—Program from the Vatican: HVJ (15.12)
12:10 p.m.—Symphony concert: DIB
1:40 p.m.—Charles Erskine's Quintet: GSF GSI
4:45 p.m.—The River Thames: GSG GSI
*5 p.m.—Broadcast from St. Kitts: VPZLO (6.38)
*5:20 p.m.—War news: EA9AH
6 p.m.—Village picture-book: DIB DJD
*7 p.m.—Overseas program (Eastern North America): JZL
*7 p.m.—Polish program (North America): SPD
*7 p.m.—La Voz de Los Provincias: COCQ
*7 p.m.—Cadena Crusadas network news: COCH
*7 p.m.—Spanish news: W3XAL (17.78)
7:15 p.m.—Our Sunday concert: DIB DJD DJP
7:30 p.m.—Hawai Calls: KQH (14.92)
*7:45 p.m.—Spanish news: W2XE (11.83)
*8 p.m.—Portuguese news: W3XAL (17.78)
8 p.m.—League of Nations news: HBO (11.4)
*8 p.m.—El Salvadorian program: YSD
*8 p.m.—Soviet program for North America: RAN
8:15 p.m.—Philippines program: PCJ (9.59)
*8:30 p.m.—English news: ZB04 IRF
*8:40 p.m.—Loyalist news: EAIR (9.488) EAQ
*9 p.m.—Nationalist program (North America): Salamanca (10.37)
*9:15 p.m.—English news: DIB DJD DJP
*9:30 p.m.—North American broadcast: TPA7
*9:30 p.m.—Spanish news: GSD GSO
*9:45 p.m.—Portuguese news: GSD GSO
*10 p.m.—Program from Miami, Florida: W4XB (6.04)
*10:30 p.m.—Spanish program (North America): GZP
*11 p.m.—English news: TPA7 TPA4
11:10 p.m.—Nord Endie, Hawaiian songs: GSI
*11:30 p.m.—English news: DIB DJD DJP
11:50 p.m.—Play, "The Mystery of the Marie Celeste": GSD GSI
*12:45 a.m. (ex. Sat.)—Program from South Africa: ZRK ZRH
*1:30 a.m.—Overseas hour (West Coast): JZK
*2 a.m.—English DX period: XEUZ

Key to Symbols Used: *Daily; †Week Days;
†Monday, Wednesday, Friday; ‡Monday, Thursday;
‡Monday, Tuesday, Thursday, Friday;
†Tuesday, Thursday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.

For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

THE uses to which short-wave radio are put in our National Parks are extremely varied, ranging from front-line communication for forest-fire control to communications in connection with the rescue or search for persons lost in the wilderness or stranded upon some high mountain ledge.

The most recent instance of this latter use was in connection with the intensive search for little four-and-a-half-year-old Albert Beilhartz, who strayed away from his father in the wild and rugged Fall River section of Rocky Mountain National Park. Within a very short time competent Park Rangers had taken charge of the search and a base camp equipped with one of the new-type semi-portable radio transmitters had been set up at the exact spot of the disappearance by W. Hilgedick, chief engineer of the National Park Service. One hundred C. C. enrollees, familiar with the surrounding terrain, immediately took up the search, covering a broad strip of land as they went—each man being responsible for a small section ten feet wide. Several of the searchers were equipped with the tiny but effective portable pocket transmitters of the National Park Service, and with these they were able to make frequent and detailed reports to the base-camp station, where father, mother and sisters of the lost boy waited with bated breath and feverish anticipation for any word that might announce a successful culmination of the search. Only with the use of vital radio communications would such a large-scale and thorough search have been possible, although as far as I can learn at the time of writing, the boy has still not been found. As Mr. Beilhartz, the boy's father, expressed it, "The Park Service has done everything possible to find my son."

Ashley Walcott of San Francisco, Calif., reports reception of a new station located at Saladeng, Bangkok, Thailand, which broadcasts Wednesdays only from 7:30 to 10:30 a.m. EDT, on a frequency of 6.11 megs. All programs that are broadcast are an-

nounced in Siamese. Interval signal is a series of six consecutive chimes.

The only direct means of communication between Isle Royale in Lake Superior and the mainland, eighty miles distant, is a short-wave link operated by the National Park Service. Over 250 messages a month are handled between National Park Service Stations WSHB, located at Houghton, Mich., and WSHC, located at Mott Island, near Isle Royale. A supplementary communication service is available from small transmitters aboard the two large Coast Guard cutters which ply between the Isle and the shore. All transmitters in this net operate on a frequency of 3.235 megs. Regular schedules of broadcast are kept at 9:30 a.m., 12 noon, 4, 6 and 9 p.m. EDT, but emergencies often arise that necessitate operation of the circuit at any hour of day or night.

Louis Ambrosius of Louisville, Ky., writes that WAY (2.52), a Public Coastal station, located at Lake Bluff, Ill., can often be heard evenings in communication with Commander Eugene McDonald's yacht, Mizpah, whose transmitter KFZT operates on either 2.118 or 2.738 megs, or WOGK aboard the yacht Mako, which operates on identical frequencies.

Several RADIO GUIDE readers have written in asking what short-wave stations relay baseball games regularly. The following usually relay the at-home games of the league team or teams representing that particular city: W8XK (15.21), Pittsburgh, Pa.; W1XK (9.57), Springfield (Boston), Mass.; W3XAU (9.59), Philadelphia, Pa., and W8XAL (6.06), Cincinnati, O.

The short-wave station on 15.18 megs whose identity has caused so much conjecture among Radio Guide readers is located in Moscow, U. S. S. R., and relays the Soviet programs of RKA (15.08) daily from 4 to 5 p.m. EDT, signing off with the "Internationale."



Short-wave station set up in Rocky Mountain National Park, with Park Rangers directing, by radio, search for 4½-year-old Albert Beilhartz

Monday, August 8

8 a.m.—Archibald Expedition contacts from Dutch New Guinea: PR6XX (14.02)
8:30 a.m.—Program from Hong Kong: ZBW3
8:45 a.m.—Chinese broadcast: HS8PQ (19.02)
9:35 a.m.—Musical Totem: PHI
11 a.m.—Reginald Dixon, organist: GSF GSG GSJ
2 p.m.—The Bungalow Club: GSG GSJ
2:45 p.m.—Kings of the Keyboard: GSG G-1
3:30 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry Wood: GSG GSJ
9:45 p.m. (ex. Sat.)—News: W2XAD (15.35)
W2XAF (9.53)
9:45 p.m. (ex. Sat.)—Science news: W1XAL (11.79)
10:45 p.m. (ex. Sat.)—Portuguese news: W2XNE (11.83)
9:30 p.m.—Martial music: W1XAL (11.79)
7:30 p.m.—English program from Marquette: Radio Martinique (9.685)
9:30 p.m.—Portuguese Musical: W2XAD (15.35)
10:30 p.m.—North American program from Czecoslovakia: OLRSA or OLR5B
8:45 p.m.—Folk songs: DIB DJD DJP
9:30 p.m.—Typical Orchestra: COGF
10:30 p.m.—Drama, "Steambath": GSD GSJ
11:15 p.m.—German Study Club: DIB DJD DJP

Tuesday, August 9

8:30 a.m.—"The Private Soldier," Ian Hay: GSF
9:20 a.m.—Musical review: PHI
11:20 a.m.—Jack White's Collegians: GSF GSG
2:30 p.m.—Josef Marais' Bu-hield Band: GSG
6 p.m.—Johannes Strauss, pianist: DIB DJD
7 p.m.—Lorraine Henretta, singer: YV5RC
7:35 p.m.—Musical journey throughout Europe: GSG GSP
8:45 p.m.—Elgar Symphony Orchestra: ZB04 IRF
9:45 p.m.—Argentine music: COGF
9:30 p.m.—English program: YV5RC (5.835)
9:45 p.m.—Talk, "Racing Boats and Their Masters": DIB DJD DJP
9:45 p.m.—Program from Costa Rica: TMNII
10:20 p.m.—Central European Review of Affairs: OLRSA or OLR5B

Wednesday, August 10

9 a.m.—At the Hippodrome Orchestra: GSF GSG
10 a.m.—BBC Empire Orchestra: GSF GSG GSJ
12:40 p.m.—"World Affairs," Edwin Haward: GSF
3 p.m.—Promenade Concert: BBC Symphony Orchestra: GSG
5:35 p.m.—Cricket; Surrey vs. Australians: GSG
6 p.m.—The Happy Family makes a trip: DJB DJD DJP
7:35 p.m.—Folk songs: GSF GSP
8 p.m.—Budapest program: HAT4
8:30 p.m.—North American hour: VPZLO (6.38)
9 p.m.—International Variety Concert: GSG GSP
10:15 p.m.—Gay musical evening: DJB DJD DJP
10:35 p.m.—BBC Empire Orchestra: GSD GST

Thursday, August 11

8:15 a.m.—Donald Oakey, violinist: GSF GSG GSJ
9:30 a.m.—Philo Variety Ensemble: PHI
10:30 a.m.—Mid-week Service: GSF GSG GSJ
1:30 p.m.—Turn Uvier's Competition: GSF GSG GSJ
3:30 p.m.—Court Party: GSG GSJ
5:35 p.m.—Cricket; Surrey vs. Australians: GSG
6 p.m.—Operetta concert: DIB DJD DJP
7:30 p.m.—Popular orchestra: YV5RC
8 p.m.—Mailbag: OLRSA or OLR5B
8:45 p.m.—Selections from operas: ZB04 IRF
9 p.m.—Mendelssohn's Batalieks: Orchestra: GSG
9:45 p.m.—German Red Cross: DJB DJD DJP
11:30 p.m.—Resonating Harmonies: GSD GST

Friday, August 12

8 a.m.—Under Big Ben: GSF GSG GSJ
8:15 a.m.—BBC Northern Ireland Orchestra: GSF
9:30 a.m.—Travel program: PHI
1:30 p.m.—BBC Empire Orchestra: GSG GSJ
3:45 p.m.—German mail bag: W3XAL (17.78)
4 p.m.—Promenade Concert: BBC Symphony Orchestra, Sir Henry Wood, conductor: GSG
4:45 p.m.—French mail bag: W3XAL (17.78)
5:35 p.m.—Cricket; Surrey vs. Australians: GSG GSP
7 p.m.—Hour of music: DIB DJD DJP
7:15 p.m.—Concert orchestra: YV5RC
7:40 p.m.—Visit to the Empire Exhibition: GSG GSP
8:45 p.m.—Guest night: ZB04 IRF
9 p.m.—Lotto hour: COCH (9.43)
9:15 p.m.—Salvador Santalla's Orchestra: YV5RC
10:30 p.m.—Symphony concert: DIB DJD DJP

Saturday, August 13

8:30 a.m.—Military orchestra: PHI
9:30 a.m.—Greatest British Symphony: PHI
11:30 a.m.—Phil Park, organist: GSF GSG GSJ
12:25 p.m.—Jack Hylton's Orchestra: GSF GSG GSJ
2 p.m.—Comic opera, "The Barber of Baghdad": GSG GSJ
3 p.m.—European Swimming Championships: GSG GSJ
6 p.m.—Tourist hour: HP5A
6:25 p.m.—Muriel Taylor, cellist: GSG GSP
7:15 p.m.—Tropicana Orchestra: YV5RC
7:50 p.m.—Music at Twilight: GSG GSP
8:30 p.m.—Harry Roy's Band: CXAS (9.64)
8:45 p.m.—Venezuelan Typical Orchestra: YV5RC
9 p.m.—Hour of Costa Rica: TPG (6.41)
10:15 p.m.—Dance music: DIB DJD DJP
11:55 p.m.—Music for two planes: GSD GSJ
12 mid.—Northern Messenger; messages to those in the Arctic: VE9DN

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)
CNRG, Canada 8.15 OLRSA, Czechoslovakia 8.32
CJRX, Cuba 11.72 OLRSA, " 11.88
COCH 8.43 OLRSA, " 11.88
COCD 8.61 OLRSA, " 11.76
COCG 9.125 OLRSA, " 11.83
COGF 11.305 OLRSA, " 11.32
CSW, Portugal 8.74 OLF, Denmark 8.32
CXAS, Uruguay 9.61 PCF, Holland 9.82 15.22
DJB, Germany 10.20 PFI, " 17.75
DJC 8.02 PRS Board 9.30
DJD 11.77 RAN, U.S.S.R. 9.60
DJL 10.11 RFI, " 15.65
DJP 11.355 RNE, " 12.86
E4343 Casserina 10.37 RVS 9.66
EAQ, Spain 9.50 SRF, Sweden 11.725
EAF 9.48 SRF, Poland 11.52
EAPAH, Spanish <i>Morocco</i> 10.65 TIZ, Iceland 12.65
EPAS, Tahiti 7.11 TI4NRH, Costa Rica 12.23
ERA, England 8.05 Eire 9.60
ESB 9.41 TPAS, France 11.24
GSC 9.85 TPAS, " 11.85
GSD 11.75 TPAS, " 11.75
GSE 11.58 TPAS, " 11.82
GSF 10.14 VENDN, Canada 8.005
GSO 11.79 VENUE, Australia 8.50
GSH 11.47 VHME, " 8.51
GSL 10.96 VLR, " 8.51
GSJ 11.44 VPDS, Fiji 8.54
GSL 6.11 VPSLO, St. Kitts 8.51
GSO 12.18 VUDE, India 8.54
GSP 15.21 VUOS, " 12.16
HAT, Hungary 9.12 WIXAL, Boston, Mass.
HBJ, Switzerland 14.825 15.25, 11.79, 8.04
HBL 9.24 XEUX, Mexico, D.F. 8.12
HBO 11.405 XEXA 8.172
HBP 7.60 YBD, El Salvador 8.09
HPSA, Panama 11.7 YVRC, Venezuela 8.97
HSPJ, Spain, #81 19.02 ZIRZ, British
IRF, Italy 8.83 Honduras 10.8
JDY, Kwantung 9.208 ZERK, So. Africa 8.61
JZK, Japan 11.80 ZYI, S.S. Kaninbaba 8.91
JZK 15.15 ZRDO, Italy 8.925
JZL 17.75 ZROK, " 11.83
LRX, Argentina 8.66

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. These are indicated, for example, by (am-11.87) in parentheses following a program listing. This means that an 11.87 megacycle the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m., JZK; 2:50, GSR, GSD, GSE, GSC, GSI; 3:45, JDY; 9:30, GSF, GSG, GSH, GSI; 9.55, JZK; 12 noon, GSE, GSG, GSH, GSI; 1:20 p.m., GSD, GSG, GSI; 3:10, TPAS; 5:15, GSB, GSF, GSO, GSP; 5.30, OLRSA or OLRSA; 5:45, EAPAH; 7, HPSA; 7.05, JZK, JZL; 8, EAPAH; HPSA, RAN, RFI, 8.35, IRF, 2:04, 8.40 GSB, GSF, GSO, GSP, GSI; 10:45, CJRX; 11, TPAS; 11:30, DJB, DJD, DJP, GSB, GSC, GSD, GSI.
Daily except Sundays—9:20 a.m., VK3LH
Mon., Tues., Thurs., Fri.—9:50 p.m., OLRSA or OLRSA

Sunday, August 14

8 a.m.—Overseas hour (Eastern U.S.A.), JZK
9 a.m.—Overseas hour (South West), JZK
11 a.m.—Contemporary Composers, GST, GSG, GSI
11:30 a.m.—American Abroad, W2XAD (21.5)
12:40 p.m.—H.M. Royal Horse Guards Band, GSF, GSG, GSI
1:45 p.m.—Nicholas Reed, TGWA (15.17)
2:40 p.m.—Relax hour, TGJ
5 p.m.—Broadcast from St. Kitts, VP2LO (45.35)
5:22 p.m.—War news in English from Spanish Newcomer, EVSM
6 p.m.—Decennial period, WIXAL (11.79)
7 p.m.—Overseas program (Eastern North America), JZK, JZL
7 p.m.—NHR, Spanish news period, WIXAL (11.79)
7 p.m.—Portuguese program (North America), C-W3 (9.74)
7:30 p.m.—Human Calls, KQII (14.92)
7:45 p.m.—CBS' Spanish news service, W2XAE (11.83)
8 p.m.—League of Nations (U.S.A.), HHO (11.4)
8 p.m.—Sweet program (North America), RAN, RFI
8:10 p.m.—Chandler music of Mendelssohn, GSG
8:30 p.m.—English news, 2:04, IRF
8:40 p.m.—Layton news, EAR (9.48); EAQ
8:45 p.m.—Opera, "Madame Butterfly," 2:04, IRF
9 p.m.—Nationalist program (North America), Salamones (10.37)
9:15 p.m.—English news, DJB, DJD, DIP
9:30 p.m.—Spanish news, GSB, GSO
9:45 p.m.—Portuguese news, GSB, GSO
10 p.m.—Program from Miami, Florida, W4XB (15.04)
10 p.m.—Friendship hour, HCJB (14.42), HCJB (12.45)
10:20 p.m.—St. Paul's service, GSG, GSI
10:30 p.m.—David program (North America), O/F
11 p.m.—Guatemalan program (North America), TGWA (9.655)
11:15 p.m.—Helena Zaffinelli, Brazilian pianist, DJB, DJD, DJP
11:45 p.m.—"Japan in August," Chuan Sakurai, JZK
12 a.m.—English DX period, XEUX

Key to Symbols Used: *Daily; †Week Days;
Mondays, Wednesdays, Friday; ‡Monday, Thursday;
§Tuesday, Tuesday, Thursday; ¶Wednesday,
††Tuesday, Thursday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

WILLIAM MATHERS of Detroit, Mich., writes that elaborate preparations for broadcasting running commentaries on the next Olympic Games, to be held in Finland in 1940, are already under way. The National Broadcasting Corporation of Finland, O. Y. Suomen Yleisradio A. B., has already inaugurated two experimental transmitters, one at Lahti, operating on 9.5 and 11.78 megs, with a power of 1,000 watts; the other at Helsinki, operating on 6.12 megs, with a power of 200 watts. A third station, soon to be completed, will broadcast on 15.19 and 17.8 megs, with a power of 1,000 watts. The power of each of these stations will be increased to 10,000 watts by the end of this year. A directive antenna for transmissions beamed on North America is also under construction.

Regular transmissions from the Finland short-wave stations are carried out daily as follows: Over OPE (11.78), 6 to 7:20 a.m. and from 11 a.m. to 1 p.m., and over OFD (9.5), also in Lahti, from 1 to 7 p.m. EDT. All programs are also transmitted by the Helsinki station, on 6.12 megs. Announcements are made in Finnish and Swedish.

A special transmission for Swedish residents of the United States is now being broadcast on Wednesdays and Saturdays at 9 p.m. EDT, over SBP (11.705) of Motala, Sweden. The Swedish short-wave stations operate regularly as follows: Over SMSSX (15.155) of Stockholm, week-days 12 noon to 6 p.m. EDT, and on Sundays 10 a.m. to 6 p.m. EDT; over CBP (11.705) of Motala, week-days 7:20 to 3 a.m., and 11 a.m. to 5:15 p.m. EDT, and on Sundays 3 a.m. to 5:15 p.m. EDT, and over SBO (6.065) of Motala, daily from 5:15 to 6 p.m. EDT.

TGWB (6.04), a new 1,000-watt transmitter to relay TGWA of Guatemala City, Guatemala, will be inaugurated soon. It will operate weekdays from 8:40 to 9:40 a.m. EDT, 1:45 to 4:30 p.m. EDT, and 8 p.m. to 1:30

a.m. EDT, and on Sundays from 11:30 a.m. to 5 p.m. EDT, and from 8 p.m. to 1:15 a.m. EDT.

HVJ, "Radio Vaticano," Vatican City, Italy, is operating on new frequencies and a revised schedule as follows: On 15.12 megs, week-days from 11:30 to 11:45 a.m. EDT; on 6.03 megs, week-days from 3 to 3:15 p.m. EDT, and on 9.55 megs, Sundays only from 6 to 6:30 a.m. EDT.

Senor Cespedes Marin, owner of Short-Wave Station THNRH (9.005), Heredia, Costa Rica, which operates on Tuesdays, Thursdays and Saturdays from 10 to 11 p.m. EDT, recently was heard to state that listeners sending in twenty-five cents would receive the large, elaborately lithographed verification of reception, and a certificate of membership in the "Fraternal Order of THNRH" as well. Mr. Marin made it plain, however, that any listener who did not have the money and would write him to that effect would get the diploma anyway.

In "Background to Central Europe," a new series of weekly talks from Daventry, a picture will be given of the historical and geographical background of some of the smaller European countries that are much in the news today. The first talk, to be heard on Friday, August 19, at 7:20 p.m. EDT over GSG and GSP, will be on Hungary, given by Lady Muir, daughter of the late Bulgarian minister in London.

PK6XX (14.02), base-camp station of the Archbold Expedition of the American Museum of Natural History at Hollandia, New Guinea, is being heard many mornings between 6 and 9 a.m. EDT. PK6XX contacts Amateur Station W6NNR on Saturday mornings at 3 a.m. EDT. The advance party of explorers now carrying out scientific research in the interior carry on communications with the base-camp station by means of their aircraft transmitter, which operates on 6.21 and 11.325 megs.



Animal and bird noises are recorded at the Zoo for "Animal Snap," a guessing game, soon to be broadcast to all Daventry listeners

Monday, August 15

8 a.m.—Archbold Expedition from Dutch New Guinea, PK6XX (14.02)
8:30 a.m.—London Philharmonic Orchestra, PH
9 a.m.—Program from Hong Kong, ZBWL
11:30 a.m.—Vatican from the Vatican, HVJ (15.12)
1:45 p.m.—Keyboard, Eddie Carroll, piano, GSG, GSI
3:25 p.m.—Excerpts from the Promenade Concert, BBC Symphony Orchestra, Sir Henry Wood, conductor, GSG, GSI
4:30 p.m.—American News Tower, W2XAD (15.33), W2XAF (9.53)
6 p.m.—U.S.ograms and science news, WIXAL (11.79)
6:45 p.m.—News in Portuguese for South America, W2NE (11.33)
7 p.m.—Monitor Views the News, WIXAL (11.79)
7:45 p.m.—North American news from Czechoslovakia, OLRSA or OLESK

8:30 p.m.—Music and poetry, DJB, DJD, DJP
9 p.m.—Excerpts from Opera, GSG, GSP
9:45 p.m.—2004's mad hat, 2:04, IRF
11:00 p.m.—Technical tips for the radio fan, DJB, DJD, DJP

Tuesday, August 16

8 a.m.—Tommy O'Hara, piano accordion, GSP
8:15 a.m.—Science and the Public, GSI, GSG, GSJ
3 p.m.—Play, "Job to be Done," GSG, GSI
4:30 p.m.—Hunted by Kursk, Commander O. Locker Lampson, GSG, GSI
7 p.m.—Lucress Herrera, singer, YVSIC
7:35 p.m.—The London String Players, GSG, GSP
7:50 p.m.—Portuguese Musicals, W2XAD (9.53)
8:45 p.m.—Tuesday Symphonies, 2:04, IRF
11:45 p.m.—Argentine music, guitar duet, 1:04, IRF
10:20 p.m.—Operetta "Ilai Cesar," DJB, DJD
10:30 p.m.—Mail bag, OLRSA or OLESK
11:05 p.m.—Roy Thomas, organist, GSD, GSI
1:45 a.m.—Traveling in folk songs by Miss Yoshiko Takahashi, JZK

Wednesday, August 17

7:05 a.m.—Light music from Scotland, GSP, GSG
12:40 p.m.—"World Affairs," Prof. A. P. Newell, GSG, GSC, GSI
2 p.m.—World Affairs, GSG, GSI
3:30 p.m.—"Crescent Sent," The story of a journey in the famous strait, GSG
7:20 p.m.—"Tropical Gazette," GSG, GSI
8 p.m.—Latin American Concert, W2XAF (9.53), W2XAD (9.53)
8:45 p.m.—Los Continentales Orchestra, YVSIC
9:15 p.m.—Armed Italy with Music, 2:04, IRF
10:20 p.m.—World Affairs, GSD, GSI
1:45 a.m.—Tokyo Municipal Primary School Children's Choir, JZK

Thursday, August 18

9 a.m.—Yasha Kreis's Gypsy Orchestra, GSP
11:15 a.m.—Drama "Steamboat," GSF, GSG, GSI
2 p.m.—Michaelville Recital Orchestra, GSG
4:15 p.m.—Famous Fusions—Woman & Wheel, A survey of the controversy over the lady cyclist, GSG, GSI
7 p.m.—Variety Evening from Vienna, DJB, DJD
7:30 p.m.—Elvira Rita, voice, W3XAL (17.79)
7:50 p.m.—Portuguese Musicals, W2XAD (9.53)
8:45 p.m.—Selections from Operas, 2:04, IRF
9:45 p.m.—Ear Symphony Orchestra, OLRSA or OLESK
10:40 p.m.—The Black Duke Mills Band, GSD

Friday, August 19

7:40 a.m.—Light Music from Switzerland, GSF
8:50 a.m.—Radio City Revue, PH
1:50 p.m.—Reginald Porter Brown, organist, GSG
3:20 p.m.—Excerpts from the Promenade Concert, BBC Symphony Orchestra, Sir Henry Wood, conductor, GSG, GSI
3:45 p.m.—German mail bag, W3XAL (17.79)
4:45 p.m.—French mail bag, W3XAL (17.79)
5 p.m.—English news review, LSY (18.115), LTA (19.59)
7:15 p.m.—Concert Orchestra, YVSIC
7:45 p.m.—Enrico Castellanos, pianist, YVSIC
8:45 p.m.—Guest night, 2:04, IRF
9:15 p.m.—Japan information series, JZK, JZL
9:45 p.m.—Talk, "German Navigation," DJB, DJD
10:20 p.m.—Recital by Eugene Istomin, GSD, GSI
10:30 p.m.—Musical treasures, DJB, DJD, DJP

Saturday, August 20

6:25, 8:20, 9:20, 9:55 a.m., 12:25 and 1:25 p.m.—Fifth Cricket Test Match: England vs. Australia. A commentary during play, from Kensington Oval, London, GSF, GSG, GSI
12 noon—Jack Hardy and His Little Orchestra, GSF, GSG, GSI
4 p.m.—BBC Theater Orchestra, GSG, GSI
6 p.m.—World news, WIXAL (11.79)
7 p.m.—Gang dance evening, DJB, DJD, DJP
7:20 p.m.—The Scottish Country, GSG, GSP
9 p.m.—Program from Mexico for North America, SGP
9:15 p.m.—"15th Century Music at Naples," Elizabeth Luis, 2:04, IRF
9:30 p.m.—Alaska Land, W2XAF (9.53)
10:20 p.m.—Recital by Eugene Istomin, GSD, GSI
11 p.m.—Opera, OAXAJ
12 mid.—Northern Messenger, messages to those in the Arctic, VEDDN

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
CNR, Canada	6.18	OLR3A, Ontario	
CBX, Cuba	11.78	LBK8A, Cuba	9.88
COCN, " "	9.49	OLR3A, "	11.88
COCO, " "	8.01	OLR3B, "	11.78
COCB, " "	8.785	OLR3A, "	15.22
COCF, " "	11.804	OLR3B, "	15.22
CNR, Portugal	9.14	OZT, Denmark	9.22
CNR, Uruguay	9.64	PCJ, Holland	9.18
DJB, Germany	15.30	PHI	17.775
DJC, " "	8.02	PRP3, Brazil	9.30
DJD, " "	15.72	RAN, U.S.S.R.	9.38
DJI, " "	15.11	RKI	15.08
DJP, " "	15.855	RKE, "	12.00
EAJE, Canada	10.97	RV202	6.00
EAS, Spain	8.855	RPB, Sweden	11.105
EAS, " "	8.49	SPD, Poland	11.52
EASAM, Spain	8.855	SPW,	13.04
Mexico	14.05	TPF, Ireland	12.23
FOIA, Tahiti	7.11	TIANRM, Costa Rica	
GSA, England	8.03	KIK	9.495
GSE	9.51	TPPA, France	15.21
GSC, " "	8.55	TPPA, "	11.88
GSD	11.75	TPPA, "	11.71
GSE, " "	11.95	TPPA, "	11.88
GSE	15.14	VERDN, Canada	8.005
GSO	11.79	VERME, Australia	9.50
GSM	21.42	VERME,	9.51
GSI	15.26	VLR,	9.58
GSL	21.51	VPP22, Fiji	9.54
GSO	8.12	VPFLO, St. Kitts	8.20
GSO	19.15	VPUD, India	9.59
GSP	15.33	VPUD	11.18
HAT, Hungary	8.12	WIXAL, Boston, Mass.	
HBJ, Switzerland	14.835	15.25, 11.78, 8.04	
HBL	8.24	XKUZ, Mexico, D.F.	8.12
HBO	11.605	XEXA	8.172
HBP	7.80	TRD, El Salvador	7.304
HPSA, Panama	11.7	TVSBC, Venezuela	9.37
HPSJ	9.00	ZBWS, China	8.225
HPSJ, N.I., 8.31, 10.02	ZIKE, British		
IHF, Italy	8.52	Hardwicke	10.8
JOT, Kwantung	2.925	ZHEK, So Alvia	9.81
JZL, Japan	11.80	ZMI, F.R. Macedonia	8.01
JZK	15.18	ZBOS, Italy	9.205
JEL	17.735	ZROK,	11.81
LRA, Argentina	8.06		

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. These are indicated, for example, by (new-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m.	ZJK	2:50, GSE, GSD, GSE, GSI, GSO, 8.45, JDI, 9:30, GSE, GSD, GSE, GSI, 1:20 p.m.	OLR3A, GSO, GSI, 3.10, TPPA, 5.15, GSE, GSD, GSO, GSP, 5.30, OLRS5A, or OLRS5B, 5.45, KAPAU, 7, JPSA, 7.05, JZK, JZL, 8, EA74M, HPSJ, RAN, RKT, 8.35, HIF, 2104, 9.40, GSO, GSD, GSE, GSO, GSP, LAR, 9, EA74S, 9.15, DJB, DJD, DJP, 10.45, CJO, CJO, 11, TPPA, 11.30, DJB, DJD, DJP, G-B, G-B, G-B, G-B, G-B, G-B.
Daily except Sundays—9:20 a.m.	VK3LR		
Mon., Tues., Thurs., Fri.—9:50 a.m.	OLRS5A or OLRS5B		

Sunday, August 21

8 a.m.—Overseas hour (Eastern U.S.A.)	ZJK	JZL
9 a.m.—Variety program	DJB	
9 a.m.—International church	COCQ	
9 a.m.—Overseas hour (South Seas)	JZK	
10 a.m.—Negro Spirituals	GSE, GSD, GSE	
12:10 p.m.—Symphony concert	IHF	
+1:45 p.m.—RIO de Janeiro Marimba Band	TGWA (15.17)	
2:45 p.m.—League of Nations program	IHF	(HIF 15.675)
2:55 p.m.—Catholic service	GSE, GSD	
4:05 p.m.—Comic Opera, "A Princess of Kensington"	GSE, GSD	
+5 p.m.—Broadcast from St. Kitts	VP21D (6.32)	
5:20 p.m.—War news in English	EAVAH	
6 a.m.—Cuban organ music	COCQ	
7 a.m.—Overseas program (Eastern North America)	ZJK, JZL	
7 p.m.—Polish program (North America)	SPD	
+7 p.m.—La Voz de las Provincias	COCQ	
7 p.m.—Cuban Ceaseless network prem	COCH	
7 p.m.—Spanish news	W3XAL (17.75)	
7 p.m.—Portuguese program (North America)	WAV3 (9.74)	
7:30 p.m.—Studies of the world	YVSIC	
7:45 p.m.—Spanish news	W2XAL (17.53)	
+8 p.m.—Portuguese news	W3XAL (17.75)	
8 p.m.—League of Nations program	IHF (11.4)	
+8 p.m.—El Salvadorian program	YSP	
+8 p.m.—Soviet program (North America)	RAN	
+8:30 p.m.—English news	2104, IHF	
+8:40 p.m.—Loyalist news	FAB (19.48) FAQ	
+8:45 p.m.—Opera, "Aida"	2104, IHF	
+9 a.m.—Nationalist program (North America)	+Salamanca (10.37)	
+9:15 p.m.—English news	DJB, IHD, DJP	
+9:30 p.m.—North American broadcast	TPB7	
+9:30 p.m.—Spanish news	GSE, GSD	
+9:45 p.m.—Portuguese news	GSE, GSD	
+10 a.m.—Program from Miami, Florida	W4XB (6.04)	
+10:30 a.m.—Danish program (North America)	OZF	
+11 p.m.—English news	TPB7, TPPA	
+12:45 a.m. (ex. Sat.)—Program from South Africa	ZBII, ZJK	
+1:30 a.m.—Overseas hour (West Coast)	ZJK	

Key to Symbols Used: *Daily; †Week Days; ‡Monday, Wednesday, Friday; §Monday, Thursday; ||Tuesday, Thursday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

THE Loch Ness monster, one of the most mysterious creatures ever to get into the headlines, has inspired a program that listeners to Daventry will hear on Wednesday, August 24, at 4:30 p.m. EDT, over GSG and GSI, and on Saturday, August 27, at 8:05 p.m. EDT, over GSG and GSP. Four years ago this monster, reputedly fifty feet long and seen by many witnesses of integrity in the waters of Loch Ness, was a first-class newspaper sensation. A commentary on the Ebor Handicap, one of the most important horse-races in the north of England, will be broadcast for the first time early Thursday, August 25, at 2:15 a.m. EDT, over GSE, GSI and GSG. The race is run on the famous Knavesmire Racecourse at York, which is considered one of the show courses of England.

