

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 meg. 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 (17.98), KQG (18.00), KQJ (18.02), KQR (18.04), KUN (18.06), KMM (20.78) and KSS (20.83).

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 meg.

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 meg 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 meg, 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 Shaffar 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 meg.

Roy Waire 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 meg) 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, G5ML in Kentworth, England, G6RG 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 schillings 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: Norris "Lum" Goff (left) and Chester "Abner" Louck.
- Bottom left: Elmore "Senator Frankenstein Fishface" Vincent.
- Bottom right: Lou Lubin (left) and Bert Swar.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles a/m)

CJRO, Canada	6.15	JYI, Japan	9.85
CJRL, "	11.78	JZK, "	11.80
COBC, Cuba	9.31	JEM, "	15.10
COBE, "	9.03	K10, Hawaii	11.64
COCD, "	6.13	KKJ, "	7.82
COCH, "	9.43	KKP, "	16.03
COCO, "	9.01	Klipbovel, "	
COCP, "	9.78	South Africa	9.89
COFP, "	11.905	IRU, Argentina	15.29
CSW, Portugal	9.94	LRX, "	9.64
DJB, Germany	15.29	LRX, "	10.55
DJC, "	9.09	OLR3A, Czechoslovakia	9.25
DJD, "	11.77	OLR3A, "	11.24
DJI, "	11.11	OLR3A, "	11.23
EAJ43, Capri	10.37	ORX, Belgium	10.33
EAB, Spain	9.49	PZF, Denmark	9.29
EABAN, Spanish	14.05	G. J. Hallad P. 89	15.99
EABAN, Moscow		PHI, "	17.774
FRSK, S.S. Macedonia	8.223	PRABO, Ecuador	9.02
FOAAA, Tahiti	7.11	PR78, Brazil	9.59
OSA, England	9.04	PSH, "	10.29
OSB, "	9.81	RAN, U.S.S.R.	9.60
OSC, "	9.48	RKI, "	7.64
OSD, "	11.79	RPK, "	10.00
OSF, "	10.14	RVI3, "	6.273
ORO, "	11.79	RVS9, "	6.00
ORH, "	11.97	SPD, Poland	11.1
OSI, "	10.26	SPW, "	10.64
OSJ, "	11.52	TFJ, Iceland	10.23
OBL, "	6.11	TPA4, France	15.21
ORO, "	15.18	TPA3, "	11.89
OSP, "	15.31	TPA4, "	11.71
HAS3, Hungary	15.27	YEDN, Canada	9.000
HATA, "	9.19	VK3ME, Australia	9.59
IRN3, Switzerland	15.48	VK3LR, "	9.59
KUJ, "	10.535	VK3ME, "	9.61
KHL, "	9.04	YFD, Fiji	9.54
HBO, "	11.608	WIXAL, Mexico, Mex.	
HBP, "	7.90		11.79 and 6.04
HCBRL, Ecuador	6.00	XU2Z, Mexico, D.F.	9.12
HCBZ, Haiti	9.025	XZA, "	9.179
HZIADK, Columbia	9.8	XOXX, China	9.8
HZIADP, "	9.018	YD, El Salvador	7.894
HP9A, Panama	11.7	YVRC, Venezuela	9.90
HP9J, "	9.00	ZBWA, China	9.523
HSEPP, Siam S.S.I.	10.9	ZRO3, Italy	9.020
HVJ, Vatican City	15.19	ZRO1, "	11.91
JDY, Kwazulu	9.025	ZMI, S.S. Kaimbala	6.01
JYN, Japan	10.68		

Short-wave programs of American stations are shown along with the regular listings beginning on page 97. Those 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—12:30 a.m., JZJ; 4:35, GSB, GSD, GSG, GSO; 7:30, NGOX; 7:45, JDY; 8:30, GSG, GSH, GSO; 8:35, JZJ; 11, GSD, GSF, GSG, GSH; 11:10, ZRO3; 1 p.m., GSB, GSH, GSG, GSI; 2:40, ZRO3; 3, OLR3A; 3:10, TPA3; 4, GSB, GSD, GSO; 4:45, EA9AH; 6:30, EAB, HP5A; 7, EA9AH, HP5J, RAN, BK1; 7:15, CSW; 7:30, EAJ43; 7:35, ZRO3; 7:40, GSB, GSI, GSD; 8:15, EAJ43, DJB, DJI; 10:25, GSB, GSC, GSD; 10:30, DJB, DJI; 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: GSI GSO
6 a.m.—Broadcast from Northwest River, Labrador: VOGD (14.28)
7 a.m.—Program from S. S. Kanimlat: 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 "Grote Kerk": PHI
10 a.m.—Black Dyke Mills band: GSF GSG
12 noon—Christmas in Bethlehem: GSD GSF GSG SUZ (13.82)
12:40 p.m.—St. Moritz Yodellers: GSD GSF
1:25 p.m.—Play, "Three Strangers": GSG 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: GSI 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: YVSR
6 p.m.—American hour from Poland: SPD SPW
7 a.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 BK1
7:30 p.m.—Light from home: DJB DJC DJD
7:45 p.m.—Opening Night at the Royal Opera House, Rome: ZRO3
8 p.m.—Smugglers and the King's Customs: GSC
8 p.m.—La Orquesta Cugat: YVSR
8 p.m.—Complete opera: COCH
8 p.m.—Band concert: COCO
8:30 p.m.—Songs and old customs: DJB DJC
9 p.m.—Carara's tango band: LRX
9 p.m.—El Salvadorian program: YSD
9:15 p.m.—Play, "Christmas on the Sea": DJB DJC DJD

9:35 p.m.—Cambridge Heath Salvation Army band: GSC GSD
11:45 p.m. (ex. Sat.)—Program from South Africa: K10 (9.61)
12 mid.—One hour with the Bible: COCQ
12:30 a.m.—Dance music: HP5A
12:30 p.m.—Overseas hour (Pacific Coast): JZJ
1 a.m.—English DX program: XE1 Z
3 a.m.—English programs from Siberia: RV15
Key to Symbols Used: *Daily; †Week Days; ‡Monday, Wednesday, Friday; †Monday, Thursday; ‡Tuesday, Thursday, Saturday; †Tuesday, Thursday.

Monday, December 27

45:30 a.m.—Fiji hour: VPD2
6:15 a.m.—Play, "The Lamp of Aladdin": GSI GSO
8 a.m.—Summer broadcast, HSEPP (5.51)
8 a.m.—Oriental variety: ZBW3
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 GSG
1:40 p.m.—Hyden's Maryar orchestra: GSI GSG
2 p.m.—Stars of the cabaret world: GSI GSP
2:45 p.m.—Tale of Mr. Augustus Plum and Family: GSI GSP
3 p.m.—Sport in 1937: GSI GSP
4:30 p.m.—Hockey: Gryphon vs. Tigers: GSD
4:45 p.m.—Ecclesiastical hour from Brazil: PWF5
7:45 p.m.—News: WIXAL (11.79)
7:55 p.m. (ex. Sat.)—News: W2XAF (5.53) W2XAD (15.33)
8:15 p.m.—Sports in America: W2XAF (9.53) W2XAD (15.33)
9 p.m.—Monitor news: WIXAL (11.79)
9:15 p.m.—American travel: W2XAF (9.53) W2XAD (15.33)
9:30 p.m.—BBC Empire orchestra: GSC GSD
9:45 p.m.—Ludwig Hoelscher, organ: HJB DJC
9 p.m.—Dinner music: WIXAL (6.04)
7:30 p.m.—Bach's last composition: DJB DJC
7:45 p.m.—Program of Business Women's Club: ZRO3
8 p.m.—Popular music: COGF
9 p.m.—Typical orchestra: COGF
9:15 p.m.—Program of the Pan American Union: YVSR
9:30 p.m.—Chimes, organ music, chimes: DJB
10:15 p.m.—Talk, "A Canadian's Christmas in England": GSC GSD
10:30 p.m.—Brave New World: W2XAF (15.27)
10:45 p.m.—Sandy Macpherson, organ: GSC GSD

Tuesday, December 28

7:15 a.m.—Play, "Ann and Harold": GSI GSO
8:15 a.m.—The Anti-Japanese Movement of the Chinese Communist Party: JZJ
11:45 a.m.—"World Affairs," H. L. Beverly: GSD
2:30 p.m.—Percant of popular music: GSI GSP
4:45 p.m.—International Treaties and the China Incident: JZJ JZJ
4:50 p.m.—St. Moritz Yodellers: GSI 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.—Geber Hernandez' orchestra: YVSR
7:30 p.m.—Splendors of Literature: WIXAL (6.04)
8 p.m.—"Tunes from 'The Airs': GSC GSD
8:15 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: ZRO3
8:45 p.m.—Somavillas' orchestra: COGF
9:15 p.m.—Kaleidoscope of opera: DJB DJC DJD
9:30 p.m.—H. M. Welsh Guards' band: GSC GSD
11 p.m.—Program from Tahiti: FOAAA
11:30 p.m.—Salute to Latin America: W3XAL (6.05)

Wednesday, December 29

6:15 a.m.—The year's poetry: GSI GSO
7:15 a.m.—A Few Turns in St. James' Park: GSI GSO
9:15 a.m.—Leonard's orchestra: GSI GSG
12:20 p.m.—Fiesta: GSG GSI
2:30 p.m.—BBC orchestra: GSI GSP
5 p.m.—Children's hour: DJB DJC DJD
5 p.m.—London's entertainment on tap: GSI GSP
5:45 p.m.—Songs of American collectors: 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: ZRO3
8 p.m.—Luis Alvarez, songs: YVSR
8 p.m.—Happy program: PCJ (9.59)
8 p.m.—Empire exchange talks: GSC GSD
8:15 p.m.—Rosita Jemma Wade: ZRO3
8:30 p.m.—Recital for piano and violin: ZRO3
8:45 p.m.—For the Short-Wave Listener: WIXAL (6.04)
9:15 p.m.—Songs and verse: DJB DJD
9:35 p.m.—BBC Empire orchestra: GSC GSD
10:45 p.m.—Round London at Night: GSC GSD

Thursday, December 30

6:30 a.m.—Sportsman talking: GSI GSO
7:30 a.m.—At the Black Dog: GSI GSO
9 a.m.—50th Anniv. of the Concertgebouw: PHI
9:55 a.m.—H. M. Central Royal Air Force band: GSI GSG

1:30 p.m.—Peter Dawson: GSI GSI
4:45 p.m.—Far East and Japan in 1937: JZJ JZJ
5:15 p.m.—The year is getting old: HJB DJC
6:20 p.m.—"The Year in Scotland," John R. Allan: GSI GSD
7 p.m.—Christmas concert: GSC GSD
7:15 p.m.—Mariblanca: YVSR
7:30 p.m.—Snow voyage: 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: ZRO3
8 p.m.—"Developments in Land Reclamation," H. E. Tassonir: WIXAL (6.04)
8:30 p.m.—Band concert: ZRO3
8:45 p.m.—News of the stage and movies: DJB
9 p.m.—Spanish popular music: PTA4
9:30 p.m.—Club of Nations: DJB DJC DJD
9:45 p.m.—Philharmonic string trio: GSC GSD
10 p.m.—Canadian hour: HM25
10:45 p.m.—Fred Hartley's sextet: GSC GSD

Friday, December 31

7:20 a.m.—Henry Hall's orchestra: GSI GSO
8 a.m.—Musical memories of 1937: PHI PCJ (15.22)
8:15 a.m.—"Five Years of Empire Broadcasting," Director of the Empire Service: GSI GSO
9 a.m.—Musical memories of 1937: PHI PCJ (15.22)
9 a.m.—New Year's Celebration in Eastern Australia: VK3LR (9.58)
9:40 a.m.—New Year's Eve review: PHI PCJ (15.22)
10:15 a.m.—Chimes from the Cathedral Basilica "St. Jan" at S'Herogenbosch: PHI PCJ (15.22)
10:30 a.m.—Jack Hardy's orchestra: GSI GSG
11:30 a.m.—Chimes from Amsterdam Westertoren: PHI PCJ (15.22)
11:30 a.m.—Made in Great Britain: GSD GSF
1:45 p.m.—Concert orchestra: GSI GSP
2:30 p.m.—Five Hours Back: W3XAL (17.78) W2XAL (15.33)
4 p.m.—New Year's Celebration in Moscow: HNE
4:25 p.m.—Northern Music Hall: GSD GSO
5 p.m.—Holiday music: DJB DJC DJD
6 p.m.—New Year's Celebration in Germany, Italy, Czechoslovakia, Hungary and Poland: HJB DJC DJD ZRO3 OLR3A HAT4 SPW SPD
6:05 p.m.—Anthology of poetry and music: GSC
6:45 p.m.—A Watchnight Service: GSC GSD
7 p.m.—New Year's Celebration in France, Portugal, Switzerland, Denmark and Holland: TPA4 CSW HBP (9.345) OZF PCJ (9.59)
7:01 p.m.—Impressions of England's Entry into 1938: GSC GSD
7:30 p.m.—English program from Switzerland: HBL (9.345)
7:45 p.m.—Talk, "Pathways to Peace": WIXAL (6.04)
7:45 p.m.—Concert of songs and marches: ZRO3
8 p.m.—New Year's Celebration in Iceland and the Canary Islands: TFJ EAJ43
8 p.m.—Woman's page: W3XAL (17.78)
8:05 p.m.—Concert of request numbers: ZRO3
8:05 p.m.—The Chelsea Arts Ball: GSC GSD
8:15 p.m.—Across the Footlights: WIXAL (6.04)
9 p.m.—Program for Latin America: WIXAL (11.79)
9:15 p.m.—Special New Year's Concert: DJB
9:55 p.m.—Who's Here Joe Hogganay: GSC GSD
10 p.m.—New Year's Celebration in Rio de Janeiro: PSII (10.22)
11 p.m.—New Year's Celebration in Buenos Aires: LRX
11 p.m.—Program from Tahiti: FOAAA
11:30 p.m.—New Year's Celebration in Venezuela: YVSR
12 mid.—New Year's Celebration in Cuba, Colombia, Panama: COCH COCO COCQ HJTABP HJTABD (9.63) HP5A HP5J
12:15 a.m.—KDKA DX Club: W3XAL (6.14)
1 a.m.—New Year's Celebration in Mexico and Costa Rica: XEWV (9.5) TIRCC (6.55) TIPC (6.1)

Saturday, January 1

5:30 a.m.—New Year's Celebration in Hawaii: KKH (7.52) K10 (11.65)
6:50 a.m.—H. M. Scouts Guard's band: GSI GSO
8:35 a.m.—How New Year's Eve was celebrated in Holland: PHI
9:10 a.m.—Phon variety ensemble: PHI
11:15 a.m.—Moonings in Melody: GSD GSF
12:30 p.m.—Jack Jackson's band: GSG GSI
2 p.m.—Sugar Bowl Football Game: W2XAF (9.53) W2XAD (15.33)
2:30 p.m.—In Town Tonight: GSI GSP
3 p.m.—Music Hall: GSI GSP
4:30 p.m.—Rose Bowl Football Game: W2XAF (9.53) W2XAD (15.33)
5 p.m.—Tourist hour: HP5A
6 p.m.—New Year's program from Budapest: HAT4
6:20 p.m.—Music Hall: GSC GSD
7:15 p.m.—Conchita Asranis, singer: YVSR
7:45 p.m.—Chamber music: ZRO3
8 p.m.—Bruno Barilli: ZRO3
8 p.m.—Cocktail music: W3XAL (17.78)
8 p.m.—Cuban music: LRX
8:05 p.m.—Rhythmic classics: GSC GSD
8:30 p.m.—Luis Alvarez: YVSR
9 p.m.—Popular music: COGF
10 p.m.—Herman Darewinski's band: GSC GSD
11 p.m.—Northern Messenger; messages to those in the Arctic: YEDN CRCX

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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 megas.

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 (8.11), 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 Klipheuvcl, South Africa, station that has been putting such loud signals into the United States on a frequency of 9.61 megas, was heard on a new frequency of 6.04 megas.

R. B. Oxrieder of State College, Penn., writes that he has finally located OER3, "Radio Wien," 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 megas. When W1XAL, 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 megas 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 HS8PJ (9.51), 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 megas. 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 Courbevoise, 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 (15.16). Broadcasts from this station, which is usually known as "Radio Liberte," 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 megas, 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 Electrica, del Uruguay.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shows)

CJRO, Canada	6.15	JZJ	"	11.90
COAC, Cuba	9.21	JZK	"	15.18
CJAX, "	11.72	KIO, Hawaii	"	11.68
COBZ, "	9.03	KKII, "	"	7.62
COCD, "	6.13	KEP, "	"	16.03
CUCB, "	9.43	Klipheuvcl,	"	
COCO, "	6.01	South Africa	"	9.62
CCOQ, "	9.75	LPU, Argentina	"	13.29
COGF, "	11.305	LIX, "	"	9.96
CSW, Portugal	9.94	LXK, "	"	10.35
DJB, Germany	15.29	GLR3A, Czecho-	"	
DJC, "	6.02	slovakia	"	9.65
DJL, "	11.77	OLR4A, "	"	11.84
DJL, "	15.11	OLR5A, "	"	15.23
EAJ43, Canaries	10.37	ORL, Belgium	"	10.33
EAJ, Spain	9.49	OSF, Denmark	"	9.52
EAPAH, Spanish		PCJ, Holland 8.50,	"	15.22
Morocco	14.05	PHI, "	"	17.75
FOSAA, Tahiti	7.11	PKADQ, Ecuador	"	6.43
GSA, England	6.05	PRF5, Brazil	"	9.50
GSA, "	9.51	P8H, "	"	10.22
GSC, "	9.58	RAN, U.S.S.R.	"	9.60
GSD, "	11.75	RKI, "	"	7.94
GSE, "	15.14	RNE, "	"	12.00
GSG, "	17.19	RVI, "	"	4.273
GSH, "	11.47	RVS9, "	"	6.00
GSI, "	15.26	SPD, Poland	"	11.53
GSS, "	21.64	SPW, "	"	12.64
GSL, "	6.11	TFJ, Ireland	"	12.23
GSO, "	15.18	TPA2, France	"	15.94
GSP, "	15.21	TPA3, "	"	11.28
HAS3, Hungary	15.27	TPA4, "	"	11.71
HAT4, "	9.12	VE9DN, Canada	"	6.05
HHH, Switzerland	15.48	VE9ME, Australia	"	9.99
HBJ, "	14.55	VE3LR, "	"	9.58
HBL, "	9.94	VK3ME, "	"	9.51
HBO, "	11.402	VEDE, Philippines	"	9.54
HBP, "	7.80	W1XAL, Boston, Mass.	"	
HCRIL, Ecuador	6.06	15.25, 11.79 and 6.04	"	
HH48, Haiti	1.905	XEUZ, Mexico, D.F.	"	6.12
HJIAHE, Colombia	9.5	XEXA, "	"	6.172
HJIAHF, "	8.618	YSD, El Salvador	"	7.894
HP5A, Panama	11.7	YV3RC, Venezuela	"	5.00
HP5J, "	9.60	ZBWS, China	"	9.525
HSTJ, Siam 8.51,	19.02	ZTV, British	"	
HVJ, Vatican City	15.12	Honduras	"	10.8
JDY, Kwantung	9.205	ZRO3, Italy	"	8.625
JVX, Japan	10.66	ZRO4, "	"	11.81
JVL, Japan	8.535	ZMI, U.S. Kaimbia	"	8.01

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

News Broadcasts

Daily—12:30 a.m., JZJ; 5, GSB, GSD, GSG, GSO; 7:30, XGOX; 7:45, JDY; 8:30, GSG, GSH, GSO, GSV, GSP; 8:35, JZJ; 11, GSD, GSF, GSG, GSH; 1 p.m., GSB, GSD, GSG, GSH; 2:40, ZRO3; 3, OLR4A; 3:10, TPA3; 4:15, GSB, GSD, GSO; 4:45, EA9AH; 6:30, EAR, HP5A; 7, EA9AH, HP5J, RAN, RKI; 7:15, CSW; 7:30, EAJ43; 7:35, ZRO3; 7:40, GSB, GSC, GSL; 8:15, EAJ43, DJB, DJL; 10:25, GSB, GSG, GSD, GSL; 10:30, DJB, DJL; 10:45, CJRO, CJRX; 11:30, TPA4.
Daily except Sundays—6 a.m., VK3ME; 7:30, YLR.
Sun., Mon., Wed., Fri.—4 p.m., RNE.

Sunday, January 9

*7 a.m.—Program from Darien, Kwantung: JDY
*8 a.m.—Variety program: DJL
*8 a.m.—International church: COCQ
*8 p.m.—Overseas hour for Australia: JZJ
8:45 a.m.—Variety program: PIII
10 a.m.—BBC Concert orchestra: GSG GSF
*2 p.m.—Danish program: OZF
*4:30 p.m.—Overseas hour (East): JZJ JZJ
*4:55 p.m.—Greetings to listeners: DJB DJC DJD
5:30 p.m.—Dance orchestra: YV5RC
*6 p.m.—American hour from Poland: SPW SPD
*7 p.m.—Brazil on the Air: PSII (10.22)
*7 p.m.—Program from Moscow: IAN RKI
8 p.m.—Complete opera: COCH
8:15 p.m.—"Recollections of an Operatic Career," Luisa Tetrazzini: ZRO3
*9 p.m.—Cazara's tango band: LRX
*9 p.m.—El Salvadorian program: YSD
*11:45 p.m. (ex. Sat.)—Program from South Africa: Klipheuvcl (9.61), Roberts Heights (9.525)
*12 mid.—Eden Concert cabaret: COCQ
*12:30 a.m.—Overseas hour (Pacific Coast): JZJ
*1 a.m.—English DX programs: XEUZ
*3 a.m.—English programs from Siberia: RV15

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

Monday, January 10

†5:30 a.m.—Program from Fiji: VFD
8 a.m.—Oriental variety: ZBW3
8:40 a.m.—Variety program: PIII
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 Rorka: GSP
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: W1XAL (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 p.m.—Monitor news: W1XAL (11.79)
7 p.m.—Serial dramas: GSB GSC
7:30 p.m.—Course in modern radio: W1XAL (6.04)

†8 p.m.—Popular music: COGF
8 p.m.—North American hour from Czechoslovakia: OLIIA
8:30 p.m.—Maji bag: ZRO3
†9 p.m.—Typical orchestra: COGF
†10 p.m.—Dance music: LRX

Tuesday, January 11

9 a.m.—Phoii Variety Ensemble: PIII
11:40 a.m.—"Do We Understand English?": GSG
12:20 p.m.—Scenes 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": GSP
4:35 p.m.—"Green Fields and Pavements," H. B. Brennan: GSG GSD
6:20 p.m.—The week's news: GSB GSC
†7:30 p.m.—Broadcast from Belize, British Honduras: ZIKZ
7:45 p.m.—Tuesday symphonies: ZRO3
††8 p.m.—Gavilan and Catalina, guitar duo: COGF
8:15 p.m.—Interview with fencing champion Acollas Greco: ZRO3
††9 p.m.—Somavillas' orchestra: COGF
11 p.m.—Program from Tahiti: FOSAA

Wednesday, January 12

10 a.m.—Palace of varieties: GSF GSG
11:40 a.m.—"Week Affairs," H. Wickham Steed: GSP GSG
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: W1XAL (6.04)
7:45 p.m.—Famous voices of yesterday: ZRO3
8 p.m.—Rosita Jemma Wade: ZRO3
8:30 p.m.—Light music: ZRO3
8:40 p.m.—"For the short-wave listener": W1XAL (6.04)

Thursday, January 13

9 a.m.—House in the Country: GSF GSG
9:35 a.m.—Dr. Eberhard Rebling, pianist: PIII
11:20 a.m.—"Matters of Moment," Margaret Woodfield: GSF GSG
12:20 p.m.—Tommy Kinsman's orchestra: GSG
1:20 p.m.—Fred Hartley's sextet: GSG GSI
2:30 p.m.—"Whoopee, Paree!": GSP GSI
3:30 p.m.—Sir Alfred Zimmerman: GSO GSD
5 p.m.—Mid-week service: GSO GSD
7:15 p.m.—Mariblanca: YV5RC
7:30 p.m.—"Milestones of Advancing Physics": W1XAL (6.04)
7:45 p.m.—Selections from operas: ZRO3
8 p.m.—"Problems in Economics": W1XAL (6.04)
8:15 p.m.—"Modern Italy," John Pagliuse: ZRO3
9 p.m.—Program for North America: PCJ (9.59)
9:35 p.m.—H. N. Royal Artillery Mounted band: GSC GSD GSI
10 p.m.—Special DX program from Guatemala: TGWA (9.685 or 11.76)
10:45 p.m.—Bert Firman's orchestra: GSC GSD

Friday, January 14

7:50 a.m.—Willie Walker, clarinet: GSG GSI
11:30 a.m.—Songs and songs from the movies: GSF GSG
2:30 p.m.—Five Hours Back: W2XAD (15.33) W3XAL (17.78)
6:20 p.m.—"Do We Understand English?": GSB
7 p.m.—Special DX program from Portugal: CS2WA (9.65)
7:30 p.m.—English program from Switzerland: IIBL (9.315)
7:45 p.m.—Stars of Italian Stage and Radio: ZRO3
8 p.m.—Songs from the light operas: GSB GSC
9 p.m.—Program for Latin America: W1XAL (11.79)
9:15 p.m.—"Just Back from Scandinavia," Wilham Teeling: GSC GSD GSI
9:30 p.m.—Play, "Tartarin of Tarascon": DJB
9:30 p.m.—"The House in the Country": GSC GSD GSI
11:30 p.m.—DX Club: WEXK (6.14)
1 a.m.—Special DX broadcast from Mexico: XETW (6.045)

Saturday, January 15

8:30 a.m.—Phoii Variety Ensemble: PIII
9:30 a.m.—Microphone debutantes: PIII
9:35 a.m.—Football: Wales vs. England: GSF GSG
12:30 p.m.—Marius B. Winter's orchestra: GSG GSI
2 p.m.—H. St. 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: IIP5A
6 p.m.—Program from Budapest: HAT5
7:45 p.m.—Chamber music: ZRO3
8 p.m.—Cocktail musical program: W3XAL (17.78)
8 p.m.—Ernesto Leruona's Cuban music: LRX
8:10 p.m.—Amy Evans, soprano: GSC GSD GSI
8:15 p.m.—"Pergolesi and His Sacred Music," Elizabeth Lain: ZRO3
8:30 p.m.—Continental: YV5RC
9 p.m.—Popular music: COGF
10:55 p.m.—Film Shots: GSC GSD GSI
11 p.m.—Northern Messenger, messages to those in the Arctic: VE9DN CRXC

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

SHORT WAVES

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

Time Shows 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 car 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 megas.

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 Mallet 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 ZP14 (6.15), "Radio Cultura, La Voz del Corayon de Sud America," Villarica, 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 megas, 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 megas, although the station is actually being heard on 9.685 megas.

Transmissions from 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 megas. 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 megas, 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 Eloy, Ill., has been hearing in the afternoons on a frequency of 11.04 megas, 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	6.16	K10, Hawaii	11.68
CJAX, Cuba	11.72	KKH, "	7.82
COCQ, "	6.13	KKP, "	16.93
COCN, "	6.42	Klphnevel, "	
CLCO, "	6.01	South Africa	9.62
COOQ, "	9.75	L.R.U. Argentina	15.25
COGY, "	11.925	L.R.X., "	9.86
CSW, Portugal	9.24	L.R.X., "	10.25
DJB, Germany	15.20	OLR3A, Czechoslovakia	9.55
DJC, "	8.02	OLR3A, "	11.84
DJL, "	11.77	OLR3A, "	15.23
DJL, "	15.11	OLR3A, "	10.25
EJ43, Canarias	10.37	ORF, Belgium	9.52
EAB, Spain	8.49	PCJ, Holland	9.59, 15.22
EABAH, Spanish Morocco	14.05	PKI, "	17.775
FC4AA, Tahiti	1.11	PRADQ, Ecuador	8.62
GSA, England	6.05	PIF, Brazil	8.50
GSH, "	8.51	PSJ, "	10.22
GSC, "	8.55	R.A.M., U.S.S.R.	9.80
GSD, "	11.75	RKI, "	7.24
GSE, "	12.14	RNE, "	15.20
GSG, "	17.22	R.V.S., "	4.273
GSH, "	11.47	R.V.S., "	5.00
GSI, "	15.70	SPD, Poland	11.53
GSL, "	21.55	SPW, "	15.64
GSO, "	6.11	TFJ, Iceland	12.33
GSP, "	15.21	114NRH, Costa Rica	9.693
HAS3, Hungary	15.37	TPA2, France	15.24
HAT4, "	9.12	TPA3, "	11.84
HBM, Switzerland	14.44	TPA3, "	11.71
HBJ, "	14.535	VEBDM, Canada	6.095
HBL, "	9.39	VKEME, Australia	9.59
HBO, "	11.402	VKXME, "	9.51
HBF, "	7.89	WLR, "	9.55
HCR1, Ecuador	6.05	VPDE, Fiji	9.24
HHR8, Haiti	9.925	WIXAL, Boston, Mass.	15.23, 11.79 and 6.04
HJABE, Colombia	9.5	XEUZ, Mexico, D.F.	6.12
HJABF, "	9.018	XEXA, "	6.122
HPSA, Panama	11.7	YSD, El Salvador	7.894
HPJ, "	9.50	YVGR, Venezuela	8.50
HSEF3, Siam	9.51, 15.92	ZBWS, China	9.525
HVJ, Vatican City	15.12	Z.K.Z., British Honduras	10.9
JDY, Kwantung	9.925	ZR03, Italy	9.635
JVN, Japan	16.46	OMI, S.S. Kambha	6.01
JVI, "	9.535		
JZJ, "	11.40		
JZK, "	16.19		

Short-wave programs of American stations are shown along with the regular listings beginning on page 27. Those 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 scheduled program schedules.

News Broadcasts

Daily—12:30 a.m., JZJ; 5, GSF, GSB, GSD, GSI, GSO; 7:30, NGON; 7:45, JDU; 8:30, GSG, GSH, GSO, GSA, GSF; 8:35, JZJ; 11, GSD, GSF, GSG, GSH; 1 p.m., GSH, GSD, GSG, GSA, 2-40, ZR03; 3-10, TPA3; 4-15, GSB, GSD, GSC, 4:50; 4-30, OLR3A; 4-45, EAPAH; 6-30, KAT, HPSA; 7, EAPAH, HPSA, BAN, HKI; 7:15, CSW; 7:30, EAJ43; 7-35, ZR03; 7-40, GSB, GSC, GSI; 8-15, EAJ43, DJB, DJD; 10:25, GSB, GSC, GSD, GSI; 10:30, INH, DJD; 10-45, CJRO, CJHX; 11:30, TPA4.
Mon., Wed., Fri.—9:45 p.m., OLR3A

Sunday, January 30

*7 a.m.—Program from Darden, Kwantung; JDY
*8 a.m.—Variety program for North America; DJL
*8 a.m.—International church; COCQ
*8 a.m.—Overseas hour for Australia; JZJ
8:50 a.m.—Phoni Symphony Orchestra, conducted by Edward Fosse; PHI
1:30 p.m.—Richard Croon's orchestra; GSG 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; HND (6.235)
*4:30 p.m.—Overseas hour (East); JZJ JZJ
*4:35 p.m.—Greetings to listeners; DJB DJC
6:15 p.m.—Our Sunday concert; DJB DJC DJD
*7 p.m.—Brazil on the Air; PSH (10.22)
*7 p.m.—Program from Moscow; BAN RKI
*9 p.m.—Carson's tempo band; LRX
10:25 p.m.—Congregational services; GSC GSD
*11:45 p.m. (ex. Sat.)—Program from South Africa; KLI*HEUVEL (9.61) ROBERTS HEIGHTS (9.52)
*12:30 a.m.—Overseas hour (Pacific Coast); JZJ
*1 a.m.—English DX programs; XEUZ
*3 a.m.—English program from Siberia; RV15

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

Monday, January 31

†5:30 a.m.—Program from Fiji; VFD
†8 a.m.—Oriental variety; ZHW3
8:40 a.m.—Otto Dobeindl's orchestra; PHI
9:20 a.m.—Concert; PHI
12:40 p.m.—Mandolin recital; GSG GSD
1:40 p.m.—Songs from Here and There; GSP GSG
3:30 p.m.—Drama, "The Count of Monte Cristo" (Part V); GSO GSB
4 p.m.—Around the Dial; WINK (9.57)
†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 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; OLR3A or OLR2B (6.03)

†8 p.m.—Typical orchestra; COGF
9:15 p.m.—Program of the Pan American Union; YV5RC

Tuesday, February 1

7:15 a.m.—Feasting and Dooling through the Centuries; GSF GSG GSI
11:20 a.m.—Hungarian Gypsy Party; GSP GSG
4:25 p.m.—Herman Durewsky's band; GSO GSB
5 p.m.—Anthony Weymouth; GSO GSB
6:20 p.m.—"Topics of the Day," Gerald Barry; GSB GSC GSI
††7:30 p.m.—Broadcast from Belize, British Honduras; ZIK2
††8 p.m.—Argentine music; COGF
8:15 p.m.—Tuesday Symphonies; ZR03
††9 p.m.—Sonavillas' orchestra; COGF
††9 p.m.—Friendly hour; THNRU
9:15 p.m.—Opera, "Oberon," Carl Maria von Weber; DJB DJC DJD
11 p.m.—Program from Tahiti; FO3AA
11:30 p.m.—Salute to Latin America; WBNAL (6.06)

Wednesday, February 2

7:55 a.m.—Jack Wilson's versatile five; GSF
11:40 a.m.—"World Affairs," H. Wickham Steed; GSF GSG
3 p.m.—W. H. Berry as "Mr. Microwber"; GSI
3:15 p.m.—BBC Symphony Concert; the BBC Symphony Orchestra, conducted by Sir Hamilton Harty; GSG GSP
4:40 p.m.—Police Open Boxing Championships; GSO GSB
6:70 p.m.—"The House in the Country"; GSB
7:30 p.m.—Don Nardol, tenors; YV5RC
8 p.m.—Enita Jemina Wade; ZR03
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.—Nether Wetmar trio; GSF GSG GSI
7:30 a.m.—"At the Black Dog"; GSF GSG GSI
9 a.m.—Harry Engelmann's quintet; GSF GSG
9:20 a.m.—"Music in Paradise," Ken Kopartsky; PHI
11:35 a.m.—Recital of Welsh songs and dances; GSF GSG
1:20 p.m.—BBC Empire orchestra; GSG GSD
2 p.m.—All Kinds of People; GSI GSG
3:30 p.m.—The Way of Power; GSF GSG
4:35 p.m.—Northern Music Hall; GSB GSD
6:15 p.m.—Rendezvous at a Masked Ball; DJB
7:15 p.m.—Glor Hernandez' orchestra; YV5RC
7:45 p.m.—Selections from operas; ZR03
8:15 p.m.—"Modern Italy," John Pugliese; ZR03
9:35 p.m.—Yvonne de Bretagne, Canadian pianist; GSC GSD GSI
9:45 p.m.—"Piccadilly," the history of Piccadilly; GSC GSD GSI
10 p.m.—Canadian hour; H125

Friday, February 4

8:20 a.m.—Next week's programs; GSF GSG GSI
8:40 a.m.—Variety program; PHI
10:15 a.m.—Ritz Players, dance music; GSF GSG
11:30 a.m.—Play, "Victue in Dreams"; GSF GSG
12:20 p.m.—Walter Collins' orchestra; GSG GSD
2:15 p.m.—Haich Marshall string orchestra; GSI
2:30 p.m.—Five Hours Back; W2XAD (15.33) W2XAF (9.53)
3:15 p.m.—Stannell's Bachelor Party; GSP GSG
7 p.m.—Non-stop variety show; GSB GSC GSI
7:30 p.m.—English program from Switzerland; HBL (9.345)
7:45 p.m.—Stars of Italian Stage and Radio; ZR03
8 p.m.—Woman's Page program; W3XAL (17.78)
8:15 p.m.—"Across the Footlights"; WIXAL (6.04)
8:45 p.m.—Play, "Steel and Success"; INB DJC
9 p.m.—Program for Latin America; WIXAL (11.79)
9:35 p.m.—Jack Jackson's band; GSC GSD GSI
11:30 p.m.—DX Club; W8XK (6.14)

Saturday, February 5

8 a.m.—Commodore Grand orchestra; GSF GSG
8:45 a.m.—"The Hohner Boys" Mouthorgan band; PHI
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.—Karaman trio; GSG GSI
2:30 p.m.—"In Town Tonight"; GSP GSG
3 p.m.—Palace of Varieties; GSP GSG
4:45 p.m.—The BBC Theater orchestra; GSO
5 p.m.—Tourist hour; HPSA
6:45 p.m.—Variety hour from Switzerland; HBL HBP
7:15 p.m.—Salvador Santuella's orchestra; YV5RC
7:20 p.m.—Arthur Catterall, violin; GSB GSC
7:45 p.m.—Concert of chamber music; ZR03
8 p.m.—Mediterranean Isles, "Capri"; ZR03
8 p.m.—Corktail musical program; W3XAL (17.78)
8:10 p.m.—"Shock-headed Peter"; GSB GSC GSI
8:30 p.m.—Continental and Luis Alvarez; YV5RC
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 GSI
11 p.m.—Northern Messenger; messages to those in the Arctic; WERIN CRCN

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

(Magnitudes or thousands of kilocycles shown)

CB1770, Chile	11.85	LNU, Argentina	15.20
CJRO Canada	9.14	LXX	9.08
CJRX, Cuba	11.79	LXX	10.35
CFCD	9.13	OLR9B, Cooche-	
COCH	8.45	slovakia	0.03
COCO	8.91	OLR3A	9.55
COGQ	9.76	OLN4A	11.74
COOF	11.905	OLN4A	15.33
CSW, Portugal	8.84	ORX, Belgium	10.30
DJB, Germany	18.30	OZF, Denmark	9.52
DJC	9.02	PCJ, Holland 9.10	15.72
DJD	11.77	PHI	17.75
DJE	16.11	PRADO, Ecuador	9.42
EJ43, Caracas	10.57	FNP, Brazil	9.50
EAK, Spain	8.45	FPA, "	9.50
EAP41, Spanish		KAW, U.S.S.R.	9.40
Maracaibo		KKI	7.54
FOJAA, Tahiti	14.04	KNE	10.00
OSA, England	9.05	KW18	8.00
OSB	9.5	KV59	"
OSD	9.18	SPD, Poland	11.53
OSG	11.75	SPW	15.54
OSP	18.14	TFJ, Ireland	12.20
OSQ	17.79	T4NRM, Costa	
OSK	11.47	Rice	9.08
OSL	18.00	TPAF, France	15.24
OSJ	21.32	TPAE	11.22
OSL	6.11	TPA4	11.71
GSO	16.18	VY9DN, Canada	9.005
OST	18.21	VK6ME, Australia	9.59
HAT4, Hungary	9.19	VK6ME	8.51
HBL, Switzerland	14.525	VLB	8.58
HBL	9.84	VY9DN, Canada	9.54
HBO	11.402	VP10, St. Kitts	9.09
HBP	7.20	VUD2, India	9.10
HCRZL, Ecuador	9.40	WIXAL, Boston, Mass.	
HJADP, Colombia	9.015	18.35, 11.79 and 0.04	
HP5A, Panama	11.7	XEUZ, Mexico, D.F.	9.12
HP5J	8.09	XEXA	8.178
H86PJ, Siam 9.51	19.02	YSD, El Salvador	7.894
IQY, Italy	11.9	YV9RO, Venezuela	5.30
IRF	9.43	ZRW3, China	8.525
JDY, Kwantung	9.805	ZIK9, British	
JVI, Japan	9.535	ZXX, N. Africa	9.522
JVN	10.81	ZXX	8.01
JZJ	11.20	Hooduara	10.0
JZK	16.14	ZMBJ, S.E. Awtasia	8.54
Klippsval		9MT, S.S. Kambala	8.01
South Africa	9.08	ZRO3, Italy	8.536