Clarence Hartzell of Jeannette, Pa., writes that he is hearing the new Ankara, Turkey, station on 15.105 mcs, afternoons from 2:30 p.m. on, with best reception being had from approximately 4:45 to 5:15 p.m. EDT.

J. H. A. Hardeman of Balikpapan, Borneo, reports YDX, a new 500-watt transmitter of the NIROM network at Medan, Sumatra, which operates on frequencies of 8.09 and 5.175 mcs. Transmissions are effected on the latter frequency daily from 9:30 to 11:30 a.m. EDT. The French-speaking short-wave station on 11.9 mcs has now been identified as "Radio Hanoi" of Hanoi, French Indo-China, which formerly broadcast on a frequency of 7.41 mcs. If conditions for reception are favorable you may have the good fortune to tune in "Radio Mogadiscio" (8.875) of Mogadiscio, Italian Somaliland, on one of its Sunday morning broadcasts from 9:30 to 10:30 a.m. EDT.

In line with an extensive expansion of its colonial broadcasting facilities, the Italian government plans to increase the power of the short-wave station in Addis Ababa, Ethiopia.

up to 10,000 watts, and that of the station in Tripoli, Tripolitania, to 50,000 watts.

SHORT-WAVE SHORTS: David Hutchinson of Manchester, Conn., is proud of the verification he has just received from Amateur Station SU1AM (14.208), owned by Prince M. Abdel Monem of Egypt, heir to a \$50,000,000 fortune, who recently asked permission from King Farouk to marry Princess Myzejen, sister of King Zog of Albania. The card pictures drawings of lotus flowers, the sacred flower of Egypt; Thoth, the god of sciences, and the winged Isis, symbolizing Egypt. A religious sect, the Pillar of Fire of Zarephath, N. J., seeks permission from the Federal Communications Commission to erect a 5,000-watt short-wave station to operate on 8.08, 11.83 and 17.78 mcs. The National Company TACA has received permission to erect a powerful aviation station, TGT5, to operate on 5.61 mcs, at its airport at Flores, Guatemala. Listeners will be glad to know that word has been received from HP5A (11.7) of Panama City, Panama, that hereafter all correct reports of reception received at that station will be promptly verified. Short-wave listeners should be on the look-out for emergency messages from Station W10XAB (14.368) of the McGregor Arctic Expedition, since the last communication from the explorers aboard the General A. W. Greely stated that the schooner was hopelessly ice-bound and that it might have to be abandoned at any time. Louis Ambrosius of Louisville, Ky., reports an unidentified Costa Rica station on a frequency of 11.68 mcs was heard signing off at 12:20 a.m. EDT, with Ted Lewis' "Good Night" recording. According to the National Radio Club, Manuel Andrew, Jr., announces at Short-Wave Station COCO (8.01) of Havana, Cuba, set a new world's record for announcing when he talked continuously for 107 hours. He collapsed at the end of his long vigil, but suffered no ill effects.

Photo: Louis Levy, pioneer film-orchestra conductor, conducts "You Shall Have Music" Thursday, 4:20 p.m. EDT. Above: With Jessie Matthews



Monday, August 22

7:30 a.m.—Fifth Cricket Test Match: England vs. Australia	GSE, GSG, GJ	values at 8.20, 9.15, 10.30 a.m. and 1:25 p.m.
8 a.m.—Archival Expedition Contact from New Guinea	PKSNX (14.02)	
8:50 a.m.—Boston Promenade Orchestra	PHI	
8:50 a.m.—Program from Hong Kong	ZBW3	
9 a.m.—Brazilian Broadcast	W2PZJ (19.02)	
+11:30 a.m.—Program from the Valparaiso	W1J	+15.125
1 p.m.—Cello, Tuba	LS8	GSE, GSD
1:15 p.m.—Ex. Sat. 1—News	W2XAB	+15.30
1:45 p.m.—Ex. Sat. 1—Science news	W1XAL	(11.75)
+2:45 p.m.—Ex. Sat. 1—News in Portuguese (South America)	W2XAB	(11.22)
+3 p.m.—Another news	W1XAL	(11.75)
7:45 p.m.—Variety program from Switzerland	W1B	BBR
+7:55 p.m.—North African program from Czechoslovakia	OLRS5A or OLRS5B	
8:30 p.m.—Ski-Max contest	IJB, DJB, DJP	
9 p.m.—Brand on the Air	PSH	(10.22)
9:45 p.m.—ZBII + mid夜 2104, 10P	IHF	
11 p.m.—Guatemalan program (North America)	TGW4	+9.555

Tuesday, August 23

7:15 a.m.—Fifth Cricket Test Match: England vs. Australia	GSE, GSG, GJ	values at 8.20, 9.15, 10.30 a.m. and 1:25 p.m.
9:10 a.m.—Song and music	PSH	
3:30 p.m.—Clacton Nights	LS8	GSE
4:50 p.m.—"Brave of the Brave"	GSE	
5 p.m.—Circus, "She Stoops to Conquer"	GSE	
5:45 p.m.—Argentine music	CKY	
9:25 p.m.—Opera, "The Bride of Messina";	OLRS5A	+10.150
9:45 p.m.—Program from Costa Rica	W1XAL	
10:15 p.m.—Opera, "The Marriage of Figaro";	IJB, DJB, DJP	
10:20 p.m.—Central European Review of Affairs	OLRS5A or OLRS5B	

Wednesday, August 24

6:45 a.m.—Fifth Cricket Test Match: England vs. Australia	GSE, GSG, GJ	values at 8.20, 9.15, 10.30 a.m. and 1:25 p.m.
12:20 p.m.—"World Affairs," Pres. J. L. Brierley.	GSE, GSG, GJ	
3:45 p.m.—Promenade Concert; BBC Symphony Orchestra; Sir Henry Wood, conductor; GSE		
7 p.m.—Midsummer Quietude	DJB, DJH	
8 p.m.—Budapest program	WAT4	
8:45 p.m.—Latin music	2104, BPF	
10:15 p.m.—Cuban Spanish music	DJB	
11:50 p.m.—Music at Twilight	GSD, GSE	

Thursday, August 25

8:15 a.m.—Philip Matell's orchestra	GSE, GSG, GJ	
9:30 a.m.—Phoebe Jacobs Ensemble	PHI	
11:15 a.m.—Drama, "Steamboat."	GSE, GSD, GSI	
2:50 p.m.—Webs & voices	GSE, GSD	
4:20 p.m.—You Shall Have Music	Louis Levy	GSE, GSD
6 p.m.—Chamber music	DJB, DJD</td	

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)
CJRX, Canada 6.15 GLRSAA, Czechoslovakia 9.50
CJRX, Cuba 11.72 GLRSAA, " 11.54
COCB, " 9.42 GLRSAA, " 11.54
COCO, " 6.01 GLRSAA, " 11.54
COCG, " 8.125 GLRSAA, " 11.54
COTY, " 11.805 GLRSAA, " 11.54
CSW, Portugal 9.75 GZT, Denmark 9.50
CXAS, Uruguay 9.65 PCJ, Holland 9.18 15.22
DJB, Germany 15.20 PHL 17.775
DJC, " 8.02 PRPS, Brazil 9.50
DJB, " 15.77 RAI, U.S.S.R. 9.60
DJB, " 15.11 RAI, " 15.08
DJB, " 11.855 RNE, " 12.00
EASZS, Uruguay 15.27 RVEA, " 9.00
EAQ, Spain 8.155 RPD, Sweden 11.705
EAB, " 9.49 RPD, Poland 11.53
EATRA, Spanish Morocco 14.05 TPA, Ireland 12.25
ESRA, Tahiti 7.11 TIANRH, Costa Rica 9.50
GSA, England 6.06 RAI, " 9.495
GSA, " 8.51 TPAZ, France 15.24
GSC, " 9.58 TPAZ, " 11.45
GSD, " 11.73 TPAZ, " 11.71
GSE, " 11.86 TPAZ, " 11.835
GSI, " 15.14 VERSON, Canada 9.005
GSO, " 17.79 VSHME, Australia 9.20
GSH, " 21.47 VSHME, " 9.51
GSI, " 15.26 VLR, " 9.51
GSI, " 21.58 VPDZ, Fiji 9.51
GSL, " 6.11 VPZL, St. Kitts 6.35
GSO, " 15.18 VUDL, India 9.51
GSP, " 15.21 VUDL, " 15.18
HAT4, Hungary 9.12 WIXAL, Boston, Mass.
HBB, Switzerland 15.525 15.25, 11.79, 6.04
HBL, " 9.34 XEZZ, Mexico, D.F. 6.18
HBO, " 11.402 XEZA, " 6.172
HBP, " 7.80 TSD, El Salvador 7.795
HPSA, Panama 11.7 YVSRC, Venezuela 9.57
HPSJ, " 8.60 ZEWB, China 9.525
HSAEP, Siam, 8.51, 15.02 ZEWB, British 10.8
IHF, Italy 9.63 Modena 9.63
IDY, Kwantung 9.925 ZHE, So. Africa 9.63
JZK, Japan 11.85 ZRD, S.A. Kamikita 6.01
JZK, " 15.16 ZRD, Italy 9.635
JZL, " 17.755 ZRD, " 11.81
LRX, Argentina 9.06

Short-wave programs of American stations are shown along with the regular listings beginning on page 24. These are indicated, for example, by (ew. 11.27) in parentheses following a program listing. This means that on 11.27 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1.35 a.m., JZK; 2.50, GSG, GSD, GSE, GSG, GSI; 8.45, JDY; 9.30, GSF, GSG, GSH, GSD; 9.55, JZK; 12 noon, GSF, GSG, GSD, GSJ; 2 p.m., GSD, GSG, GSH; 3-10, TPAZ; 5-15, GSH, GSG, GSD, GSP; 5-30, OLRSA or OLRSB; 5-45, EA9AH; 7, HPSA; 7.05, JZK, JZL; 8, EA9AH; 10, RAX, RKE; 8-35, IHE, ZRD; 9-40, GSD, GSD, GSG, GSP; KAR; 9, EA9AH; 9-15, DJB, DJD, DJF; 10-45, C28D, CJRX, 11, TPAZ; 11-30, DJB, DJD, DJF, GSH, GSC, GSD, GSI.
Daily except Sundays—9-20 a.m., VR3LR.
Mon., Tues., Thurs., Fri.—9.50 p.m., OLRSA or OLRSB.

Sunday, August 28

8 a.m.—Overseas hour (Eastern U. S. A.) JZK
9 a.m.—Variety program: DJB
9 a.m.—International church: COCQ
9 a.m.—Overseas hour (South Seas): JZK
9:15 a.m.—Report of the March-Past of the "Bijzondere Vrijwillige Landsturm" on the occasion of the 40 Years Coronation Jubilee of Queen Wilhelmina: PCJ (15.22)
12:10 a.m.—Symphony concert: DJB
1:15 p.m.—100 de Oro Marimba Band: TGWA (15.17)
2:20 p.m.—John MacArthur Quintet: GSG, GSI
2:45 p.m.—League of Nations program: HBB, HBQ (6.675)
5:20 p.m.—War news in English: EA9AH
5 p.m.—Latin organ music: COCO
7 p.m.—Overseas period (Eastern North America): JZK, JZL
7 p.m.—Polish program (North America): SPW (ew)
7 p.m.—Cuban Crosses network program: COCQ (15.01)
7 p.m.—Spanish news: W3NAL (17.78)
7 p.m.—Portuguese program (North America): VWSR (9.74)
7:15 p.m.—Our Sunday concert: DJB, DJD
7:45 p.m.—Spanish news: W2XNE (11.83)
8 p.m.—Portuguese news: W3NAL (17.78)
8 p.m.—El Salvadoran program: VSD
8 p.m.—Soviet program (North America): RIAA
8:15 p.m.—PRIBRI program (North America): RIAA (9.59)
8:30 p.m.—English news: ZRD, IRF
8:40 p.m.—Latin news: EA9AH (9.455); EAQ
8:45 p.m.—Opera, "Il Travatore": ZRD, IRF
9 p.m.—Nationalist program (North America): Salamanca (10.37)
9:15 p.m.—English news: DJB, DJD, DJF
9:30 p.m.—Jamaica on the Air: HBB (15.325)
9:30 p.m.—North American broadcast: TPS
9:30 p.m.—Spanish news: TSB, GSD
9:30 p.m.—Portuguese news: GSH, GSO
10 p.m.—Program from Miami, Florida: W4XB (16.04)
10:30 p.m.—Danish program (North America): OZF
11 p.m.—English news: TPS, TPAZ
12:45 a.m. (ex. Sat.)—Program from South America: ZRN, ZCH
1:30 a.m.—Overseas hour (West Coast): JZK

Key to Symbols Used: *Daily; †Week Days;
MMonday, Thursday; ‡Monday, Tuesday, Thursday, Friday, Saturday, Sunday; SSaturday;
††Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DXers' Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

A COMMENTARY describing the thrilling Tourist Trophy Motor Race to be held at Donington Park, England, on Saturday, September 3, will be broadcast over Daventry Stations GSF, GSG and GSI at 6:45 a.m. and over GSD and GSI at 12:10 a.m. EDT. The distance for scratch starters will be one hundred laps of the three-and-one-eighth-mile circuit. Short-Wave Station HH2S (5.925) of Port-au-Prince, Haiti, is now broadcasting an interesting all-English program entitled the "Jamaica Hour," nightly from 9:30 to 10 p.m. EDT. These programs, arranged in Jamaica, consist of sprightly music and talks suitable for listeners on that isle. Reception reports can be sent direct to the above-named station or to Mrs. Violet Allwood of "Vermont," Chapelton, Jamaica, B. W. I.

Akisusa Saito of Kumamoto, Japan, writes that the time schedule of the daily overseas broadcasts for Eastern North America has been altered to the following: 8-10 8:30 a.m. EDT over JZK, and from 9:30 to 10 p.m. EDT over JZL.

Your columnist has been honored by Radio Pioneer Amando Cespedes Marin of TI4NRH, Heredia, Costa Rica, in that he has been made a "Caballero" of the NRH Fraternal Order and in recognition of this fact has received a handsome silver medal engraved in gold, suspended from the red, white and blue silk ribbon of Costa Rica. Señor Marin received more than 4,000 reception reports from all parts of the world during the course of the May broadcasts celebrating the tenth anniversary on the air of TI4NRH.

Some time during the month of September I hope to have the honor of entertaining this grand old man of radio, as he is soon to visit this country, his first since 1906. In writing about his impending visit, in his own inimitable words, he said: "This letter to you is the sunshine glory of a happy man that thinks U. S. A. is

near to him, and that by September first week, my eyes will be looking at wide open, to recognize whatever I left 32 years ago."

The 100-watt stations of the orange network of Pan-American Airways, operating between Seattle, Wash., and Ketchikan and Juneau, Alaska, have been licensed to communicate on any one of the following frequencies: 16.44, 12.33, 8.22, 6.57, 5.692, 5.165, 3.082, 2.986 and 1.638 megs.

SHORT-WAVE SHORTS: August Balbi of Los Angeles, Calif., reports that CJRX (11.72) and CJRO (6.13) of Winnipeg, Canada, have only been operating on Saturdays from 5 p.m. to 12 midnight EDT of late . . . "Radio Martinique" (9.7), Fort-de-France, Martinique, is relaying "Paris Mondial" Tuesdays and Thursdays from 6:30 to 7:30 p.m. EDT . . . The call letters for the new Zenith television transmitter which is to be installed near Chicago, Ill., will be W9XZV . . . PRAZ (6.015) of Pernambuco, Brazil, is being heard irregularly near 5 p.m. EDT . . . F. W. Ogilvie, president and vice-chancellor of the Queen's University, Belfast, Ireland, has been appointed director-general of the British Broadcasting Corporation . . . Starting Sunday, August 28, the news-bulletin in the first part of transmission IV from Daventry will be heard at the new time of 2 p.m. EDT . . . Harold Clein of Los Angeles, Calif., informs me that the new verification cards for VP2LO (6.384) of St. Kitts, are issued in any one of the following colors: blue, rose, mauve, pink or cream. The call is in maroon and the station data in royal blue. Since December 20, 1937, more than 7,000 verifications have been issued by this station.

Remote Iran is soon to be on the air. The Iranian government has placed an order for two 20,000-watt short-wave transmitters for Tcheran. The call letters will be EQC and EQB and the stations will operate on 9.68 and 6.155 megs respectively.



Sir Noel Ashbridge, BBC's controller of engineering, enlightens listeners to Daventry stations in his occasional talks on technical topics

Monday, August 29

8 a.m.—Archbold Expedition of the American Museum of Natural History in Indiana, New Guinea, contacts U. S. stations PK6XX (14.02).
8:45 a.m.—Program from Hong Kong: ZBW3.
8:45 a.m.—Siamese broadcast: HS8U (19.02).
11 a.m.—Antonia Butler, cello, GSF, GSG, GSI.
11:30 a.m.—Program from the Vatican: HVJ (15.12).
3 p.m.—Promenade Concert: BBC Symphony Orchestra conducted by Sir Henry Wood: GSG.
9:55 p.m.—Broadcast from St. Kitts: VP2LO (6.384).
10:45 p.m. (ex. Sat.)—News: W2XAD (15.33); W2XNE (19.53).
11 p.m.—(ex. Sat.)—Science news: WIXAL (11.79).
11:45 p.m. (ex. Sat.)—News in Portuguese (South America): W2XNE (11.83).
12 p.m.—The Monitor views the news: WIXAL (11.79).
12:45 p.m.—North American program from Czechoslovakia: OL15A or OL15B.
8 p.m.—German Study Club: DJB, DJD, DJP.
9 p.m.—"Brazil on the Air": PSII (10.22).
9:15 p.m.—Cordy and the French: ZRD, IRF.
10:30 p.m.—Trede Attraction: CDCW (9.855).
11:30 p.m.—Transmission from the Casino de la Maya: OCD (6.13).

Tuesday, August 30

8:45 a.m.—Science and the Public: GSF, GSG, GSI.
11:20 a.m.—Victor Silvester's Orchestra: GSF.
3:30 p.m.—Seabourn Nights: GSG, GSI.
7:15 p.m.—Karl V. Hall, violin: DJB, DJD.
7:20 p.m.—"Topics of the Day," Commander Stephen King-Hall: GSG, GSP.
8:05 p.m.—Play, "Timothy Thimble's Boat": GSG.
8:45 p.m.—Typical orchestra: YVSRC.
9:45 p.m.—Argentine music, Garibaldi and Cattaneo, violin: CGP.
9:20 p.m.—Oratorio, "Seata Ludmila": OL15A or OL15B.
10:45 p.m.—Program from Costa Rica: TI4NRH.
10:50 p.m.—Central European Review of Affairs: OL15A or OL15B.

Wednesday, August 31

8 a.m.—County cricket: Surrey vs. Lancashire and Sussex vs. Yorkshire: GSF, GSG, GSI.
10:30 a.m.—The Birthday of Queen Wilhelmina: PCJ (15.22).
12:40 p.m.—"World Affairs," H. Wickham Steed: GSF, GSG, GSI.
3 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry Wood: GSG.
7:15 p.m.—Variety hour: DJB, DJD.
8 p.m.—Budapest program: HAT4.
8:30 p.m.—Ketty Mege, vocalist: YVSRC.
9:45 p.m.—Program from Sweden (North America): SBP.
10:35 p.m.—BBC Empire Orchestra: GSD, GSI.
11:15 p.m.—Erna Weinberger, pianist: DJB, DJD.

Thursday, September 1

7:45 a.m.—Leslie Whittaker: GSF, GSG, GSI.
9:55 a.m.—Musical program: PCJ (15.22).
12:35 p.m.—County Cricket: Surrey vs. Lancashire and Sussex vs. Yorkshire: GSF, GSG, GSI.
4 p.m.—Baird Cotton's Band: GSG, GSI.
4:30 p.m.—Speedway Racing, World Championship Finals: GSG, GSI.
5:35 p.m.—BBC Empire Orchestra: GSG, GSP.
7:30 p.m.—Popular orchestra: YVSRC.
8 p.m.—Orchestra Muzette: LRX.
8:45 p.m.—Selections from operas: ZRD, IRF.
9 p.m.—Northfleet Silver Band: GSG, GSP.
11 p.m.—Roy Henderson, clarinet: GSD, GSI.

Friday, September 2

7:30 a.m.—Henry Hall's Orchestra: GSF, GSG, GSI.
10 a.m.—Herman Durwitski's Band: GSF, GSG.
12:30 p.m.—County Cricket: Surrey vs. Lancashire and Sussex vs. Yorkshire: GSF, GSG, GSI.
3 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry Wood: GSG.
5 p.m.—English news: LSY (18.15) LRA (9.57).
6:30 p.m.—Dave Frost's Band: GSG, GSP.
7:15 p.m.—Cottage Orchestra: YVSRC.
7:45 p.m.—Eugenio Castellanos, pianist: YVSRC.
8:45 p.m.—Guest night: ZRD, IRF.
9 p.m.—Expo Heat: OCD (9.43).
9:15 p.m.—Salvador Santaella's Orchestra: YVSRC.
9:45 p.m.—Amy Bernard: ZRD, IRF.
9:30 p.m.—The Schmidt's at Home: DJB, DJD.
10:20 p.m.—Play, "Braves of the Brave": GSD.

Saturday, September 3

6:45 a.m.—Motor Racing: The Tourist Trophy Race: GSF, GSG, GSI.
9:55 a.m.—History of the Netherlands During the Reign of Queen Wilhelmina: PCJ (15.22).
12:30 p.m.—Henry Hall's Orchestra: GSF, GSG.
4:30 p.m.—Big Percival's Band: GSG, GSI.
6 p.m.—Tourist hour: IP5A.
7:15 p.m.—Topendas Orchestra: YVSRC.
8:20 p.m.—Ten Pianos in Harmony: GSF, GSP.
8:30 p.m.—Harry Day's Band: CXAB (19.61).
8:45 p.m.—Venezuelan Typical Orchestra: YVSRC.
9 p.m.—Hour of Costa Rica: TI4NRH (6.41).
11 p.m.—Opera: OA2X4.
12 mid.—Northern Messenger, messages to those in the Arctic: VERSDN.

Log of Short-Wave Stations
Whose Programs Are Listed

Megacycles or thousands of kilocycles shown			
COCM, Cuba	9.43	OLRE3A, Carchi	9.38
COCO	6.61	Slevenia	11.85
COCQ	9.725	OLB5A	11.78
COGF	11.205	OLX4B	11.52
CSW, Portugal	8.74	OLR5A	11.82
CAAS, Uruguay	8.61	OLR5B	11.83
DJB, Germany	15.30	OZP, Denmark	9.38
DJC	8.28	PCJ, Holland	9.30-15.22
DJD	11.77	PHL	11.77
DJL	11.21	PRFB, Brazil	9.30
DJP	11.225	RAM, U.S.S.R.	9.30
FAJ43, Canaries	10.27	RMI	11.85
FAQ, Spain	9.385	RNE	11.80
LAR	8.49	RTB	8.00
LA-SAH, Spanish	8.85	RRF, Sweden	11.70
Morocco	14.88	RPD, Poland	11.33
FOAAA, Tahiti	7.11	RTW	11.85
USA, England	8.08	RTZ, Ireland	11.72
GBR	8.31	RUHMM, Costa Rica	
GSC	9.58	RVA	9.058
GHD	11.55	TAZ	11.86
GHE	11.64	TFAI	11.71
GIF	15.	TPB	11.845
GIR	17.78	VE9DN, Canada	4.005
GIL	21.47	VK3ME, Australia	8.35
GIZ	15.28	VK3ME	8.31
GIC	21.58	VLR	8.38
GIG	8.21	WPDE, Peru	9.34
GIP	15.15	WPLO, St. Kitts	6.38
HAT4, Hungary	8.12	YU2G, India	9.39
HBR, Switzerland	14.325	YU2G	11.88
HBL	9.38	WIXAL, Boston, Mass.	
HBO	11.482	WZB	11.70-11.72
HBP	7.80	XEBC, Mexico, D.F.	6.12
HPSA, Panama	11.7	XECA	8.12
HTS1	8.00	YV2D, El Salvador	7.88
HN-EP, El Salvador	8.31	YV2E, Venezuela	9.37
IQT, Italy	10.22	ZBWB, China	9.85
IRF	8.83	ZK2K, British	
IDY, Kwangtung	8.95	Honduras	10.6
JZD, Japan	11.80	ZK2K, So. Africa	9.81
JEK	15.18	ZM1, S. Kamtschatka	7.73
JZL	17.325	ZBOS, Italy	8.625
JZD	11.875	ZBUD	11.81
LRX, Argentina	8.00		

Shortwave programs of American stations are shown along with the regular listings beginning on page 32. These are indicated, for example, by (am-11.37) in parentheses following a program listing. This means that an ILSAT megacycles the same program may also be heard over an American shortwave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m. JZN, 2:50, GSC, GSD, GSE, GSJ, GSU; 8:45, JPY, 9:30, GSF, GSJ, GSU, GSZ, 9:55, JPK; 12 noon, GSF, GSD, GSH, GSI, 2 p.m., GSD, GSH, GSI, 3:10, TPA3, 5:15, GSR, GSF, GSG, GSD, GSP, 5:30, OI-RSA or OI-RSH, 5:45, EA9AH, 7, 10:54, 7:05, JPK, JZL, 1, FA9AH, HPS1, RAK, HKL, 8:35, IBI, 20:04, 8:40, GSB, GSD, GSG, GSF, GSP, EAR, 5, EA9AH, 9:15, DJB, DJD, DJP, 10:45, CJNO, CJRX, 11, TPA4, 11:30, IUB, DJD, DJP, GSD, GSH, GSJ, GSU

Daily except Sundays—9:20 a.m., YK3LB

Mon., Tues., Thurs., Fri.—9:50 p.m. OI-RSA or OI-RSH

Sunday, September 4

8 a.m.—Broadcast from M. V. "Kanumba," 9M1

*8 a.m.—Overseas hour (Eastern U.S.A.); JZK (22)

9 a.m.—Naval Review at Scheveningen; PCJ (15.22)

*9 a.m.—Variety program, DJL

*9 a.m.—International church; COCQ

*9 a.m.—Overseas hour (South Seas); JZK, JZD

10:40 a.m.—"Unusually Yours, John Marks"; GSF, GSG, GSJ

12:10 p.m.—Symphony concert, DJB

*1:45 p.m.—Bla de Oro Marimba Band; TGWA (15.17)

2:45 p.m.—League of Nations program; IBB, IBBQ (15.675)

2:55 p.m.—Wesley Chapel services; GSG, GSJ

4:05 p.m.—Victorian Melodies; GSG, GSJ

5:20 p.m.—War news in English; FA9AH

*7 p.m.—Overseas period (Eastern North America); JZK, JZL

*7 p.m.—Polish program (North America); SPW, SPW

*7 p.m.—Cedars Crusaders network program; COCO, COCQ

*7 p.m.—Spanish news; W2XAL (17.78)

*7 p.m.—Portuguese program (North America); CW3W (17.74)

7 p.m.—Voice of Hawaii; KQII (14.92)

7:15 p.m.—Our Sunday Concert; DJB, DJD

*7:45 p.m.—Spanish news; W2XAL (17.78)

*8 p.m.—Portuguese news; W2XAL (17.78)

*8 p.m.—El Salvadorian program; TSD

*8 p.m.—Soviet program (North America); RAK, HKL

*8:30 p.m.—English news; ZB04, IRF, IQY

*8:45 p.m.—Opera; ZB04, IRF, IQY

*9 p.m.—Nationalist program (North America); Salamatia (10.37)

*9:15 p.m.—Greek news; DJB, DJD, DJP

*9:30 p.m.—Jamaica on the Air; HIB2S (15.925)

*9:30 p.m.—North American broadcast; TPB?

*9:30 p.m.—Spanish news; GSB, GSO

*9:45 p.m.—Portuguese news; GSB, GSO

*10 p.m.—Program from Miami, Florida; W4XB (16.04)

*10:30 p.m.—Brazilian program (North America); IZP

*12:45 a.m. (ext. Sat.)—Program from South Africa; ZM1, ZK2

*1:30 a.m.—Overseas hour (West Coast); JZK

Key to Symbols Used: *Daily; **Twice Daily;
†Monday, Thursday; ††Tuesday, Thursday, Saturday;
‡Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

INTERESTING and colorful festivities in connection with the forty-years Coronation Jubilee of Queen Wilhelmina of The Netherlands will be featured in this week's broadcasts over short-wave station PCJ (15.22) of Huizen, Holland. The actual ceremony of the official homage of the Queen in the "New Church" at Amsterdam will be broadcast on Tuesday, September 6, at 5:40 a.m. EDT. Other outstanding events upon which commentaries will be given include: "The Naval Review at Scheveningen" on Sunday, September 4, at 9 a.m. EDT; the arrival of the Queen at the station at Amsterdam, and her subsequent arrival at the Palace at the "Dam," on Monday, September 5, at 8:10 a.m. EDT. Flashes from the "Oranjebal" in Krasnopol'sky; report on the aviation festivals at Schiphol and the drive of the Queen in the royal coach through the city, on Wednesday, September 7, starting at 8:50 a.m. EDT; report on the launching of the new M. S. "Oranje," by the Queen, on Thursday, September 8, at 10:40 a.m. EDT, and a description of the gala performance in the Municipal Theater, on Friday, September 9, at 8:50 a.m. EDT. A commentary on this year's St. Leger, the last classic of the English flat-racing season, to be run on the Town Moor, Doncaster, will be broadcast from Doncaster, England, over stations GSF, GSG and GSJ, on Wednesday, September 7, at 7:55 a.m. EDT.

The American Hour from Rome, heard nightly from 8:30 to 10 p.m. EDT, is now being radiated over 2HO4 (11.81), IRF (9.83), and a new station, IQY (11.676).

Eugene Reinhard of Locust, New Jersey, writes that according to an announcement heard over short-wave station SPW of Warsaw, Poland, two new Polish stations, namely SP19 (15.12) and SP25 (26.65), will be testing soon.

SHORT-WAVE SHORTS: To his long list of remarkable receptions Ashley Walcott of San Francisco, California, has now added VHSU,

Salamanca Air Radio, in New Guinea, heard testing on 8.07, 8.54 and 2.6 megs, between 6:30 and 9 a.m. EDT. "Radio Hanoi" (11.9), announcing as "Le Radio Hanoi," in Hanoi, French Indo China, is being heard daily until 10:30 a.m. EDT, at which time it signs off with the selection "La Marseillaise." The first part of the program is in Chinese or Annamite, while the latter part is in French. To afford better reception to listeners in western Canada and northwestern United States, GSG (17.79) is now being used on transmission V1 from Daventry, nightly from 10:20 p.m. to 12:20 a.m. EDT. The Columbia Broadcasting System has requested the following additional frequencies for station W2XE: 6.18, 9.67, 17.83 and 21.57 megs. . . . G. T. Beyer of Chicago, Illinois, writes that EA9AH (10.37) of Tenerife, Canary Islands, is once more issuing verifications of reception; the new cards feature a picture of General Franco. . . . Listeners now have a chance to add still another unusual country to their logs. Amateur station CNIAP (14.285), located in Tangier International Zone, Africa, is being heard irregularly between 7:50 and 8:30 p.m. EDT. DZG (15.36) of Zeesen, Germany, transmits a special program in Portuguese for listeners in Brazil, Saturdays at 6 p.m. EDT.

The revised schedule of the new Lahti, Finland, stations is as follows: Daily, on 15.19 megs, 1 to 2 a.m. EDT; over OFE (11.78), 2:05 a.m. to 1:05 p.m. EDT and over OFD (9.5), 1:15 to 6 p.m. EDT. Earl Roberts of Indianapolis, Indiana, reports that Sunday mornings from approximately 1:05 to 1:45 a.m. EDT a religious program, consisting of organ selections and hymns may be heard from Lahti. An English announcement is made at 1:30 a.m. EDT. . . . On a recent Sunday afternoon, from 3 to 3:30 p.m. EDT, a Soviet station carrying the same program as RKT (15.03), Moscow, was heard on a frequency of 14.79 megs. This station must have been—according to all recognized lists—RTZ, in far-away Irkutsk, Siberia, just north of Mongolia.