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News Broadcasts

Daily—12:30 a.m., JZJ; 5, GSF, GSD, GSO, GSG; 7:30, NGOK; 7:45, JDY; 8:30, GSG, GSH, GSD, GSF; 8:35, JZJ; 11, GSD, GSF, GSO, GSH; 1 p.m., GSB, GSD, GSO, GSA; 2:40, ZRO3; 3:10, TPA3; 4:15, GSB, GSC, GSO; 4:30, OLR3A; 4:45, EA9AH; 6, JZJ; HP5A; 7, EA9AH, HP5J, BAN, RK1; 7:15, CSW; 7:30, EJ43, EAR; 7:35, ZRO3; 7:40, GNB, GSC, GAJ; 8:15, EA243, 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

7 a.m.—Program from Darlen, Kwantung; JDY
8 a.m.—Variety program from Germany; DJL
8 a.m.—International church; COCQ
8 a.m.—Overseas hour (South Seas); JZJ
10:10 a.m.—Mission news; PHI
11 a.m.—Fourth World Concert, from Australia.
Leading short-wave stations in the world
1:15 p.m.—Edvardian Melodies; GSP, GSG
1:40 p.m.—Iceland hour; TFJ
2 p.m.—Danish program; OZF
4 p.m.—Test broadcasts from St. Kitts; VP10 (6.38)
4:30 p.m.—Overseas hour (South America); JZJ, JZJ
4:55 p.m.—Greetings to listeners; DJB, DJC, DJD
5:30 p.m.—Billie's orchestra; YV5HC
6 p.m.—Polish program (North America); SPW (13.635) S1D (11.535)
6 p.m.—Special English period from Tokyo; JZJ
6 p.m.—"La Voz de las Provincias"; COCH
6 p.m.—Cadena Cruzellas network program; COCO
6:30 p.m.—Frank Walker's Octet; GSC, GSI
7 p.m.—Brazil on the Air; PSI1 (10.22)
7 p.m.—Program from Moscow; BAN, HKE
7:30 p.m.—Broadcast from Loyalist Headquarters in Madrid; EAR
7:45 p.m.—Opera; ZRO3, 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 (10.37)
9 p.m.—Curran's tango band; LRX
9:30 p.m.—Oriental program from India; VUD2
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

15:30 a.m.—Program from Fiji; VPD2
8 a.m.—Oriental variety; ZBW3
8 a.m.—Siamese broadcast; H18PJ (19.02)
10:30 a.m.—Vatican City broadcast; HVJ
(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 tyre-bird, found in the lonely bush and forest regions of southeastern Australia, will open the concert. Tribal songs of the aboriginal Mananao 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. Muster, 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 meg), will be VR6A. Mr. Muster 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.

WIXAL, 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.

VK6ME (9.59), Perth, West Australia, is now operating week-days from 6 to 8 a.m. EST . . . SM5SX (15.155), Stockholm, Sweden, broadcasts week-days 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 ZRO3 (9.635), IRF (9.83), 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

11:15 p.m. (ex. Sat.) — Hollywood Brevities; W2XAD (15.33)
3:30 p.m.—Drama, "The Count of Monte Cristo" (Part X); GSP GSG
14:50 p.m.—Science news; WIXAL (6.04)
15 p.m. (ex. Sat.) — American news; W2XAF (9.53) W2XAD (15.33)
5:30 p.m.—Headlines and By-Lines; W2XE (11.83)
16 p.m.—Monitor news; WIXAL (11.79)
17:15 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 from Czechoslovakia; OLR2B
8 p.m.—"Conjunto Neopoblano 1936 Typical Orchestra"; YV5HC
9:50 p.m.—Albert Sammons, violin; GSI, GSD
10:50 p.m.—Empire Folies; GSC, GSD, GSI

Tuesday, March 8

9 a.m.—Report on the Amsterdam Fire Brigade; PHI
10 a.m.—Torsny Municipal orchestra; GSF, GSG
12:20 p.m.—Walter Collins' orchestra; GSG, GSD
2:30 p.m.—Science Forum; W2XAD (15.33)
3 p.m.—Musical play, "The Golden Rose"; GSP, GSG
4:20 p.m.—Talk, "America Speaks"; GSO, GSB
5 p.m.—BBC Military band; GSG, GSO
7:17 p.m.—Broadcast from Chile; CB170
11:30 p.m.—Program from Belize, British Honduras; ZIK2 (10.6)
118 p.m.—Guitar duo; COGF
8:45 p.m.—Conchita Arancin, songs; YV5RC
9:30 p.m.—Opera, "Tristan and Isolde"; DJB, DJC
11 p.m.—Program from Tahiti; FO8AA
11:30 p.m.—Salute to Latin America; W8XAL (6.06)

Wednesday, March 9

6:55 a.m.—Chamber music of Grieg; GSF, GSG
9:45 a.m.—Story, "The Old Man"; GSF, GSG
11:40 a.m.—World Affairs; GSF, GSG
12:20 p.m.—Claude Banington's orchestra; GSO
3 p.m.—RBC Symphony orchestra; GSP, GSG
4:35 p.m.—"The Merry Wives of Windsor"; GSO
7 p.m.—Budapest program; HAT4
7:30 p.m.—International orchestra; LRX
8 p.m.—Music in Cuba; GSC, GSI
8:15 p.m.—Just Talking On; ZRO3, IRF, IQY
8:30 p.m.—Concert of light music; ZRO3, IRF, IQY
8:45 p.m.—"For the Short Wave Listener"; WIXAL (6.04)
9:35 p.m.—BBC Empire orchestra; GSC, GSD, GSI

Thursday, March 10

7:30 a.m.—At the Black Dog; GSF, GSG, GSI
9:35 a.m.—The Cheltenham Gold Cup; GSF, GSG
12:20 p.m.—The Dussant; GSG, GSD
2:45 p.m.—Music of George Gershwin; GSF, GSG
6:15 p.m.—The story of an automobile; DJB, DJC
7 p.m.—Orchestra Musette; LRX
7:15 p.m.—Galer Hernandez' orchestra; YV5RC
8:15 p.m.—Talk, "Heroes of the Mountains"; ZRO3, IRF, IQY
8:45 p.m.—Report on the Leipzig Fair; DJB, DJC
10:15 p.m.—"DX Chatter Box"; W8XK (6.14)

Friday, March 11

7:20 a.m.—Billy Thorburn's music; GSF, GSG
9 a.m.—BBC Empire orchestra; GSF, GSG
11:30 a.m.—Variety program; GSF, GSG
12:20 p.m.—Trusse's mandolins; GSG, GSD
2:30 p.m.—The Scottish Country; GSF, GSG
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; ZRO3, IRF, IQY
8:45 p.m.—Report on the Leipzig Fair; DJB, DJC
9 p.m.—Jesus Palma, singer; YV5RC
10 p.m.—"Canada, 1938"; CFCX (6.005)
11 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, GSG, GSI
8:30 a.m.—Melody in rhythm and rhythm in melody; PHI
9:20 a.m.—Super Dancers; PHI
9:55 a.m.—Relay from the Carlton Hotel at Amsterdam; PHI
10 a.m.—Rugby Football; Wales vs. Ireland; GSF, GSG
1:45 p.m.—Metropolitan opera; W3XAL (17.78) (31Q (9.74) COBZ (9.02)
2:30 p.m.—"In Town Tonight"; GSP, GSG
3 p.m.—Music Hall; Will Fyffe; GSP, GSG
4:35 p.m.—BBC Theatre orchestra; GSO, GSB
5 p.m.—Variety tourist hour; HP5A
6:20 p.m.—Music Hall; GSC, GSI
7:30 p.m.—Fiesta Ritmo; LRX
7:45 p.m.—Chamber music; ZRO3, IRF, IQY
8 p.m.—Cocktail musical program; W3XAL (6.1)
8:15 p.m.—Talk, "The Ballet in Italy"; ZRO3, IRF, IQY
8:30 p.m.—Piano selections; DJB, DJD
9 p.m.—Popular music; OMGF
9:45 p.m.—Dance music; YV5RC
10 p.m.—NBC Symphony; W3XAL (6.1) CMQ (9.74) COBZ (9.02) TGWA (9.685)
10 p.m.—Opera; OAN4 (9.34)
11 p.m.—Northern Messenger; messages to those in the Arctic; YV9DN, CRX

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CB1178, Chile	11.65	LRU, Argentina	15.26
CFRO, Canada	4.15	LRX, "	9.66
CFRX, Cuba	11.72	LSK, "	16.36
COCD, "	6.12	OLR3B, Czechoslovakia	6.03
COCH, "	6.43	OLR3A, "	9.55
COCO, "	4.01	OLR3A, "	11.94
COCP, "	9.75	OLR4A, "	15.23
COGF, "	11.90	OLR5A, "	16.35
OSW, Portugal	9.91	ORX, Belgium	16.35
DJB, Germany	15.26	OZF, Denmark	15.27
DJC, "	6.02	PCJ, Holland	9.89, 15.27
DJD, "	11.77	PHI, "	17.775
DJE, "	16.11	PRADO, Ecuador	6.625
EAF43, Caracas	10.37	PRT, Brazil	9.59
EAB, Spain	9.49	PSA, "	9.59
EASAH, Spanish	14.86	RAN, U.S.S.R.	9.00
FC1AA, Tahiti	7.11	RNE, "	7.54
GSA, England	4.00	RVS, "	12.00
GSB, "	9.51	RY25, "	4.273
GSC, "	3.25	SFD, Poland	11.53
GSD, "	11.75	SPW, "	12.64
GSE, "	15.14	TFP, Iceland	12.83
GSG, "	17.79	TIANRH, Costa Rica	9.005
GSH, "	21.47	TPA2, France	15.24
GSI, "	15.26	TPA3, "	11.59
GSL, "	6.11	TPA4, "	11.71
GSO, "	15.18	VEYDN, Canada	6.005
GSP, "	15.21	VK3ME, Australia	9.89
HAT4, Hungary	8.12	VX3ME, "	9.51
HBI, Switzerland	14.535	YIK, "	9.50
HBL, "	9.24	YFD2, Fiji	9.54
HBO, "	11.402	YFD3, St. Kitts	9.26
HBP, "	7.60	YUD2, India	9.50
HCR2L, Ecuador	6.60	WIXAL, Boston, Mass.	15.26, 11.79 and 6.94
HCIARF, Colombia	9.618	XEUZ, Mexico, D.F.	6.12
HPSA, Panama	11.7	YXLA, "	6.172
HPIJ, "	9.00	YSD, El Salvador	7.894
HSPFJ, Siam	8.51, 15.02	YYSBC, Venezuela	5.80
IQY, Italy	11.9	ZBWS, China	9.305
IRF, "	9.02	ZIKZ, British	9.621
JDY, Kwantung	9.905	ZRM, S. Africa	9.923
JVI, Japan	10.60	ZNK, "	9.61
JZJ, "	11.80	ZMBJ, S.S. Awexia	8.84
JKK, "	15.14	ZMI, S.S. Kambria	6.01
Milbeveel, South Africa	9.02	ZR03, 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-11.67) in parentheses following a program listing. This means that on 11.67 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; 3:50, GSH, GSD, GSF, GSO, 7:30, XGON; 7:45, JDY; 8:30, GSG, GSF, GSH, GSO, GSD; 8:55, JZJ; 11, GSD, GSF, GSG, GSH; 1 p.m., GSA, GSB, GSD, GSG; 2:40, ZR03; 3:10, TPA3; 4:15, GSB, GSC, GSO; 4:30, OLR3A; 4:45, EASAH, 6:05, JZJ, HPSA; 7, EASAH, HPSA, RAN, RKI; 7:15, GSB; 7:30, EAF43, EAR; 7:35, ZR03; 7:40, GSH, GSC, GSD, GSG; 8:15, EAF43, DJB, DJD; 10:30, GSB, GSC, GSD, GSL, DJB, DJD; 10:45, CJRO, CJRX; 11:30, TPA4.

Daily Except Sundays—5:20 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; UZF
*3 p.m.—English news; TPA3 (11.885) (15.13)
*4 p.m.—Test broadcasts from St. Kitts; VP2LO (6.38)
*4:30 p.m.—Overseas hour (South America); JZJ
*4:55 p.m.—Greetings to listeners; DJB DJD
5:30 p.m.—Billie's orchestra; VV5BC
*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 Cruzcitas network program; COCD
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 RKI
*7:30 p.m.—Loyalist programs from Madrid; EAR (9.488)
*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.—Caroso's tango band; LBX
9:15 p.m.—German Collection Musicum; DJB
*9:30 p.m.—Oriental program from India; YUD2
*10:30 p.m.—English news summary; GSD GSC
*10:30 p.m.—English news from Germany; DJB
*11 p.m.—Tone from Pitcairn Island; VR6A (14.346)
*11 p.m.—Mardi dance orchestra; COCH
*11:45 p.m. (ex. Sat.)—Program from South Africa; ZRK ZKH
*12 mid.—Broadcast from Eden Concert cabaret; CHQ
*12 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 (9.488), 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 HC1JB (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. VR6A (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 WIBES and W1GR. The former transmitter is owned by Lew Belten, a member of the Expedition now at Pitcairn. To Harry Kentzel of Averill 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 a.m.—Program from Fiji; VP02
88 a.m.—Program from Hong Kong; ZH03
88 a.m.—Siamese broadcast; HSP2 (19.02)
10:30 a.m.—Vatican City broadcast; HVJ
3:30 p.m.—Drama, "The Count of Monte Cristo" (Part XII); GSP GSG
14:50 p.m.—Science news; WIXAL (6.64)
15 p.m.—American news tower; W2XAF (5.53) W2XAD (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; HRO (11.402) HBJ (14.535)
11:8 p.m.—North American program from Czechoslovakia; OLR3A or OLR4A
11:30 p.m.—Typical orchestra; COGF
9:35 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 artists; PHI
11:30 a.m.—The Melody Is There; GSF GSG
1:25 p.m.—BBC Scottish orchestra; GSP GSG
2:30 p.m.—Science Forum; W2XAD (15.33)
6 p.m.—German folk songs; DJB DJD
6:55 p.m.—Comedietta, "Village Wearing"; GSD
11:7 p.m.—Broadcast from Chile; CB1170
11:30 p.m.—Program from Belize, British Honduras; ZIKZ (10.6)
11:45 p.m.—Argentine music; COGF
8:15 p.m.—Behind the Scenes Aboard a Crack Steamliner; ZR03 IRF
8:30 p.m.—Bolt Parr, baritone; DJB DJD
9 p.m.—International DX'ers Alliance Program from Ecuador; HC2RL (6.635)
9:30 p.m.—Question Box; EAR
11 p.m.—Program from Tahiti; P06AA
11:30 p.m.—Salute to Latin America; W8NAL (6.06)

Wednesday, March 23

9:35 a.m.—"The Lincoln," a commentary on the Lincolnshire Handicap, from Carlhams, Lincoln; GSF GSG
11:40 a.m.—"World Affairs," Sir Malcolm Robertson; GSP GSG
5 p.m.—Les' play circus; DJB DJD
6 p.m.—Opera, "Margarette," 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.—Hedra Jenma Wade; ZH03 IRF
8:45 p.m.—For the Short-Wave Listener; WIXAL (6.04)
9:30 p.m.—North American program from Guatemala City; TGWA (9.655)
10 p.m.—"Music and Stories of Latin America"; W3NAL (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' show; DJB DJD
6:50 p.m.—Soviet concert; GSD GSP
7 p.m.—Orchestra; Muzette; LRX
7:30 p.m.—Popular orchestra; VV5BC
8:30 p.m.—Dr. Franz Reichardt; DJB DJD
10:50 p.m.—Rucky Mountaineers; GSC GSD

Friday, March 25

8:40 a.m.—PHOH Variety Ensemble; PHI
9:50 a.m.—Talk by Bari Peirel; PHI
10 a.m.—"The Grand National," a commentary on the race from Aintree, Liverpool; GSH GSG GSO GSF GSD
12:45 p.m.—"Monkey Wrenches in the Trade Machine," Sir Josiah Stamp; GSG GSD
4 p.m.—English news review; LSV (16.115) LRX
6 p.m.—Variety hour; DJB DJD
7 p.m.—Humorous side; DJB DJD
7:45 p.m.—Stars of Italian stage and radio; ZR03 IRF
8:15 p.m.—"Boris's Midnight Vales," Amy Bernardy; ZR03 IRF
9:50 p.m.—Non-stop variety program; GSC GSD
10 p.m.—Canada, 1938; CFCA (6.065)
11 a.m.—Broadcast to Waldeck Expedition in British Guiana; W2XAF (9.53)
12:15 a.m.—DX (Incl; W8XK (6.14)

Saturday, March 26

8:30 a.m.—PHOH Variety Ensemble; PHI
10:45 a.m.—Association football match; GSF GSG
1:45 p.m.—Metropolitan opera; W3NAL (17.76) CNQ (9.74) COB2 (9.02)
2:30 p.m.—In Town Tonight; GSP GSG
3 p.m.—Music Hall; GSP GSG
5 p.m.—Tourist hour; HPSA
6 p.m.—Lea Pilla, songs; DJB IMD
6:30 p.m.—Symphony concert; DJB DJD
7:30 p.m.—Opera concert; DJB DJD
8 p.m.—Concert orchestra; VV5BC
8:10 p.m.—George Baker, ballad recital; GSD
9:15 p.m.—Club of Negroes; DJB DJD
9:30 p.m.—American Poets; W2XAF (9.53)
10 p.m.—Aeolian Orchestra; GSC GSD
10:45 p.m.—International DX'ers Alliance Program from Venezuela; YV1RH (5.645)
11 p.m.—Northern Messenger; Message to those in the Arctic; VE9DN CRX

Table with columns for station call letters, frequency, and program type. Includes stations like GB1170, CFHO, CFHX, etc.

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. 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, XGON; 7:45, JBY; 8:30, GSG, GSF, GSH, GSI, GSO; 8:55, JZJ; 11, GSD, GSF, GSO, GSI; 1 p.m., GSB, GSD, GSG; 2:40, 2R03; 3:10, TPA3; 4:15, GSB, GSD, GSF, GSO; 4:30, OLR3A; 4:45, LA9AH; 6:05, JZJ, HPSA; 7, EAVAH, HPSA, HAN, BKI; 7:15, CNW; 7:30, EAJ43, EAI; 7:35, 2R03; 7:40, GSH, GSC, GSD, GSP; 8:15, EAJ43, DJB, DJD; 10:30, GSH, GSC, GSD, DJR, DJD; 10:45, CJRO, CJHX; 11:30, TPA4.

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.—Phoni Symphony Orchestra: PHI
- 10:15 a.m.—BBC Orchestra: GSG GSI
- 2 p.m.—Special Transmissions for Austrian Nationalists: INJ (9.59)
- *2 p.m.—Danish program: GZF
- *3 p.m.—English news from France: TPA3 (11.855) (15.13)
- *4 p.m.—Test broadcasts from St. Kitts: VP2LO (6.38)
- 4:30 p.m.—The Khyber Pass: GSF GSI
- *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.—Folish program for North America: SPW (13.635) SPD (11.535)
- *6 p.m.—La Voz de Las Provincias: COCH
- *6 p.m.—Cadena Crucelias network program: COCO
- 6:50 p.m.—Methodist services: GSC GSD GSP
- *7 p.m.—Brazil on the Air: PSH (10.22)
- *7 p.m.—Soviet program: RAN HIKI
- *7:30 p.m.—English news from Italy: 2R03 IRF
- *7:40 p.m.—News summary: GSC GSD GSP
- *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: GSI
- 8:30 p.m.—Hawaii Calls: KKP (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.—Carnegie's large band: LHX
- *9:30 p.m.—Oriental program from India: VU12
- *10:30 p.m.—English news from Germany: DJB
- *11 p.m.—Horti dance orchestra: COCH
- *11:45 p.m. (ex. Sat.)—Program from South Africa: ZIKK ZHII
- *12 mid. (approximately)—Amateur Transmissions from Pitcairn Island: V16A (14.346)
- *12 mid.—Broadcast from Eden Concert cabaret: COCQ
- *1 a.m.—English DX program: XE1Z

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. Zeesen 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 Daventry 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 OER3 (11.70) anytime from 3 p.m. until W3XAL 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 8 to 8:30 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. . . ES5D (14.07), located at Tapa, Estonia, is being heard with fine signals between 1 and 2 a.m. EST. . . A number of listeners report LX1TW (14.02-14.44) in Luxembourg, between 1 and 4 a.m. EST. Reports on this amateur station should be sent under cover to Rseau Luxembourgeois, Grand Duchy of Luxembourg. . . OQ5AA (14.07), in the Belgian Congo, works WBJK 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 PITG (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.

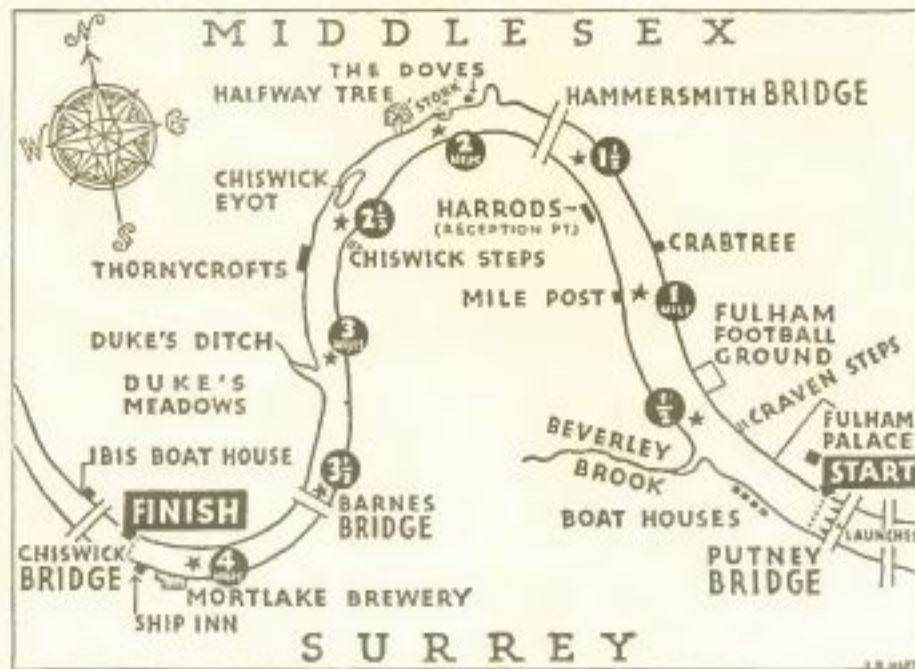
The revised schedule for LKJ1 (9.52) of Jeloy, Norway, as furnished by H. Brisset of Bezons, France, is as follows: Week-days, 4:30 to 10:30 a.m., and on Sundays, 2:30 to 10:30 a.m. EST. LKJ1 broadcasts on 6.13 mcys daily from 10:30 a.m. to 5 p.m. EST.

James Pratt of London, Ontario, Canada, writes that YDC (15.15), Bandoeng, 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 6:30 p.m. EST, a clock can be heard striking seven times (7 a.m. in Javs), and the remainder of the program consists of recordings which are very easy to identify.

Columbia Broadcasting System's Short-Wave Station W2XE has been transmitting a series of directional broadcasts to Egypt, to determine the feasibility of relayng CBS programs over regular Egyptian radio facilities.

XETA (11.76), "El Progenero 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. . . XEVI (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 a.m.—Program from Hong Kong: ZR1W3
- 8 a.m.—Siamese broadcast: H58PJ (19.02)
- 9:50 a.m.—Meeting of the Phoni Club: PHI
- 10 a.m.—Folklore Municipal Orchestra: GSO
- *10:30 a.m.—Vatican City broadcasts: HVJ
- 12:20 p.m.—Charles Brill's Orchestra: GSG
- *4:50 p.m.—Science news: W3XAL (16.04)
- *5 p.m.—American news cover: W2XAF (9.52) W2XAD (15.33)
- *6 p.m.—Monitor news: W3XAL (11.79)
- 6:30 p.m.—English program from Martinique: Radio Martinique (9.685)
- 7:30 p.m.—Hans Pfitzer, songs: DJB DJD
- *8 p.m.—North American program from Czechoslovakia: OLR3A
- 8 p.m.—Typical Orchestra: COGF
- 8:30 p.m.—Concert of light music: DJB DJD
- 9:15 p.m.—German Study Club: DJR DJD
- 9:30 p.m.—Special Broadcast for Kentucky: DJB
- *10:30 p.m.—News summary: GSC GSD

Tuesday, March 29

- 7:55 a.m.—Harry Engleman, pianist: GSF GSG
- 11:20 a.m.—Hungarian Gypsy Party: GSG GSI
- 4:20 p.m.—American Speaks: GSI GSF
- 5 p.m.—Conrad Hansen, pianist: DJB DJD
- 6 p.m.—Science in the news: W2XAD (15.33) W2XAF (9.52)
- *7 p.m.—Broadcast from Chile: CB1170
- *7:30 p.m.—Program from Belize, British Honduras: ZIK2
- *8 p.m.—Argentine music: Gavilan and Catania, guitar duo: COGF
- 8:15 p.m.—"Strolling on the Bottom of the Sea," Heberto Galeazzi: 2R03 IRF
- 9 p.m.—Popular classics: VV5RC
- 9:40 p.m.—A contest between sweet and white music: GSI GSI
- 11:30 p.m.—Salute to Latin America: W3XAL (16.06)

Wednesday, March 30

- 11:40 a.m.—"World Affairs," J. L. Brierty: GSG
- 12:20 p.m.—Carrill Gibbons and the Bay Friends
- 2:40 p.m.—Congress Dances: GSG GSP
- 5 p.m.—Variety music: DJB DJD
- 6:15 p.m.—"Views and News from Guatemala," Dr. Sharp: TGVA (9.685)
- 6:30 p.m.—English program from Martinique: Radio Martinique (9.685)
- 7 p.m.—Budget program: HAT4
- 7:30 p.m.—International Orchestra: LRX
- 8 p.m.—Latin American night: W3XAL (6.1)
- 8:30 p.m.—The Continentals: VV5RC
- 9:15 p.m.—Music and humor: DJB DJD
- 9:30 p.m.—North American program from Guatemala City: TGVA (9.685)
- 10:15 p.m.—Jeanne Guiler, songs: DJB DJD
- 10:50 p.m.—Vest pocket vaudeville: GSC GSD

Thursday, March 31

- 6 a.m.—Special DX Broadcast from Siam: H51M (14.07)
- 7:15 a.m.—Talk by the Empire Program Director: GSF GSG GSI
- 10:35 a.m.—H. M. Central Royal Air Force band: GSG GSI
- 1:20 p.m.—BBC Enquiry orchestra: GSG
- 4:35 p.m.—H. M. Irish Guard's band: GSD GSF
- 6 p.m.—Venezue walkies: DJB DJD
- 7:30 p.m.—Army songs: DJB DJD
- 8 p.m.—Recital of Spanish music: GSC GSD GSP
- 8:15 p.m.—Talk, "Goldonia, City of the Sky": 2R03 IRF
- 8:45 p.m.—Production of Fine Steeds: DJB DJD
- 10:15 p.m.—DX Chatter Box: WBXWJ (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: GSG GSI
- 2:30 p.m.—Broadcast Direct from Quebec: GSG GSP
- 4 p.m.—English news review: LSY (18.315) LRX
- 7 p.m.—Play, "The Bishop Dreams": GSC GSD
- 7:30 p.m.—English broadcast from Switzerland: IIBL (9.345)
- 8 p.m.—H. M. Welsh Guard's band: GSC GSD
- 8:15 p.m.—Home's Melodist Voice: 2R03 IRF
- 9 p.m.—Program for Latin America: W3XAL (11.79)
- 10 p.m.—"Canada, 1938": CFPC (6.005)
- 12:15 a.m.—DX Club: W8XK (6.14)

Saturday, April 2

- 6 a.m.—Special DX Broadcast from Siam: H51M (14.07)
- 8:30 a.m.—Oxford vs. Cambridge Boat Race: GSG GSI
- 9:55 a.m.—Stepleaching at Crowle: GSG GSI
- 10:40 a.m.—Motor Haring, The Coronation Trophy Race: GSG GSI
- 1:45 p.m.—Metropolitan opera: W3XAL (17.78) CMQ (9.74)
- 2:30 p.m.—In Town Tonight: GSG GSP
- 3 p.m.—"Palace of Varieties": GSG GSP
- 5 p.m.—Tourist hour: HPSA
- 7:30 p.m.—Fire to Rimini: LHX
- 9:30 p.m.—American Portraits: W2XAF (5.53)
- 10 p.m.—Opera: HAN4J
- 10:20 p.m.—London Jay: GSC GSD
- 11 p.m.—Northern Messenger; Messages to those in the Arctic: VESUN CHX

Log of Short-Wave Stations Whose Programs Are Listed

Table with columns for station call letters, frequency, and program name. Includes stations like CB1170 Chile, CTRD Canada, CRRX Cuba, etc.

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

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 reviews 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."

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 Moydrum, 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 Settlements, between 5.50 and 6.30 a.m. EST.

W2NE, international station of the Columbia Broadcasting System, has enlarged its program of short-wave broadcasts directed toward the Latin-American countries, effective immediately, and has also added a second commentator to its Spanish-speaking staff. Americo Lugo Romero of Santo Domingo will be the announcer on the Saturday and Sunday 6.45 to 7 p.m. news programs which have been added to the W2NE schedule. In addition he will be heard Wednesdays, from 7.45 to 8 p.m. EST, in a news program on cultural subjects, prominent people and matters of general interest. . . . W2NE is now broadcasting to South America on a frequency of 6.12 megs, daily from 11 p.m. to 12.30 a.m. in addition to the regular broadcasts on 11.83 megs daily from 6.30 to 11 p.m. EST.

John Larsen of Geneva, N. Y., reports that the new Mexican KEYU (9.6), is under HP5J, Panama City, Panama, most of the time. The station signs off at shortly after 11 p.m. EST, with two strokes on a soft-toned pong.

It seems the Arab listeners don't care for the broadcasts the British Broadcasting Corporation is transmitting to them daily from 12.17 to 1.15 p.m. EST, over its Daventry stations GSB (9.51) and GSP (15.31). The news bulletins are regarded by listeners as dull and the musical programs, mostly consisting of European music, are as unsuitable as a constant succession of Oriental music programs would be to British listeners. . . . In answer to many requests, the sound of "Big Ben" striking the hour in London may best be heard at present as follows: at 1 a.m. EST (6 a.m. GMT), over GSG, GSO and GSF; at 9 a.m. EST (2 p.m. GMT), over GSF, GSG and GSJ; at 11 a.m. EST (4 p.m. GMT), over GSG and GSF; at 4 p.m. EST (9 p.m. GMT), over GSG and GSP, and at 8 p.m. EST (1 a.m. GMT), over GSP, GSD and GSC. . . . GSI (15.26) was added to transmission 6, from Daventry, heard daily 9.20 to 11.30 p.m. EST on Saturday, March 19.

- 7:30 a.m.—Program from Lima Peru VP02
8:45 a.m.—Program from Hong Kong ZH05
8:55 a.m.—Various broadcasts: H-812 (15:52)
11:30 a.m.—Various City broadcasts: HV2
3 p.m.—"Star Gazing," Radiobiography of Anna Neagle: GSG GSP
14:50 p.m.—Sports news: W2NAI (6.04)
5 p.m.—Walt Disney's "Snow White and the Seven Dwarfs": GSD GSP
16 p.m.—The British news the week: W2NAI (11.79)
16:45 p.m. (ex. Sat.)—News in Spanish for South America: W2NE (11.87)
18 p.m.—North American program from Columbia: OLBRA or OLBRA
18 p.m.—Cajun: Nacombite—1936 Typical Cajun: C164
8:30 p.m.—News from 2802 IRF
9:15 p.m.—Geology study: JDB DJD
9:30 p.m.—Special Broadcast for the Mississippi Valley: DJB DJD
10:30 p.m.—News summary: GSD GSI

Tuesday, April 12

- 6:45 a.m.—Starlock Homes and the Adventure of the Silver Blaze: GSG GSG
7:30 a.m.—First-Hand Accounts by Passengers of War: J. R. Arkerley: GSG GSG GSG
10:15 a.m.—Historical Geology party: GSG GSG
1:20 p.m.—America Speaks: GSG GSG
6:15 p.m.—Play "Life on the German North Sea Islands": DJB DJD
11:30 p.m.—Broadcast from Chile: CB1170
11:30 p.m.—Program from Beirut British Broadcasting: ZH2
11:48 p.m.—Aeroline news—Gullion and Deane: HIR, HIR, HIR, HIR
10:15 p.m.—Bachian artists playing Beethoven music: DJB DJD
11 p.m.—Program from Tahiti: T06AA
11:30 p.m.—Radio in Latin America: W2NAI (6.06)

Wednesday, April 13

- 9 a.m.—Progress at the Empire Exhibition at Glasgow: GSG GSG GSI
10:15 a.m.—Entertainment feature, "Take Your Choice": GSG GSG GSI
11:40 a.m.—"World Affairs," Sir Malcolm Robertson: GSG GSG
2 p.m.—Lyric Drama, "Faust": GSG GSP
6 p.m.—Hymns: DJB DJD
6:40 p.m.—Gerardo's Orchestra: GSP GSI
7 p.m.—North American program from Holland: H-1 (9.59)
7:30 p.m.—International Orchestra: IRN
8:30 p.m.—The Continental: YV5BC
9:30 p.m.—North American program from Guatemala City: T6WA (9.05)
10 p.m.—A visit to Munich: DJB DJD

Thursday, April 14

- 9:20 a.m.—Non-stop radio show: PHH
11:20 a.m.—Matters of Moment: GSG GSF
2:45 p.m.—Travel in the British Empire: GSG GSP
6:15 p.m.—Popular music hour: DJB DJD
7 p.m.—Broadcast from Yugoslavia: YVA (6.11) DJP (13.55), IYC (10.29)
7:15 p.m.—"Moye's Fludde," miracle play of the Debaue of Noah, and his wife and sons: GSG GSD
7:30 p.m.—Concert from: DJB DJD
8:30 p.m.—Waltz hour: YV5BC
9:40 p.m.—BBC Empire orchestra: GSD GSI
10 p.m.—DN Charter-Boy: WENWJ (43)

Friday, April 15

- 9:35 a.m.—"Good Friday" talk: PHH
12:30 p.m.—Address by the Archbishop of Canterbury: GSG GSD
2 p.m.—"The Dream of Gerontius" (Elgar): BBC Choral Society and BBC Symphony Orchestra: GSG GSP
5:30 p.m.—Quiet evening entertainment: DJB DJD
6 p.m.—Special Orchestral Concert: DJB DJD
7:30 p.m.—Listeners' Mail Box: W2NAI (6.04)
7:45 p.m.—Stays of Italian star and radio: ZH03 IRF
8 p.m.—The Estereo String Quartet: GSG GSD
9 p.m.—Program for Latin America: W2NAI (11.79)
10 p.m.—Canada, 1938: CFCX (6.05)
10:15 p.m.—Technical tips for the radiolux: DJB DJD
12:15 a.m.—DN Club: WENK (6.14)

Saturday, April 16

- 8:45 a.m.—Panda opera quartet: PHH
1:30 p.m.—La Tova Tonight: GSG GSP
2 p.m.—Palace of Varieties: GSG GSP
4 p.m.—"Callie," all Stars Collectors: W2NAI (9.55) W2NAI (15.33)
5 p.m.—Song plus "Happiness without Peace": DJB DJD
7 p.m.—Gay records: DJB DJD
7:30 p.m.—Post-Lux Petrolia radio: DJB DJD
7:45 a.m.—Chester music: ZH03 IRF
8 p.m.—Cocktail musical program: W2NAI (6.11)
8:30 p.m.—Talk "Germany As We Saw It": DJB DJD
9:30 p.m.—American Portraits: W2NAI (9.55)
10 p.m.—Opera: OAN4
11 p.m.—Northern Messenger, messages to those in the Arctic: VP0DN

News Broadcasts

Daily—12.35 a.m., 1.13, 2.50, GSK GSF, GSI, GSO; 7.45, JDY; 8.30, GSG, GSB, GSH, GSI, GSO; 8.55, JZJ; 11, GSB, GSI, GSH, GSI; 12.20 p.m., GSB, GSI, GSH, GSI; 2.40, ZH03, 3.10, TPA3; 4.15, GSK, GSI, GSH, GSI; 4.30, OLBRA; 4.45, EAPAH; 6.05, JZJ, HP5A; 7, EAPAH HP5A, HAN RKT; 7.15, GSW; 7.30, EAJ43, EAR; 7.35, DJD; 7.40, GSB, GSC, GSD, GSI; 8.15, EAPAH, DJB, DJD; 10.30, GSB, GSC, GSD, GSI DJB, DJD; 10.45, CTRD, CRRX; 11.30, TPA4
Daily Except Sundays—8.20 a.m., V4311; Mon., Tues., Thurs., Fri.—9.45 p.m., OLBRA or OLBRA

Sunday, April 10

- 7 a.m.—Program from Daventry, Swatuna, JDY
8 a.m.—Various program from Germany: DJL
8 a.m.—International church: COCQ
8 a.m.—Overseas hour (South Seas): ZZJ
12.15 p.m.—Arabic hour: GSB GSI
12 p.m.—Danish program: GZF
13 p.m.—English news from France: TPA3 (11.85) (15.13)
4 p.m.—Test broadcasts from St. Kitts: VP2LO (6.38)
4:55 p.m.—Greetings to listeners: DJB DJD
5:15 p.m. (ex. Sat., Sun.)—News in Portuguese for Europe: W2NAI (11.78)
6 p.m.—Overseas program (Eastern South America): JZJ
6 p.m.—Polish program for North America: SPW (13.635), SPI (11.525)
6 p.m.—La Voz de Las Provincias: COCH
6 p.m.—Calema Crusellas network program: C16D
6:20 p.m.—Palm Sunday services from St. Paul: GSP GSD
7 p.m.—Brazil on the Air: PSB (10.22)
7 p.m.—Soviet program: HAN RKT
7:30 p.m.—Loyalist news from Madrid: EAR (9.43)
7:30 p.m.—English news from Italy: ZH03 IRF
7:40 p.m.—News summary from England: GSP GSD
8 p.m. (ex. Sat., Sun.)—Portuguese news for Brazil: W2NAI (17.78)
8:15 p.m.—English news from Germany: DJB DJD
8:45 p.m.—Portuguese news bulletin from Daventry: GSB
9 p.m.—Nationalist program for North America: Sabana (10.37)
9 p.m.—Carson's music band: LBN
9:30 p.m.—Oriental program from India: VUD2
10 p.m.—DN program: H11ARE (4.8)
10:30 p.m.—English news from Germany: DJB DJD
11 p.m.—Miami dance orchestra: COCH
11:45 p.m. (ex. Sat.)—Program from South Africa: ZH6 ZH3
1 a.m.—English DN period: XE07
2 a.m.—Amateur Transmissions from Pitcairn Island: V06AY (14.36)



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 TFJ

Log of Short-Wave Stations
Whose Programs Are Listed

Table listing short-wave stations with columns for call letters, frequency, and program type. Includes stations like CBI70, CJO, CUB, etc.