On his recent visit to England Eddie Cantor "met" the British Broadcasting Corporation imitation of Charlie McCarthy. Named "Willie Winkett," it had its air debut on "Sing Song," a BBC variety program begun recently

Monday, September 5

8 a.m.—Archibald Expedition at the Australian Museum of Natural History in Hornsby, New South Wales, contacts U-5 station PK5NA (14.02)

8:30 a.m.—Program from Hong Kong; ZHW3

8:45 a.m.—Service broadcast; IRF-SPJ (19.02)

9:10 a.m.—Arrival of H. M. the Queen at Amsterdam; PCJ (15.22)

10:10 a.m.—Festive Entry of H. M. the Queen; PCJ (15.22)

10:15 a.m.—Arrival of H. M. the Queen at the Palace of the "Dam"; PCJ (15.22)

10:30 a.m.—H. M. Royal Dragoon Guards Band; GSF (16.15)

11:30 a.m.—Program from the Vatican; HVJ (15.12)

1:45 p.m.—Broadcast from St. Louis; VP2LO (16.384)

4:45 p.m. (ext. Sat.)—News; W2XAD (15.33)

W2XAF (19.53)

8:55 p.m.—North American program from Czechoslovakia; OI-RSA or OI-RSH

8:45 p.m.—Festival of Youth (with the children of St. Gault); HHJ HHJ

9 a.m.—Brazil on the Air; PNH (10.22)

9:15 p.m.—Talk "Indian Customs"; ZB04, IRF

9:45 p.m.—ZB04, Mail Bag; ZB04, IRF, IQY

11:30 p.m.—Tie-dye Attractions; COCM (19.35)

Tuesday, September 6

5:40 a.m.—Coronation Jubilee in the "New Church"; PCJ (15.22)

3:30 p.m.—Isle of Man Night; GSG, GSJ

4:45 p.m.—The Mexican Arms (the News); W2XAL (15.79)

8 p.m.—Mail Box; OI-RSA or OI-RSH

8:45 p.m.—Empire News; ZB04, IRF, IQY

9:15 p.m.—Argentine music; CGE

9:45 p.m.—Program from Costa Rica; THNBB

9:30 p.m.—English program from Curacao, Venezuela; YY5RR

10:30 p.m.—Central European Review of Affairs; OI-RSA or OI-RSH

Wednesday, September 7

8:05 a.m.—Youth Honors H. M. the Queen; PCJ (15.22)

8:50 a.m.—Flashes of the "Oranjebal," aviation festival; PCJ (15.22)

10:05 a.m.—The St. Leger Race; GSG, GSF

12:40 p.m.—World Affairs; GSJ, GSG, GSJ

3 p.m.—Bach Concert; GSG, GSJ

6 p.m.—Letters to the Happy Family; DJB, DJD, DJP

8 p.m.—Budapest program; HAT4

8:30 p.m.—Reich Party Convention 1938; DJB, DJD, DJP

9:45 p.m.—Program from Sweden; SPB

9:30 p.m.—Press review; DJB, DJD, DJP

10:20 p.m.—World Affairs; GSG, GSJ

11:30 p.m.—Harris Neville's Band; GSG, GSJ

Thursday, September 8

8:50 a.m.—Reports and Festive Music from Holland; PCJ (15.22)

10:40 a.m.—Launching of the new M. S. "Orange" by H. M. the Queen; PCJ (15.22)

1:20 p.m.—The Hanwell Silver Band; GSG, GSJ

2:30 p.m.—BBC Men's Chorus; GSG, GSJ

3 p.m.—Promenade Concert; GSG, GSJ

4:05 p.m.—Jane Austin in the West; GSG, GSJ

6 p.m.—Variety hour; DJB, DJD, DJP

8 p.m.—Orchestra Nostalgia; LBN

8:30 p.m.—Reich Party Convention 1938; DJB, DJD, DJP

8:45 p.m.—Selections from operas; ZB04, IRF

9:15 p.m.—Hawaiian Landmarks; ZB04, IRF, IQY

Friday, September 9

8:50 a.m.—Gala Performance in the Municipal Theater; PCJ (15.22)

9:10 a.m.—Doctorate of Economy Honoris Causa of H. M. the Queen; PCJ (15.22)

5 p.m.—English news; E-Y (18.115); LRA (16.69)

6:30 p.m.—Letters from Everywhere; DJB, DJD, DJP

7:20 p.m.—Background to Central Europe; GSG, GSJ

8:30 p.m.—Reich Party Convention 1938; DJB, DJD, DJP

8:45 p.m.—Guest night; ZB04, IRF, IQY

9 p.m.—The Esso Hour; COCH (19.43)

9:15 p.m.—"Home's Mosaic Voice," Amy Berney; ZB04, IRF, IQY

Saturday, September 10

8:40 a.m.—Report Flashes from the Entire Country; PCJ (15.22)

9:10 a.m.—Festivities in the Stadium at Amsterdam; PCJ (15.22)

3 p.m.—"Money! Money! Money!" A play by Arch Oboler (author of "Lights Out"), produced by Val Gielgud; GSG, GSJ

5:45 p.m.—Drama, "Steamboat"; GSG, GSJ

6 p.m.—Tourist Hour; HPSA

7:20 p.m.—Entire Variety Theater; GSG, GSJ

8:30 p.m.—Reich Party Convention 1938; DJB, DJD, DJP

8:45 p.m.—LiAR String Quartet; ZB04, IRF, IQY

9:15 p.m.—Tropical Talk; ZB04, IRF, IQY

11 p.m.—Opera, OANAJ

12 mid.—Northern Messenger; VE3DX

1 a.m.—Hawaii Call; KQII (14.92)

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
COCM, Cuba	9.43	OLR5A, Czechoslovakia	9.80
COCQ, " "	9.81	OLR5A, Czechoslovakia	11.84
COOF, " "	11.800	OLR5B, " "	11.76
CSW, Portugal	9.74	OLR5A, " "	11.23
CKAS, Uruguay	9.84	OLR5B, " "	11.32
DJB, Germany	15.80	OZT, Denmark	9.82
DJC, " "	6.85	PCF, Holland	13.23
DJD, " "	11.77	PHL	17.72
DJL, " "	15.51	TPF5, Brazil	9.50
DJP, " "	12.85	RAN, U.S.S.R.	9.66
EAIIS, Canaries	10.27	REI	13.03
EAI Spain	9.855	RNE, " "	13.00
EAK, " "	9.49	RVG9	6.90
EAPAH, Spanish Morocco	14.05	RPT, Sweden	11.705
FODAA, Tahiti	7.12	SPD, Poland	11.23
ORA, England	6.05	SP19, " "	11.19
GSE, " "	8.31	SP25, " "	11.23
GSC, " "	9.89	SP37, Iceland	11.23
GSD, " "	11.73	TANR8, Costa Rica	11.23
GSE, " "	11.86	BRA, " "	8.998
GSO, " "	15.51	TPFA, France	10.86
GSM, " "	12.79	TPFA, " "	11.26
GSM, " "	21.47	TPFA, " "	11.21
GSI, " "	15.86	TPFB, " "	11.56
GZL, " "	21.51	VERON, Canada	8.005
GZL, " "	8.11	VKME, Australia	9.59
GSO, " "	16.15	WHEME, " "	9.51
GSE, " "	15.31	WLB, " "	8.68
HAT, Hungary	9.12	WPDG, Fiji	9.94
HR, Switzerland	14.835	WPLO, St. Lucia	6.38
HRL, " "	6.94	WUDS, India	8.39
HDO, " "	11.405	WUDS, " "	15.16
HDP, " "	7.89	WIXAL, Boston, Mass.	
HPA, Panama	13.2	15.19, 11.79, 9.94	
HPSJ, " "	9.60	KFUX, Mexico, D.F., 8.12	
HPSJ, Spain, #51, 19.01	XPXA	6.172	
IQY, Italy	10.22	YSD, El Salvador	1.894
INT, " "	9.82	YVRC, Venezuela	1.97
JAY, Kwantung	9.925	ZBW3, China	9.125
JZL, Japan	11.60	ZINS, British	
JZK, " "	15.18	Honduras	10.8
JZL, " "	17.755	ZRN, Be. Africa	9.81
JZO, " "	11.075	ZMI, R.S. Kamitanga	8.91
LRA, Argentina	9.66	ZRO3, Italy	8.635
		ZRO4, " "	11.81

Short-wave programs of American stations are shown along with the regular listings beginning on page 85. These are indicated, for example, by (aw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—1:35 a.m., JZK; 7:50, GNL, GSD, GSG, GNI, GSO; 8:45, JDY; 9:30, GSF, GSG, GSH, GSI, GSO; 9:55, JZK; 12 noon, GNF, GSG, GSII, GSI; 2 p.m., GSD, GSG, GSII, 3:10, TPA3; 5:15, GSB, GNF, GSG, GSO, GSP; 5:30, OLRA4 or 11.848, 5:45, EA9AH, 7, HPSA, 8, EA9AH, HPSJ, RAN, RKA; 8:35, INF, IQY, ZR04, 8:40, GSB, GSD, GNG, GSH, GSP, EAR; 9, EA9AH, 9:05, JZL, 9:15, INR, DJD, DJP; 10:45, CJRD, CJRX, 11, TPA4; 11:30, DJR, DJD, DJP, GSB, GSG, GSP, GSI
Daily except Sundays—9:20 a.m., VK3LR
Mon., Tues., Thurs., Fri.—9:50 p.m., OLR5A or OLR5B

Sunday, September 11

5 a.m.—Broadcast from M. V. Kanimba: 9SH
*8 a.m.—Overseas hour for Eastern U. S. A.: JZK
*9 a.m.—Variety program: DJL
*9 a.m.—International church: COCQ
*9 a.m.—Overseas hour (South Seas): JZK, JZO
*1:45 p.m.—Rio de Oro Marimba Band: TGWA (15.17)
2 p.m.—RCA Magic Key: T0BZ (9.005); COCX (11.74)
2:40 p.m.—Ireland hour: TFI
5:20 p.m.—War news in English: EA9AH
*7 p.m.—Polish program (North America): SPW
SPD, SP19, SP25
*7 p.m.—Cadena, Brussels, network program: COCH, CICQ
*7 p.m.—Spanish news: W3XAL (17.78)
*7 p.m.—Portuguese program (North America): LWSW3 (9.74)
*7:45 p.m.—Spanish news: W2XAL (11.83)
*8 p.m.—Portuguese news: W3XAL (17.78)
*8 p.m.—El Salvadorian program: YSD
*8 p.m.—Soviet program (North America): RAN, RKI
8:15 p.m.—PHOIII program (North America): PCJ (9.59)
8:30 p.m.—Reich Party Convention 1938: DAB, DJD, DJP
8:30 p.m.—English news: ZR04, IIF, IQY
8:45 p.m.—Opera, "Il Trovatore": ZR04, IIF, IQY
9 p.m.—Florence Austral, Australian opera star: GSG, GSI
*9 p.m.—Overseas hour (Eastern America): JZL
*9 p.m.—Nationalist program (North America): Salamanca (10.37)
*9:15 p.m.—English news: DAB, DJD, DJP
*9:30 p.m.—"Music on the Air": IIB25 (5.925)
*9:30 p.m.—North American broadcast: TPB7
*9:30 p.m.—Spanish news: GSB, GSO
*9:45 p.m.—Portuguese news: GSB, GSO
*10 p.m.—Program from Miami, Florida: W4XB (16.04)
10 p.m.—Friendship hour: HC12H (14.42), IIF, IIP
(12.46)
*10:30 p.m.—Jewish program: OMF
*12:45 a.m. (ex. Sat.)—Program from South Africa: ZRK, ZHII
*1:30 a.m.—Overseas hour (West Coast): JZK
*2 a.m.—English DX period: XEIV

Key to Symbols Used: *Daily; **Week Days;
†Monday, Thursday; ††Monday, Thursday, Friday;
††Tuesday, Thursday, Saturday; §§Wednesday,
Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times indicated on this page are for Eastern Daylight Saving Time.
For EST and CDT subtract 1 hour; for CST, 2 hours;
for MST, 3 hours; for PST, 4 hours

WITH the fuse attached to the central European powder keg likely to be ignited at any moment listeners are more than ever interested in keeping in touch with first-hand accounts of what is happening in this danger zone from day to day. The official English news bulletin from Czechoslovakia may be heard on Mondays, Tuesdays, Thursdays and Fridays at 9:50 p.m. EDT, over one of the following stations: OLR5B (15.23), OLR5A (15.23), OLR4B (11.76) or OLR4A (11.84). The Central European Review of Affairs, may be heard over the same stations on Tuesdays at 10:20 p.m. EDT. Adolf Hitler's news periods in English, are radiated nightly at 9:15 and 11:30 p.m. EDT, over Zeesen, Germany. Stations DAB (15.2), DJD (11.77), and DJP (11.855). Great Britain's threats and simultaneous attempts at mediation are described daily at 8:40 p.m. EDT, over GSG (17.79) and GSP (15.31), and at 11:30 p.m. EDT, over GSG (15.28) and GSI (15.28).

The two new Polish stations SPI9 (15.13), and SP25 (11.74), are now broadcasting nightly from 7 to 10 p.m. EDT, in parallel with SPW (13.615) and SPD (11.535). Reports on these transmitters which are using antennas directional on North, and South America, should be sent to Polskie Radio Warszawa, Warsaw, Poland.

I am almost positive the mystery station on 15.105 mcs that is heard best from 5 to 5:30 p.m. EDT, is Ankara, Turkey. Reception from this far-away point steadily improves until DAB (15.2) puts its powerful carrier on the air at 5:30 p.m. EDT, thus completely blotting out the Ottoman transmitter. A female announcer, classical and some Oriental selections help to identify the station.

Some years ago the German short-wave station gave a course in the German language for its English listeners. The popularity of this series has prompted the German station to inaugurate a similar course of 26 les-

sions to start next October. Listeners interested in these studies are invited to write to German Short-Wave Station, Broadcasting House, Berlin, for a free German-English alphabet.

SHORT-WAVE SHORTS: Amateur Station CNIAF (14.3), located in Tangiers International Zone, is being heard with astonishing signals, usually near 6:30 to 7:45 p.m. EDT. Who can identify the station which is being heard evenings on 11.745 mcs, whose announcements are in Spanish, and which signs off at 9:30 p.m. EDT, with the German National Anthem, queries Clarence Hartzell of Jeannette, Pennsylvania? . . . KQH (14.92), of Kahuku, Hawaii, usually comes on the air Sundays at 12:30 a.m. EDT, half-hour prior to the start of the "Voice of Hawaii" program and tests with beautiful native Hawaiian recordings . . . Fred Alfred of London, Ontario, Canada, writes that CSW3 of Lisbon, Portugal, is now on a frequency of 9.87 mcs, where it is being heard daily from 6:30 to 9 p.m. EDT . . . W4XB (6.04) of Miami, Florida, operates weekdays from 2 to 4 p.m. EDT and from 10 p.m. to 1 a.m. EDT, and on Sundays from 5 to 7 p.m. EDT and from 10 p.m. to 1 a.m. EDT . . . According to Cyrus B. Will of Kenilworth, Illinois, Amateur Station PK6XX of the Archbold Expedition at Hollandia, Dutch New Guinea, may be heard on a frequency of 14.3 mcs, daily at 8:30 a.m. EDT . . . Recently I published a list of Latin stations that do not usually verify direct reports. According to Miss Jean Phinmont of Milwaukee, Wisconsin, two of these, namely, YV1RH of Maracaibo, Venezuela, and HJ7ABD of Bucaramanga, Colombia, are again verifying reports sent direct to the stations . . . The first-hand accounts of the speed trials at Bonneville Salt Flats, Utah, are originating over portable and mobile Short-Wave Transmitters KBIC and KBID (1.646, 2.09, 2.19, 2.83) and W6XCW (39.7, 39.9, 40.8, and 41.4). The low frequency relays have a power of 17 watts each and the ultra-high-frequency station a power of 5 watts.

Some years ago the German short-wave station gave a course in the German language for its English listeners. The popularity of this series has prompted the German station to inaugurate a similar course of 26 les-

Monday, September 12

8 a.m.—Amateur transmission from the Archbold Expedition: PK6XX (14.02)
8:45 a.m.—Program from Hong Kong: ZBW3
8:45 a.m.—Siamese broadcast: DSPP1 (19.02)
9:15 a.m.—Program from the Vatican: HVJ (15.12)
2:45 p.m.—"Kings of the Keyboard," Arthur Sandford: GSG, GSI
3:15 p.m.—"Wagners," BBC Symphony Orchestra, conducted by Sir Henry Wood: GSG, GSI
4:5 p.m.—Broadcast from St. Kitts: VP2LI (16.395)
5:45 p.m. (ex. Sat.)—News: W2XAD (15.33); W2XA (19.53)
6 p.m.—Variety concert: DAB, DJD
7:45 p.m.—German Study Club: DJB, DJD
8:45 p.m.—North American program: OL15A or OL15B
8:30 p.m.—Reich Party Convention 1938: IAB, DAB, DJP
8:45 p.m.—Various program: HBD, HBJ
9 a.m.—"Brand on the Air": PSB (10.22)
9:15 a.m.—Talk, "My Romeo Garden": ZB094, IIP, IQY
9:45 p.m.—ZB04 Mid-Bar: ZB04, IIP, IQY
10:05 p.m.—Play, "Man from Outside": GSG, GSI
10:30 p.m.—Teenie Attractions: EDCM (9.855)
11 p.m.—Guatemalan program: EGWA (19.685)

Tuesday, September 13

7:15 a.m.—Mr. Fortune and the Case of the Missing Kitten: GSF, GSG, GSI
3:30 p.m.—Midnite Nights: GSG, GSI
4:45 p.m.—The Monitor Views the News: WIXAL (11.79)
7:20 p.m.—Topics of the Day: Stephen King Hall: GSG, GSP
8 p.m.—Mail Bag: OLR5A or OL15B
8:45 p.m.—Empire Notes: ZB04, IIP, IQY
9:45 p.m.—Argentine music: COGF
11:45 p.m.—Program from Costa Rica: TIANHII
9:30 p.m.—English program: YY5RE
10:20 p.m.—Central European Review of Affairs: OL15A or OL15B

Wednesday, September 14

7:15 a.m.—Light Music from Sweden: GSF, GSG, GSI
12:40 p.m.—"World Affairs," Sir Malcolm Robert: GSF, GSG, GSI
2:20 p.m.—Mark Hamburg, pianist: GSG, GSI
3 p.m.—Roy Fox and His Band: GSG, GSI
7:20 p.m.—Empire exchange talk: GSG, GSP
8 p.m.—Budapest program: HAT4
8:45 p.m.—Around Italy with Music: ZB04, IIP, IQY
22:45 p.m.—Program from Sweden: SPB
9:15 p.m.—Light music: ZB04, IIP, IQY
9:30 p.m.—Press review: DAB, DJD, DJP
10:15 p.m.—Request concert: DAB, DJD, DJP
10:20 p.m.—World Affairs: GSG, GSI

Thursday, September 15

9 a.m.—Program from Hong Kong: ZBW3
6 p.m.—Don Cassatt Choir: DAB, DJD, DJP
7 p.m.—Light music: IAB, DAB
7:20 p.m.—Chamber music of Brussels: GSG, GSP
8:10 p.m.—Technical tips for the radio fan: DAB, DJD, DJP
8:25 p.m.—Haunting harmonies: GSG, GSP
9:15 p.m.—Talk, "The Life and Works of Cencio Bellini": ZB03, IIP, IQY
9:45 p.m.—Talk, "Migrations of the Indo-Germanic Peoples": DAB, DJD, DJP
10:15 p.m.—Rendezvous of lively folks: DAB, DJD, DJP
11:50 p.m.—Detectives in Fiction: GSG, GSI

Friday, September 16

3:30 p.m.—"Beethoven," BBC Symphony Orchestra, conducted by Sir Henry Hall: GSG, GSI
4:35 p.m.—International Sheep Dog Trials: GSG, GSI
5 p.m.—English news: LSV (18.115); LRA (9.69)
7:20 p.m.—"Background to Central Europe: Bulgaria," Talk by Lady Mairi: GSG, GSI
8 p.m.—German poets: DAB, DJD, DJP
8:45 p.m.—Guest night: ZB04, IIP, IQY
9 p.m.—Essay hour: COCH (9.43)
9:15 p.m.—Barrie's Midnight Voice: ZB04, IIP, IQY
9:45 p.m.—German Navigation: DAB, DJD, DJP
11:50 p.m.—International Sheep Dog Trials: GSG, GSI

Saturday, September 17

10 a.m.—Ida International Friendship Program from Hong Kong: VNSAG (14.06)
4 p.m.—BBC Hallucino: GSG, GSI
6 p.m.—Violin music: IAB, DAB, DJP
6 p.m.—Tourist hour: IP5A
7 p.m.—Weekend fireworks: DAB, DJD, DJP
8:30 p.m.—Harry Roy's Band: TXAS (9.64)
8:45 p.m.—Chamber music: ZB04, IIP, IQY
9 p.m.—Itzafel Gomzon's Orchestra: YY5HC
9:45 p.m.—The Hour of Costa Rica: TIPG (16.41)
9:15 p.m.—18th Century Music: ZB04, IIP, IQY
9:30 p.m.—Alaska Land: W2XAD (9.55)
9:30 p.m.—From the Ukrainian Dance Suite by Stan Bolter: DAB, DJD, DJP
10:30 p.m.—Radio Dr. GSG, GSI
11 p.m.—Opera: OAX41
12 mid.—Northern Messenger: YESON
1 a.m.—Hawaiian Calls: KQH (14.92)



Hubi, pure-blooded Zulu, once worked in Kimberley diamond mines. Now he's entertaining BBC listeners with the mbira—a kind of native South African piano which is played by plucking metal strips with the thumbs

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
COCM, Cuba	2.43	OLRSA, Cuba	9.25
COCO,	8.01	Slovakia	11.81
COCG,	9.725	OLRRA, "	11.76
COOF,	11.895	OLRRA, "	15.33
CSW, Portugal	8.74	OLRRA, "	16.32
CXAS, Uruguay	8.61	OLRRA, "	15.21
DJB, Germany	15.20	OZP, Denmark	9.21
DJO,	8.02	PCJ, Holland	8.49
DJD,	11.77	PHI,	17.77
DJL,	15.11	PRPS, Brazil	9.50
DJP,	11.855	RAN, U.S.A.	9.68
EAJA, Canary Is.	10.37	RHL,	16.03
EAS, Spain	9.335	RNE,	12.00
EAS, Spanish	8.40	RVS,	8.00
EASAH, Spanish	8.40	SPB, Sweden	11.705
Mexico	14.86	SPD, Poland	11.21
POSA, Tahiti	7.11	SPW,	13.64
OSA, England	8.80	SPB,	13.17
OSB,	8.31	SPS,	11.74
GSC,	8.33	TFI, Ireland	11.23
GSD,	11.75	TIANZIL, China	11.23
GSE,	11.86	RAE,	8.895
GSP,	15.14	TPAF, France	15.24
GSE,	15.79	TPA3,	11.89
GSR,	81.47	TPA4,	11.71
GSI,	15.80	TPA7,	11.76
GJZ,	21.84	VERSON, Canada	6.005
GSL,	8.11	VK2ME, Australia	9.30
GSO,	15.18	VHIME,	9.81
GSP,	15.31	VLB,	9.18
HAT, Hungary	8.12	VPD2, Fiji	9.34
HET, Switzerland	14.835	VPDLO, St. Kitts	8.35
HBL,	8.31	VEDT, India	9.39
HBO,	11.892	VGDS,	15.18
HBP,	7.30	WIXAL, Boston, Mass.	
HJTA, DO, Colombia	9.61	13.20, 13.29, 8.94	
HPSA, Panama	11.7	XEUZ, Mexico, D.F.	6.12
HPSA,	8.00	XKXA,	6.122
HSSP, Siam, 8.81	19.89	YRD, El Salvador	7.894
TOY, Italy	10.22	YVSEC, Venezuela	8.97
IRE,	8.82	ZBW2, China	8.826
JDY, Kwantung	8.925	ZKE, British	
JZP, Japan	11.86	ZKOB,	10.8
JZK,	15.16	ZKE, So. Africa	8.61
JZL,	17.785	ZMT, S. Vietnam	8.01
JZO,	11.875	ZRQ, Italy	8.836
LRX, Argentina	8.86	ZHO4,	11.81

Short-wave programs of American stations are shown along with the regular listings beginning on page 28. These are indicated, for example, by (ex. 11.77) in parentheses following a program listing. This means that on 11.77 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their assigned program schedules.

News Broadcasts

Daily—12.35 a.m.	JJK, 1.50; GSB, GSD, GSE
G-S, GSO, 7.45; JDY, 8.30; G-F, GNG, G-SH	
8.55; JZK, 11; GNF, GSG, GSH, GSE, 1 p.m.	
GSD, GSG, GSH, 3.10; TPA4, 4.15; GSB, GSE	
GSG, GSO, G-SH, 4.30; OLRA4, or OLRA4B, 4.45	
EATAH, 6; HPSA, 7; EA9AH, 10.52; RAN	
RKI, 7.30; ZHOM, HPSA, 7.40; 11-B, GSB	
GSO, GSD, G-SH, 8; EAJA, 8.05; JZK, 8.15	
DJH, DJI, DJO, 9.45; CIRIO, 12.15, 10.30	
DJB, DJD, DJO, G-SH, GSD, G-SH, GSI, 11;	
TPA4.	
Daily except Sundays—8.20 a.m., VK3LE,	
Mon., Tues., Thurs., Fri.—9.30 p.m., OERSA or	
OLR5B.	

Sunday, September 25

7 a.m.—Overseas hour (Eastern U.S.A.) JZK
8 a.m.—Variety program DJI
9 a.m.—International church COG
9.30 a.m.—Overseas hour (South America) JZK, 2.0
10.45 a.m.—League of Nations broadcast IBBH (13.43)
12.20 p.m.—Concert by Winning Band in Alexandra Palace National Championship G-SG GSI
*12.45 p.m.—Elis de Oro Marching Band TGWA (15.37)
*1.30 p.m.—News in Italian W3NAL (17.73)
*2 p.m.—News in German W3NAL (17.73)
*3 p.m.—News in French W3NAL (17.73)
*5 p.m.—News in Portuguese W3NAL (17.73)
*6 p.m.—News in Spanish W3NAL (17.73)
*6 p.m.—Polish program (North America) SPW SPD SP19 SP25
*6 p.m.—Portuguese program (North America) G-SH (19.67)
*6.15 p.m. (ex. Sat.)—Morning Express PCJ (15.22)
*6.45 p.m.—News service W2XE (11.83)
*7 p.m.—News in Portuguese W3NAL (17.73)
*7 p.m.—British program (North America) RAN
7.30 p.m.—Saxifrage Choral Society DMB DJD
*7.30 p.m.—English news ZHOM IRF IQV
7.45 p.m.—Opera, "La Gioconda" ZHOM IRF IQV
*8 p.m.—News in Spanish W3NAL (17.73)
*8 p.m.—Overseas hour (Eastern America) JZK
*8 p.m.—Nationalist program (North America) Nalamex (10.37)
*8.15 p.m.—English news DJB DJD DJO
*8.30 p.m.—Jazz on the Air HILL (5.925)
*8.30 p.m.—North American broadcast TPB7
*8.30 p.m.—Spanish news GSI G-SH
*8.30 p.m.—Portuguese news GSB GSO
*9 a.m.—Program from Miami, Florida W4XB (15.04)
*9.30 p.m.—Danish program (North America) G-F
*10.30 p.m.—Baratarianada Mid Collet Hour (in English) IJ7ABD
*11.45 p.m. (ex. Sat.)—Program from South Africa ZRM ZHK
*12.30 a.m.—Over seas hour (West Coast) JZK
*1 a.m.—English DX period XELUZ

Key to Symbols Used: *Daily; ?Week Days;
#Monday, Thursday; \$Monday, Wednesday, Friday;
**Monday, Thursday, Friday; §§Monday, Friday;
†Tuesday, Thursday, Saturday; §§Wednesday,
Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

THE launching ceremony of the world's largest liner, the Cunard White Star Company's 85,000-ton vessel Queen Elizabeth, will be broadcast on Tuesday, September 27, at 9:15 a.m. EST, over Daventry stations GSF, GSG and GSJ. Great in every sense of the word, the Queen Elizabeth, with a total length of 1,030 feet, ten feet more than her companion ship, the Queen Mary, leaves the stocks only twenty-one months after the laying of her keel, and will be ready for her maiden voyage by 1940. Beatrice (Be) Lillie, a popular radio favorite in the United States, is home in London again, and will head the bill in the "Empire Variety Theater" production which is to broadcast from Daventry on Tuesday, September 27, at 9:30 a.m. EST, over Stations GSF, GSG and GSJ.

The early evening English news bulletin from Berlin, Germany, is now being radiated nightly from 7:15 to 7:30 p.m. EST, over DJB (15.2), DJD (11.77) and DJO (11.79).

Illinois, the state of Lincoln, is to be honored by the German short-wave stations in a special dedicatory broadcast which is to be transmitted on Monday, September 26, at 9:30 p.m. EST, over Zeesel Stations DJH, DJD and DJO. The program will present music by local composers or music devoted to this state and a talk of the impressions of the "State of Lincoln."

Richard Verbrugge of Detroit, Mich., writes that the mystery Soviet station on 15.18 megacycles has been definitely identified by English announcements as RV26, "Radio Center," Moscow.

A new variety show entitled "Morning Express" has been inaugurated over Huizen, Holland, Station PCJ2 (15.22), and is now being heard daily except Saturdays from 6:15 to 6:45 p.m. EST, and on Saturdays from 7:15 to 7:45 p.m. EST.

Guy Bigbee of Fort Benning, Ga.,

writes that he is hearing the new Ankara, Turkey, station on 9.465 megacycles, daily from 6:30 to 7 a.m. EST. Oriental and classical musical selections are featured, but no identification signal is utilized.

SHORT-WAVE SHORTS. Short-Wave Station EA8AF (7.3) is verifying reception reports with the same General Franco QSL card being issued by EAJ43 (10.37) of Tenerife, Canary Islands. . . After a wait of nine months, your columnist has finally received a verification of his reception report to K7PQ in Ketchikan, Alaska. The buff-colored card with large green call-letters bears the legend, "Greetings from Ketchikan, the first city of Alaska, Uncle Sam's Last Frontier". . . L. E. Gardiner of Cleveland, O., has received a letter from Dr. Roberto Levi, owner of HC2RL (6.035), Guayaquil, Ecuador, to the effect that he does not expect return postage accompanying reports of reception to his station. He said in part, "Ours is a cultural, not a commercial station". . . The new Headquarters Amateur Station of the Amateur Radio Relay League at West Hartford, Conn., has been given the call-letters W1AW, which were originally assigned to Hiram Percy Maxim, noted inventor and former president of the League. . . The Mormon Church of Salt Lake City, Utah, has been denied its request to build a powerful short-wave station. . . It is reported that W8XAL, Cincinnati, O., may soon operate on an additional frequency of 11.87 megacycles. . . I am informed that Short-Wave Station TG2 (6.193) of Guatemala City, Guatemala, is now issuing verifications in "Sirena," the new radio language first described in last week's column. . . Important schedule changes are about to be introduced in the transmissions from PHI and PCJ of Huizen, Holland, and listeners are advised to listen in on their programs for full details. . . August Bolbi of Los Angeles, Calif., reports a new Fort-de-France, Martinique, station on 5.95 megacycles, is being heard irregularly from 9 to 10:05 p.m. EST.

Richard Verbrugge of Detroit, Mich., writes that the mystery Soviet station on 15.18 megacycles has been definitely identified by English announcements as RV26, "Radio Center," Moscow.

A new variety show entitled "Morning Express" has been inaugurated over Huizen, Holland, Station PCJ2 (15.22), and is now being heard daily except Saturdays from 6:15 to 6:45 p.m. EST, and on Saturdays from 7:15 to 7:45 p.m. EST.