Short-wave programs of American stations are shown along with the regular listings beginning on page 17. 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—12:35 a.m., JZJ, 2:30, GSB, GSF, GSG, GSD, 7:45, JBY, 9:30, GSD, GSF, GSH, GSI, GSO, 8:55, JZJ, 11, GSD, GSF, GSG, GSH, ZRO4, 12:20 p.m., GSK, GNS, GSO, 7:40, ZRO3, 3:10, TPA3; 4:15, GSB, GSD, GSF, GSH, 4:30, OLR4A or OLR4B; 4:45, EA9AB; 6:05, JZJ, HPSA, J, EA9AB, HPSJ, RAN, RKL; 7:15, CSW; 7:30, EAN; 7:35, ZRO3, 7:40, GSB, GSC, GSH, GNP, 8:35, DJB, DJH; 9, EA9A; 10:30, GSB, GSC, GSH, GSI, DJH, DJI, 10:45, CJO, CJRX; 11:30, TPA4
Daily Except Sundays—8:20 a.m., YK3LH
Mon., Tues., Thurs., Fri.—9:45 p.m., OLR4A or OLR4B

Sunday, April 17

5 a.m.—Liverpool Cathedral services: GSF GSG
7 a.m.—Program from Daventry, Warwick: JDY
7:50 a.m.—Basilica Choir: PHL
8 a.m.—Variety program from Germany: DJL
8 a.m.—International church: COCH
8 a.m.—Overseas hour (South Seas): JZJ
9:50 a.m.—“Jubilate Deo,” by Aix-la-Chapelle Choir: PHL
10 a.m.—Play, “The Garden of the Tomb”: GSF GSG GSF
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
13 p.m.—English news from France: TPA3 (11.855) (15.13)
3:05 p.m.—Potpourri of Light Music from Vienna: GSF GSG
4 p.m.—Test broadcasts from St. Kitts: VP2LO (16.35)
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.—Easter Chimes: DJB DJD
6 p.m.—Overseas program (Eastern South America): JZJ
6 p.m.—Polish program for South America: SPW (13.635) SPD (11.535)
6 p.m.—“La Voz de Las Provincias”: COCH
6 p.m.—Cadena Cruselca network program: COCD
6:45 p.m.—Berlin Soloist Club: DJB DJD
7 p.m.—Brazil on the Air: PHL (10.22)
7 p.m.—Soviet program: RAN RKL
7:30 p.m.—Loyalist news from Madrid: EAR (9.483)
7:30 p.m.—News summary from Italy: ZRO3 IRF
7:40 p.m.—News from London: GSP GSD
8 p.m.—Easter Carols and Hymns: GSP GSD
8 p.m.—Easter cake: DJB DJD
8 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 bulletin 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 PHL (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, Tuesdays, 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 meg.

R. B. Oxender of State College, Penn., reports a new Dominican Station H13P (6.865), “Ecos del Isabel de Torres” in Puerto Plata, is being heard in the evenings. “La Voz de Lam,” Barquisimeto, Venezuela, using a call believed to be YV3RI, is being heard on a new channel of 9.578 meg. This station usually broadcasts on a frequency of 5.9 meg, with the call YV3RA... HJ2ABJ of Santa Marta, Colombia, is being heard on 4.78 meg at present; YV2RA, San Cristobal, Venezuela, on 5.745, and H17P, Trujillo City, D. R., on 6.763 meg. CSW, Lisbon, Portugal, has also been logged on a new frequency of 9.74 meg, 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 meg, 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 (11.795), 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 meg... 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 meg. 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-Ababa, 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 meg, 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.—Threaten program from India: VU02
- *10:30 p.m.—English news from Germany: DJB (14) (11.795)
- *11 p.m.—Mito-Race orchestra: COCH
- *11:45 p.m. (ex. Sat.)—Program from South Africa: ZBK ZRH
- *1 a.m.—English DX period: XE12
- Key to Symbols Used: *Daily; †Week Days; ‡Monday, Wednesday, Friday; §Monday, Thursday; ¶Monday, Tuesday, Thursday, Friday; **Tuesday, Thursday, Saturday.

Monday, April 18

- 15:30 a.m.—Program from Filer: VP02
- 18 a.m.—Program from Hong Kong: ZBW3
- 18 a.m.—Norway broadcast: HNSP (19.02)
- 19:30 a.m.—Valencia City broadcast: HJ3
- 3:40 p.m.—Drama “The Gang Smasher”: GSP
- 4:50 p.m.—Brazil news: W3XAL (11.78)
- 5:15 p.m.—Red Marley Open Freak Hill Climb for Motorcycles: GSF GSG GSD
- 16 p.m.—Monitor news: W3XAL (11.79)
- 16:45 (ex. Sat.)—News in Spanish for South America: W2X (11.870)
- 7:30 p.m.—Course in Modern Radio: W3XAL (6.04)
- 8 p.m.—North American program from Czechoslovakia: OLR4A or OLR4B
- 8 p.m.—Orchestra: Neopoldina, 1938, Typical Orchestra: COCF
- 8:45 p.m.—Easter Peace Message: OLR4A or OLR4B
- 9:15 p.m.—German Study Club: DJB DJD
- 10:50 p.m.—The Scottish Country: GSD GSC

Tuesday, April 19

- 9 a.m.—West Country program: GSF GSG GSD
- 10 a.m.—Pain source: PHL
- 2:10 p.m.—Ladies’ Individual Darts Championship: GSF GSG
- 3:20 p.m.—“America Speaks”: “American Labor,” William Green, speaking direct from the U. S.: GSP GSG
- 5 p.m.—The history of the potato: DJB DJD
- 6 p.m.—News in the army: W2XAD (15.33) W2XAF (9.53)
- 19:7 p.m.—Broadcast from Chile: CH170
- 19:30 p.m.—Program from Sibir, British Honduras: ZIR2
- 19:8 p.m.—Garcian and Catanera, guitar duo: COCF
- 9:15 p.m.—Selections from the operetta, “Boerens”: DJB DJD
- 11 p.m.—Program from Tahiti: F08AA

Wednesday, April 20

- 7:35 a.m.—Annals on Board Ship: GSF GSG GSD
- 11:40 a.m.—“World Affairs,” J. L. Briery: GSF
- 1:20 p.m.—“Dial Variety”: GSF GSD
- 2 p.m.—BBC Symphony Orchestra: GSG GSP
- 5 p.m.—The Happy Family Have Visitors from Overseas: DJB DJH
- 7 p.m.—North American program from Holland: PCJ (9.59)
- 7:30 p.m.—The Faber’s Birthday: DJB DJD
- 7:45 p.m.—Light music: ZRO3 IRF
- 8 p.m.—Fan mail: DJB DJD
- 8:30 p.m.—The Continentals: YV5RC
- 9:30 p.m.—North American program from Guatemala City: TGWA (9.685)

Thursday, April 21

- 9:20 a.m.—PHOH Cella Sereaders: PHL
- 10 a.m.—Walt Disney’s “Snow White and the Seven Dwarfs”: GSF GSG GSD
- 2:30 p.m.—Birmingham Philharmonic Siring Orchestra: GSF GSG
- 5 p.m.—Chinese pianist, Chin-Shin Yen: DJB
- 7 p.m.—Vinci Sextet: GSP GSD
- 7:30 p.m.—Music and songs from opera and operetta: DJB DJD
- 8 p.m.—“Rome’s Birthday”: ZRO3 IRF
- 8:30 p.m.—Waltz hour: YV5RC
- 9:40 p.m.—BBC Empire Orchestra: GSD GSC
- 10:45 p.m.—DX Chatter Box: W3XWJ (41)

Friday, April 22

- 9:05 a.m.—Revue: PHL
- 10:15 a.m.—Play, “The Boomerang Beam”: GSF
- 4 p.m.—English news review: L5Y (18.315) LBX
- 6 p.m.—Radio merry-go-round: DJB DJD
- 7:45 p.m.—Stars of Italian stage and radio: ZRO3 IRF
- 8 p.m.—Woman’s Page program: W3XAL (6.11)
- 8:30 p.m.—“The School at Home”: DJB DJD
- 9 p.m.—Program for Latin America: W3XAL (11.79)
- 9:30 p.m.—30 minutes of radio cabaret: DJB DJD
- 10 p.m.—Canada, 1938: FCN (16.005)
- 12:15 a.m.—DX Club: W3XK (6.14)

Saturday, April 23

- 9:40 a.m.—Dance music: PHL
- 11:25 a.m.—Billy Cotton’s band: GSF GSG GSD
- 1:30 p.m.—In Town Tonight: GSP GSG
- 2 p.m.—Dance Hall: GSF GSG
- 5:15 p.m.—Broadway Berlin’s Newest Underground Railway: DJB DJD
- 6:15 p.m.—Non stop variety show: DJB DJD
- 7:30 p.m.—Trot Quartet: DJB DJD
- 7:45 p.m.—Chamber music: ZRO3 IRF
- 8 p.m.—Cocktail musical program: W3XAL (6.11)
- 9:45 p.m.—Dance music: YV5RC
- 10:55 p.m.—Recital of Hebraic songs: GSD GSC
- 11 p.m.—Northern Messenger; messages to those in the Arctic: VESDN

5:30 a.m.—Program from Fiji: YPDZ
8:30 a.m.—Program from Hong Kong: ZHW3
8:30 a.m.—Siamese broadcast: UUSPU (19.02)
2 p.m.—"Monday Night at Seven": GSG GSD
3:30 p.m.—Act I and Act III of Opera "Hippolyte": GSP GSG
4:30 p.m. (ex. Sat.)—News: W2XAD (15.33)
W2XAF (9.53)
4:45 p.m.—Society news: W1XAL (11.79)
6:15 p.m.—Dresden String Quartet: DJB DJB
7:45 p.m. (ex. Sat.)—News in Portuguese for South America: W2XE (11.83)
7 p.m.—Monitor news: W1XAL (11.79)
7:55 p.m.—North American broadcast from Prague, Czechoslovakia: OLR5A or OLR5B
8:30 p.m.—Silesian home evening: DJB DJB
9 p.m.—"Coqute Neopoldino, 1938," typical orchestra: COGF
9:15 p.m.—"Prof. Hercules": ZHOM IRF
10:15 p.m.—German Study Club: DJB DJB
11 p.m.—Guatemalan program for North America: TGWA (9.685)
11:50 p.m.—"Escape," Captain D. Grinnell-Milne: G5I GSD

Tuesday, June 7

10:20 a.m.—The Aldershot Searchlight Tattoo: GSG GSG
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 GSG
8:20 p.m.—Serial, "The Gang Smasher": GSF
7:19 p.m.—Argentine music: COGF
7:45 p.m.—Program from Belier, British Honduras: ZIKZ
7:10 p.m.—Program from Costa Rica: T14NRH
10:20 p.m.—Talk, "The First Plane Across the Atlantic": GSI GSD
7:10 p.m.—Billie's Happy Boys Dance Orchestra: YV5RC
8:11 p.m.—Guatemalan National network hour: TGWA (9.685) TGQA (6.4) TG2 (6.2)

Wednesday, June 8

9 a.m.—Barrington Quartet: GSF GSG GSJ
12:40 p.m.—"World Affairs," Sir Malcolm Robertson: GSG GSD
3 p.m.—BBC Symphony Orchestra, Sir Adrian Boult, conductor: GSG GSP
6 p.m.—The Happy Family has a contest: DJB DJB
7 p.m.—Bass-viol and piano: DJB DJB
7:30 p.m.—English program from Martinique: Radio Martinique (9.655)
8 p.m.—Budapest program: HAT4
8:30 p.m.—International orchestra: LRLX
9:15 p.m.—Housa Jenius Wade: ZR04 IRF
10 p.m.—Music and stories of Latin America: W3NAL (6.1)
11:15 p.m.—Evening concert: DJB DJB

Thursday, June 9

5:45 a.m.—Trooping the Color in honor of the birthday of the King: GSF GSG GSJ
10:30 a.m.—Program for Latin women: W2XE (21.52)
12:35 p.m.—Luigi Vocelli and his Hungarian Orchestra: GSF GSG
2 p.m.—"The Singsong of H. M. S. Audacious," Charles Penzely: GSG GSD
6 p.m.—Light entertainment: DJB DJB
8 p.m.—Orchestra Muzette: LRLX
8:30 p.m.—Rafael Guzman's orchestra: YV5RC
9 p.m.—Hilde Menzes, violinist: GSG GSD
9:45 p.m.—A visit to a German furniture factory: DJB DJB
10:45 p.m.—DX chatterbox: WBXWJ (41)

Friday, June 10

6:25 a.m.—The first cricket test match: England vs. Australia: GSF GSG GSJ
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
12:30 p.m.—Commentary on the first cricket test match: England vs. Australia: GSG GSD
3:15 p.m.—London Music Festival: BBC Symphony Orchestra, conducted by Arturo Toscanini: GSG GSP
4:10 p.m.—Take Your Choice: GSG GSP
6 p.m.—"Sir John Falstaff": DJB DJB
7:45 p.m.—"Pathways to Peace": W1XAL (6.04)
8:15 p.m.—Concert orchestra: YV5RC
9 p.m.—Esso Hour: COCH (9.43)
9:30 p.m.—Popular Cuban melodies: YV5RC
10:30 p.m.—Military concert: DJB DJB
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 GSP
7 p.m.—Non-stop variety show: DJB DJB
8:30 p.m.—The glories of summer: DJB DJB
9 p.m.—The Hour of Costa Rica: T14NRH (6.41)
10:15 p.m.—Dance music: DJB DJB
12 mid.—Northern newscaster: messages to those in the Arctic: VE9ON

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

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 9:35 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 (6.384), 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 re-enact 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 8:25, 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.

EASAB, 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 (8.01) 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

Log of Short-Wave Stations Whose Programs Are Listed

Table with 5 columns: Station, Frequency, Power, Program, and other details. Includes stations like CJRO, CTRK, COCH, COCO, COCG, COGF, CSW, DJB, DJC, DJD, DJE, EAJ43, EAQ, EAR, EASAB, EASAH, EASA, GSA, GSB, GSC, GSD, GSF, GSH, GSI, GSP, GSO, GSP, HAT4, HDZ, HBI, HBS, HBSL, HSBP, HPSA, HPSJ, HREPF, IZF, JDY, JZJ, JZK, LRLX, OLR5A, OLR5B.

Short-wave programs of American stations are shown with the regular listings beginning on page 25. These are indicated, for example, by (15-11.87) 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, GSH, GSD, GSF, GSG, GSO; 8:45, JDY; 9:30, GSF, GSG, GSH, GSI; 9:55, JZK; 12 noon, GSD, GSF, GSG, GSH; 1:20 p.m., GSB, GSD, GSG; 3:10, TPA4; 5:15, GSH, GSP, GSF, GSO; 5:30, OLR3A; 5:45, EASAH; 7, HPSA; 7:05, JZJ; 8, EASAB, HPSA, HAN, SKI; 8:35, ZR04, IRF; 8:40, GSH, GSC, GSB, GSP, EAR; 9, EAJ43; 9:15, IZB, DJH; 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, June 5

8 a.m.—Overseas hour (Eastern U. S. A.): JZJ
8 a.m.—Program from Darien, Kwaztung: JDY
8:15 a.m.—Eugene Pini's tangos orchestra: GSF
9 a.m.—Variety program from Germany: DJL
9 a.m.—International church: COCQ
9 a.m.—Overseas hour (South Sea): JZK
10:20 a.m.—Falkman's Apache Band: GSF GSG
2:45 p.m.—League of Nations program: HBJ HBQ (6.675)
3 p.m.—Danish program: OZF
4:05 p.m.—"Songs of the British Isles": GSG
5 p.m.—Broadcast from St. Kitts: VP2LO (6.38)
5:15 p.m. (ex. Sat. & Sun.)—News in Portuguese for Europe: W1XAL (11.79)
5:55 p.m.—Greetings to listeners: DJB DJB
6 p.m.—Cuban organ music: COCO
6:15 p.m.—Organ music: DJB DJD
7 a.m.—Overseas program (Eastern North America): JZJ
7 p.m.—Polish program for North America: SPW (13.635) and SPD (11.535)
7 p.m.—"La Vox de Las Provincias": COCH
7 p.m.—Cadena Grueselas network program: COCO
7:45 p.m.—News in Spanish for South America: W2XE (11.83)
8 p.m.—"Brazil on the Air": PSH (10.22)
8 p.m.—Soviet program: RAN HKI
8:30 p.m.—English news from Italy: ZR04 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: TPBT
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: VUDZ
11 p.m.—English news from France: TPBT TPA4
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.

Table listing various short-wave stations, their call signs, frequencies, and programs. Includes stations like CFRD Canada, CFCB Cuba, CGCH China, etc.

Short-wave programs of American stations are shown along with the regular listings beginning on page 26. These are indicated, for example, by (N-11.87) in parentheses following a program listing. This means that an 11.87 megacycle station may also be heard over an American short-wave station. Please note that foreign stations do not always adhere to their announced program schedules.

News Broadcasts

Daily—1:35 a.m., JTK; 2:50, GSB, GSD, GSE, GSG, GSI; 3:45, JIJ; 9:30, GSF, GSG, GSH, GSI; 9:55, JJK; 12 noon, GSF, GSG, GSH, GSI, I:20 p.m., GSH, GSG, GSI; 3:10, TPA3; 5:15, GSB, GSE, GSG, GSD, GSI; 5:30, OLR3A or OLR3B; 5:45, E49AB; 7, HPSA; 7:05, JJK, JZL; 8, E49AH, HPSA, RAN, RKI, 8:35, IHF, 8RD; 8:40 GSB, GSD, GSG, GSI, GSF, IAR; 9, E49A3; 9:15, DJR, DJD, DJP; 10:45, CJRO, CJRN; 11, TPA4; 11:30, DJB, DJD, DJP, GSB, GSG, GSD, GSI. Daily except Sundays—9:20 a.m., VK3LH. Mon., Tues., Thurs., Fri.—9:50 p.m., OLR3A or OLR3B.

Sunday, August 14

8 a.m.—Overseas hour (Eastern U.S.A.), JTK. 9 a.m.—Overseas hour (south coast), JTK. 11 a.m.—Contemporary Composers, GSF GSG GSD 11:30 a.m.—America Abroad, W2XAF (215). 12:40 p.m.—H. M. Royal Horse Guards Band: GSF GSG GSD. 1:45 a.m.—Mariuska Band, TGWA (15:17). 2:40 p.m.—Iceland hour, TFJ. 5 p.m.—Broadcast from St. Kitts, VP2LO (5:35). 5:20 p.m.—War news in English from Spanish Morocco, E49AB. 6 p.m.—Devotional period, W1XAL (11:79). 7 p.m.—Overseas program (Eastern North America), JTK JJI. 7 p.m.—NH—Spanish news period: W1XAL (12:22). 7 p.m.—Portuguese program (North America): GSW3 (9:74). 7:30 p.m.—Hawaii Calls, KQH (14:92). 7:45 p.m.—CBS' Spanish news service, W2XE (11:83). 8 p.m.—League of Nations (U.S.A.), HHO (11:4). 8 p.m.—Soviet program (North America), RAN RKI. 8:10 p.m.—Chandler music of Mesopotamia: GSG. 8:30 p.m.—English news: 2H04 III. 8:40 p.m.—Loyalist news: EAR (9:58), EAQ. 8:45 p.m.—Opera, "Madame Butterfly": 2H04 IIF. 9 p.m.—Nationalist program (North America): Salamata (10:37). 9:15 p.m.—English news: DJB DJD DJP. 9:30 p.m.—Spanish news: GSB GSD. 9:45 p.m.—Portuguese news: GSB GSG. 10 p.m.—Program from Miami, Florida: W4XB (5:04). 10 p.m.—Friendship hour: HC3JB (14:42), HC2B (12:45). 10:20 p.m.—St. Paul's services: GSG GSI. 10:30 p.m.—Danish program (North America): OVF. 11 p.m.—Guatemalan program (North America): TGWA (9:55). 11:15 p.m.—Helena Zellinger, Brazilian pianist: DJB DJD DJP. 1:45 a.m.—"Japan in August," Chuo Sakurai: JJK. 2 a.m.—English DX period, XELU.

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.

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 meg, 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 OFE (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 meg. 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 Motola, Sweden. The Swedish short-wave stations operate regularly as follows: Over SM5SX (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 Motola, week-days 2:20 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 Motola, 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 week-days 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 meg, week-days from 11:30 to 11:45 a.m. EDT; on 6.03 meg, week-days from 3 to 3:15 p.m. EDT, and on 9.55 meg, Sundays only from 6 to 6:30 a.m. EDT.

Senor Cespedes Marin, owner of Short-Wave Station TI4NRH (9.695), 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 TI4NRH" 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.

PK8XX (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. PK8XX contacts Amateur Station W6NRR 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 meg.



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: PK8XX (14:02). 8:50 a.m.—London Philharmonic Orchestra: PHH. 9 a.m.—Program from Hong Kong: ZHWZ. 11:30 a.m.—Program from the Vatican: HVJ (15:12). 2:45 p.m.—Kings of the Keyboard, Eddie Carroll, piano: GSG GSI. 3:25 p.m.—Excerpts from the Prometheus Concert: BBC Symphony Orchestra, Sir Henry Wood, conductor: GSG GSI. 4:50 p.m.—American News Tower: W2XAF (15:33), W2XAF (9:53). 4:55 p.m.—U.S. Telegrams and science news: W1XAL (11:79). 4:58 p.m.—News in Portuguese for South America: W2XE (11:33). 4:59 p.m.—Monitor Views the News: W1XAL (11:79). 4:59 p.m.—North American papers from Guaymas: OLR3A or OLR3B. 8:30 p.m.—Music and poetry: DJB DJD DJP. 9 p.m.—Excerpts from Opera: GSG GSI. 9:45 p.m.—2H04's mail bag: 2H04 IIF. 11:10 p.m.—Technical tips for the radio fan: DJB DJD DJP.

Tuesday, August 16

8 a.m.—Tommy O'Hara, piano recital: GSF. 8:15 a.m.—Science and the Public: GSI GSG GSD. 3 p.m.—Play, "Job to be Done": GSG GSI. 4:30 p.m.—"Hunted by Kuch"—Commander O. Locker Lampton: GSG GSI. 7 p.m.—Lorena Herrera, singer: YV5HC. 7:35 p.m.—The London String Players: GSG GSP. 7:50 p.m.—Portuguese Musicale: W2XAF (9:55). 8:45 p.m.—Latin Symphonies: 2H04 IIF. 9:49 p.m.—Argentine music: guitar duo: LOGE. 11:45 p.m.—Program from Costa Rica: THN III. 10:20 p.m.—Opera: "Don Cesar": DJB DJD. 10:30 p.m.—Mail bag: OLR3A or OLR3B. 11:05 p.m.—Roy Thomas, organist: GSI GSD. 1:45 a.m.—Traveling in Ishi songs by Miss Yoshiko Takahashi: JJK.

Wednesday, August 17

7:05 a.m.—Light music from Sweden: GSF GSG. 12:40 p.m.—"World Affairs," Prof. A. P. Newton: GSG GSG GSI. 2 p.m.—World Affairs: GSG GSI. 3:30 p.m.—"Cremation Seat"—The story of a journey in the famous streambed train: GSG. 7:20 p.m.—"Topical Gazette": GSG GSI. 8 p.m.—Latin American Concert: W2XAF (9:53), W2XAF (9:55). 8:45 p.m.—Los Continentales Orchestra: YV5HC. 9:15 p.m.—Armed Irish with Music: 2H04 IIF. 10:20 p.m.—World Affairs: GSD GSI. 1:45 a.m.—Tokyo Municipal Primary School Children's Choir: JJK.

Thursday, August 18

9 a.m.—Yasha Kreis's Gypsy Orchestra: GSF. 11:15 a.m.—Drama "Steamboat": GSF GSG GSI. 2 p.m.—Mariuska's Benarabian Orchestra: GSG. 4:15 p.m.—"Famous Fusses"—Woman a 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 Bina, voice: W1XAL (12:78). 7:50 p.m.—Portuguese Musicale: W2XAF (9:55). 8:45 p.m.—Selections from Operas: 2H04 IIF. 9:45 p.m.—Earl Symphony Orchestra: OLR3A or OLR3B. 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 Broadcast: PHH. 1:50 p.m.—Reginald Porter Brown, organist: GSG. 3:20 p.m.—Excerpts from the Prometheus Concert, BBC Symphony Orchestra; Sir Henry Wood, conductor: GSG GSI. 3:45 p.m.—German mail bag: W1XAL (12:78). 4:45 p.m.—French mail bag: W1XAL (12:78). 5 p.m.—English news review: LSY (18:115), LIRA (9:59). 7:15 p.m.—Concert Orchestra: YV5HC. 7:45 p.m.—Eusebio Castellanos, pianist: YV5HC. 8:45 p.m.—Guest night: 2H04 IIF. 9:15 p.m.—Japan information series: JJK JZL. 9:45 p.m.—Talk "German Navigation": DJB DJD. 10:20 p.m.—Recital by English artists: 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 Remington Deal, London: GSG GSG GSI. 12 noon—Jack Hardy and His Little Orchestra: GSF GSG GSI. 4 p.m.—BBC Theatre Orchestra: GSG GSI. 6 p.m.—World news: W1XAL (11:79). 7 p.m.—Gay dance evening: DJB DJD DJP. 7:20 p.m.—The Scottish Country: GSG GSI. 9 p.m.—Program from Sweden for North America: SBP. 9:45 p.m.—"13th Century Music at Naples," Elizabeth Linn: 2H04 IIF. 9:50 p.m.—Alaha Land: W2XAF (9:53). 10:20 p.m.—Recital by English artists: GSD GSI. 11 p.m.—Opera: OAX4J. 12 mid.—Northern Messengers, messages to those in the Arctic: VE2DN.

Log of Short-Wave Stations

Whose Programs Are Listed

Table with columns for call letters, frequency, and program details. Includes stations like COCH, COCO, COCQ, etc.

Short-wave programs of American stations are shown along with the regular listings beginning on page 28.

News Broadcasts

Daily—1:35 a.m., JZK, 1:50, GSC, GSD, GSE, GSG, GSH, JBY, 9:30, GSF, GSG, GSH, GSI, 9:55, JZK, 12 noon, GSH, GSI, GSH, G-2, 2 p.m., GSD, GSG, GSI, 3:10, TPA3, 5:35, GSR, GSF, GSG, GSH, GSI, 5:30, OLRSA or OLRSH, 5:45, EAPAH, 7, 11:5A, 7:05, JZK, JZL, 5, EAPAH, 11:5A, RAN, HKI, 8:35, IRF, ZHU, 8:40, GSB, GSD, GSG, GSH, GSI, EAR, 5, EAPAH, 9:15, DJB, DJD, DJP, 10:45, CJB, CJBX, 11, TPA4, 11:30, DJB, DJD, DJP, GSB, GSD, GSI.

Sunday, September 4

8 a.m.—Broadcast from M. V. "Kamibia", 9MI
8 a.m.—Overseas hour (Eastern U.S.A.): JZK JZL
9 a.m.—Naval Review at Scheveningen; PCJ (15.22)
9 a.m.—Variety program: DML
9 a.m.—International church: COCQ
9 a.m.—Overseas hour (South Seas): JZK JZL
10:40 a.m.—"Unusually Yours, John Kerk"; GSE, GSG, GSI
12:10 p.m.—Symphony concert: DJB
1:45 p.m.—Big de Oro Mambo Band: TGBA (15.17)
2:45 p.m.—League of Nations program: IHM IHQ (6.675)
2:55 p.m.—Wesley Chapel services: GSG GSI
4:05 p.m.—Victorian Melodies: GSG GSI
5:20 p.m.—War news in English: EAPAH
7 p.m.—Overseas period (Eastern North America): JZK JZL
7 p.m.—Polish program (North America): SP19 SPW
7 p.m.—Cadena Cruzadas network program: COCQ COCQ
7 p.m.—Spanish news: W3XAL (17.78)
7 p.m.—Portuguese program (North America): CSW3 (9.74)
7 p.m.—Voice of Hawaii: KQH (14.92)
7:15 p.m.—Our Sunday Concert: DJB DJD
7:45 p.m.—Sunday news: W2NE (11.82)
8 p.m.—Portuguese news: W3XAL (17.78)
8 p.m.—El Salvadorian program: YSD
8 p.m.—Soviet program (North America): RAN HKI
8:30 p.m.—English news: ZHO4 IRF IQY
8:45 p.m.—Opera: ZHO4 IRF IQY
9 p.m.—Nationalist program (North America): Salamanca (10.37)
9:15 p.m.—English news: DJB DJD DJP
9:30 p.m.—Jamaica on the Air: HJ2S (5.925)
9:30 p.m.—North American broadcast: TPB7
9:30 p.m.—Spanish news: GSB GSD
9:45 p.m.—Portuguese news: GSB GSD
10 p.m.—Program from Miami, Florida: W3XB (6.04)
10:30 p.m.—Hawaii program (North America): OZF
12:45 a.m. (ex. Sat.)—Program from South Africa: ZRH ZRK
11:30 a.m.—Overseas hour (West Coast): JZK

Key to Symbols Used: *Daily; †Week Days; ‡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 Huisen, 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 Scheveninger" 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 "Oranjebat" in Krasnapolsky; 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 episode of the English flat-racing season, to be run on the Town Moor, Doncaster, will be broadcast from Daventry, England, over stations GSF, GSG and GSI, 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 ZHO4 (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 (25.65), will be testing soon.

SHORT-WAVE SHORTS: To his long list of remarkable receptions Ashley Walcott of San Francisco, California, has now added VHSU,

Salamaub Air Radio, in New Guinea, heard testing on 8.07, 6.54 and 2.6 megs, between 6:30 and 9 a.m. EDT. . . . "Radio Hanoi" (11.9), announcing as "let 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, 9.07, 17.83 and 21.57 megs. . . . G. T. Beyer of Chicago, Illinois, writes that EAJ43 (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 CN1AF (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 RKI (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.—Atchafalipi Expeditions of the American Museum of Natural History in Baffinland, New Guinea, contacts U. S. stations: PA5XX (14.02)
8:45 a.m.—Program from Hong Kong: ZHW3
8:45 a.m.—Swedish broadcast: HSBPJ (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 GSG GSI
11:30 a.m.—Program from the Vatican: HVJ (15.12)
15 p.m.—Broadcast from St. Kitts: VP1LO (6.304)
15 p.m. (ex. Sat.)—New York: W2XAF (15.33)
17:55 p.m.—North American program from Czechoslovakia: OLRSA or OLRSH
8:45 p.m.—Festival of Youth (with the children of St. Gaud): IHQ IHJ
9 p.m.—Brazil on the Air: PNH (10.22)
9:15 p.m.—Talk "Italian Customs": ZHO4 IRF
9:45 p.m.—2001: Mail Bag: ZHO4 IRF IQY
10:30 p.m.—Tribute Attraction: CXCW (9.835)

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 GSI
7:45 p.m.—The Mexican Vowes the News: W1XAL (11.79)
8 p.m.—Mail Bag: OLRSA or OLRSH
8:45 p.m.—Empire News: ZHO4 IRF IQY
9:19 p.m.—Argentine music: COGE
9:30 p.m.—Program from Costa Rica: TIANHII
9:30 p.m.—English program from Caracas, Venezuela: YV50B
10:20 a.m.—Central European Review of Affairs: OLRSA or OLRSH

Wednesday, September 7

8:05 a.m.—Youth Honors H. M. the Queen: PCJ (15.22)
8:50 a.m.—Flashes of the "Oranjebat," aviation festivals: PCJ (15.22)
10:05 a.m.—The St. Leger Race: GSI GSG GSD
12:40 p.m.—World Affairs: GSE GSG GSI
3 p.m.—Bach Concert: GSG GSI
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
9:19 p.m.—Program from Sweden: SBF
9:30 p.m.—Press review: DJB DJD DJP
10:20 p.m.—World Affairs: GSG GSI
11:50 p.m.—Harry Saville's Band: GSG GSI

Thursday, September 8

8:50 a.m.—Reports and Festal Music from Holland: PCJ (15.22)
10:40 a.m.—Launching of the new M. S. "Oranje" by H. M. the Queen: PCJ (15.22)
1:20 p.m.—The Hunwell Silver Band: GSG GSI
2:30 p.m.—BBC Men's Chorus: GSG GSI
3 p.m.—Promenade Concert: GSG GSI
4:05 p.m.—Jane Austen in the West: GSG GSI
6 p.m.—Variety hour: DJB DJD DJP
8 p.m.—Orchestra Mosaic: LRN
8:30 p.m.—Reich Party Convention 1938: DJB DJD DJP
8:45 p.m.—Selections from operas: ZHO4 IRF
9:15 p.m.—Roman Landmarks: ZHO4 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: LNY (18.115) LNY (9.69)
6:30 p.m.—Echoes from Lovers' Lane: DJB DJD DJP
7:20 p.m.—Background to Central Europe: GSG GSI
8:30 p.m.—Reich Party Convention 1938: DJB DJD DJP
8:45 p.m.—Guest night: ZHO4 IRF IQY
9 p.m.—The Esso Hour: COCI (9.43)
9:15 p.m.—"Home's Midnight Voice," Amy Bernard: ZHO4 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 GSI
5:45 p.m.—Drama, "Steamboat": GSG GSI
6 p.m.—Tourist hour: HPSA
7:20 p.m.—Empire Variety Theater: GSG GSI
8:30 p.m.—Reich Party Convention 1938: DJB DJD DJP
8:45 p.m.—ESAB String Quartet: ZHO4 IRF IQY
9:15 p.m.—Typical talk: ZHO4 IRF IQY
11 p.m.—Opera: DAXAJ
12 mid.—Northern Messenger, messages to those in the Arctic: VE2DS
1 a.m.—Hawaii Call: KQH (14.92)

Log of Short-Wave Stations Whose Programs Are Listed

Table with columns for station call letters, frequency, and location. Includes stations like COCH, CCOB, CCOG, COOF, CSW, etc.

Short-wave programs of American stations are shown along with the regular listings beginning on page 20. These are indicated, for example, by (S-11.87) in parentheses following a program listing.

News Broadcasts

- Daily—1:35 a.m. JZK; 2:50, GSH, GSD, GSG, GSI; 8:45, IDY; 9:30, GSE, GSG, GSH, GSI; 9:55, JZK; 12 noon, GNF, GSG, GSI, GSH; 2 p.m., GSD, GSG, GSI; 3:10, TPA3; 5:35, GSB, GNF, GSG, GSD, GSP; 5:50, OLR4A or OLR4B; 5:45, E9A11; 7, HPSA; 8, E9A11, HPSA, HAN, HNI; 8:35, HRF, IQY, ZR04; 8:40, GSB, GSD, GSG, GNF, GSH, GSP; 9, E9A13; 9:05, JZL; 9:15, DJB, DJD, DJP; 10:45, C100, C20X; 11, TPA4; 11:30, DJB, DJD, DJP, GSB, GSD, GSG, GNF, GSH.

Sunday, September 11

- 8 a.m.—Broadcast from N. Y. Kanimba: KMI
*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, JZD
*1:45 p.m.—Rio de Oro Marimba Band: TGWA (15.17)
2 p.m.—RCA Music Key—(OBZ 19.05) COCX (11.74)
2:40 p.m.—Iceland hour: TFJ
5:20 p.m.—War news in English: E9A11
*7 p.m.—Polish program (North America): SPW, SPD, SP19, SP25
*7 p.m.—Cadena Crisolis network program: COCO, COCQ
*7 p.m.—Spanish news: W3AL (17.78)
*7 p.m.—Portuguese program (North America): CSW3 (9.74)
*7:45 p.m.—Spanish news: W2NE (11.83)
*8 p.m.—Portuguese news: W3AL (17.78)
*8 p.m.—El Salvadorian program: YSD
*8 p.m.—Soviet program (North America): RAN, HNI
8:15 p.m.—MIAMI program (North America): PCJ (9.59)
8:30 p.m.—Reich Party Convention 1938: DJB, DJD, DJP
*8:30 p.m.—English news: ZR04, IRF, IQY
8:45 p.m.—Opera, "Il Trovatore": ZR04, IRF, IQY
9 p.m.—Florence Austral, Australian opera star: GSG, GSP
*9 p.m.—Overseas hour (Eastern America): JZL
*9 p.m.—Nationalist program (North America): Sulamaca (10.37)
*9:15 p.m.—English news: DJB, DJD, DJP
*9:30 p.m.—Jamaica on the Air: HH2S (5.925)
*9:30 p.m.—North American broadcast: TPB7
*9:30 p.m.—Spanish news: GSB, GSI
*9:45 p.m.—Portuguese news: GSB, GSD
*10 p.m.—Program from Miami, Florida: W4XB (16.04)
10 p.m.—Friendship hour: HC12H (14.42), HC1B (12.45)
*10:30 p.m.—Danish program: OZF
*12:45 a.m. (ex. Sat.)—Program from South Africa: ZHR, ZHU
*1:30 a.m.—Overseas hour (West Coast): JZK
*2 a.m.—English DX period: NEVZ

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

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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 two new Polish Stations SP19 (15.12), and SP25 (11.74), are now broadcasting nightly from 7 to 10 p.m. EDT, in parallel with SPW (13.635) 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 15.195 megs that is heard best from 5 to 5:30 p.m. EDT, is Ankara, Turkey. Reception from this far-away point steadily improves until DJB (15.2) puts its powerful carrier on the air at 5:30 p.m. EDT, thus completely blotting out the Ottoman transmitter.

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-

sons 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 CN1AF (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 megs, whose announcements are in Spanish, and which signs off at 9:30 p.m. EDT, with the German National Anthem, queries Clarence Hartzell of Jeanette, 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 9.67 megs, 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 megs, 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 Plimpton 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 trails 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.