Guy Bigbee of Fort Benning, Ga.,

Monday, September 26

8:30 a.m.—Program from Hong Kong W2WB3
8:45 a.m.—Siamese broadcast HS8PJI (19.02)
9:10:30 a.m.—Program from Valencia HV2 (15.12)
9:25 a.m.—German mail bag W3XAL (17.78)
3 p.m.—"The Queen Elizabeth," building of the world's largest ship GSI GSI
8:45 p.m.—French mail bag W3XAL (17.78)
7:45 p.m.—Broadcast from St. Kitts VP2LO (6.385)
14 p.m. (ex. Sat.)—News in Portuguese (South America) W2XAF (11.23)
15 p.m. (ex. Sat.)—News W2XAF (9.53) W2XAD (15.33)
5:30 p.m.—Martha Harting, piano DJB DJD
6:45 p.m.—Sports review W2XAF (9.53)
**6:55 p.m.—North American program OLRSA or OLRSB

7:30 p.m.—Melody of the countryside IJB DJD
7:45 p.m.—Variety program IBBH IBB
8 p.m.—Lev Chonovsky's Orchestra LBN
8:15 p.m.—Pulitzer 2R04 IRF IQV
8:45 p.m.—Kerry Meek and Sonjaetta Flava TV5BC

9:30 a.m.—Special Broadcast for Illinois DJB
10 p.m.—Guatemalan program TGWA (9.685)
12:45 a.m.—Popular tunes and Opera orchestra JJK

Tuesday, September 27

9:15 a.m.—Launch of the Queen Elizabeth in the presence of the King and Queen GSF
9:30 a.m.—"Empire Variety Theater," featuring Bee Little, G-SG G-SH
2 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry Wood: GSF
7:15 p.m.—The Monitor Views the News WIXAL (11.79)
7:45 p.m.—Empire notes 2R04 IRF IQV
8 p.m.—Tunisian Symphonies 2R04 IRF IQV
8:15 p.m.—EFAR Symphonic Orchestra 2R04 IRF
8:30 p.m.—Meditative ensembles IJB DJD DJP
9:15 p.m.—Opera "Carmen": IJB DJD IJO

Wednesday, September 28

11:40 a.m.—"World Affairs," Prof. J. L. Boerly: G-SG G-SH
5 p.m.—The Hugo Fuchs BBC IBD IBD
6:30 p.m.—Tourism from Martinique Radio Mar rouge (9.625)
7 p.m.—Holdup program HATE
7:30 a.m.—Music all over Britain IJB DJD
7:45 p.m.—BBC National Orchestra LBN
7:45 p.m.—Annual Italy with Music 2R04 IRF
8:30 p.m.—Swedish program SPB
8:30 p.m.—Salon orchestra VV5BC
8:45 p.m.—Talk: Hindustani Music DJD DJP
8:45 p.m.—Liszt's "Faust" 2R04 IRF
12:45 a.m.—Japanese Symphonies Orchestra JJK

Thursday, September 29

9:15 a.m.—Central Band of H. M. Royal Air Force GSF GSI GSI
12:25 p.m.—Bush recital by James Cline, piano G-SG G-SH
2 p.m.—Elton Wilson's orchestra VV5BC
5:30 p.m.—Opera focus W2XAD (9.53)
7:30 p.m.—Play "The Katherine Way" DJD
7:45 p.m.—Selections from opera ZHOM IRF IQV
8:15 p.m.—BBC Symphony Orchestra 2R04 IRF
8:30 p.m.—Little German VIC DJB DJD DJP
9 p.m.—Dance music VV5BC
10:15 p.m.—Natalie Peter DJB DJD
12:45 a.m.—Koko current JJK

Friday, September 30

7:30 a.m.—Birds of the City GSF G-SG G-SH

<tbl_r cells="1" ix="2" maxcspan="1" maxrspan="1" usedcols="1

**Log of Short-Wave Stations
Whose Programs Are Listed**

(Megacycles or thousands of kilocycles shown)		
COCN, Cuba	9.43	OLRJA, Czechoslovakia
"	8.01	"
COCQ	9.125	OLRJA, " "
COGE	11.805	OLRJA, " "
CSW, Portugal	9.74	OLRJA, " "
CXAS, Uruguay	9.84	OLR5B, " "
DJB, Germany	15.20	OZT, Denmark
DJC	6.68	PCT, Holland
DJD	11.77	PRL, " "
DJL	15.11	PRF, Brazil
DJP	11.855	RAN, U.S.S.R.
EAJIS, Canaries	10.27	RIC, " "
EAG, Spain	9.355	RNE, " "
EAR	9.49	RVS, " "
EASAN, Spanish Morocco	9.55	SBD, Sweden
FOBAA, Tahiti	14.05	SPD, Poland
GSA, England	6.65	SPV, " "
GSE	9.51	SPV, " "
GSC	9.55	TPI, Iceland
GSD	11.75	TRIXME, Czechoslovakia
GSE	11.85	Bira, " "
GSE	15.14	TPAF, France
GSO	11.70	TPAF, " "
GSE	11.47	TPAF, " "
GSI	15.89	TPBT, " "
GSI	21.55	VENDM, Canada
GSL	6.11	VKME, Australia
GSO	15.18	VKME, " "
GSP	15.31	VLR, " "
HATI, Hungary	9.18	VPDF, Fiji
HBJ, Switzerland	14.575	VPILO, St. Kitts
HBL	9.34	VUDE, India
HBO	11.405	VUDS, " "
HBP	7.80	WIXAL, Boston, Mass.
HJARD, Colombia	9.65	15.25, 11.75, 8.04
HPSA, Panama	11.7	XEUX, Mexico, D.F., 8.12
HPSJ	9.60	XEXA, " "
HPSZ, Siam	9.51	YTFD, El Salvador
IOT, Italy	10.25	YVRC, Venezuela
IRF	9.83	ZBWS, China
JDT, Kwantung	9.225	ZIKZ, British
JZJ, Japan	11.80	Netherlands
JZK	15.16	ZRK, So. Africa
JZL	17.785	ZWI, R.J. Kenimbia
JZO	11.675	ZRCS, Italy
LRA, Argentina	8.64	ZRCS, " "

Short-wave programs of American stations are shown along with the regular listings beginning on page 28. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m.: JZK; 3, GSB, GSD, GSE, GSI, GSO, 7:45, JBY, 8:30, GSF, GSG, GSH, GSJ; 8.55, JZK; 11, GNF, GNS, GSH, GSJ; 1 p.m., GSD, GNG, GSJ; 3:10, TPA3; 4:15, GSI, GSE, GSG, GSO, GSP; 4:20, OLR4A or OLR4B; 4:45, EASAH, 6, IPUSA, 7, EASAH, HPSJ, RAN, RRI; 7:30, VH34, IRF, IQV; 7:40, GSB, GSD, GSG, GSO, GSP; 8, EAJ43; 8:05, JZK; 9:15, DAB, DJB, DJO, 9:45, CARO, CQRX; 10:30, IHR, DJB, DJO, GSB, GSC, GSD, GSI; 11, TPA4.

Daily except Sundays—8:20 a.m.: VK3LE.

Mon., Tues., Thurs., Fri.—9:30 p.m.: OLRSA or OLR5B.

Sunday, October 2

7 a.m.—Overseas hour (Eastern U. S. A.): JZK
8 a.m.—Variety program: JZK
8 a.m.—International church: EASAH
8 a.m.—Overseas hour (South Seas): JZK, JZO
8:15 a.m.—Musical Evening Party at the Court of "La Marquise de Saint Germain": PHI
10:45 a.m.—League of Nations broadcast: IHR (18:45)
12:20 p.m.—"Background to Central Europe," Lady Muir: GSG, GSI
*12:45 p.m.—Huc de l'Or Maximus Band: TIGWA (15:17)
*1:30 p.m.—Italian News: W3NL (17:28)
2 p.m.—German news: W3NL (17:28)
3 p.m.—French news: W3NL (17:28)
4:20 p.m.—War news in English: EA9AH
*5 (& 7) p.m.—Portuguese news: W3NL (17:28)
6 p.m.—Polish program (South America): SPW
SPD, SP19, SP25
6:15 p.m. (ex. Sat.)—Morning Express: PCJ (15:22)
6:45 p.m.—Spanish news: W2XL (11:83)
7 p.m.—Soviet program (North America): RAN
7:15 p.m.—PHOBII program for North America: PCJ (9:59)
7:30 p.m.—English news: ZR04 IRF, IQV
8 p.m.—Experimental program from Switzerland: (9:53)
8 p.m.—Overseas hour (Eastern America): JZK
8 p.m.—Nationalist program: SAMMARA (10:37)
8:15 p.m.—English news: IHR, DAB, DJO
8:30 p.m.—Jazzies on the Air: HHS2S (5:25)
8:30 p.m.—North American broadcast: TP87
8:45 p.m.—Spanish news: GSB, GSO
9 p.m.—Program from Miami, Florida: W4XB (6:04)
9:30 p.m.—Danish general (North America): OZF
*10:30 p.m.—Heratianada Milk Coffee Hour (in English): HLTABA
*11:45 p.m. (ex. Sat.)—Prairie Inn: South Africa: ZRK, ZRJH
*12:30 a.m.—Overseas hour (West Coast): JZK
1 a.m.—English DX news: XEUX

Key to Symbols Used: *Daily; ¹Week Days;
Monday, Thursday; ²Monday, Wednesday, Friday;
³Monday, Friday; ⁴Tuesday, Thursday, Saturday;
⁵Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

THE North American transmissions from Prague, Czechoslovakia, which are of unusual interest at the moment due to the critical situation in which the country is involved, are now taking place daily except Saturdays and Sundays, from 7:55 to 10:55 p.m. EST, over one of the following frequencies: OLR5A (15.23), OLR5B (15.32), OLR4A (11.84), or OLR4B (11.76). The news in English is read at 9:30 p.m. EST, a feature talk in English at 10:20 p.m. EST and the review entitled "Central European Review of Affairs" is heard on Mondays at 10:20 p.m. EST.

Features of topical interest, relating to the present Central European crisis, to be heard from Daventry this week include: "Topics of the Day" by Commander Stephen King-Hall on Tuesday, October 4, at 6:20 p.m. EST, over GSC and GSP; "World Affairs" by Sir Malcolm Robertson on Wednesday, October 5, at 11:40 a.m. EST, over GSF, GSG and GSJ; "Cards on the Table" on Wednesday, October 5, at 6:20 p.m. EST, over GSC and GSP, and "Matters of Moment" by Dr. Charles Hill, on Thursday, October 6, at 11:20 a.m. EST, GSF, GSG and GSJ . . . That very popular broadcast feature entitled "In Town Tonight," which includes the presentation of picturesque personalities and interesting people from everywhere, returns to the air on Saturday, October 8, at 2:30 p.m. EST, and will subsequently be heard each week at the same hour over Daventry Stations GSG and GSJ.

James Moore of San Francisco, Calif., reports hearing a mysterious new station whose call begins with a CR5, or CR9, at 9:45 a.m. EST, 6,035 mcs. Portuguese announcements and unusual native music leads Mr. Moore to believe the transmitter is located deep in the interior of Africa.

"RADIO LUXEMBOURG," 200,000-watt long-wave giant located at Junglinster in the Grand Duchy of Luxembourg, a continual headache to British radio authorities because its

programs are mainly sponsored by British advertisers, whereas all advertising is strictly banned from Great Britain's own stations, is now to further enlarge its scope of activities by the addition of a powerful short-wave transmitter which is to be completed before January, and will make advertising time available not only for British but for North and South American manufacturers as well.

All short-wave listeners are asked to be on the lookout for emergency messages from W10XAB (14.368), the headquarters station of the MacGregor Arctic Expedition. According to a news release of recent date, no word has been received for several weeks from the ice-bound ship bearing the homeward-bound party of explorers.

SHORT-WAVE SHORTS: WGN, owned by the Chicago Tribune, Chicago, Ill., is to be relayed intermittently by the newly acquired ultrahigh frequency Station W9XD . . . Amateure W3HA at Etnery, Henry, Va., is again playing broadcaster near 7 p.m. EST, on an illegal frequency of 10.635 mcs . . . Explorer Lincoln Ellsworth's plane has been licensed to carry a 100-watt radio transmitter for operation on 3.105, 6.21, or 12.042 mcs . . . COCO of Havana, Cuba, has shifted frequency back to 9.715 mcs. COCO of Havana, Cuba, is now operating on 5.992 mcs, where it badly heterodynes HJ3ABX (5.99) . . . Eugene Reinhard of Locust, N. J., writes that the new Swiss station at Berne, is operating on 9.535 mcs, weekdays from 1 to 2, 6:45 to 7:45 and 8 to 9 p.m. EST . . . An unidentified station on 9.67 mcs is relaying the nightly "American Hour from Rome" programs of ZR04 (11.81) . . . Hitler's "G-Men" still haven't located anti-Nazi Station "Deutsche Freiheits Sender," which, operating on a frequency varying from 9.75 to 10.1 mcs, daily from 4 to 5 p.m., gives announcements in German every quarter-hour and then boldly signs off with "Internationale," national hymn of the Communist party.



American listeners are getting news in English about the present European crisis via short wave. Items heard over OLRSA or OLR5B, Prague, Czechoslovakia, are broadcast from the press bureau (above).

Monday, October 3

8:2 a.m.—Program from Hong Kong: ZBWB
8:2 a.m.—Siamese broadcast: HSBI (19.02)
7:10:30 a.m.—Program from the Vatican: HVJ (15.12)
1:40 p.m.—Angling on the Severs: GND GSP
8:22:45 p.m.—German mail bag: W3XL (17.78)
8:35 p.m.—French mail bag: W3XL (17.78)
7:45 p.m.—Broadcast from St. Kith: V12LO (6.385)
9:45 p.m. (ex. Sat.)—News in Portuguese: W2XNE (11.82)
9:55 p.m.—Sports review: W2XAF (19.53)
10:45 p.m.—Sports review: W2XAF (19.53)

*11:45 p.m.—North America's program: OLRSA or OLRSB

8 p.m.—Leo Chernavsky's orchestra: LBN

8:15 p.m.—Japan information series: JPN

9:20 p.m.—Empire exchange talk: GND GSI

9:35 p.m.—"Barum"—The Greatest Show on Earth: GND GSI

9:50 p.m. (ex. Sat.)—Czechoslovak news in English: OLRSA or OLR5B

10:30 p.m.—Central European Review of Affairs: OLRSA or OLR4B

Tuesday, October 4

7:15 a.m.—"House Ships": GSF GSE GSD
10:15 a.m.—Drama "Steamboat": GSF GSE GSD
12:35 p.m.—Serge Kish Septet: GSG GSI
2 p.m.—"Racing Earl of Derby": GSF GSD
5 p.m.—BBC Empire Orchestra: GSF GSI
7:45 p.m.—"Monitor News": W3NL (11.79)
6:20 p.m.—"Topics of the Day": Stephen King-Hall: GSF GSP

7 p.m.—Mailbag: OLRSA or OLR5B

7:45 p.m.—Empire news: ZR04 IRF, IQV

8:45 p.m.—Venezuelan Typical Orchestra: VVSBC

10:10 p.m.—Spiritual music: OLRSA or OLR5B

10:40 p.m.—Brass band: OLRSA or OLR4B

Wednesday, October 5

6:30 a.m.—Nelson Elms, organist: GSF GSE GSI
8:15 a.m.—Meeting of the PHOBII Club: PHI
10 a.m.—BBC Empire Orchestra: GSF GSE GSD
11:40 a.m.—"World Affairs": Sir Malcolm Robertson: GSF GSG GSI
4:35 p.m.—Jubilee Concert: Sir Henry J. Wood, conductor: GSF GSI
6:20 p.m.—"Cards on the Table": GSF GSG
7 p.m.—Budapest program: HU7A
7:30 p.m.—North American hour from St. Kith: V12LO (6.385)
7:45 p.m.—International Orchestra: LBN
8:48 p.m.—Program from Sweden (North American SBI)
8:30 p.m.—Salon orchestra: VVSBC
9:20 p.m.—Music from Brazil: OLRSA or OLR5B
9:35 p.m.—Scenes from "The Old Ladies": GSD GSI

Thursday, October 6

8:15 a.m.—Local color talk: PHI
9:55 a.m.—"How He Lied to Her Husband," play by Bernard Shaw: GSF GSI GSD
11:20 a.m.—"Matters of Moment": Dr. Charles Hill: GSF GSG GSI
2 p.m.—Arendonk: GSF GSI
2:45 p.m.—Etienne Amiot, pianist: GSF GSI
7:30 p.m.—Popular orchestra: VVSBC
8 p.m.—Military music: OLRSA or OLR5B
8:15 p.m.—EIAR Symphony Orchestra: ZR04 IRF, IQV
10 p.m.—Dance music: VVSBC
9:40 p.m.—BBC Empire Orchestra: GSF GSI

Friday, October 7

8:15 a.m.—Talk by Hanse van Wagenvoort: PHI
9:15 a.m.—Band of the Royal Tank Corps: GSF
2:30 p.m.—Play, "Ending It": GSF GSI
3 p.m.—BBC Orchestra: GSF GSI
4 p.m.—English news review: LSY (18.115) LHA (9.69)
6:15 p.m.—Concert Orchestra: VVSBC
6:20 p.m.—Notes from the Royal Library: GSF GSG
6:45 p.m.—Eugenio Castellano, pianist: VVSBC
7:45 p.m.—Guest Night: ZR04 IRF, IQV
8 p.m.—Essex Hour: COCH (9.43)
8:15 p.m.—Amy Bernard: ZR04 IRF, IQV
9:10 p.m.—News from Subsaharan Africa: OLRSA or OLR5B
9:15 p.m.—Salvador Santaella's Orchestra: VVSBC
9:30 p.m.—Concert for violin: OLRSA or OLR5B
10:50 p.m.—Saxophone songs: GSD GSI

Saturday, October 8

8:15 a.m.—The Concertgebouw Opens the Season: PHI
9:40 a.m.—Callender's Senior band: GSF GSG GSI
12:30 p.m.—Ambrose's orchestra: GSF GSI
2:30 p.m.—"In Town Tonight": GSF GSI
3 p.m.—Music Hall: GSF GSI
3:45 p.m.—Franco-American Gigue Trotter Series: W3NL (17.78)
5 p.m.—World News: WIXAL (11.79)
6:20 p.m.—London by GSF GSP
7:15 p.m.—Orchestra Tupinambis: VVSBC
8 p.m.—Rafael Guinard's orchestra: VVSBC
8 p.m.—Hoof of Costa Rica: THG (6.41)
8:30 p.m.—Maha Laila: W2XAD (9.55)
9:45 p.m.—Concert Hour of the Air: W2XAD (9.55)
10 p.m.—Opera: QANJ
12 mid.—Northern Messenger: messages to those in the Arctic: VEVON

**Log of Short-Wave Stations
Whose Programs Are Listed**

(Megacycles or thousands of kilocycles shown)

COCN, Chile	9.43	GLRRA, Canada	8.50
COCO	9.91	St. Helena	11.54
COCQ	9.75	GLRRA	11.54
COBT	11.09	GLRRA	11.70
COW, Portugal	8.74	GLRRA	11.55
CXAS, Uruguay	8.81	GLRRA	11.55
DJB, Germany	10.30	OZP, Denmark	8.55
DJC	9.00	PCJ, Holland	8.50
DJD	11.17	PHE	11.75
DJL	10.21	TPF9, France	8.50
DJO	11.55	RAN, U.S.S.R.	8.50
EAJ43, Canada	10.27	RRI	11.00
EAQ, Spain	9.45	RME	11.00
EAK	9.48	RVAE	8.50
EATAN, Spain	9.50	SEB, Sweden	11.75
ELAEC, Malacca	10.95	SPD, Poland	11.50
ESFAA, Tahiti	7.11	SPW	11.50
ESG, England	5.60	SPF9	11.12
ESK	8.91	SPS	11.74
ESL	8.95	T24, Ireland	11.85
ESM	11.75	T24MR, Germany	8.80
ESP	11.86	RRA	8.80
ESP	10.14	TPA3, France	11.00
ESP	11.79	TPA3	11.00
ESP	8.47	TPA4	11.71
ESP	10.96	TPB7	11.55
ESP	8.84	VERON, Canada	8.00
ESP	8.31	VTRM, Australia	8.00
ESP	10.18	W3HME	8.50
ESP	10.21	VLR	8.50
ESTA, Hungary	9.19	VPO9, Yugoslavia	8.50
ESTA, Switzerland	10.43	VPSO, St. Kitts	8.50
ESTA	9.34	VPSO, India	8.50
ESTA	11.40	VUB3	11.10
EWK	7.02	WIXAL, Buenos Aires, Argentina	8.50
EWK	8.6	WIXAL	11.50
EWK, Panama	11.7	XEUX, Mexico, D.F.	8.10
EWK	8.60	XEXA	8.10
EWK	9.51	XPED, El Salvador	7.80
EWK	10.92	YVRC, Venezuela	8.97
EWK	10.32	YVRC, Venezuela	8.97
EWK	8.85	ZBWB, China	8.50
EWK	9.95	ZEXA, British	8.50
JZK, Japan	11.80	Zenders	8.50
JZK	10.19	ZERK, S. Africa	8.50
JZK	10.78	ZI4U, Z.S. Eszembie	8.50
JZK	10.65	ZRGS, Italy	8.50
JZK, Argentina	9.64	ZSO4	11.00

Short-wave programs of American stations are shown along with the regular listings beginning on page 84. Those are indicated, for example, by new (11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., JZK; 3, GSB, GSD, GSE, GSI; GSO; 7:45, JDY; 8:30, GSF, GSG, GSH, GSJ; 8:55, JZK, 11, GSF, GSG, GSH, GSJ, 1 p.m., GSD, GSG, GSJ; 3:10, TPA3; 4:15, GSB, GSF, GSG, GSO, GSP; 4:30, OLR4A or OLR4B; 4:45, EA9AH; 6, HPSA; 7, EA9AH, HP5J, RAN, RRI; 7:30, ZB04, IRF, IQY; 7:40, GSB, GSD, GSO, GSP; 8, EA43; 8:05, JZK; 8:15, DJB, DJD, DJO; 9:45, CJRO (JRX); 10:30, DJB, DJD, DJO, GSB, GSF, GSO, GSI; 11, TPA4 Daily except Sundays—8:20 a.m., VK3LH Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., OLR4A or OLR4B

Sunday, October 9

7 a.m.—Overseas hour for Eastern U. S. A.; JZK
8 a.m.—Variety program: DJL
8 a.m.—International church: FOKQ
8 a.m.—Overseas hour (South Seas): JZK, JZO
8:15 a.m.—British Almanac: PH1
10 a.m.—Church services: WIXAL (11.25)
10:45 a.m.—League of Nations broadcast: HBII (18.48)
11:10 a.m.—Symphony concert: DJB
12:45 p.m.—RIO de Oro Marimba Band: TGWA (15.17)
1:30 p.m.—Italian news: W3XL (17.78)
2 p.m.—German news: W3XL (17.78)
3 p.m.—French news: W3XL (17.78)
4:20 p.m.—War news in English: EA9AH
4:55 p.m.—Portuguese news: W3XL (17.78)
6 p.m.—Public program: SPW, SPB, SPV, SP25
6 p.m.—Spanish news: W3XL (17.78)
6 p.m.—Portuguese program: CSW3 (9.67)
6:15 p.m. (Ex. Sat.)—Mexican Express: PCJ (15.22)
6:45 p.m.—Spanish news: W2XE (11.83)
7 p.m.—Portuguese news: W3XL (17.78)
7 p.m.—Soviet program: RAN, RRI
7:15 p.m.—Phonix program: PCJ (9.59)
7:30 p.m.—English news: ZB04, IRF, IQY
7:45 p.m.—Opera, "Mason Lescut," G. Puccini: ZB04, IRF, IQY
8 p.m.—Spanish news: W3XL (17.78)
8 p.m.—Experimental program: 1935
8 p.m.—Overseas hour (Eastern America): JZK
8 p.m.—Nationalistic program: Salazarite (10.37)
8:15 p.m.—English news: DJB, DJD, DJO
8:30 p.m.—Jazz on the Air: NH25 (15.925)
8:30 p.m.—North American broadcast: TPB7
8:30 p.m.—Spanish news: GSB, GSO
8:45 p.m.—Portuguese news: GSB, GSO
9 p.m.—Program from Miami, Florida: W3XB (16.04)
9:30 p.m.—Danish program: OZP
10 p.m.—News in English: TPB7
10:30 p.m.—Buenaventura Child College Hour in English: RJ74BP
11:45 p.m. (Ex. Sat.)—Program from South Africa: ZRK, ZRH
12:30 a.m.—Overseas hour (West Coast): JZK
1 a.m.—English DX period: XE1V

Key to Symbols Used: *Daily; †Week Days;
†Monday, Thursday; ‡Monday, Wednesday, Friday;
**Monday, Wednesday, Thursday, Friday;
§Monday, Friday; ††Tuesday, Thursday, Saturday;
††Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

If WAR comes (and we fervently hope it will not), short-wave radio is destined to play a very important role.

Ultra-high-frequency transmitters, highly efficient over a limited radius but inaudible at any distance, will be used extensively for directing military maneuvers, for warning civilians of air raids and for short-range intercommunication between military units.

Silent aircraft loaded with the most powerful and destructive bombs ever known will rise from the ground to an invisible height of 25,000 or 30,000 feet, follow a predetermined course, hover over a supplies depot, munitions dump or enemy airport, discharge its load of death, and return to its airbase all without a human being aboard, its intricate operations directed entirely by a mechanical robot, in turn controlled by skilled mathematicians, engineers and scientists behind the lines.

Every army unit will carry its own portable, or mobile, short-wave transmitter, which will be in constant touch with headquarters and which will at the same time foretell any chance of a division being isolated and ambushed.

Planes and ears crossing invisible frontiers will suddenly stop, their motors rendered useless by a powerful hidden short-wave beam.

Powerful base transmitters, which can operate on many different frequencies and equipped with devices for scrambling speech, are located at secret locations in bomb-proof chambers far below the surface of the ground and are now ready for instant use by several European countries. Germany is reported to have a 200,000-watt underground transmitter with a vertical aerial which rises out of the earth like a periscope of a submarine approaching the surface, and a few minutes later disappears into the ground with silent and deadly efficiency.

And then, of course, there will be the present powerful government short-wave stations which will diffuse propaganda, all-important for preserving the morale of its own people.

People and at the same time undermining the morale of its enemies. Carrier waves loaded with dramatic and dangerous messages will suddenly be blotted out by loud and mysterious noises, superimposed by radio simulations of the enemy forces.

No one attempts to disguise the fact that if war comes it will be a terrible conflict of swift and efficient machines, directed by, operated by, or in contact with all-important basic short-wave transmitters controlled by a staff of highly skilled radio-scientists.

Events in Europe are happening with such startling swiftness that many short-wave stations are breaking into their regular programs with last-minute flashes, as well as unscheduled interviews, on-spot commentaries and word pictures. Best European reception in the late afternoons and early evenings is now being afforded by the following stations: GSP (15.31) or GSD (11.71) of Daventry, England; DJB (15.2), or DJD (11.77) of Zeesen, Germany; TPB7 (11.88) of Esoarts, France; ZB04 (11.81), of Rome, Italy; OLRSA (15.23), OLRSB (15.32), or OLR4A (11.84), of Prague, Czechoslovakia; RRI (15.08), and RAN (9.6) of Moscow, U. S. S. R.

SHORT-WAVE SHORTS: Latest news from Loyalist headquarters in Madrid, Spain, are now being heard daily over EAQ (9.855), from 3:45 to 4:05 a.m., 3:45 to 4:05 p.m., 7:30 to 8 p.m. and 8:45 to 9:10 p.m. EST . . . TGWB, the new 1,000-watt short-wave transmitter at Guatemala City, Guatemala, is now relaying TGW and TGWA daily on 6.498 megs . . . Winnipeg, Canada, Stations CJRO (6.147) and CJRX (11.21) are operating only on Saturday evenings at present . . . A tip for American radio manufacturers: In the recent British radio show "Radiolympia," all-wave receivers were exhibited with pushbutton tuning that automatically selected the middle of the 16-, 19-, 25-, 31- or 49-meter bands, from which point novices could more easily locate any particular station.

One of Daventry's most popular sports announcers, Thomas Woodroffe, shows how the BBC's new "lip-microphone" makes it possible to give commentaries while an expert at hand passes on extra facts, details

Monday, October 10

8 a.m.—Program from Haag Kring: ZBW3
8:30 a.m.—Siamese broadcast: HS8P (19.02)
9:10 a.m.—Program from the Vatican: HVJ (11.12)
8:45 a.m.—French mail bag: W3XL (17.78)
8:45 a.m.—French mail bag: W3XL (17.78)
9:45 a.m.—Broadcast from St. Kitts: VP2LO (16.385)
9:45 a.m. (Ex. Sat.)—News in Portuguese (South America): W2XE (11.83)
5 p.m.—Harvard Festival dances: DJB, DJD
6:20 a.m.—Light opera, "Tosca": G4G GSP
10:45 p.m.—Sports review: W2XAF (19.73)
10:55 p.m.—North American program: UL1SA or OLRSB
11:40 p.m.—World news: GSG GSP
8 p.m.—Les Thoreaux's classical orchestra: LRS
8:45 p.m.—ZB04 mail bag: ZB04 IRF IQY
9:20 p.m.—Emboss Exchange talks: G4D GSI
9:30 p.m. (Ex. Sat.)—News in English: OL8AA or OLR4B
10:30 p.m.—Central European Review of Affairs: OL8AA or OLR4B

Tuesday, October 11

10:15 a.m.—Drama, "Steamboat": GSF GSG GSI
12:20 p.m.—Empire Farhama talks: GSF GSG
2 p.m.—At 1 Sat 11, Viscount Samuel: GSF GSI
11:45 p.m.—Moscow News: WIXAL (11.79)
6 p.m.—Opera, "Fidelio": DJB DJD DJO
7:20 p.m.—"Topics of the Day," A. G. MacDonnell: GSG GSP
7:45 p.m.—Empire news: ZB04 IRF IQY
8 p.m.—Tuesday Symphonies: ZB04 IRF IQY
9:20 p.m.—Popular concert: OL8AA or OLR5B
9:30 p.m.—Program for Latin women: W2XE (11.82)
10:05 p.m.—The Tudor Hall, music: GSF GSI

Wednesday, October 12

7:50 a.m.—Empire exchange talks: GSF GSG GSI
8:10 a.m.—Meeting of the P1800H Club: PH1
11:40 a.m.—"World Affairs," H. Wickham Steed: GSF GSG GSI
1:45 p.m.—Notes from the Royal Library: GSG
2:45 p.m.—BBC Thinner orchestra: GNG GSI
6:20 p.m.—Aids to the Table: GNG GSP
6:30 p.m.—Program from Martinique: Radio Martinique (19.08)
6:45 p.m.—Masters Radio Dance: WIXAL (16.04)
7 p.m.—Budapest program: HAT4
7:30 p.m.—North American hour from St. Kitts: VP2LO (16.385)
8:00 p.m.—Program from Seedes for North America: NRP
8:15 p.m.—Field Quartet, popular songs: ZB04
8:30 p.m.—Balalaika orchestra: YVSRC
9:15 p.m.—German Collegium Museum: DJB
10:15 p.m.—The Cambridge-hora: GSD GSI

Thursday, October 13

9 a.m.—Concert, "After the Tempest": GSF GSG
10:20 a.m.—Describing the television broadcast from Alexandra Palace: GSF GSG GSI
11:20 a.m.—"Mallarts of Moment," Harold Nicolson: GSF GSG GSI
4:30 p.m.—Royal Philharmonic Society's Concert: GCG GSI
5:35 p.m.—Food for Thought: GCG GSP
7:30 p.m.—Popular orchestra: YVSRC
8 p.m.—Popular music: OL8AA or OLR5B
8:30 p.m.—Little German ABC: DJB DJD DJO
9 p.m.—Dance music: YVSRC
9:40 p.m.—BBC Empire orchestra: GSD GSI

Friday, October 14

7:30 a.m.—Under Big Sky: GSF GSG GSI
8:15 a.m.—Impressions from Holland: PH1
10 a.m.—Music Hall: GSF GSG GSI
12:40 p.m.—Kenneth Sedley, Bayreuth orchestra: GSF GSG GSI
4 p.m.—English news: LNY (12.115) LHA (19.69)
4:45 p.m.—BBC orchestra: GNG GSI
6:15 p.m.—Concert Orchestra: YVSRC
6:45 p.m.—Evening Castellane, musical: YVSRC
7:45 p.m.—Guest night: ZB04 IRF IQY
8 p.m.—The Eton Hour: COCH (19.43)
8:15 p.m.—Ann. Bernard: ZB04 IRF IQY
8:30 p.m.—The Schools at home: DJB DJD DJO
9:15 p.m.—Saladine-Sauveterre's orchestra: YVSRC
9:30 p.m.—Music from Italy, Spain and South America: DJB DJD
10:10 p.m.—Concert from Prague: OL8AA or OLR4B

Saturday, October 15

8 a.m.—New Hispaniola Orchestra: GSF GSG
8:15 a.m.—Talk on Music: PH1
12:30 p.m.—Hugh Repsold's concert orchestra: GSG GSI
2:30 p.m.—In Town Tonight: GSG GSI
3 p.m.—Pop Song: GSG GSI
5 p.m.—Little Short Wave Magazine: DJB DJD
6 p.m.—Lively work song: DJB DJD DJO
7:15 p.m.—Today in Germany: DJB DJD DJO
7:30 p.m.—National anthem: DJB DJD
7:45 p.m.—Guest night: ZB04 IRF IQY
8 p.m.—Hour of Castle Rock: TIPG (16.41)
8:15 p.m.—Elizabeth Luin: ZB04 IRF IQY
8:30 p.m.—Alice Lead: W2XAD (19.55)
10 p.m.—Opera: OA3AJ
11 p.m.—Phone club: GSD GSI
12 mid.—Northern Messenger: messages to those in the Arctic: VE9DX



(Megacycles or thousands of kilocycles shown)			
COCH, Cuba	9.43	JZK, Japan	18.18
COCQ,	8.738	OLRJA, Czechos.	9.35
COOP,	11.808	Salvador	11.84
CSW, Portugal	8.74	OLRJA, " "	11.76
CAAS, Uruguay	9.84	OLRJA, " "	11.76
DJB, Germany	10.20	OLRJA, " "	11.22
DJO,	8.82	OLRJA, " "	11.22
DJD,	11.77	OEF, Denmark	9.82
DJL,	10.11	PCJ, Holland	9.82, 10.32
DJO,	11.796	PHL, " "	10.72
DJP,	11.895	RAN, U.S.S.R.	9.60
EAJ43, Canaries	10.27	RKL, " "	10.04
EAO, Spain	9.855	RNE, " "	12.06
EAB,	9.49	RPT, " "	6.06
EASAH, Spanish	8.82	SPB, Sweden	11.703
Mexico	10.85	SPD, Poland	11.63
POSSA, Tahiti	7.11	SPW, " "	13.04
USA, England	8.05	SPV, " "	11.18
OSB,	9.51	SPZ, " "	11.74
GSO,	9.58	TFT, Iceland	12.83
OSD,	11.75	TOWA, Guatemala	9.685
GSE,	11.88	TJAMEN, Costa Rica	11.88
OSF,	10.14	XRA, " "	9.698
OKO,	10.79	TPAS, France	10.84
GRM,	11.47	TPAS, " "	11.88
GAI,	10.39	TPAS, " "	11.71
OSJ,	10.88	TPBT, " "	11.88
OSL,	6.11	VERDON, Canada	6.005
OSO,	10.18	VKME, Australia	9.89
OSP,	10.21	VLR, " "	9.86
MA23, Hungary	10.37	VPILO, St. Kitts	6.265
HAT4,	8.11	VUDZ, India	9.89
HSJ, Switzerland	10.886	VUDZ, " "	10.16
HRL,	9.34	WIXAL, Boston, Mass.	10.00
HBO,	11.602	15.15, 11.78, 8.04	
HEP,	7.30	XEUX, Mexico, D.F.	6.12
HEZB, Haiti	8.955	XED, El Salvador	7.894
HTYARD, Colombia	8.49	YVABC, Venezuela	6.97
HPAS, Panama	11.7	YEWZ, China	8.325
HPJL,	9.06	ZIMZ, British	10.00
ISMPJ, Islam	10.98	Zandar, " "	10.6
ISMPJ,	8.31, 10.02	ZER, So. Africa	9.81
IQY, Italy	10.678	ZML, S.S. Malibbia	6.91
IRF,	9.62	ZER, Italy	9.65
JDY, Kwanzung	8.205	ZRO4, " "	11.61
JZK, Japan	11.88		

Short-wave programs of American stations are shown along with the regular listings beginning on page 26. Those are indicated, for example, by (ew-11.87) in parentheses following a program listing. This means that an 11.87 megacycle the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m.: JZK; 3:50, GSB, GSD, GSE, GSI; 8:55, JZK; 11, GSF, GSG, GSJ; 1 p.m., GSD, GSG, GSJ; 3:10, TPA3; 4:15, GSB, GSG, GSO, GSP; 4:30, OLRJA or OLRJA; 4:45, EA9AH; 6, HPSA; 7, EA9AH, IUPSI, RAN, RKL; 7:30, ZB04, IRF, IQY, EAQ; 7:40, GSB, GSG, GSO, GSP; 8, EA9AH; 8:05, JZK; 8:15, DJB, DJD, DJO; 8:45, EAQ; 9:45, CJRD, CJRN; 10:30, DJB, DJD, DJO, GSB, GSG, GSO, GSJ; 11, TPA4, TPBT. Daily except Sundays—7:30 a.m.: VLR. Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., OLRJA or OLRJA.

Sunday, October 23

*7 a.m.—Overseas hour (Eastern U.S.A.): JZK
*8 a.m.—Variety program: DJL
*8 a.m.—International church: COCQ
*8 a.m.—Overseas hour (South Seas): JZK
9 a.m.—Program from Budapest: HAT4
10:45 a.m.—League of Nations: HBII (10.48)
11:30 a.m.—Eugene Pini's Bigga orchestra: GSF GSG GSJ.
*12:45 p.m.—Rio de Oro Marimba Band: TGWA (15.17)
*1:30 p.m.—Italian news: W3XL (17.78)
1:30 p.m.—20th Anniversary of Czechoslovakia: OLRJA (11.84) or OLRJA (15.23)
*2 p.m.—German news: W3XAL (17.78)
2:30 p.m.—World Concert from Canada: principal short-wave stations of the world
*3 p.m.—French news: W3XL (17.78)
4:20 p.m.—War news in English: EA9AH
5 p.m.—Tropical Gazette: GSG GSJ
*5 & 7 p.m.—Portuguese news: W3XL (17.78)
*6 p.m.—Polish program: SPW SPD SP19 SP25
*6 & 8 p.m.—Spanish news: W3XL (17.78)
*6 p.m.—Program from Portugal: CSW7 (9.735)
*6:15 p.m. (ex. Sat.)—Morning Express: PCJ (15.22)
*6:45 p.m.—Spanish news: W2NE (11.83)
7 p.m.—League of Nations program: HBO (11.4)
*7 p.m.—Soviet program: RAN KKI
7:15 p.m.—Philo Program: PCJ (9.59)
7:30 p.m.—English news: ZHO IRF IQY
7:45 p.m.—Opera, "Andrea Chenier": ZB04 IRF IQY
*8 p.m.—Experimental program from Switzerland: (9.535)
*8 p.m.—Overseas hour (Eastern America): JZK
*8 p.m.—Nationalist program: Salamanca (10.37)
8 p.m.—Guitar Recital: GSD GSP
*8:15 p.m.—English news: DJB DJD DJO
*8:20 p.m.—Jamaica on the Air: HII2S (5.955)
*8:30 p.m.—Spanish news: GSB GSO
*8:30 p.m.—Choral Society: DJB DJD DJO
*8:45 p.m.—Portuguese news: GSB GSO
*9 p.m.—Program from Miami, Fla.: W4XB (6.04)
*9:30 p.m.—North American broadcast: TPBT
*9:30 p.m.—Spanish program: OZF
*10:30 p.m.—Bucaramanga Mild Coffee Hour (in English): HII2B
*11 p.m.—English news: TPBT TP4
*11:45 p.m. (ex. Sat.)—Program from South Africa: ZHK ZRRI
*12:30 a.m.—Overseas hour (West Coast): JZK

Key to Symbols Used: *Daily; tWeek Days;
MMonday, Thursday; tMonday, Wednesday, Friday;
MMonday, Friday; tTuesday, Thursday, Saturday;
tWednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

CANADA will provide the International Broadcasting Union's Fifth World Concert on Sunday, October 23, at 2:30 p.m. EST. This program, which will be relayed by practically all of the fifty-five countries that constitute the Union's membership, will present a kaleidoscopic picture of Canada in music and sound, each of the five provinces that make up the Dominion, being represented in turn.

Gracie Fields, world-famous comedienne, will be the featured star in a special tribute performance to be broadcast from Royal Albert Hall, London, on Friday, October 28, at 4:45 p.m. EST, over GSG and GSP.

The "SWL Chatterbox," a program of unique interest to all short-wave listeners, is now being broadcast over W8XWJ (41), Detroit, on Wednesdays at 10:30 p.m. EST. . . Each Monday at 12 noon EST, the Canadian Broadcasting Commission's network relays a program arranged especially for it by the German Short-Wave Station and radiated by stations DJB (15.2) and DJE (17.76). . . Ed Wulfe of Bloomington, Ill., reports that according to an announcement heard over that station, CSW7 (9.735), of Lisbon, Portugal, is now radiating a special English program for listeners in the United States, on Fridays at 9:45 p.m. EST.

The new Vienna, Germany, 50,000-watt transmitter, due on the air shortly, will operate under the following calls and on the following frequencies: DJK (21.64), DJJ (21.565), DJH (16.81), DJG (17.715), DJZ (11.801), DJF (11.745), DJX (9.675), DJW (9.65), DJI (7.29), and DJY (6.072).

The Newark News Radio Club reports the following new stations: YV5RM (5.01), "Radiodifusora Venezuela," relaying broadcast station YV5RD of Caracas, Venezuela; YV6RU (4.88), "Ecos del Orinoco," relaying YV6RA of Ciudad Bolívar, Venezuela; YV2RN (4.87), "La Voz de Tachira," San Cristóbal, Vene-

zuela; YV3RN (4.82), "Radio Barquisimeto," Barquisimeto, Venezuela, and HJTEAB (4.75), relaying HJTEAK of Bucaramanga, Colombia. The latter station uses several gong strokes and three cuckoo calls as interval signals and signs off at 10:10 p.m. EST with the organ solo "Kiss Me Waltz" . . . YSP (10.4), "La Voz de Cuscatlán," San Salvador, El Salvador, reported recently as under construction, is now on the air and being heard with fair signal-strength nightly until 11 p.m. EST.

Elmo Smith of Red Wing, Minn., writes that VLR (9.58) of Melbourne, Australia, has a new 2,000-watt transmitter in operation, which will soon radiate programs on three additional frequencies.

SHORT-WAVE SHORTS: Benny Fiedrowicz of Jersey City, N. J., writes that "Radio Malaga" (14.44), Spain, broadcasts simultaneously on 7.22 megs . . . The new slogan for YV5RF (6.375), Caracas, Venezuela, is Estudios America" . . . Bob Hetzel of Milwaukee, Wis., is the proud possessor of what is believed to be the first verification of reception from "Radio Leo" (6.14), Leopoldville, Congo, received in the United States. This confirmation, which is in the form of a poorly typed letter, states that the station is soon to have a new Collins 250-watt transmitter, and programs will be broadcast on Sundays from 5:35 to 7 a.m. EST. Reception reports will be cordially welcomed . . . Earl Roberts of Indianapolis, Ind., is hearing HJ1ABG (4.80), Cartagena, Colombia, on a new frequency of 4.86 megs . . . HP3G, "Ron Dolly," Panama City, Panama, has shifted back to its former frequency of 11.78 megs . . . Valuable prizes, including expensive all-wave receivers and camera equipment, will be awarded by the German Short-Wave Station for the best snapshots picturing listeners in the act of enjoying reception from that station. All photographs must be in Berlin not later than December 15, 1938. Winners will be announced over German stations Christmas Day.



Televisioning the return of the Rt. Hon. Neville Chamberlain from his first meeting with Herr Hitler at Berchtesgaden. Mr. Chamberlain can be seen in the center of the crowd (just behind the stepladder)

Monday, October 24

8:00 a.m.—Program from Hong Kong: ZBW3
11:30 a.m.—Program from the Vatican: HJV (15.12)
12 noon—Canadian program from Germany: DJB
8:45 p.m.—German mail box: W3XL (17.78)
8:53 p.m.—French mail box: W3XL (17.78)
9:45 p.m.—Broadcast from St. Kitts: VP2LO
10 p.m. (ex. Sat.)—News in Portuguese (South America): W2XK (11.83)
6 p.m.—Short wave culture: DJB DJD DJO
6:45 p.m.—Sports review: W2XAF (9.53)
7:15 p.m.—Today in Germany: DJB DJB DJO
7:35 p.m. (ex. Sat.)—North American Program from Czechoslovakia: OLRJA
8 p.m.—Leo Thernovsky's orchestra: LTN
8:45 p.m.—Ketty Haug, and Sulonietta Flava: VVSR
9:30 p.m.—Special Broadcast Dedicated to Louisianans: DJB DJD DJO
9:30 p.m. (ex. Sat.)—Amateur hour direct from "Teatro Nacional": VVSR
9:50 p.m. (ex. Sat.)—Czechoslovak news in English: OLRJA
10:30 p.m.—Central European Review of Affairs: OLRJA

Tuesday, October 25

6:45 a.m.—Jack Wilson's Versaille Fife: GSF
10:15 a.m.—Drama, "Steamboat"; GSF GSG GSJ
2 p.m.—"As I See It," Viscount Samuel: GSG
2:15 p.m.—Hans Wolf Lieder: GSG GSJ
4:35 p.m.—The Close of the Empire Exhibition: GSG GSJ
4:45 p.m.—Bleeding News: WIXAL (11.79)
6:20 p.m.—"Topics of the Day," A. G. MacDonell: GSD GSJ
7 p.m.—Budapest program: HAT4
7:45 p.m.—Empire notes: ZB04 IRF IQY
8:30 p.m.—Talk, "Thoughts and Things": DJB
9:15 p.m.—Stars of German Opera: DJB DJD
10:05 p.m.—Hildegard Arnold, cello: GSD GSJ
10:50 p.m.—Frills and Fines: GSD GSJ

Wednesday, October 26

10:10 a.m.—Description of "The Sesarewitch" from Newmarket: GSF GSG GSJ
11:40 p.m.—"World Affairs," Prof. J. L. Brierley: GSF GSG GSJ
1:45 p.m.—Notes from the Royal Library: GSG
3:30 p.m.—Play, "Behind the Dust": GSG GSJ
5:10 p.m.—Comedy, "Men of Action": GSG GSP
6:20 p.m.—Cards on the Table: GSD GSP
7 p.m.—Budapest program: HAT4
7:30 p.m.—North American Hour: VP2LO
7:45 p.m.—Program from Sweden: SBF
8:15 p.m.—Vienna Angelina's quartet: ZB04 IRF
9:15 p.m.—Rafael Guimaraes: VVSR
9:35 p.m.—Men Who Make the Shows, Archie Pitt: GSD GSJ
10:30 p.m.—SWL Chatterbox: W8XWJ (4.1)
10:40 p.m.—Folk songs: OLRJA

Thursday, October 27

9:55 a.m.—Television in action: GSF GSG GSJ
11:20 a.m.—"Matters of Moment," Edward Thompson: GSF GSG GSJ
2:30 p.m.—Canadian Regimental Marches: GSG
4:40 p.m.—Royal Philharmonic Society's Concert: London Philharmonic Orchestra, Sir Thomas Beecham, conductor: GSG GSJ
6:30 p.m.—Play, "A Message from Beyond": DJB
7:15 p.m.—Rhapsody Hour: W3XL (17.78)
8 p.m.—Czechoslovak folk-songs: OLRJA
9:40 p.m.—BBC Empire Orchestra: GSD GSJ
12:45 a.m.—Samisam music: ZJK

Friday, October 28

9:20 a.m.—Sylvan Trio: GSF GSG GSJ
2 p.m.—Balalaika, "Hugh the Horset": GSG
4:45 p.m.—The Gracie Fields Tribute Performance: GSG GSP
5 p.m.—News review from Argentina: LIA (18.115-9.69)
6:45 p.m.—Traveler, "Savages by the Sea": GSD
7:30 p.m.—Carmen Molina, songs: VVSR
7:30 p.m.—Colombian Broadcasting Station Choir: DJB DJD DJO
7:45 p.m.—Celebrations of the March on Rome: ZB04 IRF IQY
8 p.m.—The Eros Hour: COCII
9 p.m.—Program for Latin America: WIXAL (11.79)
9:45 p.m.—American Hour: CSW7 (9.735)
10:40 p.m.—Commentary on the Czechoslovak Day of Independence: OLRJA

Saturday, October 29

10 a.m.—H. Robinson Cleaver, organ: GSF GSG
2:30 p.m.—In Town Tonight: GSG GSJ
3 p.m.—Song-Song: GSG GSJ
6 p.m.—Hungarian program: HAT4
6 p.m.—Tourist hour: HPSA
6:15 p.m.—Non-stop variety show: DJB DJD
6:20 p.m.—London Log: GSD GSP
7:15 p.m.—Morning Express: PCJ (15.22)
8 p.m.—The Hour of Costa Rica: TIPG (6.41)
8:15 p.m.—Journalism in Japan: ZJK
8:30 p.m.—Jose Betancourt, songs: VVSR
8:30 p.m.—Akiba Land: W2XAD (9.55)
9 p.m.—Dance music: VVSR
9:50 p.m.—Monthly survey of Ice Hockey: GSD
10 p.m.—Opera: OAX4J
12 m.d.—Hawaiian Calls; native Hawaiian music: NQII (14.92)

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)
COCH Cuba 9.43 JZR Japan 15.18
COCO " 9.725 OLRSA Czechoslovakia 9.55
COSF " 11.225 Slovakia 11.55
CSW2 Portugal 9.725 OLRSA " 11.55
CXAS Uruguay 9.04 OLRSA " 11.25
DJH Germany 10.80 OLRSA " 10.25
DJC " 10.05 OLRSA " 11.25
DOD " 11.77 PCF Denmark 9.55
DJO " 11.11 PCF Holland 9.55 11.25
DJT " 11.795 PHL 11.25
CAZB3 Canada 7.50 RKA 11.25
EAG Spain 9.55 RNE 11.25
EAK Spain 9.40 RVP 11.25
ESAH Spain 9.55 RPF Sweden 11.25
Mexico 14.85 RPD Poland 11.65
POAFA Tahiti 7.11 RFW 11.25
USA England 9.05 RPI 11.25
USB 9.05 RPS 11.25
GSC " 9.55 TIZ Iceland 11.25
GSD " 11.75 TOWA Guatemala 9.805
GSE " 11.55 TIANRH Costa Rica 9.805
GXF " 11.14 RIA 9.805
GSO " 11.75 TPAZ France 11.25
GSE " 11.45 TPAZ " 11.25
GSI " 11.20 TPAZ " 11.25
GJZ " 11.50 TPAZ " 11.25
GSL " 6.15 VERSO Canada 9.805
GSO " 11.15 VENUE Australia 9.805
GSP " 11.31 VLR 9.805
HAZ Hungary 11.55 VUDR India 11.25
HAT4 " 9.55 VUDR " 11.25
HBU Switzerland 14.525 WIXAL Boston, Mass.
HBL " 9.34 15.25 11.75 9.04
HBO " 11.400 XEUL Mexico D.F. 6.15
HBP " 7.35 XED El Salvador 7.85
HRS. Haiti 9.85 YVRC Venezuela 9.85
HJTAZD Colombia 9.62 ZEW China 9.85
HPSA Panama 11.7 ZIKZ British Honduras 10.8
HSDP2. Spain 10.25 ZIKZ San Pedro 9.805
HSDP2. Spain 9.51 10.00 ZIKZ So. Africa 9.805
IQY Italy 11.050 PML 2.5 Namibia 9.01
IRI " 9.82 PRAO Italy 9.805
JDV Kwantung 9.025 PRAO " 11.81
JZK Japan 11.90

Short-wave programs of American stations are shown along with the regular listings beginning on page 20. These are indicated, for example, by (New-York) in parentheses following a program listing. This means that on 11.875 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., ZKZ; 3:50, G-A, GSD, GSE, GSO, GSP, 7:45, JDV, 8:30, GSE, GSO, GSP; 11:00, GSZ, 8:55, JZK; 11, GSE, GSD, GSH, GSO, GSP; 1 p.m., GSE, GSD, GSE, GSO, 11.20, TPAZ, 4.15, GSA, GSE, GSD, GSO, GSP, 4:30, 0.845 in COJRAO, 4:45, FAPAF, 6, RPSA, 7, EAJAZI, HPSI, RAV, EKI, 7:30, 2004, IEE, IGY, FAQ, 7.40, GSE, GSE, 11.00, GSO, GSO, GSP; 8, EAJAZI, 8:05, JZR, 8:15, HBR, DHD, DHD, 8:45, FAQ, 9:45, CJO, UHVA, 10:30, PHL, DHD, DHD, GSO, GSE, GSD, GSP; 11, TPAZ, TPB7 Daily except Sundays—7:30 a.m., VLR Monday, Tues., Wed., Thurs., Fri.—9:50 p.m., GSD, GSE, GSD, GSP

Sunday, November 6

7 a.m.—English transmission 11.75 (11.75); 7 a.m.—Overseas hour (Asia via E-SAT) 22.2; 8 a.m.—Overseas hour (South Seas) 22.2; 8 a.m.—Varied program 11.25; 8 a.m.—International church 11.25; 10:30 a.m.—Jewish Ex-Servicemen's National Remembrance Service 11.85 GSE, GSD; 10:45 a.m.—League of Nations Broadcast 11.85 (18.48); 11:45 a.m.—RIO de Janeiro Maracana Band 11.85 (11.75); 1:30 p.m.—Italian news 11.75 (11.75); 2 p.m.—German news 11.75 (11.75); 3 p.m.—French news 11.75 (11.75); 4 p.m.—Portuguese news 11.75 (11.75); 5 p.m.—Talk by General Smuts 11.75 (11.75); 6 p.m.—Polish news 11.75 (11.75); 7 p.m.—Spanish news 11.75 (11.75); 8 p.m.—Spanish news 11.75 (11.75); 9 p.m.—Program from Portugal (North America) 11.75 (11.75); 9:15 p.m.—Overseas hour (Eastern America) 11.75; 9 p.m.—Nationalist program (North America) 11.75 (11.75); 10:15 p.m.—English news 11.75 (11.75); 10:30 p.m.—Program from India 11.75 (11.75); 10:30 p.m.—Jewels on the Air 11.75 (11.75); 10:30 p.m.—Spanish news 11.75 (11.75); 10:45 p.m.—Portuguese news 11.75 (11.75); 11 p.m.—Program from Miami, Florida 11.75 (11.75); 11:30 p.m.—North American broadcast 11.75 (11.75); 11:30 p.m.—Danish program (North America) 11.75 (11.75); 10:15 p.m.—English transmission 11.75 (11.75); 10:30 p.m.—Overseas hour (North America) 11.75 (11.75); 10:30 p.m.—English news 11.75 (11.75); 11 p.m.—French news 11.75 (11.75); 11:45 p.m.—Overseas hour (South America) 11.75 (11.75); 12:30 a.m.—Overseas hour (West Coast) 11.75 (11.75)

Key to Symbols Used: *Daily; †Week Days; ‡Monday, Wednesday, Friday; §Monday, Thursday; ¶Monday, Friday; ||Tuesday, Thursday, Saturday; §§Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

LORD MAYOR'S DAY in London, celebrated for over seven hundred years, is one of the most spectacular and colorful of Great Britain's many ceremonial occasions. The elaborate pageant and parade which ushers in the day's festivities will be described on Wednesday, November 9, at 7:15 a.m. EST, over Daventry stations GSF, GSG and GSD, with a repeat broadcast at 7:25 p.m. EST, over GSD and GSP. The magnificent Lord Mayor's Banquet, which is attended by all government dignitaries from the Prime Minister down, will be on the air at 3 and 4:20 p.m. EST, over GSG and GSP, with a repeat broadcast on Thursday, November 10, at 9:35 p.m. EST, over GSC and GSD. The most important event during the course of the banquet, which in the past centuries used to include as many as four hundred or more different dishes on the table, will be Prime Minister Neville Chamberlain's speech in which he will review the British government's policy on home and foreign affairs.

Akihisa Saito of Kumamoto, Japan, informs me a new Chinese short-wave station, using the call XGAP, is broadcasting daily from Peking on 9.56 megahertz. The native Chinese program radiated from 9 a.m. to 2 p.m. EST, utilizes a woman announcer.

Guy R. Bigbee of Fort Benning, Ga., is proud of his unusual letter of verification from station TDE in Manchukuo. Exactly as written, the letter follows:

Receiving your letter re TDE stamping July 31, 1938, that waves is for Dairen Radio Station connecting communication with Japanese Tokio Radio Station in Japan. Your measuring is very good and right. I intended to send your letter to Dairen Radio station but I thought it was very sorry to you if your letter was disregarded by Dairen Radio staff, so here I did necessary, please excuse me my poor pen and accept my friendship for you but English is foreign language for me. on this

occasion please make me friend for you if you necessary will send you curious stamps or cards in this country. Having many friends in Sanfrancisco Radio station, America, are best friends for me in all country. I remain, good by. Your sincerely,

I Watanabe

Richard Rubio of Havana, Cuba, writes that Manuel Alvarez will soon inaugurate a new short-wave station at Senio Clara, and that a new transmitter at Holguin, Cuba, is already on the air testing on 6.195 megahertz. COHB of Sancti Spiritus, Cuba, is temporarily off the air while the power of the transmitter is being boosted.

SHORT-WAVE SHORTS: Egyptian Radio gives the calls for the new transmitter at Ankara, Turkey, as TAQ (15.185), and TAP (9.465). Daventry's winter frequency, GSA (6.05), is being used daily from 4:15 to 6 p.m. EST. Ray Shaffar of Waterloo, Iowa, reports hearing the new 2,000-watt transmitter of VLH, Melbourne, Australia, transmitting on a new frequency of 11.875 megahertz, from 2 to 3 a.m. EST. Ordinarily commercial stations do not verify reports of reception; however, Max Bass of New York City, informs me that reports on the Hawaiian programs relayed by KQH (14.92) of Kahuku, Hawaii, are being confirmed with attractive QSL cards. General Franco's Nationalist programs heard nightly from 8 to 9 p.m. EST over EAJAZI of Tenerife, Canary Islands, are now being radiated on a new frequency of 7.5 megahertz. You can hear the Delhi, India, program over VUD3 (15.16) nightly at 8:30 p.m. EST. Reception of HH2S (5.855) is being verified with a new blue QSL card with call letters in red, which gives the mailing address of the station as The West Indian Broadcasting Company, c/o Gerald Bourke-Denis, Port-au-Prince, Haiti. News in English is given over this station nightly at 8 p.m. EST, followed by a program of dance music and sign-off at 10:15 p.m. EST, with the signature selection, "Ave Maria."



Listeners to HSH (18.48), Switzerland, may hear League of Nations broadcast Sunday morning at 10:45 a.m. EST. Above: View of the recently finished control-room in the League of Nations Palace

Monday, November 7

8:30 a.m.—Program from Hong Kong 11.85; 8:30 a.m.—Swiss program 11.861/2 (15.23); 11:30 a.m.—Program from the Vatican 11.85 (15.12); 12:20 p.m.—Edgar Schawler's string quartet GSD, GSP; 1:30 p.m.—Saxader, Horace Lindrum vs. 2nd Art. Regt. South GSG, GSP; 11:45 p.m.—French and big WEXL (17.78); 14 p.m.—Broadcast from St. Louis 11.75; 14 p.m.—(See Sat.)—Perfume news W2NE (11.83); 14 p.m.—English transmission 11.75 (11.75); 16:45 p.m.—Leo Boley's Sports Review W2VAF (19.53); 17:15 p.m.—Today in Germany DJB DHD; 17:35 p.m.—(See Sat.)—North American Pictures OLR4A (18.75); 8:30 p.m.—2RD's mail bag 2104 HIF IQY; 8:45 p.m.—Ketty Maga 15.85C; 9:30 p.m.—(See Sat.)—Amateur hour direct from "Teatro Nacional" 15.85C; 19:30 p.m.—(See Sat.)—English news OLRSA OLRSA; 10:30 p.m.—Central European Review of Affairs OLR4A OLRSA

Tuesday, November 8

9 a.m.—Indian orchestra GSG GSP GNP; 12:20 p.m.—Frank Walker's orchestra 11.85 GSP; 2 p.m.—"The Significance of the Colonial Empire to Great Britain and the Dominions," Lord Harlech; GSG GSP; 11:50 p.m.—"The Monitor Views the News" WIXAL (11.79); 6 p.m.—Opera, "The Walkers" by Richard Wagner; DJB DHD; 6:20 p.m.—"Topics of the Day," Sir Frederick Whiite; GSG GSP GSE; 7 p.m.—Margery Booth, violin; DJB DHD; 8 p.m.—Leslie Heward, GSC GSD GSP; 8:30 p.m.—Talk, "Thoughts and Times" DJB; 9:15 p.m.—Hermann v. Borkenstein, violin; DJB; 10:10 p.m.—Vidax recital OLR4A OLRSA

Wednesday, November 9

7:15 a.m.—Lord Mayor's Show; Description of the Lord Mayor's Procession; GSF GSD GSE; 11:40 a.m.—"World Affairs," Edwin Haward; 11.75 GSG GSP; 3:15 p.m.—BBC Symphony Concerts; BBC Symphony Orchestra, conducted by Eugene Goossens GSG GSP; 4:20 p.m.—Lord Mayor's Banquet; Speech by the Prime Minister Neville Chamberlain; 11.75; 5:30 p.m.—Boyle Youth Brass Band 11.75 DJB DHD; 7 p.m.—Selections from "Letters of Sailors who fell in the Great War" DJB DHD; 7:30 p.m.—North American 11.85 (See Sat.) ZLZ; 8:30 p.m.—Program from Soviet by North Siberian NRP; 10 p.m.—Richard Lumsden piano DJB DHD; 10:30 p.m.—WL Clutterbuck W2VWJ (17.75)

Thursday, November 10

9:30 a.m.—Empire Variety Theater GSG GSP; 11:20 a.m.—"Masters of Music," B. A. Keen; 11.75 GSG GSP; 1:30 p.m.—The Arts Orchestra 12.75 GSP; 2 p.m.—Empire Variety Theater GSG GSP; 5:05 p.m.—Stanley Riley, bass GSD GSP; 7 p.m.—Empire Variety Theater GSG GSD GSP; 8 p.m.—Jack Jackson's band GSD GSP; 9:15 p.m.—Microphone snapshot DJB DHD; 10:40 p.m.—Popular Music OLR4A OLRSA; 12:15 a.m.—"Voices of Hawaii" KQH (14.92)

Friday, November 11

5:25 a.m.—Service of Remembrance from the Cenotaph, Whitehall, London; GSD GNG GSD; 2:30 p.m.—Elton Mayo, pianist GSD GSP; 2:55 p.m.—Festival of Empire and Remembrance; GSG GSP; 5:50 p.m.—Tessie Jenkins, voice GSD GSP; 5 p.m.—German Dancers Quebec Quartet DJB; 5 p.m.—News resume LHA (18.115 9.59); 6 p.m.—Budapest Program HAY4; 6:30 p.m.—"Notes from the Royal Library"; GSC GSD GSP; 7:05 p.m.—Television in Action GSG GSD HSD; 7:45 p.m.—"Festivities of the month" DJB DHD; 8 p.m.—"Last hour" COCH; 8:30 p.m.—"The Schubert at Home" DJB DHD; 9:45 p.m.—"American Hour" from Portugal CNWT; 10:05 p.m.—Edgar Schawler's string quartet GSD; 10:40 p.m.—Military band OLR4A OLRSA

Saturday, November 12

9:45 a.m.—BBC Military Band GSD GSG GSP; 2:30 p.m.—In Town Tonight GSG GSD; 3 p.m.—"Hot Song" GSG GSD; 5 p.m.—Empire Broadcasting Station Close DJB; 5 p.m.—Review "So What" GSG GSD GSP; 6 p.m.—German dance music DJB DHD; 7:15 p.m.—Norway Express DJA (15.22); 8 p.m.—Hour of Color Music DJB (16.45); 8:15 p.m.—Joe Betzenauer, singer W2VWJ (19.55); 8:30 p.m.—Alida Landi W2XAD (19.55); 8:45 p.m.—Talk "Sunny, Hawaii, Fremont, and Seaford" DJB DHD DJB; 9 p.m.—Hawaiian Calls KQH (14.92); 9:15 p.m.—Nonstop variety show DJB DHD DJB; 10 p.m.—Chorus OAXAJ; 11 p.m.—Recital by Max Edelaker, tenor, and Gwendolen Masur, harpist GSG GSD

Log of Short-Wave Stations Whose Programs Are Listed					
(Megacycles or thousands of kilocycles shown)					
COCHE, Cuba	9.43	JZR, Japan	18.15		
COCH	9.725	OLRZA, Czechoslovakia	9.55		
COGT	11.805	"	"		
CSW7, Portugal	9.725	OLRZA, "	11.84		
DJB, Germany	15.20	OLRZA, "	11.78		
DJC	8.02	OLRZA, "	15.23		
DJD	11.71	OLRZA, "	15.32		
DJL	15.11	OZB, Denmark	9.51		
DJO	15.785	PCJ, Holland	9.50, 15.22		
DJP	15.855	PMS, "	17.75		
EAJ4S, Canarias	7.50	RAN, U.S.S.R.	9.60		
EAO, Spain	9.855	RRL, "	15.08		
EAR	8.69	RNE, "	12.00		
EASAE, Spanish Morocco	8.00	RVE, "	"		
ESOAA, Tahiti	14.05	SDF, Sweden	11.705		
GSA, England	7.11	SPD, Poland	11.53		
GSE, " "	6.65	SPW, "	12.54		
GSE	8.51	SPV, "	15.12		
GSC	8.58	SPZ, "	11.74		
GSD	11.75	TPF, Iceland	12.22		
GSE	11.80	TOWA, Guatemala	9.685		
GSP	15.14	TRNRA, Costa Rica	"		
GSG	17.79	RCA, "	9.038		
GSS	21.47	TPAF, France	15.24		
GSL	15.25	TPAF, "	11.88		
GSI	21.58	TPAF, "	11.71		
GSL	6.11	TPHT, "	15.855		
GSO	15.18	VK2ME, Australia	9.55		
GSP	23.31	VLR, "	9.58		
HASZ, Hungary	15.37	WEDE, India	9.59		
HATC	9.12	YUDI, "	15.10		
HBI, Switzerland	14.855	WIXAL, Boston, Mass.	"		
HBL	8.89	15.25, 11.78, 8.64	"		
HBO	11.402	XEUX, Mexico, D.F.	6.12		
HBP	7.80	YSD, El Salvador	7.824		
HH2S, Haiti	5.555	YVBR, Venezuela	5.57		
HJ2RD, Colombia	8.03	ZBVS, China	9.525		
HPA, Panama	11.7	ZIKA, British Honduras	10.6		
HPLJ	8.00	ZIIZ, St. Kitts	4.385		
HSPD, Sri Lanka	15.83	ZR, So. Africa	9.61		
HSPD	8.51	19.02	8.61		
IQY, Italy	11.678	SMI, S.S. Kaninble	8.61		
IRP	8.82	ZR03, Italy	9.635		
JDV, Kwantung	9.925	ZR04, "	11.81		
JZJ, Japan	11.80	"	"		
Short-wave programs of American stations are shown along with the regular listings beginning on page 20. These are indicated, for example, by (ex. 11.81) in parentheses following a program listing. This means that on 11.81 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.					
News Broadcasts					
Daily—12:35 a.m.: JZK; 4:50, GSD, GSE, GSP, GSO, GSP; 7:45, DJB, 8:30, GSP, GSC, GSI, GSE, GSH, GSI; 8:55, DJL; 11, GSD, GSE, GSE, GSI; 3:10, TPA3; 4:15, GSA, GSB, GND, GSO, GSP; 4:30, OLRZA or OLR4B; 4:45, EAPAH; 6, HPSA; 7, EY3AH, HSU, RAS, UKL; 7:30, ZR04, IRF, IQY, KAO; 7:40, GSB, GSC, GSD, GSO, GSO; 8, EAJ4S; 8:05, JYK; 8:15, DJB, DJD, DJL, DJO; 8:45, EAQ; 9:45, CIRX; 10:30, DIB, DAB, DJO, GSB, GSC, GSD, GSO; 11, TPA4, TPB7.					
Daily except Sundays—7:30 a.m., VLR.					
Mon., Tues., Wed., Thurs., Fri.—9:50 p.m.: OLR4A, OLR5A.					
Sunday, November 13					
*2 a.m.—English transmission: HV96 (15.175)					
*7 a.m.—Overseas hour (Eastern U. S. A.): A2A					
*8 a.m.—Overseas hour (South Seas): JZJ					
*8 a.m.—Variety program: DJL					
*8 a.m.—International church: COKQ					
10:45 a.m.—League of Nations broadcast: HV91 (18.49)					
*12:45 p.m.—Rio de Oro Marimba Band: YUWA (15.17)					
*1:30 p.m.—Italian news: W2XL (17.78)					
*2 p.m.—Geman news: W3NL (17.78)					
2:30 p.m.—Ankara, Turkey, retrans: TAP (9.465)					
*3 p.m.—French news: W3NL (17.78)					
*4:20 p.m.—War news: EA9AH					
*5 (& 7) p.m.—Overseas news: W2XL (17.78)					
*6 p.m.—Polish program (North America): SPW					
*6 (8) p.m.—Spanish news: W3NL (17.78)					
*6 p.m.—Program from Portugal (South America): CSW7					
*6:15 p.m. (ex. Sat.)—Morning Express: PCJ					
*6:45 p.m.—Spanish news: W2XE (11.82)					
*7 p.m.—Soviet program (North America): RAN (PK)					
*7:30 p.m.—English news: ZR04, IRF, IQY					
*8 p.m.—Experimental program from Saarland: (9.535)					
*8 p.m.—Overseas hour (Eastern America): A2A					
*8 p.m.—Nationalist program (North America): EAJ4S					
*8:15 p.m.—English news: DJB, DJD, DJO					
*8:30 p.m.—Program from India: YUD3 (15.16)					
*8:30 p.m.—Jamaica on the Air: BM2s (5.955)					
*8:30 p.m.—Spanish news: GSB, GSO					
*8:45 p.m.—Portuguese news: GND, GSO					
*9 p.m.—Program from Miami, Florida: W4XB (6.04)					
*9:30 p.m.—North American broadcast: TPB7					
*9:30 p.m.—Danish program (North America): OZB					
*10 p.m. (ex. Mon.)—Friendship hour: HC1JB (14.43), HC2JB (12.46)					
*10:15 p.m.—English transmissions: RNE (12)					
*10:30 p.m.—Bucaramanga Mild Coffee Hour: H17.881					
*10:55 p.m.—English news: YNIF (6.70)					
10:55 p.m.—Topical Gazette: GSC, GSD, GSI					
*11 p.m.—English news: TPB7, TPA4					
*11:45 p.m. (ex. Sat.)—Program from South Africa: ZRN					
*12 mid.—Program from Melbourne, Australia: VLR3 (11.89)					
*12:30 a.m.—Overseas hour (West Coast): JZJ					

Key to Symbols Used: *Daily; #Week Days;
†Monday, Wednesday, Friday; #Monday, Thursday;
#Monday, Friday; †Tuesday, Thursday, Saturday;
#Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

ON THURSDAY, November 17, at 9:15 p.m. EST, German short-wave stations DJB (15.2), DJD (11.77), and DJZ (11.801) will feature an interesting broadcast portraying the life of Count Ferdinand von Zeppelin, inventor of the "lighter than air" dirigibles that bear his name. The history of these sky giants will be dramatized from the time of the first simple balloon down to that of the recently completed successor to the ill-fated Hindenburg.