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: HNSPT (19.02)
11:30 a.m.—Program from the Vatican: IRV (15.12)
2:45 p.m.—"Kings of the Keyboard," Arthur Sanders: GSG, GSI
3:15 p.m.—"Wagner," BBC Symphony Orchestra, conducted by Sir Henry Wood: GSG, GSI
9:5 p.m.—Broadcast from St. Kitts: VP2LA (6.395)
9:5 p.m. (ex. Sat.)—News: W2XAD (15.33), W2XAF (9.53)
6 p.m.—Variety music: DJB, DJD
7:45 p.m.—German Study Club: DJB, DJD
*7:55 p.m.—North American program: OLR5A or OLR5B
8:30 a.m.—Reich Party Convention 1938: DJB, DJD, DJP
8:45 p.m.—Variety program: HPSA, HBI
9 a.m.—"Brand on the Air": PSH (19.22)
9:15 p.m.—Talk, "My Roman Garden": ZR04, IRF, IQY
9:45 p.m.—ZRO's Mid Day: ZR04, IRF, IQY
10:05 p.m.—Play, "Man from Outside": GSG, GSI
*10:30 p.m.—Teatime Attraction: LDCM (9.855)
11 p.m.—Guatemala program: TGWA (9.655)

Tuesday, September 13

- 7:15 a.m.—Mr. Fortune and the Case of the Missing Kitten: GNF, GSG, GSI
3:30 p.m.—Landscape Night: GSG, GSI
*7:6 p.m.—The Monitor Views the News: W1XAL (11.79)
7:20 p.m.—"Topics of the Day," Stephen King-Hall: GSG, GSI
8 p.m.—Mail Bag: OLR5A or OLR5B
8:45 p.m.—Empire News: ZR04, IRF, IQY
*9 p.m.—Argentine music: YVGF
*9:45 p.m.—Program from Costa Rica: TI4NIII
9:30 p.m.—English program: YV5RR
10:20 p.m.—Central European Review of Affairs: OLR5A or OLR5B

Wednesday, September 14

- 7:15 a.m.—Light Music from Sweden: GNF, GSG, GSI
12:40 p.m.—"World Affairs," Sir Malcolm Robertson: GSF, GSG, GSI
2:30 p.m.—Mark Hambourg, pianist: GSG, GSI
3 p.m.—Roy Fox and His Band: GSG, GSI
7:20 p.m.—Empire exchange talks: GSG, GSI
8 p.m.—Biological program: HNT4
8:45 p.m.—Around Italy with Muz: ZR04, IRF, IQY
8:45 p.m.—Program from Sweden: SDP
9:15 p.m.—Light music: ZR04, IRF, IQY
9:30 p.m.—Press review: DJB, DJD, DJP
10:15 p.m.—Request concert: DJB, 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 Cossack Choir: DJB, DJD, DJP
7 p.m.—Light music: DJB, DJD
7:20 p.m.—Chamber music of Bratislava: GSG, GSI
8:10 p.m.—Technical tips for the radio fans: DJB, DJD, DJP
8:25 p.m.—Haunting harmonies: GSG, GSI
9:15 p.m.—Talk, "The Life and Works of Giuseppe Bellini": ZR04, IRF, IQY
9:45 p.m.—Talk, "Narrations of the Indo-Germanic Peoples": DJB, DJD, DJP
10:15 p.m.—Reservoirs of lively legends: DJB, 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: LSY (18.115), LRA (9.69)
7:20 p.m.—"Background to Central Europe: Bulgaria," Talk by Lady Muir: GSG, GSI
8 p.m.—German poets: DJB, DJD, DJP
8:45 p.m.—Guest night: ZR04, IRF, IQY
9 p.m.—Esso hour: COCH (9.43)
9:15 p.m.—Bane's Midnight Voice: ZR04, IRF, IQY
9:45 p.m.—German Navigation: DJB, 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 Ballroom: GSG, GSI
6 p.m.—Violin music: DJB, DJD, DJP
6 p.m.—Youst hour: HPSA
7 p.m.—Weekend networks: DJB, DJD, DJP
8:30 p.m.—Harry Roy's Band: CXAS (9.64)
8:45 p.m.—Chamber music: ZR04, IRF, IQY
9 p.m.—Rafael Gonzalez's Orchestra: YV5BC
9 p.m.—The Hour of Costa Rica: TPB (6.41)
9:15 p.m.—18th Century Music: ZR04, IRF, IQY
9:30 p.m.—Alaha Land: W2XAD (9.55)
9:30 p.m.—From the Ukrainian Dance Suite by Hans Bolleman: DJB, DJD, DJP
10:30 p.m.—Radio De: GSG, GSI
11 p.m.—Opera: OAX41
12 mid.—Northern Messenger: YESUN
1 a.m.—Hawaii Calls: KQH (14.92)



Hlubi, pure-blooded Zulu, once worked in Kimberley diamond mines. Now he's entertaining BBC listeners with the m'bira—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)

COCH, Cuba	9.42	OLRBA, Canada	8.84
COCO, "	9.92	OLRAB, "	11.84
COCA, "	9.73	OLRAC, "	11.74
COCT, "	11.09	OLRAD, "	11.74
OSW, Portugal	8.74	OLRAE, "	15.45
CKAB, Uruguay	8.81	OLRAH, "	15.22
DJR, Germany	15.89	OLRAG, "	8.55
DJC, "	9.56	OLRAI, "	15.82
DJD, "	11.77	OLRAJ, "	17.75
DJL, "	15.11	OLRAK, "	8.55
DJP, "	11.55	OLRAL, "	8.55
EJ43, Caracas	15.27	OLRAM, "	15.05
EAQ, Spain	9.55	OLRAN, "	15.05
EAX, "	9.48	OLRAO, "	9.55
EAPX, Spanish		OLRAP, "	11.75
Maracaibo	14.95	OLRAQ, "	11.84
YF5AA, Tahiti	7.11	OLRAS, "	15.84
OSL, England	8.60	OLRAT, "	15.12
OSK, "	8.81	OLRAU, "	17.74
OSL, "	8.55	OLRAV, "	15.85
OSD, "	11.75	OLRAW, "	8.90
OSE, "	11.85	OLRAX, "	15.81
OSF, "	15.14	OLRAY, "	11.85
OSG, "	17.79	OLRAZ, "	11.71
OSH, "	81.47	OLRAA, "	11.85
OSI, "	15.95	OLRAB, "	8.55
OSJ, "	81.44	OLRAC, "	9.55
OSK, "	8.11	OLRAD, "	9.51
OSL, "	15.18	OLRAE, "	8.55
OSM, "	15.21	OLRAH, "	9.51
HAT4, Hungary	9.19	OLRAI, "	9.51
HBI, Switzerland	14.55	OLRAJ, "	9.51
HBC, "	8.54	OLRAK, "	9.51
HBD, "	11.49	OLRAL, "	15.15
HBP, "	7.19	OLRAM, "	15.15
HBTAB, Colombia	9.00	OLRAN, "	15.15
HP4A, Panama	8.15	OLRAO, "	8.15
HP4J, "	8.68	OLRAP, "	8.15
HP4K, "	8.68	OLRAQ, "	8.15
HP4L, "	8.68	OLRAS, "	8.15
HP4M, "	8.68	OLRAT, "	8.15
HP4N, "	8.68	OLRAU, "	8.15
HP4O, "	8.68	OLRAV, "	8.15
HP4P, "	8.68	OLRAW, "	8.15
HP4Q, "	8.68	OLRAX, "	8.15
HP4R, "	8.68	OLRAY, "	8.15
HP4S, "	8.68	OLRAZ, "	8.15
HP4T, "	8.68	OLRAA, "	8.15
HP4U, "	8.68	OLRAB, "	8.15
HP4V, "	8.68	OLRAC, "	8.15
HP4W, "	8.68	OLRAD, "	8.15
HP4X, "	8.68	OLRAE, "	8.15
HP4Y, "	8.68	OLRAH, "	8.15
HP4Z, "	8.68	OLRAI, "	8.15
HP4AA, "	8.68	OLRAJ, "	8.15
HP4AB, "	8.68	OLRAK, "	8.15
HP4AC, "	8.68	OLRAL, "	8.15
HP4AD, "	8.68	OLRAM, "	8.15
HP4AE, "	8.68	OLRAN, "	8.15
HP4AF, "	8.68	OLRAO, "	8.15
HP4AG, "	8.68	OLRAP, "	8.15
HP4AH, "	8.68	OLRAQ, "	8.15
HP4AI, "	8.68	OLRAS, "	8.15
HP4AJ, "	8.68	OLRAT, "	8.15
HP4AK, "	8.68	OLRAU, "	8.15
HP4AL, "	8.68	OLRAV, "	8.15
HP4AM, "	8.68	OLRAW, "	8.15
HP4AN, "	8.68	OLRAX, "	8.15
HP4AO, "	8.68	OLRAY, "	8.15
HP4AP, "	8.68	OLRAZ, "	8.15
HP4AQ, "	8.68	OLRAA, "	8.15
HP4AR, "	8.68	OLRAB, "	8.15
HP4AS, "	8.68	OLRAC, "	8.15
HP4AT, "	8.68	OLRAD, "	8.15
HP4AU, "	8.68	OLRAE, "	8.15
HP4AV, "	8.68	OLRAH, "	8.15
HP4AW, "	8.68	OLRAI, "	8.15
HP4AX, "	8.68	OLRAJ, "	8.15
HP4AY, "	8.68	OLRAK, "	8.15
HP4AZ, "	8.68	OLRAL, "	8.15
HP4BA, "	8.68	OLRAM, "	8.15
HP4BB, "	8.68	OLRAN, "	8.15
HP4BC, "	8.68	OLRAO, "	8.15
HP4BD, "	8.68	OLRAP, "	8.15
HP4BE, "	8.68	OLRAQ, "	8.15
HP4BF, "	8.68	OLRAS, "	8.15
HP4BG, "	8.68	OLRAT, "	8.15
HP4BH, "	8.68	OLRAU, "	8.15
HP4BI, "	8.68	OLRAV, "	8.15
HP4BJ, "	8.68	OLRAW, "	8.15
HP4BK, "	8.68	OLRAX, "	8.15
HP4BL, "	8.68	OLRAY, "	8.15
HP4BM, "	8.68	OLRAZ, "	8.15
HP4BN, "	8.68	OLRAA, "	8.15
HP4BO, "	8.68	OLRAB, "	8.15
HP4BP, "	8.68	OLRAC, "	8.15
HP4BQ, "	8.68	OLRAD, "	8.15
HP4BR, "	8.68	OLRAE, "	8.15
HP4BS, "	8.68	OLRAH, "	8.15
HP4BT, "	8.68	OLRAI, "	8.15
HP4BU, "	8.68	OLRAJ, "	8.15
HP4BV, "	8.68	OLRAK, "	8.15
HP4BW, "	8.68	OLRAL, "	8.15
HP4BX, "	8.68	OLRAM, "	8.15
HP4BY, "	8.68	OLRAN, "	8.15
HP4BZ, "	8.68	OLRAO, "	8.15
HP4CA, "	8.68	OLRAP, "	8.15
HP4CB, "	8.68	OLRAQ, "	8.15
HP4CC, "	8.68	OLRAS, "	8.15
HP4CD, "	8.68	OLRAT, "	8.15
HP4CE, "	8.68	OLRAU, "	8.15
HP4CF, "	8.68	OLRAV, "	8.15
HP4CG, "	8.68	OLRAW, "	8.15
HP4CH, "	8.68	OLRAX, "	8.15
HP4CI, "	8.68	OLRAY, "	8.15
HP4CJ, "	8.68	OLRAZ, "	8.15
HP4CK, "	8.68	OLRAA, "	8.15
HP4CL, "	8.68	OLRAB, "	8.15
HP4CM, "	8.68	OLRAC, "	8.15
HP4CN, "	8.68	OLRAD, "	8.15
HP4CO, "	8.68	OLRAE, "	8.15
HP4CP, "	8.68	OLRAH, "	8.15
HP4CQ, "	8.68	OLRAI, "	8.15
HP4CR, "	8.68	OLRAJ, "	8.15
HP4CS, "	8.68	OLRAK, "	8.15
HP4CT, "	8.68	OLRAL, "	8.15
HP4CU, "	8.68	OLRAM, "	8.15
HP4CV, "	8.68	OLRAN, "	8.15
HP4CW, "	8.68	OLRAO, "	8.15
HP4CX, "	8.68	OLRAP, "	8.15
HP4CY, "	8.68	OLRAQ, "	8.15
HP4CZ, "	8.68	OLRAS, "	8.15
HP4DA, "	8.68	OLRAT, "	8.15
HP4DB, "	8.68	OLRAU, "	8.15
HP4DC, "	8.68	OLRAV, "	8.15
HP4DD, "	8.68	OLRAW, "	8.15
HP4DE, "	8.68	OLRAX, "	8.15
HP4DF, "	8.68	OLRAY, "	8.15
HP4DG, "	8.68	OLRAZ, "	8.15
HP4DH, "	8.68	OLRAA, "	8.15
HP4DI, "	8.68	OLRAB, "	8.15
HP4DJ, "	8.68	OLRAC, "	8.15
HP4DK, "	8.68	OLRAD, "	8.15
HP4DL, "	8.68	OLRAE, "	8.15
HP4DM, "	8.68	OLRAH, "	8.15
HP4DN, "	8.68	OLRAI, "	8.15
HP4DO, "	8.68	OLRAJ, "	8.15
HP4DP, "	8.68	OLRAK, "	8.15
HP4DQ, "	8.68	OLRAL, "	8.15
HP4DR, "	8.68	OLRAM, "	8.15
HP4DS, "	8.68	OLRAN, "	8.15
HP4DT, "	8.68	OLRAO, "	8.15
HP4DU, "	8.68	OLRAP, "	8.15
HP4DV, "	8.68	OLRAQ, "	8.15
HP4DW, "	8.68	OLRAS, "	8.15
HP4DX, "	8.68	OLRAT, "	8.15
HP4DY, "	8.68	OLRAU, "	8.15
HP4DZ, "	8.68	OLRAV, "	8.15
HP4EA, "	8.68	OLRAW, "	8.15
HP4EB, "	8.68	OLRAX, "	8.15
HP4EC, "	8.68	OLRAY, "	8.15
HP4ED, "	8.68	OLRAZ, "	8.15
HP4EE, "	8.68	OLRAA, "	8.15
HP4EF, "	8.68	OLRAB, "	8.15
HP4EG, "	8.68	OLRAC, "	8.15
HP4EH, "	8.68	OLRAD, "	8.15
HP4EI, "	8.68	OLRAE, "	8.15
HP4EJ, "	8.68	OLRAH, "	8.15
HP4EK, "	8.68	OLRAI, "	8.15
HP4EL, "	8.68	OLRAJ, "	8.15
HP4EM, "	8.68	OLRAK, "	8.15
HP4EN, "	8.68	OLRAL, "	8.15
HP4EO, "	8.68	OLRAM, "	8.15
HP4EP, "	8.68	OLRAN, "	8.15
HP4EQ, "	8.68	OLRAO, "	8.15
HP4ER, "	8.68	OLRAP, "	8.15
HP4ES, "	8.68	OLRAQ, "	8.15
HP4ET, "	8.68	OLRAS, "	8.15
HP4EU, "	8.68	OLRAT, "	8.15
HP4EV, "	8.68	OLRAU, "	8.15
HP4EW, "	8.68	OLRAV, "	8.15
HP4EX, "	8.68	OLRAW, "	8.15
HP4EY, "	8.68	OLRAX, "	8.15
HP4EZ, "	8.68	OLRAY, "	8.15
HP4FA, "	8.68	OLRAZ, "	8.15
HP4FB, "	8.68	OLRAA, "	8.15
HP4FC, "	8.68	OLRAB, "	8.15
HP4FD, "	8.68	OLRAC, "	8.15
HP4FE, "	8.68	OLRAD, "	8.15
HP4FF, "	8.68	OLRAE, "	8.15
HP4FG, "	8.68	OLRAH, "	8.15
HP4FH, "	8.68	OLRAI, "	8.15
HP4FI, "	8.68	OLRAJ, "	8.15
HP4FJ, "	8.68	OLRAK, "	8.15
HP4FK, "	8.68	OLRAL, "	8.15
HP4FL, "	8.68	OLRAM, "	8.15
HP4FM, "	8.68	OLRAN, "	8.15
HP4FN, "	8.68	OLRAO, "	8.15
HP4FO, "	8.68	OLRAP, "	8.15
HP4FP, "	8.68	OLRAQ, "	8.15
HP4FQ, "	8.68	OLRAS, "	8.15
HP4FR, "	8.68	OLRAT, "	8.15
HP4FS, "	8.68	OLRAU, "	8.15
HP4FT, "	8.68	OLRAV, "	8.15
HP4FU, "	8.68	OLRAW, "	8.15
HP4FV, "	8.68	OLRAX, "	8.15
HP4FW, "	8.68	OLRAY, "	8.15
HP4FX, "	8.68	OLRAZ, "	8.15
HP4FY, "	8.68	OLRAA, "	8.15
HP4FZ, "	8.68	OLRAB, "	8.15
HP4GA, "	8.68	OLRAC, "	8.15
HP4GB, "	8.68	OLRAD, "	8.15
HP4GC, "	8.68	OLRAE, "	8.15
HP4GD, "	8.68	OLRAH, "	8.15
HP4GE, "	8.68	OLRAI, "	8.15
HP4GF, "	8.68	OLRAJ, "	8.15
HP4GG, "	8.68	OLRAK, "	8.15
HP4GH, "	8.68	OLRAL, "	8.15
HP4GI, "	8.68	OLRAM, "	8.15
HP4GJ, "	8.68	OLRAN, "	8.15
HP4GK, "	8.68	OLRAO, "	8.15
HP4GL, "	8.68	OLRAP, "	8.15
HP4GM, "	8.68	OLRAQ, "	8.15
HP4GN, "	8.68	OLRAS, "	8.15
HP4GO, "	8.68	OLRAT, "	8.15
HP4GP, "	8.68	OLRAU, "	8.15
HP4GQ, "	8.68	OLRAV, "	8.15
HP4GR, "	8.68	OLRAW, "	8.15
HP4GS, "	8.68	OLRAX, "	8.15
HP4GT, "	8.68	OLRAY, "	8.15
HP4GU, "	8.68	OLRAZ, "	8.15
HP4GV, "	8.68	OLRAA, "	8.15
HP4GW, "	8.68	OLRAB, "	8.15
HP4GX, "	8.68	OLRAC, "	8.15
HP4GY, "	8.68	OLRAD, "	8.15
HP4GZ, "	8.68	OLRAE, "	8.15
HP4HA, "	8.68	OLRAH, "	8.15
HP4HB, "	8.68	OLRAI, "	8.15
HP4HC, "	8.68	OLRAJ, "	8.15
HP4HD, "	8.68	OLRAK, "	8.15
HP4HE, "	8.68	OLRAL, "	8.15
HP4HF, "	8.68	OLRAM, "	8.15
HP4HG, "	8.68	OLRAN, "	8.15
HP4HH, "	8.68	OLRAO, "	8.15
HP4HI, "	8.68	OLRAP, "	8.15
HP4HJ, "	8.68	OLRAQ, "	8.15
HP4HK, "	8.68	OLRAS, "	8.15
HP4HL, "	8.68	OLRAT, "	8.15
HP4HM, "	8.68	OLRAU, "	8.15
HP4HN, "	8.68	OLRAV, "	8.15
HP4HO, "	8.68	OLRAW, "	8.15
HP4HP, "	8.68	OLRAX, "	8.15
HP4HQ, "	8.68	OLRAY, "	8.15
HP4HR, "	8.68	OLRAZ, "	8.15
HP4HS, "	8.68	OLRAA, "	8.15
HP4HT, "	8.68	OLRAB, "	8.15
HP4HU, "	8.68	OLRAC, "	8.15
HP4HV, "	8.68	OLRAD, "	8.15
HP4HW, "	8.68	OLRAE, "	8.15
HP4HX, "	8.68	OLRAH, "	8.15
HP4HY, "	8.68	OLRAI, "	8.15
HP4HZ, "	8.68	OLRAJ, "	8.15
HP4IA, "	8.68	OLRAK, "	8.15
HP4IB, "	8.68	OLRAL, "	8.15
HP4IC, "	8.68	OLRAM, "	8.15
HP4ID, "	8.68	OLRAN, "	8.15
HP4IE, "	8.68	OLRAO, "	8.15
HP4IF, "	8.68	OLRAP, "	8.15
HP4IG, "	8.68	OLRAQ, "	8.15
HP4IH, "	8.68	OLRAS, "	8.15
HP4II, "	8.68	OLRAT, "	8.15
HP4IJ, "	8.68	OLRAU, "	8.15
HP4IK, "	8.68	OLRAV, "	8.15
HP4IL, "	8.68	OLRAW, "	8.15
HP4IM, "	8.68	OLRAX, "	8.15
HP4IN, "	8.68	OLRAY, "	8.15
HP4IO, "	8.68	OLRAZ, "	8.15
HP4IP, "	8.68	OLRAA, "	8.15
HP4IQ, "	8.68	OLRAB, "	8.15
HP4IR, "	8.68	OLRAC, "	8.15
HP4IS, "	8.68	OLRAD, "	8.15
HP4IT, "	8.68	OLRAE, "	8.15
HP4IU, "	8.68	OLRAH, "	8.15
HP4IV, "	8.68	OLRAI, "	8.15
HP4IW, "	8.68	OLRAJ, "	8.15
HP4IX, "	8.68	OLRAK, "	8.15
HP4IY, "	8.68	OLRAL, "	8.15
HP4IZ, "	8.68	OLRAM, "	8.15
HP4JA, "	8.68	OLRAN, "	8.15
HP4JB, "	8.68	OLRAO, "	8.15
HP4JC, "	8.68	OLRAP, "	8.15
HP4JD, "	8.68	OLRAQ, "	8.15
HP4JE, "	8.68	OLRAS, "	8.15
HP4JF, "	8.68	OLRAT, "	8.15
HP4JG, "	8.68	OLRAU, "	8.15
HP4JH, "	8.68	OLRAV, "	8.15
HP4JI, "	8.68	OLRAW, "	8.15
HP4JJ, "	8.68	OLRAX, "	8.15
HP4JK, "	8.68	OLRAY, "	8.15
HP4JL, "	8.68	OLRAZ, "	8.15
HP4JM, "	8.68	OLRAA, "	8.15