Music Hall, a regular Saturday feature from Daventry, broadcast at 7 p.m. EST over stations GSG and GSP, will include this week as special guest artists the popular American film stars of a few years back, Bebe Daniels and her actor-husband, Ben Lyon.

The Newark News Radio Club is now on the air Tuesdays at 8 p.m. EST, and Fridays at 12 midnight EST, over apex short-wave station W2XJI (26.8) of New York City. A third program originating in Honolulu, Hawaii, is now being heard Saturdays at 12 midnight to 12:30 a.m. EST, Sundays over KQH (14.92) of Kahuku. "The Friendship Hour," an all-English program, is now being heard nightly except Mondays, from 10 to 10:45 p.m. EST, over short-wave transmitters HC1JB (14.42), and HC2JB (12.48), of Quito, Ecuador, according to the station director, Clarence Jones, now on a lecture tour in this country.

DJZ (11.801) of Vienna, Germany, soon to have a power of 50,000 watts, is now relaying the Berlin programs to North America nightly from 7:15 to 10:50 p.m. EST.

SHORT-WAVE SHORTS: ZR06 (17.82), new frequency for the Rome short-wave station, is being used daily from 6 to 7:30 and from 10 to 11:15 a.m. EST . . . ZBZ (6.96 and 3.48), new experimental broadcaster at Wellington, New Zealand, power 200 watts, is testing nightly from 12 midnight to 7 a.m. EST . . . A short-

wave broadcasting station near Tangiers in the International Zone, is to be put into operation near the end of this year. It is believed that the same 500-watt transmitter that is now being used on the amateur bands under the call CN1AF, will be utilized . . . As the result of the MacGregor Arctic Expedition having reached America safely, W10XAB is off the air . . . PCJ, Huizen, Holland, is being heard on an unlisted frequency of 21.48 megs by Herbert Campbell of Athens, Pa. . . . August Balbi of Los Angeles, Calif., reports XEBR (11.826) of Hermosillo, Mexico, back on the air and operating daily from 9 to 11 a.m., 1 to 4 and 9 to 11 p.m. EST . . . United States short-wave stations are still engaged in a wild scramble for the newly allotted channels. Who will emerge triumphant with the highly coveted frequencies, time alone will tell. W8XAL of Cincinnati, Ohio, will also get an increase in power from 10,000 to 50,000 watts, if the application is granted . . . W8XAL, on its new frequency of 9.67 megs, is transmitting daily from 5 p.m. to 1 a.m. EST.

"This is Ankara calling," was the station announcement in English heard on Sunday, October 23, at 2:45 p.m. EST, by Eugene Reinhard of Locust, N. J., which definitely identified this transmission as one broadcast over the new Turkish transmitter TAP (9.465). Following the announcements in French, German, and English, the broadcaster left the air at 4:07 p.m. EST.

L. Schlesinger Carrern, director of Radiodifusora Nacional de Guatemala, requests that we publish the operating schedule for the "La Voz de Guatemala," which is as follows: Over TGWB (6.49), week-days from 7:45 to 9 a.m., from 12:45 to 3:45 and from 7:30 p.m. to 12:15 a.m., and on Sundays from 10:30 a.m. to 5:15 p.m. and from 7 p.m. to 12 midnight EST; over TGWA on 15.17 megs, week-days from 12:45 to 1:45 p.m., and on Sundays from 12:45 to 5:15 p.m.; on 9.685 megs, week-days from 10 to 11:30 p.m. and on Sundays from 7 p.m. to 12 midnight EST.



"The Schmidts at Home," fortnightly broadcast of the German Short-Wave Stations DJB and DJD, may be heard this week on Friday, at 8:30 p.m. EST. Above: Well-known actors who make up the cast

Monday, November 14

7 a.m.—Amateur broadcasts from Hollandia, New Guinea: PK6XN (14.007)
8:30 a.m.—Program from Hong Kong: ZBW3
8:30 a.m.—Siamese program: HSOPJ (15.23)
10:30 a.m.—Program from the Vatican: HVJ (15.12)
12:20 p.m.—Robert Louis Stevenson's birthplace: GSG GSJ
3:10 p.m.—Eddie Carroll's orchestra: GSG GSP
8:30 p.m.—French mail bag: W3XL (17.78)
4:45 p.m.—Broadcast from St. Kitts: ZIZ
4:45 p.m.—English transmissions from Moscow: RNE (12)
9:45 p.m. (ex. Sat.)—Portuguese news: W2XE (11.823)
5:20 p.m.—"An African Survey," Lord Hailey: GSD GSP
6:45 p.m.—Sports review: W2XAF (9.53)
7:15 p.m.—Today in Germany: DJB DJD
7:45 p.m. (ex. Sat.)—North American program: OLR4A OLR5A
8 p.m.—"Brazil on the Air": PSH (10.22)
8:30 p.m.—200's Mail Bag: ZR04 IRF IQY
9:30 p.m.—Dresden broadcasts to Dresden: a German city greets its namesakes in United States and Canada: DJB DJD DJZ
10:30 p.m. (ex. Sat.)—Amateur hour direct from "Teatre National": YV5H
9:45 p.m. (ex. Sat.)—English news: OLR4A
10:30 p.m.—Central European Review of Affairs: OLR4A OLR5A

Tuesday, November 15

7:15 a.m.—"Empire Gazette": GSF GSG GSJ
10:15 a.m.—Variety show, "Steamboat": GSF
1:30 p.m.—International Short Wave Orchestra: W2XAD (15.33)
2 p.m.—"As I See It," Lord Harlech: GSG GSP
3 p.m.—Birmingham Philharmonic String Orchestra: GSG GSP
4:45 p.m.—Monitor news: WIXAL (11.79)
7:10 p.m.—Technical tips for the radiofan: DJB
7:45 p.m.—Empire notes: ZR04 IRF IQY
8 p.m.—Newark News Radio Club on the Air: W2XAI (26.3)
8:30 p.m.—George Hollier, songs: DJB DJD DJZ
9:15 p.m.—Opera, "Der Friedenstag," Richard Strauss: DJB DJD DJZ
10:05 p.m.—O. H. Preoud, organist: GSG GSP

Wednesday, November 16

8:15 a.m.—Meeting of the PHOMI Club: PHM
10 a.m.—RHM Empire Orchestra: GSF GSG GSJ
11:40 a.m.—"World Affairs," J. L. Brierly: GSF
1:45 p.m.—Music in Everyday Life: GSG GSP
3:15 p.m.—BBC Symphony Orchestra, conducted by Basil Cameron: GSG GSJ
6 p.m.—Prof. Fritz Hermann, organist: DJB
6:30 p.m.—Program from Martinique: Italo Marzio (9.683)
7:30 p.m.—Budapest program: HAT4
7:30 p.m.—North American Hour: FSI, Kitis: Z1Z
8:45 p.m.—Program from Sweden: SPB
8:40 p.m.—Old Dance music: OLR4A OLR5A
9:20 p.m.—Suzuki Homeland evening: DJB DJZ IMD
10 p.m.—Step Dancing: GSC GSD GSL
10:30 p.m.—"SWL Chatterbox": W2XWJ (41)

Thursday, November 17

7:30 a.m.—"At the Black Dog": GSF GSG GSJ
10 a.m.—The South Sea Bulbuls: GSF GSG GSJ
12:20 p.m.—Gershwin Perking Quintet: GSG
3:05 p.m.—Billy Cotton and his band: GSG GSP
4:35 p.m.—Hockey: Wembley Monarchs vs. Brighton Tigers: GSD GSP
5 p.m.—The Happy Family sings and plays: DJB
7:15 p.m.—Hymn hour: W3XL (17.78)
8 p.m.—John Dickenson Band: GSC GSD GSL
8:40 p.m.—Selections from operettas: OLR4A
8:45 p.m.—Talk, "Home and Germany": DJB
9:15 p.m.—Count Ziegfeld and his Work: DJB
12:15 a.m.—Voice of Hawaii: KQH (14.92)

Friday, November 18

9:20 a.m.—Asian Hippodrome Orchestra: GSF
12:40 p.m.—Serge Kriss Septet: GSG GSI
3:25 p.m.—Glasgow Orpheus Choir: GSG GSP
5 p.m.—News resume: LRA (18.115-9.69)
6 p.m.—Budapest program: HAT4
7:30 p.m.—Caruso Melina, songs: VVSGC
8 p.m.—Easy Hour: COCH
8:30 p.m.—The Schmidtts at Home: DJB DJD
9:30 p.m.—Symphony concert: DJB DJD DJZ
9:45 p.m.—American hour: CSW7
10:10 p.m.—Children's choir: OLR4A OLR5A
10:50 p.m.—Swing Music from America: GSC GSD GSL

Saturday, November 19

8 a.m.—Bristol Hippodrome Orchestra: GSF GSG GSJ
8:30 a.m.—Peter Stadlen, piano: PHM
2:30 p.m.—"In Town Tonight": GSG GSP
3 p.m.—Music Hall: featuring Bebe Daniels and Ben Lyon: GSG GSP
4:45 p.m.—BBC Military Band: GSD GSP
6 p.m.—Tourist hour: HPSA
7:30 p.m.—Shakespeare Cycle of the German Short-Wave Station: "King Lear": DJB DJD DJZ
8 p.m.—Hour of Costa Rica: TIG (6.41)
8:15 p.m.—José Betancourt, singer: VVSGC
9 p.m.—Dance music: VVSGC
9:30 p.m.—Lily Phillips, cello: GSC GSD GSL
10 p.m.—Opera: OAX4
12 mid.—Voice of Hawaii: native instrumentalists and solists: KQH (14.92)

Lug of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
COCH, Cuba	0.43	JXJ, Japan	11.80
COCB	0.725	OLRZA, Czechoslovakia	9.55
COOF	11.805	"	11.85
CSWZ, Portugal	9.725	OLRZA, "	11.85
DJB, Germany	11.28	OLRAB, "	11.70
DJC	6.02	CERSA, "	15.20
DJB	11.71	OLRBD, "	15.22
DJL	16.11	OZT, Denmark	9.52
DJO	11.795	PCJ, Holland	11.80
DJP	11.835	PCJ	15.75
DZJ	11.88	RAN, U.S.S.R.	3.88
EAJ42, Ecuador	7.50	RKI	12.80
EAO, Spain	9.655	RNE	12.60
EAR	9.48	RVE	6.50
EASW, Spanish Mexico	6.65	SGP, Sweden	11.70
GBA, England	14.02	SPD, Poland	11.55
GSD	9.65	SPW, "	13.61
GSC	9.51	SPS, "	15.19
GSD	9.58	SPS, "	15.71
GST	11.75	TFJ, Ireland	12.25
GST	11.85	TGWA, Guatemala	1.61
GST	16.14	TIANZH, Costa Rica	1.61
GSO	17.79	RECA	9.65
GSH	22.47	TPA1, France	15.21
GSI	15.24	TPA2	11.88
GSI	21.58	TPA3	11.71
GSL	6.11	TPBT	11.88
GSO	15.18	VE2ME, Australia	9.51
GSP	15.31	VLR	9.58
HAS1, Hungary	15.87	WUDI, India	9.51
HAT4	9.12	WUDI	15.16
HBJ, Switzerland	14.625	WIXAL, Boston, Mass.	
HJL	9.54	WZB, 15.25, 11.70, 6.61	
HBO	11.402	XEUX, Mexico, D.F. 1.11	
HBP	7.80	YRD, El Salvador	7.85
HHS8, Haiti	5.385	YVRC, Venezuela	1.85
HJAB, Colombia	9.65	ZBWA, China	9.52
HPTA, Panama	11.7	ZBZK, British Honduras	10.1
HPS	9.60	ZBZK, So. Africa	9.61
HSPG1, Siam	15.23	ZIK, St. Kitts	9.61
HSPG2	8.51, 19.02	ZIK, So. Africa	9.61
IQY, Italy	11.810	ZHL, S.E. Kamimba	6.91
IZY, Italy	8.88	ZRQ3, Italy	9.83
JDY, Kwantung	8.925	ZRQ4	11.8

Short-wave programs of American stations are shown along with the regular listings beginning on page 28. These are indicated, for example, by (ex. 11.87) in parentheses following a program listing. This means that for 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m.: JZJ; 4:50, GSD, GSE, GSF, GSO, GSP; 7:45, ADY; 8:30, GSF, GSD, GSI, GSD, GSI, GSD; 8:55, JZJ; 11, GSD, GSE, GSF, GSO, GSP; 3:10, TPA3; 4:15, GSA, GSI, GSD, GSO, GSP; 4:30, OLR4A or OLR4B; 4:45, EAJAH, 6, HP5A; 7, EAJAH, HP5B, RAN, RKI; 7:30, ZB04, IRF, IQY, EAQ; 7:40, GSB, GSC, GSD, GSI, GSO; 8, EAJ42; 8:05, JZJ; 8:15, DJB, DJD, DJO; 8:45, FAQ; 9:45, CARO, CJRN, 10:30, INB, DJD, DJO, GSB, GSC, GSD, GSI; 11, TPA4, TPBT.

Daily except Sundays—7:30 a.m., VLR.

Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., OLR4A, OLR5A.

Sunday, November 20

*3 a.m.—English transmission from Moscow: WVS6 (15.175)

*7 a.m.—Overseas hour (Eastern U. S.): JZJ

*8 a.m.—Overseas hour (South Seas): JZJ

*8 a.m.—Variety program: DJB.

*8 a.m.—International church: COCQ

10:45 a.m.—League of Nations broadcast: HRB (18.48)

*12:45 p.m.—Río de Oro Marimba Band: TGWA (15.17)

*1:30 p.m.—Italian news: W3XL (17.78)

1:40 p.m.—Iceland hour: TPJ

*2 p.m.—German news: W3XL (17.78)

*2:30 p.m.—Experimental broadcasts from Tokyo: TAP (9.465)

*3 p.m.—French news: W3XL (17.78)

4:20 p.m.—War news in English: EAJAH

*5 (& 7) p.m.—Portuguese news: W3XL (17.78)

*6 (& 8) p.m.—Spanish news: W3XL (17.78)

*6 p.m.—Program from Portugal: CSW7

*6:15 p.m. (ex. Sat.)—Morning Express: PCJ (15.22)

*6:45 p.m.—Spanish news: W2XE (11.83)

*7 p.m.—Soviet program: RAN, RKI

*7:30 p.m.—English news: ZB03, IRF, IQY

7:45 p.m.—Opera, "Lucrèza": ZB03, IRF, IQY

*8 p.m.—Experimental program from Switzerland: (9.35)

*8 p.m.—Overseas hour (Eastern America): JZK

*8 p.m.—Nationalist program for North America: EAJ42

*8:15 p.m.—English news: DJB, DJD, DJZ

*8:30 p.m.—Program from India: VUD3 (15.16)

*8:30 p.m.—Jamaica on the Air: JHES (5.955)

*8:30 p.m.—Spanish news: GSB, GSO

*8:45 p.m.—Portuguese news: GSB, GSO

*9 p.m.—Program from Miami, Florida: W4XB (6.04)

*9:30 p.m.—North American broadcast: TPB7

*9:30 p.m.—Danish program for North America: OZF

*10 p.m. (ex. Mon.)—Friendship hour: HCJIB (14.43), HK2JB (12.46)

*10:15 p.m.—English transmissions: RNE (12)

10:30 p.m.—Bucaramanga Mild Coffee Hour: HJ7ABD

*10:55 p.m.—English news: YNLF (6.76)

*11 p.m.—English news: TPBT, TPA4

*11:45 p.m. (ex. Sat.)—Program from South Africa: ZRK

*12 mid.—Program from Melbourne, Australia: VLR3 (11.88)

*12:30 a.m.—Overseas hour (West Coast): JZJ

Key to Symbols Used: *Daily; †Week Days;
†Monday Wednesday, Friday; §Monday, Thursday,
\$Tuesday, Friday; ¶Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

TALY'S new imperial short-wave center at Prato-Smeraldo, near Rome, was officially inaugurated on October 31. Four new transmitters, two with a power of 100,000 watts each and two with a power of 50,000 watts each, are in operation. The 100,000-watt transmitters will probably utilize the following frequencies: 15.19, 15.3, 17.82 and 21.58 megs, while the 50,000-watt transmitters will operate on 11.81, 11.67, 9.67 and 9.635 megs. A vast network of twenty-two separate directional antennae spreads over the Center's grounds. As many as five of these beams can function simultaneously on any frequency. Programs in Arabian, Bulgarian, Danish, English, Esperanto, French, German, Greek, Hungarian, Jugoslavian, Romanian, Russian, Spanish, Turkish and Italian are being broadcast at regular intervals throughout the day, from 4:40 a.m. to 9 p.m. EST. The American Hour is still being heard daily from 7:30 to 9 p.m. EST, but on a revised frequency of 9.635 megs. This period is also broadcast on 9.83 and 11.87 megs.

E. F. McDonald, president of the Zenith Radio Corporation, is not convinced that television is as yet ready for home reception. However, a Zenith television station is nearing completion in Chicago, and experimental television receivers will then be placed in the hands of a few engineers and experimenters for preliminary reception tests.

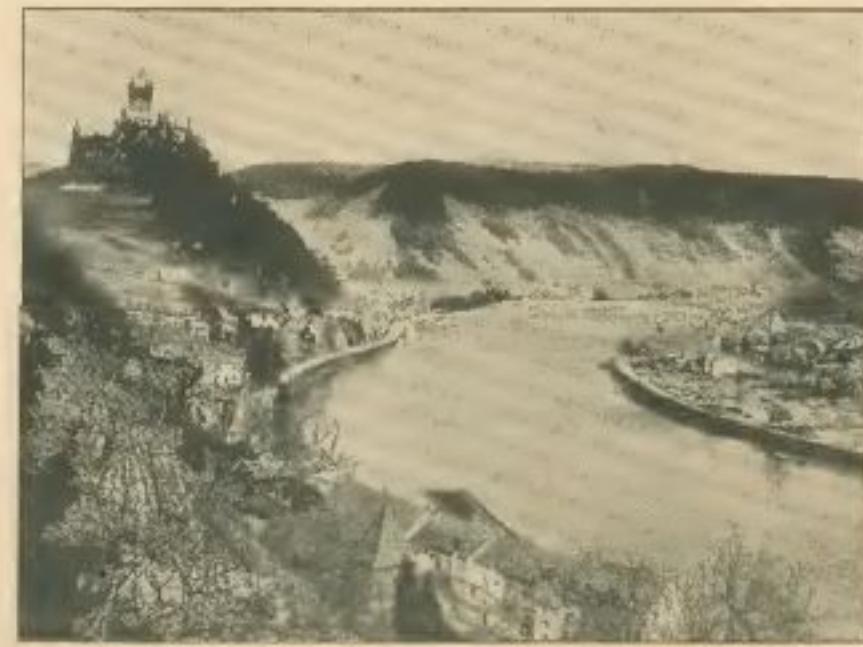
The new Norwegian short-wave station (Norsk Rikskringkasting), was inaugurated on October 30. Special programs for Norwegians living abroad are being broadcast nightly from 8 to 9 and from 10 to 11 p.m. EST, on a frequency of 8.526 megs. These broadcasts consist of songs, music, talks and news commentaries, in Norwegian. It is improbable that these programs will be received in North America with W2XAFA of Schenectady, N. Y., operating only four kilometers away on 9.53 megs. The Norwegian station should shift to a clear channel . . . A 60,000-watt short-wave station will be put into

operation in Lithuania at the beginning of next year.

According to Herman Orlow of Vancouver, B. C., Canada, the new Khabarovsk, U. S. S. R. stations, RV69 (6.045), and RFN (6.83), are being heard daily from 2:30 to 10 a.m. EST. A new Moscow station is also being heard with loud signals on 9.32 megs, from 4 to 9 p.m. EST. After 6 p.m. EST the station works in parallel with RAN (9.6).

SHORT-WAVE SHORTS: WIXD, a fifteen-watt Submarine Signal at Boston, Mass., has been licensed to operate on 1.614, 2.398, 3.402 and 4.797 megs. . . The Australian DX Club reports that PK8XX, basecamp station of the Archbold Expedition at Hollandia, Dutch New Guinea, contacts the advance party daily at 2:30 a.m. EST, on a frequency of 6.52 megs. The advance party uses portable five-watt transmitters . . . Robert Walsh of New York City writes that the new 2,000-watt transmitter at Moydrum, near Athlone, Ireland, is completed, and will radiate initial tests as soon as official frequencies for the station have been fixed by the International Broadcasting Union. . . W3XL is the new call for the NBC station operating on the frequency of 6.1 megs . . . The Director of All-India Radio at Delhi, India, writes that it is indebted for valuable data regarding its station's performance furnished by *Radio Gute* readers, but suggests that reports should be more detailed, since with the meager information sometimes furnished by listeners it is quite difficult to forward a verification.

Eric Butcher of San Juan, Puerto Rico, writes that a new station located at Pointe a Pitre, Guadeloupe, French West Indies, is being heard nightly near 6 p.m. EST, on a frequency of 7.2 megs. All announcements are made in French . . . Japan's overseas broadcasts for North America are now being radiated only over JZJ (11.8), daily as follows: From 12:30 to 1:30, 7 to 7:30 a.m. and 8 to 8:30 p.m. EST.



Listeners to the German short-wave stations DJB and DJD will hear a dramatization of the history of Cochem Castle on the Mosel (above), Monday at 5 p.m. EST, 4 p.m. CST, 3 p.m. MST, 2 p.m. PST

Monday, November 21

8 a.m.—Visit of King Leopold to Amsterdam: PHI

8:30 a.m.—Program from Hong Kong: ZBW3

8:30 a.m.—Siamese program: HS6P1 (15.23)

9:30 a.m.—Program from the Ukraine: HVA (15.12)

12:20 p.m.—The Alpha: GSG, GSJ

8:30 a.m.—French mail bag: W3XL (17.78)

1:45 p.m.—Broadcast from St. Kitts: ZIZ

2:45 p.m.—English transmission: RNE (12)

3:45 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)

4:45 p.m.—Munster news: WIXAL (11.79)

5 p.m.—Drama, Cochran Castle: DJB, DJD

6 p.m.—Cleveland Radio Club Broadcast from Martinique: Radio Martinique (9.705)

6:30 p.m.—English program from Martinique: Radio Martinique (9.705)

6:45 p.m.—Sports review: WZAL (19.53)

7:15 p.m.—Today in Germany: DJB, DJD

7:30 p.m. (ex. Sat.)—North American program: OLR4A, OLR5A

8 p.m.—Brazil on the Air: PSB (10.22)

8:30 p.m.—ZRO's mail bag: ZB03, IRF, IQY

8:45 p.m.—Ketty Magg, and Sidonetta Flora: YVSH

9:30 p.m.—Special Broadcast for Missouri: DJB

10:30 p.m. (ex. Sat.)—Amateur hour: YVSH

10:30 p.m. (ex. Sat.)—English news: OLRSA

10 p.m.—Guatemalan program: TGWA

10:30 p.m.—Central European Review of Affairs: OLRMA, OLRSA

Tuesday, November 22

8 a.m.—Visit of King Leopold to Amsterdam: PHI

10:15 a.m.—Variety program, "Steamboat": GSF

3 p.m.—Two Musical Plays by Noel Coward, "Red Peppers" and "Family Album": GSF

4:35 p.m.—Symphony concert: GSD, GSP

5:20 p.m.—"Topics of the Day," Sir Frederick Whyte: GSC, GSD, GSI

7 p.m.—Bilbao program: HAT4

7:10 p.m.—Technical tips for the radio fan: DJB

7:45 p.m.—Empire notes: ZB03, IRF, IQY

8 p.m.—Tuesday Symphonies: ZB03, IRF, IQY

9 p.m.—International DXers Alliance Broadcast from Ecuador: HC2RL (6.635)

10:05 p.m.—Arnold Goldthrough, organ: GSC

Wednesday, November 23

8:15 a.m.—Auto Chess Tournament: PHI

11:40 a.m.—"World Affairs," H. Wickham Steed: GSF, GSG, GSI

2 p.m.—BBC Variety Orchestra: GSG, GSP

3:15 p.m.—BBC Symphony Concert: BBC Symphony Orchestra, Conducted by Sir Adrian Boult: GSC, GSP

4:35 p.m.—Dance Cabaret: GSD, GSP

6 p.m.—Folk dances: DJB, DJD

6:30 p.m.—Program from Martinique: Radio Martinique (9.705)

7 p.m.—Budapest program: HAT4

7:30 p.m.—North American Hour from St. Kitts: ZIZ

8 p.m.—Violin Recital by Bratta: GSC, GSD, GSI

8:45 p.m.—Program from Sweden: SBP

8:40 p.m.—Medley of music and songs: OLR4A

10:30 p.m.—SWL Chatterbox: W3XWJ (41)

Thursday, November 24

9 a.m.—Sale of stamps: GSF, GSG, GSI

10 a.m.—PLAY, "Florence Nightingale": GSF

12:20 p.m.—Canada Speaks: USG, GSI

6:20 p.m.—Chamber music series: GSC, GSD, GSI

7:15 p.m.—Rhapsody Hour: W3XL (17.78)

7:45 p.m.—Opera selections: ZB03, IRF, IQY

8:15 p.m.—A Talk in English by Fumitaka Konoye: JZJ

9 p.m.—National Radio Club Broadcast from Costa Rica: T14 NRH

9:15 p.m.—In honor of Thanksgiving Day: DJB

10:50 p.m.—At the Black Dog: GSC, GSD, GSI

12:15 a.m.—Voice of Hawaii: KQH (14.92)

8:15 a.m.—Rhythm and Romanticism: PHI

10:30 a.m.—Violin recital by Samuel Kotchess: GSF, GSG, GSI

2 p.m.—BBC Empire orchestra: GSG, GSP

2:30 p.m.—Opera, "I Pagliacci": GSG, GSP

5 p.m.—News: LRA (18.115-9.69)

6 p.m.—Budapest program: HAT4

7:45 p.m.—Guest night: ZB03, IRF, IQY

8 p.m.—Excerpts from "Madame Butterfly": GSC

8:30 p.m.—Mail box: WIXAL (6.04)

9:30 p.m.—Sketch, "The Last Song": DJB, DJD

10:50 p.m.—Songs of the Sea: GSC, GSD, GSI

Friday, November 25

8:15 a.m.—Football: Birmingham vs. Portmouth: GSF, GSG, GSI

12:30 p.m.—Harry Roy's band: GSG, GSI

1:30 p.m.—Plantation songs: GSG, GSI

2 p.m.—Rugby: Oxford vs. London Scottish and Cambridge vs. United Services: GSG, GSP

2:30 p.m.—In Town Tonight: GSG, GSP

3 p.m.—Sing song: GSG, GSP

3:15 p.m.—At the Theater: GSD, GSP

3:45 p.m.—German Artists: DJB, DJD, DJZ

8 p.m.—The Lecuna Cuban Boys: GSC, GSD

8 p.m.—Hoos of Cedar River: THG (6.41)

9 p.m.—Dance music: YVSR

9:15 p.m.—Club of Nations: DJB, DJD, DJZ

10 p.m.—Opera: DAX4

12 mid.—Voice of Hawaii: Native soloists and instrumentalists: KQH (14.92)

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
COCB, Cuba	9.43	JZJ, Japan	11.35
COCA, " "	9.765	OLRRA, Czechoslovakia	8.58
COGE, " "	11.805	"	8.58
CWST, Portugal	8.120	OLRRA, " "	11.64
DJB, Germany	15.20	OLRRA, " "	11.70
DJC, " "	6.99	OLRRA, " "	15.82
DJD, " "	11.77	OLRRA, " "	15.82
DJL, " "	16.11	OZP, Denmark	9.52
DJO, " "	13.790	PCF, Holland	8.86 15.27
DJP, " "	11.850	PHI, " "	17.725
DJR, " "	11.80	RAN, U.S.S.R.	9.60
FAJAS, Canaries	7.50	RKA, " "	15.08
GAQ, Spain	8.856	RNE, " "	12.00
EAK, " "	8.89	HVS, " "	8.00
ERAAH, Spanish Norocco	8.89	SHP, Sweden	11.705
ESB, England	14.05	SPD, Poland	11.52
GAB, " "	8.08	SPW, " "	12.64
GCB, " "	8.81	SPB, " "	11.18
GDC, " "	8.18	SPAS, " "	11.74
GSD, " "	11.75	TEF, Ireland	12.23
GSE, " "	11.76	TGWA, Guatemala	8.051
GSP, " "	15.24	TIANXIE, Costa Rica	9.092
GSS, " "	17.79	TRC, " "	9.092
GSH, " "	21.47	TPAF, France	11.24
GSI, " "	13.36	TPAF, " "	11.81
GSO, " "	21.48	TPAF, " "	11.71
GSL, " "	4.11	TPET, " "	11.855
GTO, " "	16.10	VKME, Australia	8.55
GUP, " "	16.21	VLR, " "	8.88
HAZ, Hungary	12.37	VUDS, India	8.29
HAT, " "	9.12	VUDS, " "	11.16
HWB, Switzerland	14.025	WIXAL, Boston, Mass.	
HJL, " "	8.24	15.25, 11.19, 8.04	
HJO, " "	11.405	XEUX, Mexico, D.T.	6.12
HJP, " "	7.80	YRD, El Salvador	7.24
HRS, Haiti	8.855	YVACO, Venezuela	3.27
HJTAHD, Colombia	8.82	ZEWI, China	9.528
HPSA, Panama	11.7	ZIKR, British Honduras	10.8
HPSJ, " "	8.60	ZIKR, St. Kitts	5.285
HSPJ, " "	15.25	ZIKR, So. Africa	8.81
HQY, Italy	11.075	ZMI, S. R. Malimba	6.01
IAR, " "	8.22	ZRO3, Italy	8.624
JOY, Kwantung	9.88	ZRO3, " "	11.81

Short-wave programs of American stations are shown along with the regular listings beginning at page 20. Those are indicated, for example, by (ex-SAT) in parentheses following a program listing. This means that an 11.81 megacycles the same program may also be heard over six American short-wave stations. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., JZJ, 4.50, GSD, GSE, GSF, G-O, GSP; 7:45, HJV, 8:20, GSF, GNG, GSB, GSE, GJ, 8.55, JZJ; 11, GSD, GSE, GSF, GGO, GSI; 3:10, TPA3; 4:15, GSA, GSB, GSD, GSO, GSP; 4:30, OLRAA or OLRAH, 8.45, EA9AH; 6, HPSA, 7, ERAAH, HPSI, RAN, HKI, 7:30, ZRO3, HIF, IQY, EAU; 7:45, GSB, GNC, GSD, GNL, GSO; 9, EA43; 10:05, JZJ, 8:15, DJB, DJD, DJL, DJM, 8:45, FAU; 9:45, CJO, CJOX, CJOX; 10:30, DJB, DJD, DJL, GSB, GNC, GSD, GSI, 11, TPA3, TPA7.

Daily except Sundays—7:30 a.m., VLR
Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., HJTAHD, 01.15A

Sunday, November 27

12 a.m.—English transmission, RV96 (15.175)
12 a.m.—Overseas hour (Eastern U. S.): JZJ
12 a.m.—Various programs: HJL
12 a.m.—International church COCQ
10:45 a.m.—League of Nations broadcast: HBB
(18.43)
12:45 p.m.—Rio de Oro Marimba Band: TGWA
(15.17)
1:30 p.m.—Italian news: W3XL (17.78)
2 p.m.—German news: W3XL (17.78)
2:30 p.m.—Experimental broadcasts from Turkey:
TAP (9.455)
3 p.m.—French news: W3XL (17.78)
3 p.m.—Portuguese news: W3XL (17.78)
6 p.m.—Spanish program: SPD, SPW, SP19, SP25
6 p.m.—Spanish news: W3XL (17.78)
6 p.m.—Program from Portugal: CSWT
6:15 p.m. (ex. Sat.)—Norman Express: PCJ
(15.22)
6:20 p.m.—Bulletin Board: WIXAL (11.79)
6:45 p.m.—Spanish news: W2XE (9.65)
7 p.m.—Program from Budapest: HAT4
7 p.m.—Soviet Program: RAN, HKI
7 p.m.—Portuguese news: W3XL (17.78)
7:30 p.m.—English news: ZRO3, HIF, IQY
7:45 p.m.—Opera, "Gianni Schicchi": ZRO3, HIF
8 p.m.—Experimental program from Switzerland:
(9.535)
8 p.m.—Spanish news: W3XL (17.78)
8 p.m.—Overseas hour (Eastern America): JZK
8 p.m.—Nationalist program: EA43
8:15 p.m.—Ethiopian news: DJB, DJD, DJL
8:30 p.m.—Program from India: VUDS (15.16)
8:30 p.m.—Jamaica on the Air: HH2S (5.955)
8:30 p.m.—Spanish news: GSB, GSO
8:45 p.m.—Portuguese news: GSB, GSO
9 p.m.—Program from Miami, Florida: W4XB
(6.04)
9:30 p.m.—North American broadcast: TPB7
9:30 p.m.—Danish program: OZF
10 p.m. (ex. Mon.)—Friendship hour: BCJLB
(18.43), HCJLB (11.46)
10:15 p.m.—Cleveland Radio Club Program from
Moscow: RAN (12)
10:30 p.m.—Bucaramanga M&M Coffee Hour:
HJTAHD
10:55 p.m.—English news: YNBF (6.76)
11 p.m.—English news: TPB7, TPA4
11:45 p.m. (ex. Sat.)—Program from South Afri-
ca: XRN
12 mid.—Program from Melbourne, Australia:
VLL13 (11.88)
12:30 a.m.—Overseas hour (West Coast): JZJ

Key to Symbols Used: *Daily; †Week Days;
Monday, Wednesday, Friday; #Monday, Thursday;
\$Wednesday, Friday; **Wednesday, Saturday,

On Short Waves

Edited by Chas. A. Morrison

President International DXers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

APART from New Year's Day, there are two days in the year on which Scotsmen like to let themselves go. The first is the anniversary of Robert Burns; the second is St. Andrew's day, November 30. The following programs from Daventry have been arranged to help commemorate this latter event! A special St. Andrew's day talk to be heard on Wednesday, November 30, at 6:35 a.m. over GSF, GSG and GSJ, and at 11:05 p.m. over GSC, GSD and GSI, and a feature program from Edinburgh, entitled "Scotland, 1938," to be heard on the same day at 2 p.m. EST over GSG and GSP . . . The news in French, German and Italian, is now broadcast over Daventry stations GSE (11.86), and GSA (6.05), week-days at 2 p.m. and on Sundays at 1 p.m. EST.

According to a letter from the Caribbean Broadcasting Service, ZIZ (6.384) of St. Kitts, R. W. I., now operates week-days from 4 to 4:35 p.m. and on Wednesdays from 7 to 7:30 p.m. EST; the latter period being sponsored by the Booker Drug Stores of Demarara.

WIXAL (11.79) of Boston, Mass., presents a "Bulletin Board" broadcast featuring announcements regarding future transmissions, Sundays at 6:20 p.m. EST . . . Messages from the jungle outposts of British Guiana are given over short-wave station VP3BG (6.13) of Georgetown, on Sundays at 4:45 p.m. EST.

The Crosley Radio Corporation of Cincinnati, Ohio, has been granted permission to increase the power of short-wave station WBXAL to 50,000 watts, and to operate on the additional frequencies of 21.65 and 17.76 mcs . . . The Columbia Broadcasting System of New York City has been granted permission to add the frequencies of 6.17, 9.65, 17.83 and 21.57 mcs in addition to the regular frequencies of 6.12, 11.83 and 15.27 mcs, already assigned to short-wave station W2XE. The new broadcasting schedule for W2XE, which was adopted on November 15, follows: On 21.57 mcs, week-days, 7:30 to 10 a.m., and on Saturdays and Sun-

days from 8 a.m. to 1 p.m.; on 15.27 mcs, week-days, 1 to 3 p.m., and on Saturdays and Sundays from 1:30 to 2:30 p.m.; on 11.83 mcs, week-days, 3:30 to 6 p.m., and on Saturdays and Sundays, 3 to 6 p.m.; on 9.65 mcs, daily, 6:30 to 11 p.m., and on 6.17 mcs, daily, 11:30 p.m. to 12:30 a.m. EST.

Roger Legge of Binghamton, N. Y., advises me that the revised calls and frequencies for the short-wave stations of Colombia are as follows:

HJ2BAC (4.815), Cuenta (ex-HJ2ABC); HJ2BAJ (4.805), Santa Marta (ex-HJ2ABJ); HJ3CAH (4.895), Bogota (ex-HJ3ABH); HJ3CAF (4.855), Bogota (ex-HJ3ABF); HJ3CAB (4.845), Bogota (ex-HJ3ABD); HJ3CAX (6.02), Bogota (ex-HJ3ABX); HJ5ABD (4.825), Cali; HJ6ABH (4.875), Armenia; HJ7GAB (4.775), Bucaramanga (ex-HJ7ABD), and HJ6FBC (4.705), Ibagué (ex-HJ6ABC).

SHORT-WAVE SHORTS: A mysterious station heard between 4 and 5 p.m. EST on a frequency of approximately 9.46 mcs, is believed by the writer to have been IQN, the new 5,000-watt station recently inaugurated in the Zanzur Oasis of Tripolitania. A three-tone whistle identified the transmitter . . . The identifying signal for CH970 (9.73), "La Voz de Chile," the new station at Valparaiso, Chile, is a chorus or two from "Anchors Aweigh" . . . Earl Roberts of Indianapolis, Ind., gives the schedule of CHNX (6.132), Halifax, Nova Scotia, as daily from 7 a.m. to 10:15 p.m. and on Sundays from 12:15 to 10 p.m. EST . . . The Milwaukee Journal Company of Milwaukee, Wis., operators of broadcast station WTMJ, have applied for a license to operate a television station for the purpose of transmitting a regular schedule of visual programs . . . According to Radio-Press Service, coils which enable reception on the short waves are being forcibly extracted from all receiving sets in Vienna, Germany . . . The power of short-wave station COCO (5.985) of Havana, Cuba, is to be upped shortly to 5,000 watts.



Left: Listeners to W3XL often hear Laura Suarez singing in Spanish and Portuguese. Right: Iracema de Melo conducts Portuguese Woman's Page over same station, Tuesdays, Fridays, 7:30 p.m. EST



Monday, November 28

8:30 a.m.—Program from Hong Kong: ZB9K3
8:30 a.m.—Chinese program: HS61PZ (15.23)
11:30 a.m.—Nature: GSF, GSG, GSD
12 p.m. (ex. Thurs.)—Program from Vatican City:
HVJ (6.03 or 6.19)
12 p.m.—News in French, German and Italian:
GSA, GSF
2:50 p.m.—Story House, general: GSF, GSP
8:30 p.m.—French and Eng.: W3XL (17.73)
9:45 p.m.—Broadcast from St. Louis: ZLZ
9:45 p.m.—English transmission: BNF (12)
10 p.m. (ex. Sat.)—Portuguese news: W2XE
(11.53)
10 p.m.—Minton news: WIXAL (11.79)
10:30 p.m.—Travelog: W2XAF (19.53), W2XAD
(15.33)

6 a.m.—Song of hundred years ago: DJB, DJD
6:20 p.m.—Excerpts from Light Opera: GSF, GSD
6:45 p.m.—Sports Review: W2XAF (19.53)
7:15 p.m.—Today in Germany: DJB, DJD
7:55 p.m. (ex. Sat.)—North American program:
OLR4A, OLRAA
8 p.m.—Brand on the Air: PSB (10.22)
8:30 p.m.—ZB9K3 mail bag: ZB9K3, HIF, IQY
9:30 p.m.—Central European program: DJB, DJD
10:30 p.m. (ex. Sat.)—Amateur Hour: YVSBC
10:45 p.m. (ex. Sat.)—English news: OLHSA
10 a.m.—Guatemalan program: TGWA
10:15 p.m.—German Study Club: DJB, DJD, DJZ
10:30 p.m.—Central European Review of Affairs:
OLH4A

Tuesday, November 29

7 a.m.—Country Hop: GSF, GSG, GSF
8 a.m.—Actualities: PII
10:15 a.m.—Variety show: "Breakfast": GSF
10:30 a.m.—English program: HVJ (15.12)
2 p.m.—The Microphone at Large: GSF, GSP
3 p.m.—For You, Madame: GNG, GSP
6:15 p.m.—Series and merry songs: DJB, DJD
7:15 p.m.—Kelly Macs, songs: YVSBC
7:45 p.m.—Wisehart Trio: DJB, DJD, DJZ
8 p.m.—Tuesday Symphonies: ZB9K3, HIF, IQY
8:45 p.m.—Talk, "Wintersport in Greater Ger-
many": DJB, DJD, DJZ
9 p.m.—Cleveland Radio Club Broadcast from
Ecuador: HCZHL (6.635)
10:40 p.m.—Popular music: OLHSA
1:45 a.m.—Latest topics from Japan: JZJ

Wednesday, November 30

6:35 a.m.—St. Andrew's Day Talk: GSF, GSG, GSF
10 a.m.—BBC Empire Orchestra: GSF, GSG, GSF
11:40 a.m.—World Affairs: A. P. Newton: GSF
12:35 a.m.—Hugo Egund's orchestra: GSF, GSF
2 p.m.—"Scotland, 1938," program for St. An-
drew's Day: GSF, GSF
5:15 p.m.—Organ music: DJB, DJD, DJZ
6:20 p.m.—Cards on the Table: GSF, GSD, GSF
6:30 p.m.—Program from Marimexan Radio Mu-
sique (9.705)
7 p.m.—North American Hour from St. Kitts:
ZIZ
7:45 p.m.—Enzo del Monte's quartet: ZB9K3, HIF
8:15 p.m.—Program from Saenz Juarez North Amer-
ica: SBP
8:15 p.m.—Rosita Jemma Wade: ZB9K3, HIF, IQY
10:30 p.m.—SWL Chatterbox: W3XXW (41)
10:50 p.m.—Rae Jenkins' Trio: GSF, GSD, GSF

Thursday, December 1

7:30 a.m.—At the Black Dog: GSF, GSG, GSF
10 a.m.—"Mayfair," the district of London bound-
ed by Oxford Street, Regent Street, Piccadilly,
and Park Lane: GSF, GSG, GSF
12:35 p.m.—Westminster Players: GSF, GSF
5:30 p.m.—Science Forum: W2XAD (15.33)
6:50 p.m.—Hockey: Lions vs. Rangers: GSF, GSD
7:15 p.m.—Rhapsody Hour: W3XL (17.78)
8 p.m.—Avalon Quartet: GSF, GSD, GSF
8:30 p.m.—Little German ABC: DJB, DJD, DJZ
2 p.m.—BBC Empire Symphony Concerts: GSF
12:15 a.m.—Voice of Hawaii: KQY (14.92)

Friday, December 2

6:40 a.m.—Light Music: GSF, GSG, GSF
9 a.m.—Opera, "I Pagliacci": GSF, GSG, GSF
12:40 p.m.—John Reinders' orchestra: GSF, GSF
2 p.m.—BBC Empire Symphony Concerts: GSF
5 p.m.—News resume: LRA (18.115 or 9.69)
5:25 p.m.—Dance music: GSF, GSP
7:05 p.m.—Frank Ritter's Brass Quintet: GSF, GSD
7:45 p.m.—Guest night: ZB9K3, HIF, IQY
8 p.m.—Evening: COCH
9 p.m.—Program for Latin America: WIXAL
(11.79)
10:50 p.m.—Dance music: GSF, GSD, GSF

Saturday, December 3

8 a.m.—Actualities: PII
9 a.m.—H. Roberto Cleaver, organist: GSF, GSG
10:15 a.m.—Football: Everton vs. Chelsea: GSF
1:30 p.m.—Fred Hartley's Sextet: GSF, GSF
2:30 p.m.—In Town Tonight: GSF, GSP
3 p.m.—Music Hall: GSF, GSP
6 p.m.—Tourist Hour: HPSA
6:20 p.m.—London live: GSF, GSD, GSF
8 p.m.—Oboe recital by Leon Grossman: GSF, GSD
GSL
8 p.m.—Hour of Costa Rica: TIPG (6.41)
8:15 p.m.—Jose Betancourt, singer: YVSBC
9 p.m.—Concert Hour at the Air: W2XAD (9.55)
10 p.m.—Opera: OAXAJ
11 p.m.—BBC Theater Organ: GSF, GSD, GSF
12 mid.—Voice of Hawaii, native customs and in-
strumentalists: KQY (14.92)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
COCB, Cuba	9.43	JZJ, Japan	11.88
"	9.725	OLRSA, Czechoslovakia	9.86
COOF, "	11.803	"	11.84
CSPW, Portugal	9.115	OLRGA, "	11.70
DJB, Germany	15.29	OLRAB, "	15.29
DJO, "	8.82	OLRCA, "	15.29
DJD, "	11.77	OLRBB, "	15.29
DJL, "	15.11	OZF, Denmark	9.82
DJO, "	11.758	PCJ, Holland	9.87, 15.22
DIF, "	11.855	PFI, "	17.775
DJZ, "	11.88	RAN, U.S.S.R.	8.00
FA243, Canaries	7.54	RKL, "	15.08
EAQ, Spain	9.855	RKE, "	12.08
EAB, "	8.49	RTS, "	6.80
EASAH, Spanish Morocco	9.745	SPD, Sweden	11.745
ESA, England	14.05	SPD, Poland	11.51
GSA, "	8.09	SPW, "	12.04
GSC, "	8.81	SPB, "	15.22
GSC, "	8.86	SPB, "	11.78
GSD, "	11.75	TEJ, Ireland	12.23
GSE, "	11.80	TGWA, Guatemala	8.035
GSE, "	15.14	TMNRM, Costa Rica	8.035
GSO, "	17.79	Nica, "	8.035
GSM, "	21.47	TPAF, France	15.24
GSI, "	15.89	TPAF, "	11.82
GSL, "	11.88	TPAF, "	11.71
GSL, "	8.11	TPAF, "	11.885
GSO, "	15.18	VKSME, Australia	9.88
GSP, "	15.83	VLR, "	8.08
HASZ, Hungary	15.27	VUDG, India	9.59
HAT, "	8.19	VUDG, "	15.16
HDJ, Switzerland	14.525	WIXAL, Boston, Mass.	
HRL, "	9.24	15.25, 11.70, 8.04	
HLDG, "	11.402	XEDZ, Mexico, D.F.	8.12
HMP, "	7.80	YSD, El Salvador	7.824
HMDG, Haiti	5.855	YVRC, Venezuela	8.07
HJABD, Colombia	9.63	XEWZ, China	9.525
HFBG, Panama	11.7	ZIIZ, British Honduras	10.8
HPSJ, "	8.40	ZIIZ, " "	10.8
HSSPJ, Siam	15.23	ZIZ, St. Kitts	6.385
HSSPJ, "	8.51	ZRE, So. Africa	8.01
IGY, Italy	11.678	9M1, S.E. Malabar	8.01
IHF, "	8.83	ZRQ, Italy	8.035
IDY, Kwantung	9.025	ZRQ, "	11.81

Short-wave programs of American stations are shown along with the regular listings beginning on page 26. These are indicated, for example, by (ex. Sat.) in parentheses following a program listing. This means that an 11.87 megacycle the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m.: JZJ, 4:50, GSD, GSE, GSF, GSO, GSP; 7:45, JDV, 8:30, GSF, GSG, GSI, GSE, GSC, GSI; 8:55, JZJ; 11, GSD, GSE, GSF, GSC, GSI; 3:10, TPA3; 4:15, GSA, GSB, GSD, GSC, GSO, 4:30, HJABD, or OLRAB; 4:45, EA9AH; 6, IP5A; 7, EA9AH, HPSJ, RAN, RRI; 7:30, ZRQ, IRF, NY, FAQ; 7:40, GSR, GSC, GSD, GSI, GSO; 8, EA9AB; 8:05, JZJ; 8:15, DJB, DJD, DJZ; 8:45, EAQ; 9:45, CJRO, CJRX; 10:30, DJB, DJD, DJO, GSH, GSC, GSD, GSI; 11, TPA4, TPA7.
Daily except Sundays—7:30 a.m., VLR, Mon., Tues., Wed., Thurs., Fri.—9:30 p.m., OLRAB, OLRSA.

Sunday, December 4

*3 a.m.—English transmission: RV96 (15.175)
3 a.m.—International DX'ers Alliance Program from Colombia: HJABD (9.63)
*7 a.m.—Overseas hour: JZJ
*8 a.m.—Variety program, DJL
*8 a.m.—International church: COCQ
10:45 a.m.—League of Nations broadcast: HBJ (14.535)
11:30 a.m.—Fred Hartley's sextet: GSF, GSG, GSI
*12:45 p.m.—Rin de Oro Marimba Band: TGWA (15.17)
*1:30 p.m.—Italian news: W3XL (17.78)
*2 p.m.—German news: W3XL (17.78)
*2:30 p.m.—Experimental broadcast from Turkey: TAP (9.465)
*3 p.m.—French news: W3XL (17.78)
*20 p.m.—War news in English: EA9AH
*5 (or 7) p.m.—Portuguese news: W3XL (17.78)
5:45 p.m.—Messages from British Guiana outposts: VP3BG (6.13)
*6 p.m.—Polish program: SWP, SPD, SP19, SP25
*6 (or 8) p.m.—Spanish news: W3XL (17.78)
*6 p.m.—Program from Portugal: CNW7
*6:15 p.m. (ex. Sat.)—Morning Express: PCJ (15.22)
*6:45 p.m.—Spanish news: W2XE (9.65)
*7 p.m.—Program from Budapest: HAT
*7 p.m.—Soviet program: RAN, RRI
*7:30 p.m.—English news: ZRQ, IRF, IQY
7:45 p.m.—Opera: ZRQ, IRF, IQY
*8 p.m.—Experimental programs from Switzerland: (9.535)
*8 p.m.—Overseas hour: JZJ
*8 p.m.—Nationalist program: EA9AB
*8:15 p.m.—English news: DJB, DJD, DJZ
*8:30 p.m.—Program from India: VUDG (15.16)
*8:30 p.m.—Janitors on the Air: IHZB (5.955)
*8:30 p.m.—Spanish news: GSB, GSO
*8:45 p.m.—Portuguese news: GSH, GSO
*9 p.m.—Program from Miami, Florida: W4XB (6.04)
*9:30 p.m.—North American broadcast: TPB7
*9:30 p.m.—Danish program: OZF
*10 p.m. (ex. Mon.)—Friendly hour: HC1JB (14.43), HC2JB (12.46)
*10:30 p.m.—Bocaramanga Mild Coffee Hour: HJABD
*10:55 p.m.—English news: YNRF (6.76)
*11 p.m.—English news: TPB7, TPA4
*11:45 p.m. (ex. Sat.)—Program from South Africa: ZKRN
12 mid.—Program from Melbourne, Australia: VLR3 (11.88)
*12:30 a.m.—Overseas hour: JZJ

Key to Symbols Used: *Daily; +Week Days;
†Monday, Wednesday, Friday; §Monday, Thursday; §§Monday, Friday; §§Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

DAVID SARNOFF, president of the Radio Corporation of America, in a recent speech before the Federal Communications Commission, predicted that within the next five or ten years, if political developments keep pace with scientific advances, we may hear the "voice of the world" expressed by a huge broadcasting station speaking for a future league of all nations; and the mandates of a world court or the messages of a league council may be sent to the utmost confines of the earth in a trifling fraction of a second and reach everyone everywhere.

The new Turkish transmitter, TAP (9.465), "Radio Ankara," at Ankara, Turkey, is being heard throughout the United States with excellent signals from about 1 to sign-off at 4 or 5 p.m. EST. The station carrier may be easily distinguished by the heavy hum on it. Both men and women announcers are employed and station identification is made in French, Spanish, German, Turkish and English.

Ashley Waleott of San Francisco, Calif., reports a powerful new short-wave transmitter is on the air in what is still independent China. Announcements in English, which are made every quarter-hour, are to the effect that the station is XGSA, the Kweiyang Broadcasting Station, Kweichow Province, China, operating on 43 meters (actual frequency is 7 megs). The station is on the air daily from 1 to 2 and 8 to 10:10 a.m. EST. News in English is read by a woman at 9 a.m. EST.

The new Chilean station CB970 (9.73), "Radio Popular, La Voz de Chile," at Valparaiso, operates nightly from 6:30 to 11:30 p.m. or 12 midnight EST.

SHORT-WAVE SHORTS: August Balbi of Los Angeles, Calif., writes that TPB7 (11.885) of Paris, France, has been sending test programs to Canada between 12:15 and 2 a.m. EST. . . The new 60,000-watt short-wave transmitter in Lithuania will be testing shortly . . . RV96 of Mos-

cow, U. S. S. R., formerly on 15.18 megs, has shifted to a frequency of 15.27 megs where it is completely blotted out by W2XE of New York City as soon as it comes on the air at 1 p.m. EST. The Soviet transmitter on 9.52 megs, operates in parallel with RV96 from 10 a.m. to 4 p.m. EST . . . Another frequency of the new Vienna, Germany, short-wave station, namely DJX (9.675), has been put into operation and may be heard daily from 10:40 a.m. to 4:25 p.m. EST. Its signal is beamed on Africa during this period . . . HB5J of Panama City, Panama, is at last operating very nearly on its assigned frequency of 9.59 megs . . . The new short-wave station YNRF, "Radio Nicaraguense," of Managua, seems to be operating simultaneously on two channels, namely 8.58 and 6.74 megs . . . W2XAA, an experimental transmitter of the Bell Telephone Company, located at Chicago, is testing irregularly throughout the day on frequencies of 8.655 and 12.882 megs . . . Visitors to General Electric's building at the New York World's Fair next year will not only see, but will participate in television programs. The company will establish in its building a studio with a number of television receivers, camera, and transmitting equipment . . . W9XA (26.45), owned by the Commercial Radio Equipment Company of Kansas City, Mo., relays broadcast station KITE, and features a short-wave mail-bag program daily from 12 noon to 12:15 p.m. EST. A valuable booklet is being sent to all reporting the station.

WIXAL, the University Club station at Boston, Mass., is now operating as follows: On 15.25 megs, week-days except Saturdays from 2 to 3:30 or 4 p.m.; on 15.13 megs, Sundays from 10 a.m. to 1 p.m.; on 11.79 megs, Mondays, Wednesdays and Fridays from 4:55 to 6:30 p.m., Tuesdays and Thursdays from 4:40 to 6:30 p.m., Saturdays from 1:45 to 6 p.m., and Sundays from 3 to 6:30 p.m.; on 11.73 megs, week-days except Saturdays from 9:15 to 11:30 p.m., and on 6.04 megs, daily except Saturdays from 7 to 8:30 or 9 p.m. EST.



Charles Laughton, famous for his portrayal of Captain Bligh in "Mutiny on the Bounty," played the part of a busker (street musician) in a recent program from Daventry. He's seen fourth from the left.

Monday, December 5

8:30 a.m.—Program from Hong Kong: ZBW3
8:30 a.m.—Sister program: HSPIII (15.23)
11:30 a.m.—Thirty minutes of violins, melody and swing: GSF, GSG, GSJ
12 p.m. (ex. Thurs.)—Program from Vatican City: HV2 (6.03 or 6.19)
12 p.m.—News in French, German and Italian: GSE, GSA
1:30 p.m. (ex. Sat.)—World news: WIXAL (15.25)
3:30 p.m.—BBC Orchestra: GSG, GSP
5:45 p.m.—French mail-bag: W3XL (17.68)
7:45 p.m.—Broadcast from St. Kitts: XIZ
7:45 p.m.—English transduces: RNE (12)
7:45 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)
7:45 p.m.—Science news: WIXAL (11.79)
7:45 p.m.—Monitor news: WIXAL (11.79)
5:45 p.m.—Portuguese mail-bag: W3XL (17.68)
6:15 p.m.—Musical variety hour: DJB, DJD, DJX
6:30 p.m.—English program from Martinique: Radio Martinique (9.7)
6:45 p.m.—Sports review: W2XAF (19.53)
7:15 p.m.—"Today in Germany": DJB, DJD
7:45 p.m.—North American program: OLRAA
8 p.m.—Michael Flane's band: GSF, GSD, GSL
8:30 p.m.—ZBQ's mail-bag: ZBQ3, IRF, IQY
8:45 p.m.—Nelly Maga and Silvietta Flores: VVSRC
9:15 p.m.—Program for Latin America: WIXAL (11.73)
9:30 p.m. (ex. Sat.)—Amateur hour: VVSRC
9:45 p.m. (ex. Sat.)—English news: OLRAA
10:30 p.m.—Guatemalan program: TGWA
10:30 p.m.—Central European Review of Affairs: OLRAA

Tuesday, December 6

8:15 a.m.—"As I See It," David Low: GSF, GSG
9:30 a.m.—Rugby: Oxford vs. Cambridge: GSF
10:30 a.m.—English program: HVJ (15.12)
2 p.m.—International educational program: W2XAD (15.33)
2:20 p.m.—Al Collins' orchestra: GSG, GSP
3 p.m.—"Scrapbook for 1937": GSG, GSP
5 p.m.—Happy Family: DJB, DJD
5:30 p.m.—Goodwill broadcast to Scandinavia: WIXAL (11.79)
6 p.m.—Operetta, "The Merry Widow" (Part 1): DJB, DJD
6:35 p.m.—Play, "The Godsend": GSF, GSD, GSL
8 p.m.—Recital by Peleshoff: GSF, GSD, GSL
9:15 p.m.—Operetta, "The Merry Widow" (Part II): DJB, DJD, DJZ

Wednesday, December 7

8 a.m.—Light Music from Sweden: GSF, GSG
11:40 a.m.—"World Affairs," J. L. Brierly: GSF
3:15 p.m.—BBC Symphony Concert: Sir Henry Wood Jubilee Year Concert: GSG, GSP
5:15 p.m.—Songs and dances: DJB, DJD
6:20 p.m.—Cards on the Table: GSF, GSD, GSL
7 p.m.—North American hour from St. Kitts: XIZ
7:45 p.m.—Program from Sweden for North America: SRP
10:30 p.m.—"SWL Chatterbox": W3XWJ (41)
10:50 p.m.—Topical Gazette: GSF, GSD, GSL

Thursday, December 8

10 a.m.—Musical melodrama, "The Amateur Highwayman": GSF, GSG, GSJ
2 p.m.—Geraldo's orchestra: GSG, GSP
3:20 p.m.—Sylvia Cates, pianist: GSG, GSP
5 p.m.—Selections from operettas: DJB, DJD
5:35 p.m.—Talk, "Food for Thought": GSF, GSC
7:15 p.m.—Chamber music series: GSF, GSD, GSI
8:30 p.m.—Little German ABC: DJB, DJD, DJZ
9:35 p.m.—BBC Empire orchestra: GSF, GSD, GSL
9:45 p.m.—Special Broadcast for Illinois: DJB
10:50 p.m.—"It the Black Dog": GSF, GSD, GSL
12:15 a.m.—Voice of Hawaii: KHQ (14.92)
2 a.m.—Special DX broadcast from Costa Rica: T12XD (11.928)

Friday, December 9

10:45 a.m.—Lieder recital: GSF, GSG, GSJ
12:40 p.m.—Medredoff's balabika orchestra: GSF
3:30 p.m.—New London Trio: GSG, GSP
5 p.m.—News: LRA (18.115-9.69)
6:20 p.m.—Music in everyday life: GSF, GSD, GSL
7:45 p.m.—Journey of exploration with microscope, telescope and X-ray: DJB, DJD, DJZ
8 p.m.—Esso hour: COCH
8:15 p.m.—Amy Bernardy: ZRQ, IRF, IQY
8:30 p.m.—Schmidt Family: DJB, DJD, DJZ
10:05 p.m.—Sarah Fischer, soprano: GSF, GSD
10:45 p.m.—Pan-American Conference broadcast from Lima, Peru: W2XE (9.65)
2 a.m.—Special DX broadcast from Costa Rica: T12XD (11.928)

Saturday, December 10

8 a.m.—Alfred Van Dam's orchestra: GSF, GSG
10 a.m.—Harry Farmer, organist: GSF, GSG, GSJ
10:30 a.m.—Mantovani's orchestra: GSF, GSG
12:30 p.m.—Jack Jackson's band: GSG, GSJ
1:30 p.m.—Good news: GSF, GSJ
2:30 p.m.—In Town Tonight: GSG, GSP
3 p.m.—Sing-Song: GSG, GSP
6 p.m.—Will Stanke's string orchestra: DJB, DJD
7:30 p.m.—Dance music: DJB, DJD, DJZ
8 p.m.—Jack Jackson's band: GSF, GSD, GSL
8:30 p.m.—"Hour of Costa Rica": TIPG (6.41)
8:15 p.m.—Jose Belancourt, singer: VVSRC
9 p.m.—Dance music: VVSRC
9:15 p.m.—Variety show: DJB, DJD, DJZ
10 p.m.—Opera: OAX4J
12 mid.—Voice of Hawaii: native soloists and instrumentalists: KQH (14.92)

Log of Short-Wave Stations
Whose Programs Are Listed

Megacycles as thousands of megacycles shown.

COCH, Cuba	8.45	JZ2, Japan	11.86
COOG, " "	8.735	OLR2A, Czechoslovakia	9.40
CSCG, Portugal	11.885	OLR4A, " "	11.81
DJB, Germany	11.82	OLR4B, " "	11.76
DJC, " "	8.01	OLR5A, " "	13.23
DJD, " "	11.77	OLR5B, " "	13.22
DJL, " "	11.11	OZT, Denmark	9.62
DJO, " "	11.795	PCT, Holland	9.89
DJP, " "	11.845	PHT, " "	11.75
DZJ, " "	11.88	RAN, U.S.S.R.	9.48
EAIIS, Cassius	2.30	RRI, " "	13.88
EAS, Spain	9.655	RSE, " "	12.80
EAR, " "	9.49	RTS, " "	8.00
EAAP, Spanish Havana	8.95	RSP, Sweden	11.765
EAAT, England	14.05	RPT, Poland	11.45
EBI, England	6.08	SPW, " "	13.84
ESB, " "	9.51	SPYR, " "	11.12
GSC, " "	9.58	SPZS, " "	11.74
GSD, " "	11.75	TPIJ, Iceland	11.23
GNI, " "	11.88	TGWA, Guatemala	9.025
GST, " "	15.14	TINR, Costa Rica	9.025
GSO, " "	17.72	Tos, " "	9.028
GSH, " "	21.47	TPAS, France	10.34
GSI, " "	18.38	TPAS, " "	11.78
GSI, " "	21.08	TPAS, " "	11.71
GSL, " "	6.11	TPBT, " "	11.885
GSO, " "	15.18	VXME, Australia	9.38
GZP, " "	13.31	VLR, " "	9.46
HASZ, Hungary	15.37	VUDE, India	9.49
HAT, " "	9.12	WUDS, " "	10.34
HBI, Switzerland	14.135	WIXAL, Boston, Mass.	8.34
HBL, " "	8.34	WZB, 11.73, 11.84	
HBO, " "	11.605	XEUZ, Mexico, D.F.	8.12
HBP, " "	7.58	YSD, El Salvador	7.294
HBRPS, Haiti	5.955	YVRC, Venezuela	8.27
HFTAD, Colombia	9.63	ZHWI, China	9.422
HPSA, Panama	11.2	ZIKA, British	
HPLI, " "	9.66	Honduras	10.6
HSDP, Spain	15.23	ZIZ, St. Kitts	8.385
HSDP, " "	9.51	ZIZ, St. Lucia	9.61
IGY, Italy	11.675	ZMI, St. Eustatius	6.01
IRF, Italy	9.42	ZROS, Italy	9.428
IDY, Kwantung	8.925	ZTOS, " "	11.81

Short-wave programs of American stations are shown along with the regular listings beginning on page 20. These are indicated, for example, by row 11 (11) to parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., JZ2; 4:50, GSD, GSE, GSF, GSO, GSP; 7:45, JDT; 8:30, GSE, GSF, GSO, GSP; 10:45 a.m., GSD; 1 p.m., GSA, GSD, GSE, GSO; 3:10, EPAS; 4:15, GSA, GSB, GSC, GSD; 4:30, GERA, or OLIEB; 4:45, EA9AH; 6, HPSA; 7, EA9AH, HP5J, RAN, RRI, 7:30, ZBOS, IRF, IQV, EAQ; 7:40, GSD, GSC, GSO, GSP; 8, EA4B; 8:05, JZ2; 8:15, HBR, HDP, HZJ; 8:45, EAQ; 9:45, CIRIO, CIRN; 10:30, HBR, DJD, DJK, GSD, GSC, GSD, GSP; 11, TP4A, TP87.

Daily except Sundays—7:30 a.m., VLT; Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., ORLAA, ORLSA.

Sunday, December 18

+3 a.m.—English program: RV96 (15.175)
+7 a.m.—Overseas hour: JZJ
+8 a.m.—Variety program: DJH
+8 a.m.—International church: CDUQ
10:45 a.m.—League of Nations broadcast: HBI
11 a.m.—Church services: WIXAL (15.13)
+12:45 p.m.—Rio de Ouro Marinho Band: TGWA (15.17)
+1:30 p.m.—Italian news: W3XL (17.78)
+1:30 p.m.—Broadcast from Belo Horizonte: DRK (10.33)
+2 p.m.—German news: W3XI (17.78)
+2:30 p.m.—Experimental broadcast from Trier: TAP (9.465)
2:45 p.m.—Boys' Choir from Einsiedeln, Switzerland: HBI, W3XL (17.78)
+3 p.m.—French news: W3XL (17.78)
4:20 p.m.—War news in English: EA9AH
+5:15 & 7:30 p.m.—Portuguese news: W3XL (17.78)
+6 p.m.—Program from Guadeloupe: FG8AA (7.05)
+6 p.m.—Polish program: SPW, SPB, SP19, SP25
+6 & 8 p.m.—Spanish news: W3NL (17.78)
+6 p.m.—Program from Portugal: CSW7
+6:15 p.m. (ex. Sat.)—Morning Express: PCJ (15.22)
+6:45 p.m.—Spanish news: W2XI (9.65)
7 p.m.—Pan American Conference news: W3XI (17.78)
+7 p.m.—Program from Budapest: HAT4
+7 p.m.—Soviet program: RAN, RRI
+7:30 p.m.—English news: 2R03, IRF, IQV
7:45 p.m.—Opera, "Pagliacci": 2R03, IRF, IQV
+8 p.m.—Overseas hour: JZJ
+8 a.m.—Nationalist program: EA1A3
+8:15 a.m.—English news: IRB, DJB, DJZ
+8:30 p.m.—Program from India: YUO3 (15.16)
+8:30 p.m.—Jamaica on the Air: HBR2S (15.955)
+8:30 p.m.—Spanish news: GSB, GSO
+8:45 p.m.—Portuguese news: GSD, GSO
+9:30 p.m.—North American broadcast: TPBT
+9:30 p.m.—Danish program: OZI
+10 p.m. (ex. Mon.)—Friendship hour: IRUJBS (14.43), IRUJB (12.46)
+10:30 p.m.—Bolivariana Solid Center hour: IRUJABD
+10:35 p.m.—English news: YNRF (15.76)
11 p.m.—English news: TP27, TP34
+11:45 p.m. (ex. Sat.)—Program from South Africa: ZBS
+12 mid.—Program from Melbourne, Australia: VLN3 (11.85)
+12:30 a.m.—Overseas hour: JZJ

Key to Symbols Used: *Daily; ?Week Days;
Monday, Wednesday, Friday; \$Monday, Thursday;
RRMonday, Friday; +Tuesday, Friday;
++Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

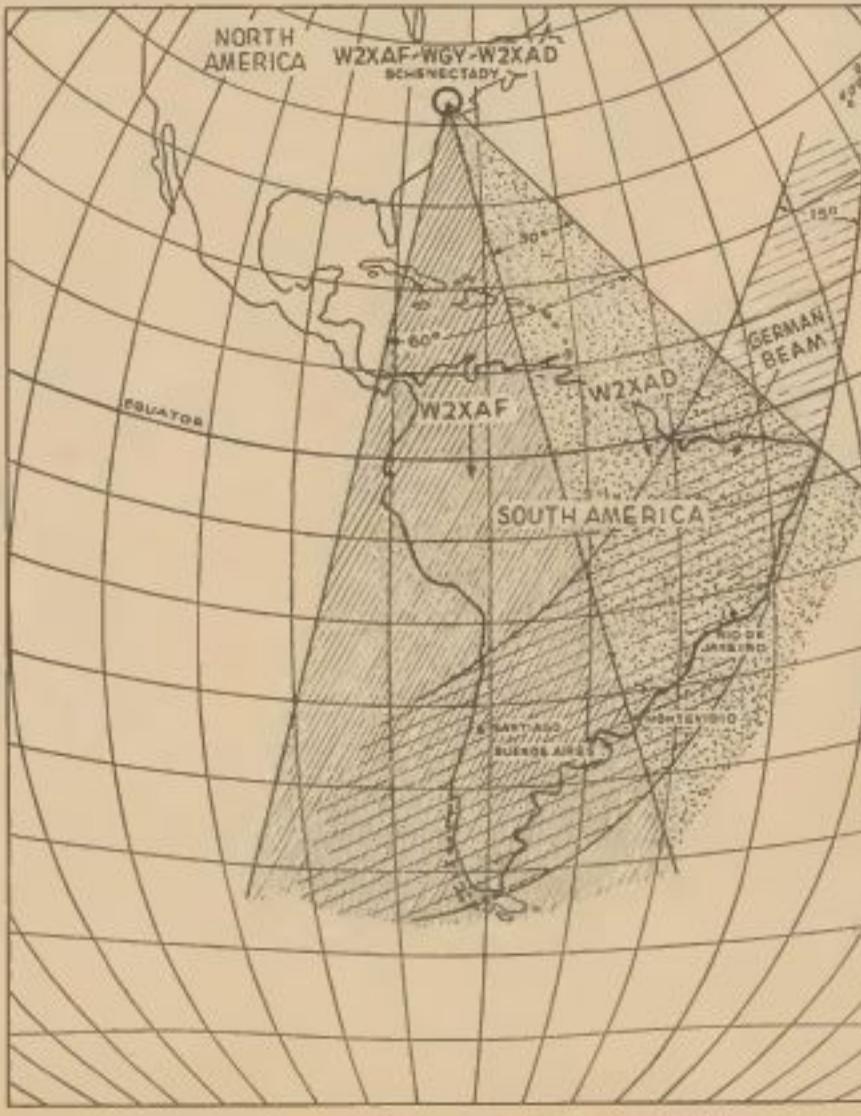
Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

FOR several years listeners in South America, particularly those in Brazil and Argentina, depended almost solely upon short-wave broadcasts from Germany for their daily news and musical fare. These broadcasts over Germany's powerful short-wave transmitters, radiated simultaneously on several different wave-lengths, are on the air daily from 6 to 7:30 a.m. EST, and from 4:50 to 10:50 p.m. EST. Beamed directly on the great Latin centers of population, namely Buenos Aires and Rio de Janeiro, with announcements in Spanish and Portuguese, cleverly designed programs for the Latin temperament and intellect, filled to the brim with neatly disguised but none the less dangerous Nazi propaganda, these German transmissions had already done considerable damage to the pan-American ideals of democracy and trade before our great radio moguls in the United States awoke from their sleep of indifference and began a feverish campaign to offset this un-American influence. With powerful new transmitting facilities, more effective aerials, announcements in Spanish and Portuguese, and excellent programs designed especially for Latin America, our broadcasts are rapidly gaining in favor south of the Panama Canal and, according to reports, more listeners daily are turning to the American stations for their entertainment and enlighten-

ment via radio. At Schenectady, N.Y., a skilled staff of General Electric engineers, working day and night, are putting the finishing touches on one of the world's most powerful short-wave transmitters. The new "Voice of Electricity," speaking to the tune of 100,000 watts, coupled with new beam-aerials, will, it is hoped, provide such satisfactory reception in South America that our Latin brothers will keep their dials tuned to the United States rather than to war-scarred, propaganda-filled Europe.

NBC and CBS are installing new short-wave antennas that will swing radio beams over South America like rays of powerful searchlights. These new antennas are the latest technical development in an effort to place the United States in the forefront of the intense international competition for radio supremacy in the western world. These antennas will enable NBC and CBS to extend their services to Latin America without diminishing the service to Europe.

John Larsen of General, N.Y., notes the following shifts in frequency: COCD, Havana, Cuba, to 6.135; COBC, Havana, Cuba, to 9.98; HIZ, Trujillo City, D. R. to 6.215; HRPI, San Pedro Sula, Honduras, to 6.36; HCIGQ, Quito, Ecuador, to 9.18; HC2CW, Guayaquil, Ecuador, to 9.13, and HP5J, Panama City, Panama, to the frequency of 9.61 megs.



The South American beams of short-wave stations W2XAAD (covering Brazil) and W2XAFA (covering the western portion of South America) are being used to counteract German propaganda beamed on Latin countries.

Monday, December 19

8:00 a.m.—Program from Hong Kong: ZBMS
8:30 a.m.—Master program: HF-SP2
11:20 noon—Mail bag: W3XA (26.45)
12 p.m.—Tex. Thurs. —Program from Vatican City: WIVJ, 15.03 or 6.175
12 p.m.—News in French, German and Italian: GNE, GSV
13 p.m. (ex. Sat.)—News: WINAL (15.25)
3:15 p.m.—Pageant of Christmas: Unto Us a Child Is Born: GSF, GPF
8:30:45 p.m.—French mailing: W3NL (17.28)
9:45 a.m.—Broadcast from Tokyo: ZIZ
9:45 p.m.—English transmission: RNE (12)
10 p.m.—(ex. Sat.)—Portuguese news: W2XE (11.83)
9:45 p.m.—Brazilian news: WINAL (11.79)
10 a.m.—Mail bag: W3XA (26.45)
9:50 a.m.—Master news: WINAL (11.79)
12 p.m.—BBC Empire Symphony Concert: GSC (9.53)
12:45 p.m.—Sports review: W2XAF (9.53)
6:50 p.m.—Variety program: HML, HBP
7:15 a.m.—Today in Germany: DMB, DJB, DJZ
7:45 p.m.—Folk songs: 2R03, IRF, IQV
7:55 p.m. (ex. Sat.)—North American program: HLR, RIA
8:30 p.m.—ZBOS—mail bag: 2R03, IRF, IQV
9:15 p.m.—Program for Latin America: WIXAL (11.73)
9:30 p.m.—Program Dedicated to the Western States: DJB, DJD, DJZ
10:50 p.m. (ex. Sat.)—English news: OLR4A
10:30 p.m.—Central European Review of Affairs: OLR4A
11:05 p.m.—Pan American Conference news: W3XA (19.67)

Tuesday, December 20

10:15 a.m.—Variety show: GSF, GSG, GSO
1:30 p.m.—International Short Wave Orchestra: W2XAII (15.33)
2:15 p.m.—Master's orchestra: GNG, GSP
4:35 p.m.—BBC Empire Orchestra: GSD, GSC, GSO
5:30 p.m.—Good Will broadcast to Scandinavia: WIXAL (11.79)
6:20 p.m.—"Topics of the Day," Gerald Barry: GSC, GSD, GSL
6:45 p.m.—Pan American Conference at Lima: Peru: W2XE (9.65)
8 p.m.—NNIK on the Air: W2XJI (26.3)
8:15 p.m.—Tuesday Symphony: 2R03, IRF, IQV
8:45 p.m.—We decorate the Christmas tree: HML
10:50 p.m.—Hans, "The Snowman": GSC, GSD
11:11 p.m.—Takub on the Air: FOBAN (17.1)

Wednesday, December 21

8:15 a.m.—Opera Season: PHH
11:40 a.m.—"World Affairs": GSF, GSG
12:20 p.m.—Henry Hall's orchestra: GSG
2 p.m.—Louis Levy's orchestra: G-G, GSP
5:05 p.m.—Harp recital: GSB, GNC, GSD
6:20 p.m.—Play, "Ladear": DJB, DJD, DJZ
7 p.m.—North American hour: ZIZ
7:15 p.m.—Carols and Christmas Songs: GSC, GSD, GSL
8:45 p.m.—North American program: SBI
9:35 p.m.—Tunes to Remember: GSC, GSD, GSL
10:30 p.m.—"SWL Chatterbox": W2XXWJ (41)

Thursday, December 22

10 a.m.—Play, "Tomboy Under the Moon": GSF
12:35 p.m.—Richard Cromie's orchestra: GSG
2:30 p.m.—Radio Version of the Fred Astaire-Ginger Rogers Film: "Shall We Dance": GSC
5:30 p.m.—Talk, "The Present Position of International Polar Exploration": DJB, DJD, DJZ
6:30 p.m.—Pan American Conference news: W3XL
7:45 p.m.—Opera selection: 2R03, IRF, IQV
8 p.m.—Belle Thirlaway's band: GSC, GSD, GSL
8:30 p.m.—Cincinnati Philharmonic: W2XAII (9.53)
10:50 p.m.—At the Black Dog: GSC, GSD, GSL
12:15 a.m.—Voice of Hawaii: KQH (14.92), KKH (7.52)

Friday, December 23

9 a.m.—Frederick Newham, harpist: GSF, GSG
2 p.m.—Comedy duet: "Ring Off": GSG, GSP
4:15 p.m.—International educational program: W2XAII (9.53); W2XAII (15.33)
4:45 p.m.—Christmas Picture Book: GSB, GSC
5 p.m.—Christmas with Dickens: DJB, DJD, DJZ
5 p.m.—News: LTA (18.115, S.65)
7:05 p.m.—Harold Sandler's Orient: GSC, GSD, GSI
7:30 p.m.—Christmas songs and poems: DJB, DJD
7:45 p.m.—Guest night: 2R03, IRF, IQV
8 p.m.—Esox hour: COCH
8:30 p.m.—Christmas with Family Schmidt: DJB
10:50 p.m.—BBC News: GSF, GSD, GSL
11:05 p.m.—Pan American Conference news: W3XAII (9.67)

Saturday, December 24

8:15 a.m.—Story, "Christmas at Home": PHH
10:30 a.m.—Festival of Nine Lessons and Carols in King's College Chapel, Cambridge: GSE
2:30 p.m.—In Town Tonight: GSG, GSP
3 p.m.—Merry Christmas Sing-Song: G-G, GSP
3 p.m.—Play, "The Birth": DJB, DJD, DJZ
6:20 p.m.—"London Yule Log": GSC, GSD, GSI
7:45 p.m.—Happy Family Celebrates Christmas together with children overseas: DJB, DJM
8 p.m.—Hour of Costa Rica: TPIG (16.41)
8:15 p.m.—Italian Christmas Art and Music: 2R03, IRF, IQV
8:30 p.m.—Christmas melodies: DJB, DJD, DJZ
9:15 p.m.—Songs for Christmas Eve by the Mozart Choir: DJB, DJD, DJZ
12 mid.—Voice of Hawaii: native vocalists and instrumentalists: KQH (14.92), KKH (7.52)

Log of Short-Wave Stations
Whose Programs Are Listed
(Megacycles or thousands of kilocycles shown)

COCHE, Cuba	9.43	JDT, Eswatini	9.925
COCC	9.725	JZJ, Japan	11.80
COGQ	11.800	OLMJA, Costa Rica	9.55
CSEW	11.725	Slovakia	11.84
DJB, Germany	11.80	OLR4A	11.76
DJC	11.82	OLR4B	11.76
DJD	11.77	OZF, Denmark	9.82
DJL	11.81	PCJ, Holland	9.86
DIZ	11.88	PJE	11.75
EAJ43, Canaries	7.50	RAN, U.S.S.R.	9.60
EAO, Spain	9.855	RKI	11.08
EAR	9.49	RNE	12.00
EARAH, Spanish Morocco	14.05	SBP, Sweden	11.705
OSA, England	8.65	SFD, Poland	11.83
GSD	9.41	SPB	11.12
GSC	9.58	SPZ	11.74
GSD	11.76	TZJ, Iceland	12.25
GSE	11.84	TGWA, Guatemala	9.685
GSP	11.74	TEINER, Costa Rica	9.995
GSC	11.79	Rica	9.995
GSH	11.47	TPA4, France	11.71
GSI	11.36	TPA5	11.88
GSI	11.34	TPA7	11.855
GSO	11.18	VRLME, Australia	9.59
GSP	11.31	VLR	9.58
HASZ, Hungary	11.27	VUD2, India	8.59
HAT4	9.12	VUD3	11.18
HIZ, Switzerland	14.855	WIXAL, Boston, Mass.	
HDL	9.34	YSD, Mexico, D.F.	8.12
HBO	11.402	XEUX, Mexico, D.F.	8.12
HBP	7.80	YSD, El Salvador	8.994
HIMIS, Haiti	5.384	YVABC, Venezuela	8.97
HJTABD, Colombia	8.63	ZEWI, China	9.455
HPSA, Panama	11.7	ZIZ, St. Kitts	8.385
HPSJ	8.66	ZRK, So. Africa	9.81
HSPZ, Siam	10.13	ZMI, S. S. Kamikawa	8.01
HSPZ	8.51	ZROZ, Italy	8.835
IQY, Italy	11.518	ZROZ	11.51
IRF	9.63		

Short-wave programs of American stations are shown along with the regular listings beginning on page 20. These are indicated, for example, by (ex. Sat.) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m.: JZJ; 4:50, GSD, GSE, GSP, GSC, GSI; 7:45, JDT; 8:30, GSE, GSF, GSG, GSH, GSI; 8:55, JZJ; 11, GSD, GSE, GSF, GSC, GSI; 1 p.m., USA, GSD, GSE, GSI; 4:10, TPA3; 4:15, USA, GSE, GSF, GSD, GSI; 4:30, OLH4A or OLH4B; 4:45, EA9AH; 6, HPSA; 7, EA9AH, HPSA, RAX, RRI; 7:30, ZR03, IRF, IQY, EAQ; 7:45, GSD, GSE, GSC, GSI; 8, EAJ43; 8:05, JZJ; 8:15, DJB, DJD, DJZ; 8:45, EAQ; 9:45, CJRO, CJRX; 10:30, DJB, DJD, DJZ, GSD, GSC, GSD, GSI; 11, TPA4, TPA7.

Daily except Sundays—7:30 a.m., VLR.
Mon., Tues., Wed., Thurs., Fri.—9:30 p.m., OLH4A, OLH5A.

Sunday, December 25

*7 a.m.—Overseas hour: JZJ
*8 a.m.—Variety program: DJL
*8 a.m.—International church: COCQ
8:15 a.m.—Christmas party: PHH
9 a.m.—Christmas songs and carols: GSC GSE
10:45 a.m.—League of Nations broadcast: HRI
11:15 a.m.—Transatlantic Game: Great Britain vs. U. S. A.: GSC GSE
12:40 p.m.—How Christmas is spent in Sweden, Germany, Greece, Italy, France and Great Britain: GSC GSI
1 p.m.—Sistine Chapel Choir Concert: HJY (15.12)
*1:30 p.m.—Italian news: W3XL (17.78)
*1:30 a.m.—Broadcast from Belgium: OHK (10.33)
*2 p.m.—German news: W3XL (17.78)
*2:30 p.m.—Experimental broadcasts from Turkey: TAP (9.465)
*3 p.m.—French news: W3XL (17.78)
4:10 p.m.—Walt Disney's "Snow White and the Seven Dwarfs": GSC GSE GSD
*5 (& 7) p.m.—Portuguese news: W3XL (17.78)
*6 p.m.—Program from Guadeloupe: FG8AA (7.05)
*6 p.m.—Polish program: SPW SPD SP19 SP25
*6 (& 8) p.m.—Spanish news: W3XL (17.78)
*6 p.m.—Portugal program: CSM?
*6:15 p.m. (ex. Sat.)—"Morning Express": PCJ (15.22)
*6:45 p.m.—Spanish news: W2XE (9.65)
*7 p.m.—Program from Budapest: HA14
*7 p.m.—Soviet program: RAN RKI
*7:30 p.m.—English news: ZR03 IRF IQY
*8 p.m.—Overseas hour: JZJ
*8 p.m.—Nationalist program: EAJ43
*8:15 p.m.—English news: DJB DJD DJZ
*8:30 p.m.—Program from India: VUD3 (15.16)
*8:30 p.m.—Jamaica on the Air: RR2S (5.955)
*8:30 p.m.—Spanish news: GSC GSO
*8:45 p.m.—Portuguese news: GSC GSO
9:20 p.m.—Christmas Day Service: GSC GSD GSI
*9:30 p.m.—North American Broadcast: TPB7
*9:30 p.m.—Icelandic program: OZF
*9:45 p.m.—Christmas Concert: DJB DJD DJZ
*10 p.m. (ex. Mon.)—Friendship hour: HC1JB (14.43) HC1B (12.46)
*10:30 p.m.—Barcaranza Milk Coffee Hour: IJ7ABD
*10:55 p.m.—News in English from Nicaragua: YNRF (6.76)
*11 p.m.—English news: TPBT TPA4
*11:45 p.m. (ex. Sat.)—Program from South Africa: ZRK
*12:30 a.m.—Overseas hour: JZJ

Key to Symbols Used: *Daily; ?Week Days;
\$Monday, Wednesday, Friday; \$Monday, Thursday;
\$Monday, Friday; ?Tuesday, Friday;
\$Wednesday, Saturday.

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

ON CHRISTMAS DAY, December 25, at 4:10 p.m. EST, listeners to Daventry, England stations GSB, GSC and GSD, will hear a radio version of the first full-length animated film, "Snow White and the Seven Dwarfs," thus having the opportunity of enjoying this famous fairy-tale a whole day ahead of its airing over the Lux Radio Theater, Monday, December 26. On Friday, December 30, at 7:15 p.m. EST, Daventry stations GSC, GSD and GSI will broadcast a variety of fine symphonic, operatic and light musical offerings, dramatic and variety shows, international sporting events, current accounts of on-the-spot happenings and world-news periods in English from practically any corner of the world that their fancy might dictate.

The new station on 11.85 megs, reported by Captain R. B. Oxrieder of Cornwall, Count Zinz, has been identified as OAX2A, "Radio Rauch Grande," owned by Rafael Lerco H. Hoyle, of Hacienda Chichin, Trujillo, Peru. The power of the station is announced as 250 watts.

SHORT-WAVE SHORTS: COCQ, Havana, Cuba, one of radio's worst jumping-beans, is now being reported on a frequency of 8.84 megs... FG8AA (7.05), Boite Postale 125, Pointe a Pitre, Guadeloupe, will soon receive a substantial boost in power, a new frequency and will assume the slogan "Radio Guadeloupe." At present the station is operating nightly from 6 to 7 p.m. EST... M. W. Soplop of Alleghany, N. Y., reports he is hearing RV15, Khabarovsk, U. S. S. R., until 7:30 a.m. EST, on its old frequency of 4.273 megs. Numerous listeners have been hearing RV15 on a new frequency of 6.045 megs. It now seems as though this may be an additional transmitter instead of the old one moved to the new frequency... Amateur ZA1CC (14.1), supposedly in Albania, is being heard near 12 mid. EST. Many listeners believe this is an unlicensed Italian station using the ZA call to escape detection, since no one has received a QSL card from him, or knows his (Continued on Next Page)



A radio version of "Snow White and the Seven Dwarfs," featuring Wynne Ajello (right), John Watt, Doris Arnold and C. Denier Warren, will be heard Christmas Day over stations GSC, GSC and GSD at 4:10 p.m. EST

Monday, December 26

8:30 a.m.—Program from Hong Kong: ZBW3
8:30 a.m.—Siamese program: HS6IJ (15.23)
8:15 a.m.—Christmas Edition of the Heiter Almanak: PHH
11:20 a.m.—Mail bag: W9XA (26.45)
12 p.m. (ex. Thurs.)—Program from Vatican City: HJY (6.03 or 6.19)
12 p.m.—News in French, German and Italian: GSC GSA
13 a.m. (ex. Sat.)—News: WIXAL (15.25)
8:30-45 p.m.—French mail bag: W3XL (17.78)
14 p.m.—Broadcast from St. Kitts: ZIZ
14 p.m.—English program: RNE (12)
14 p.m. (ex. Sat.)—News in Portuguese: W2XE (11.83)
14:55 p.m.—Scientific news: WIXAL (11.79)
15 p.m.—Mail bag: W9XA (26.45)
15 p.m.—Monitor news: WIXAL (11.79)
6:20 p.m.—International Ice Hockey: GSC GSD
6:30 p.m.—English program: Radio Martinique (19.7)
6:45 p.m.—Sports review: W2XAF (9.53)
7:15 p.m.—Today in Germany: DJB DJD DJZ
7:45 p.m.—Ballets and Professional Women's Club program: ZR03 IRF IQY
7:55 p.m. (ex. Sat.)—North American program: OLA4A
8:30 p.m.—ZR03's mail bag: ZR03 IRF IQY
8:45 p.m.—Program for Latin America: WIXAL (11.73)
19:30 p.m. (ex. Sat.)—English news: OLA4A
10:15 p.m.—Circus Study Club: DJB DJD DJZ

Tuesday, December 27

7:15 a.m.—The Year's Poetry: GSC GSD GSJ
10:15 a.m.—Variety, "Steamboat"; GSC GSE
3 p.m.—Oscillometrical guide: GSC GSP
6:15 a.m.—Opera, "Tannhauser"; DJB DJD DJZ
6:20 p.m.—Topics of the Day: A. G. MacDonell; GSC GSD GSE
8 p.m.—Choral recital: GSC GSD GSI
8:15 p.m.—Tuesday symphonies: ZR03 IRF IQY
8:30 p.m.—North American broadcast: HII6 (11.95)
10:05 p.m.—C. H. Trevor, organist: GSC GSD
11:11 p.m.—Tahiti on the Air: FG8AA (7.1)

Wednesday, December 28

8:15 a.m.—PHOENIX Club: PHH
11:40 a.m.—"World Affairs," H. Wickham Steed: GSC GSI
1:40 p.m.—Sandy Macpherson, organist: GSC GSI
6:20 p.m.—Cards on the Table: GSC GSD GSI
7 p.m.—North American hour: ZIZ
7:45 p.m.—Orchestra and Accordion Quartet: ZR03 IRF IQY
8:45 p.m.—North American program: SPB
8:30 p.m.—Percy Orchestra: ZR03 IRF IQY
9:15 p.m.—Variety evening: DJB DJD DJZ
10:30 p.m.—SWL Chatterbox: W8XWJ (41)

Thursday, December 29

10 a.m.—Play, "Mr. Bowers Goes High Hat": GSC GSD GSI
3:10 p.m.—Wales: GSC GSP
5:30 p.m.—Sleep, My Sweet Child: DJB DJD DJZ
6:20 p.m.—String quartet: GSC GSD GSI
7:45 p.m.—EIAR Symphony Orchestra: ZR03 IRF IQY
8 p.m.—Reginald King's orchestra: GSC GSD GSI
8:30 p.m.—Rochester Philharmonic: W2XAD (9.55)
8:45 p.m.—Wonders of the Sea: DJB DJD DJZ
12:15 a.m.—Voice of Hawaii: KQH (14.92) KRII (7.52)

Friday, December 30

9:45 a.m.—Talk by Director of Overseas Services: GSC GSD GSI
2 p.m.—BBC Symphony Concert: GSC GSP
4:30 p.m.—Play, "Tomboy Under the Moon": GSC GSD GSI
5 p.m.—News: LHA (18.115-9.69)
6 p.m.—Special Opera Concert: DJB DJD DJZ
7:15 p.m.—Description of Chelsea Arts Ball: GSC
7:45 p.m.—Guest night: ZR03 IRF IQY
8 p.m.—Pathways to Peace: WIXAL (6.04)
8:15 p.m.—Amy Bernardy: ZR03 IRF IQY
9:20 p.m.—Kentucky Minstrels: GSC GSD GSI
9:30 p.m.—German poems and ballads: DJB DJD
10:50 p.m.—Eric Shrimpton: GSC GSD GSI
11 p.m.—English hour: XEXA (6.174)

Saturday, December 31

9 a.m.—New Year's celebrations from Australia: VLR
2:30 p.m.—In Town Tonight: GSC GSP
3 p.m.—Music hall: GSC GSP
5 p.m.—New Year's celebrations from Turkey: TAP (9.465)
5:30 p.m.—Farewell to the old year: DJB DJD DJZ
6 p.m.—New Year's celebrations from Germany, Italy, Hungary and Denmark: DJB DJD DJZ ZR03 IRF IQY (14.14 OZF)
7 p.m.—New Year's celebrations from England, France and Portugal: GSC GSD GSI TPB6 (15.13) TPA4 CSW7
7:15 p.m.—Accordion: GSC GSD GSI
8 p.m.—New Year's celebrations in the Canary Islands: EAJ43
10 p.m.—New Year's celebrations from Buenos Aires: LSX LTX LIA
12 mid.—New Year's celebrations from Colombia, Venezuela and Cuba: Short-wave stations of Colombia, Venezuela and Cuba
1 a.m.—New Year's celebrations from Mexico, Panama, Guatemala: XEWXW (9.5) HPSG (11.78) HJSA (11.7) HJSJ (9.59) TGWA (9.685) TGWB (6.5)

ON SHORT WAVES

(Continued from Preceding Page)

location . . . According to A. Tuff of London, England, 2RO5 (15.3), Rome, Italy, is operating daily from 11:15 a.m. to 12:15 p.m., and from 3 to 5:30 p.m. EST . . . An announcement heard over HVJ, "Radio Vaticano," Vatican City, Italy, on Sunday, December 11, at 1 p.m. EST, stated the station was operating on dual frequencies of 15.12 and 11.74 megs, and requested reports on the comparative signal strengths of the two channels. The announcer further stated that considerable interference was being reported on their transmissions. Almost immediately following this announcement, that familiar heterodyning - type of interference known in radio as "birdies" became evident on the 15.12 megs frequency. Apparently this was a malicious attempt by an unknown power to blot out the Sunday broadcast from the Papal State.

The government short-wave station at Lahti, Finland, has been assigned the following additional frequencies and calls: OII (21.55), OIH (17.8) and OIE (15.19).

Roger Legge of Binghamton, N. Y., the first United States listener to report RR6 (11.98) of Vitoria, Spain, reports he received a prompt reply in the form of a small red-and-white QSL card, which stated that this 450-watt transmitter is on the air daily from 4 to 4:30, 8 to 10 a.m., 1 to 1:50 and 4 to 7 p.m. EST, and on Tuesdays and Fridays from 8:30 to 10 p.m. EST, with a special transmission in Spanish and English for America. Reports are cordially invited and should be sent to RR6, "Radio Requie," Postas 19, Vitoria, Spain.

DJG (17.815), another frequency for the new 50,000-watt transmitter at Vienna, Germany, is being heard between 11:15 a.m. and 1 p.m. EST.

HOA (2.34) of Panama City, in the new tropical short-wave band, is now on the air and relaying HP5G (11.78) nightly . . . Ray Shaffar of Waterloo, Iowa, reports a short-wave station, CFBT of Calgary, Alberta, Canada, heard testing on a frequency of 6.03 megs, at 2 a.m. EST. This may be a new call for old VE9CA . . . Gail Eycr of Chicago, Ill., writes that VUD2 (0.59) of Delhi, India, is being heard these days with loud signals at about 8 a.m. EST . . . All-India Radio notifies me that attractive QSL cards will soon be in readiness for confirming reception reports.

Warren Stark of Wauwatosa, Wis., reports that SUZ (13.82) of Egypt may often be heard working GBB2 (13.595) of Rugby, England, after 3 a.m. EST.

A new United States short-wave voice, owned by the General Electric Company, is being installed on Treasure Island, site of San Francisco's World's Fair, and will be in readiness for operation with the opening of the fair in the middle of February. This station, W6XBE, will operate on two frequencies, 9.53 and 15.33 megs, which it will share with W2XAF and W2XAD of Schenectady. Because of the difference in time it will be possible for this new Pacific Coast station to operate without interference nightly from midnight to 6 a.m. EST, which will be the ideal time to provide evening programs for the Orient. The power of the transmitter will be 20,000 watts.