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

COCH, Cuba	9.43	JZK, Japan	16.10
COCQ, "	7.720	OLR3A, Cereha-	
COOP, "	11.800	slavakia	9.35
CSW, Portugal	8.74	OLR4A, "	11.84
CKAS, Uruguay	9.64	OLR4B, "	11.76
DJB, Germany	15.20	OLR5A, "	15.22
DJC, "	8.82	OLR5B, "	15.22
DJD, "	11.77	OZF, Denmark	9.62
DJL, "	15.11	PCJ, Holland	9.69, 15.22
DJO, "	11.790	PHI, "	17.75
DJP, "	11.855	RAN, U.S.S.R.	8.40
EAJ43, Canarias	10.37	REI, "	10.00
EAQ, Spain	9.855	RNE, "	12.00
EAL, "	9.49	RY6, "	6.00
EASAH, Spanish		SBP, Sweden	11.705
Merocoo	14.80	SFD, Poland	11.03
FOAAA, Tahiti	7.11	SPW, "	13.04
GSA, England	6.05	SP19, "	13.18
GSD, "	9.31	SP25, "	11.74
GSO, "	9.38	TFJ, Iceland	18.23
GSD, "	11.75	TOWA, Guatemala	9.685
GSE, "	11.88	TJAKRH, Costa	
GSI, "	15.14	Rica	9.699
GSO, "	11.79	TPAL, France	10.84
GSK, "	11.47	TPA3, "	11.89
GSI, "	15.28	TPA4, "	11.77
GSI, "	11.84	TPB7, "	11.185
GSL, "	6.11	TFNDX, Canada	6.805
GSD, "	15.12	VKMK, Australia	9.69
GSP, "	15.21	WIK, "	9.55
HAS, Hungary	15.37	YV6RO, St. Kitts	9.365
HAT4, "	8.12	YV6Z, India	9.69
HU, Switzerland	14.830	YV6Z, "	15.14
HRL, "	9.34	WIXAL, Boston, Mass.	
HBO, "	11.922	15.25, 11.79, 9.04	
HEB, "	7.38	XUZF, Mexico, D.F.	6.15
HJAB, Haiti	9.955	YRD, El Salvador	7.994
HJABD, Colombia	8.68	YV6RC, Venezuela	9.97
HPSA, Panama	11.7	ZBW3, China	9.924
HPSA, "	9.69	ZIKK, British	
HSP7, Siam	12.05	Randee	18.4
HSP7, "	8.51, 19.02	ZMK, So. Africa	2.81
IQY, Italy	11.678	BML, S. S. Namibia	6.91
IRF, "	9.63	ZROZ, Italy	2.838
JDY, Kwangtung	8.205	ZRO4, "	11.81
JZJ, Japan	11.88		

Short-wave programs of American stations are shown along with the regular listings beginning on page 20. Those 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; 3:50, GSB, GSD, GSE, GSI, GSO; 7:45, JDY; 8:30, GSF, GSG, GSH, GSI, GSK; 8:55, JZJ; 11, GSP, GSG, GSH, GSI, GSK; 1 p.m., GSD, GSG, GSI; 3:10, TPA3; 4:15, GSB, GSF, GSG, GSO, GSP; 4:30, OLH4A or OLH4B; 4:45, EASAH; 6, HPSA; 7, EASAH, HPSA, RAN, RCI; 7:30, ZRO4, IRF, IQY, EAQ; 7:40, GSB, GSG, GSG, GSO, GSP; 8, EAJ43; 8:05, JZK; 8:15, DJB, DJD, DJO; 8:45, EAQ; 9:45, CJRO, CJRN; 10:30, DJB, DJD, DJO, GSB, GSG, GSD, GSI; 11, TPA4, TPB7.
Daily except Sundays—7:30 a.m., VLR.
Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., OLR4A or OLR4B.

Sunday, October 23

*7 a.m.—Overseas hour (Eastern U.S.A.): JZJ
*8 a.m.—Variety program: DJL
*9 a.m.—International church: COCQ
*8 a.m.—Overseas hour (South Seas): JZJ
*9 a.m.—Program from Budapest: HJAS
10:45 a.m.—League of Nations: HBI (18.48)
11:30 a.m.—Eugene Pini's tangia orchestra: GSF GSG GSI
*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: OLR4A (11.84) or OLR5A (15.23)
*2 p.m.—German news: W3XL (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: EASAH
5 p.m.—Tropical Gazette: GSG GSI
*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: W2XE (11.83)
7 p.m.—League of Nations program: HBO (11.4)
*7 p.m.—Soviet program: RAN KKI
7:15 p.m.—Phoni Program: PCJ (9.59)
*7:30 p.m.—English news: ZHO IRF IQY
7:45 p.m.—Opera, "Andrea Chenier": ZRO4 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
*8:30 p.m.—Jamaica on the Air: HJZS (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: TPB7
*9:30 p.m.—Danish program: OZF
*10:30 p.m.—Bucaramanga Milk Coffee Hour (in English): HJ7ABD
*11 p.m.—English news: TPB7 TPM
*11:45 p.m. (ex. Sat.)—Program from South Africa: ZHK ZRII
*12:30 a.m.—Overseas hour (West Coast): JZK

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

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 Bolivar, Venezuela; YV2RN (4.87), "La Voz de Tachira," San Cristobal, Ven-

ezuela; YV3RN (4.82), "Radio Barquisimeto," Barquisimeto, Venezuela, and HJ7EAB (4.75), relaying HJ7EAK 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 Cuscatlan," 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 Fiederowicz 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 Hietzel 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 (4.86), 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.



Televising 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 step ladder)

Monday, October 24

8:30 a.m.—Program from Hong Kong: ZBW3
11:30 a.m.—Program from the Vatican: HJVJ (15.12)
12 noon—Canadian program from Germany: DJB
8:45 p.m.—German mail bag: W3XL (17.78)
8:45 p.m.—French mail bag: W3XL (17.78)
14 p.m.—Broadcast from St. Kitts: VP21D
14 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 DJD DJO
7:55 p.m. (ex. Sat.)—North American Program from Czechoslovakia: OLR4A
8 p.m.—Leo Chermakovsky's orchestra: LHX
8:45 p.m.—Ketty Magn, and Sinfonietta Flava: YV5R
9:30 p.m.—Special Broadcast Dedicated to Louisiana: DJB DJD DJO
9:30 p.m. (ex. Sat.)—Amateur hour direct from "Teatro Nacional": YV5RC
9:50 p.m. (ex. Sat.)—Czechoslovak news in English: OLR4A
10:30 p.m.—Central European Review of Affairs: OLR4A

Tuesday, October 25

6:45 a.m.—Jack Wilson's Versailles Piece: GSF
10:15 a.m.—Drama, "Steamboat": GSF GSG GSI
2 p.m.—"As I See It," Viscount Samuel: GSG
2:15 p.m.—Hugo Wolf Lieder: GSG GSI
4:35 p.m.—The Close of the Empire Exhibition: GSG GSI
4:55 p.m.—Monitor News: WIXAL (11.79)
6:20 p.m.—"Topics of the Day," A. G. MacDonell: GSD GSI
7 p.m.—Budget program: HAT4
7:45 p.m.—Empire notes: ZRO4 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.—Ebbegaard Arnold, cello: GSD GSI
10:50 p.m.—Frits and Finery: GSD GSI

Wednesday, October 26

10:10 a.m.—Description of "The Sesarewitch" from Newmarket: GSF GSG GSI
11:40 p.m.—"World Affairs," Prof. J. L. Brierty: GSF GSG GSI
1:45 p.m.—Notes from the Royal Library: GSG
3:30 p.m.—Play, "Behind the Door": GSG GSI
5:10 p.m.—Comedy, "Men of Action": GSG GSP
6:20 p.m.—Cards on the Table: GSD GSP
7 p.m.—Budget program: HAT4
7:30 p.m.—North American Hour: VP21D
7:45 p.m.—Program from Sweden: SBP
8:15 p.m.—Victor Angelini's quartet: ZHO4 IRF
9:15 p.m.—Rafael Guinand: YV5IC
9:35 p.m.—"Men Who Make the Shows," Archie Pitt: GSD GSI
10:30 p.m.—SWL Chatterbox: W8XWJ (4.1)
10:40 p.m.—Folk songs: OLR4A

Thursday, October 27

9:55 a.m.—Television in action: GSF GSG GSI
11:20 a.m.—"Matters of Moment," Edward Thompson: GSF GSG GSI
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 GSP
6:30 p.m.—Play, "A Message from Beyond": DJB
7:15 p.m.—Rhapsody Hour: W3XL (17.78)
8 p.m.—Chopin recital: GSD GSP
8:40 p.m.—Czechoslovak folk songs: OLR4A
9:40 p.m.—BBC Empire Orchestra: GSD GSI
12:45 a.m.—Samisen music: JZK

Friday, October 28

9:20 a.m.—Sylvan Trio: GSF GSG GSI
2 p.m.—Ballad opera, "Hugh the Dervier": GSG
4:45 p.m.—The Gracie Fields Tribute Performance: GSG GSP
5 p.m.—News resume from Argentina: LITA (18.115-9.69)
6:45 p.m.—Travelog, "Sussex by the Sea": GSD
7:30 p.m.—Carmen Molina, songs: YV5RC
7:30 p.m.—Cebu Broadcasting Station Choir: DJB DJD DJO
7:45 p.m.—Celebrations of the March on Rome: ZRO4 IRF IQY
8 p.m.—The Esso Hour: COCH
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: OLR4A

Saturday, October 29

10 a.m.—H. Robinson Cleaver, organ: GSF GSG
2:30 p.m.—In Town Tonight: GSG GSI
3 p.m.—Sing-Song: GSG GSI
6 p.m.—Budget program: HAT4
6 p.m.—Tourist hour: HJ5A
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: TIFG (6.41)
8:15 p.m.—Journalism in Japan: JZK
8:15 p.m.—Jose Betanourt, songs: YV5RC
8:30 p.m.—Aloha Land: W2XAD (9.55)
9 p.m.—Dance music: YV5RC
9:50 p.m.—Monthly survey of ice hockey: GSD
10 p.m.—Opera: OAX4J
12 mid.—Hawaii Calls! native Hawaiian music: KQH (14.92)

Log of Short-Wave Stations
Whose Programs Are Listed

(Magazines or thousands of bicycles shown)

COCH, Cuba	9.43	JZR, Japan	13.18
COCQ, "	9.73	OLRA, Czechoslovakia	9.55
COGZ, "	11.20	OLRA, "	11.31
CSWZ, Portugal	9.73	OLRA, "	11.31
CKAR, Uruguay	9.04	OLRA, "	11.31
DJH, Germany	15.10	OLRA, "	11.31
DJC, "	8.02	OLRA, "	11.31
DJD, "	11.77	OZF, Denmark	9.57
DJL, "	11.11	PCF, Holland	9.59, 10.22
DJO, "	11.79	PHI, "	11.77
DJP, "	11.85	RAN, U.S.A.	9.40
EAJ43, Canaries	7.50	RKI, "	15.93
EAG, Spain	9.53	RVE, "	13.00
EAN, "	9.49	RV9, "	1.00
EAPAH, Spanish Morocco	14.95	SBP, Sweden	11.79
FOAA, Tahiti	7.11	SPD, Poland	11.33
GA, England	4.05	SPW, "	13.94
GSD, "	9.01	SPW, "	13.74
GSC, "	9.54	TIA, Iceland	11.31
GSD, "	11.79	TOWA, Guernsey	9.03
GSE, "	11.55	TIANH, Costa Rica	9.01
GK, "	12.14	TPA, France	15.24
GK, "	11.79	TPA, France	15.24
GK, "	11.47	TPA, France	15.24
GK, "	11.26	TPA, France	15.24
GK, "	11.54	TPB, "	11.85
GSL, "	6.11	VE9BC, Canada	4.03
GSO, "	12.18	VKEME, Australia	9.50
GSP, "	12.31	VLR, "	9.58
HASD, Hungary	12.37	VUD3, India	9.50
HAT4, "	9.10	VUD3, "	13.18
HKJ, Switzerland	14.35	WIXAL, Boston, Mass.	
HKL, "	9.34		10.30, 11.70, 9.04
HKO, "	11.40	XEUX, Mexico, D.F.	8.19
HMP, "	7.30	YSD, El Salvador	7.94
HH2S, Haiti	6.95	YV5BC, Venezuela	5.97
HTARD, Colombia	9.43	ZBWJ, China	8.23
HPAA, Panama	11.7	ZIKI, British Honduras	10.4
HPJ, "	9.00		
HSFJ, Spain	15.23	ZIE, St. Kitts	6.30
HSFJ, "	9.31, 15.20	ZRK, St. Africa	9.61
IQT, Italy	11.07	ZRI, S. S. Namibia	6.01
IRI, "	9.83	ZRO, Italy	9.53
JDY, Kwantung	9.02	ZRO, "	11.31
JZ, Japan	11.40		

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 GSJ, 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 9:55 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.

Atsufusa Saito of Kumamoto, Japan, informs me a new Chinese short-wave station, using the call XGAP, is broadcasting daily from Peking on 9.56 megs. 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 in for Dairen Radio Station connecting communication with Japanese Tokio Radio Station in Japanese. Your measuring is very good and right. I intended to send your letter to Dairen Radio station but I thought it is 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 San Francisco 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 Santa Clara, and that a new transmitter at Holguin, Cuba, is already on the air testing on 6.195 megs. 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 (15.195), 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 VLR, Melbourne, Australia, transmitting on a new frequency of 11.875 megs, 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 EAJ43 of Tenerife, Canary Islands, are now being radiated on a new frequency of 7.5 megs. 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."

Monday, November 7

- 88 a.m.—Program from Hong Kong. ZHWJ
- 89 a.m.—Station program. H56P2 (15.23)
- 11:30 a.m.—Program from the Vatican. HVJ (15.12)
- 12:20 p.m.—Eidete Schwidlers strong sextet. GSC GSP
- 3:30 p.m.—Smoker, Horner Lindrum vs. Sidney Smith. GSG GSP
- 8:45 p.m.—French mail bag. W3XL (17.78)
- 14 p.m.—Broadcast from St. Kitts. ZIZ
- 14 p.m. (ex. Sat.)—Portuguese news. W2NL (11.83)
- 14 p.m.—English transmission. GNE (12)
- 16:45 p.m.—Leo Bailey's Sports Review. W2XAF (9.53)
- 17:15 p.m.—Today in Germany. DJH DJD
- 17:55 p.m. (ex. Sat.)—North American Program. OLRA OLRA
- 8:30 p.m.—2RO mail bag. ZHM HIF IQY
- 8:45 p.m.—Kitty Mages. YV5BC
- 19:30 p.m. (ex. Sat.)—Amateur hour divert from "Teatro Nacional." YV5BC
- 19:50 p.m. (ex. Sat.)—English news. OLRA OLRA
- 10:30 p.m.—Central European Review of Affairs. OLRA OLRA

Tuesday, November 8

- 9 a.m.—Andean orchestra. GSG GSP GSP
- 12:20 p.m.—Frank Walker's orchestra. GSG GSP
- 2 p.m.—"The Significance of the Colonial Empire to Great Britain and the Dominions." Lord Harlech. GSG GSP
- 11:5 p.m.—"The Monitor Views the News." WIXAL (11.79)
- 6 p.m.—Opera, "The Walkure" by Richard Wagner. DJB DJD
- 6:20 p.m.—"Topics of the Day." Sir Frederick Whyte. GSC GSD GSE
- 7 p.m.—Margery Booth, soloist. DJB DJD
- 8 p.m.—Lieder Recital. GSC GSD GSE
- 8:30 p.m.—Talk, "Thoughts and Times." DJB
- 9:15 p.m.—Hermann v. Borkroth, soloist. DJB
- 10:10 p.m.—Viola recital. OLRA OLRA

Wednesday, November 9

- 7:15 a.m.—Lord Mayor's Show; Description of the Lord Mayor's Procession. GSC GSD GSE
- 11:40 a.m.—"World Affairs." Edwin Haward. GSC GSD GSP
- 3:15 p.m.—BBC Symphony Concerts: BBC Symphony Orchestra, conducted by Eugene Cosens. GSC GSP
- 4:20 p.m.—Lord Mayor's Banquet; Speech by the Prime Minister Neville Chamberlain. GSD
- 5:30 a.m.—Haley Youth Brass Band concert. DJB DJD
- 7 p.m.—Selections from Letters of Germans who fell in the Great War. DJB DJD
- 7:30 p.m.—North American Hour from St. Kitts. ZIZ
- 10:30 p.m.—Program from Sweden for North America. SBP
- 10 p.m.—Richard Latta piano. DJB DJD
- 10:30 p.m.—WL Chatterbox. W5XWJ (47)

Thursday, November 10

- 9:50 a.m.—Empire Variety Theatre. GSC GSG
- 11:20 a.m.—"Masters of Music." B. A. Keen. GSC GSD GSP
- 1:30 p.m.—The White Orchestra. GSC GSD
- 2 p.m.—Empire Variety Theatre. GSC GSP
- 5:05 p.m.—Stanley Hiley, bass. GSD GSP
- 7 p.m.—Empire Variety Theatre. GSC GSD GSE
- 8 p.m.—Jack Jackson's band. GSC GSD GSE
- 9:15 p.m.—Microphone soapbox. DJB DJD
- 10:40 p.m.—Popular Music. OLRA OLRA
- 12:15 a.m.—Voice of Hawaii. KQH (14.92)

Friday, November 11

- 5:25 a.m.—Service of Remembrance from the Cenotaph, Whitehall, London. GSC GSD GSE
- 2:30 p.m.—Telen Joyce, pianist. GSC GSP
- 2:55 p.m.—Festival of Empire and Remembrance. GSC GSP
- 4:50 p.m.—Tom Zanides, soloist. GSD GSP
- 5 p.m.—German Duetts. Gerhard Quirici. DJB
- 5 p.m.—News resume. LBA (15.115.59)
- 6 p.m.—Hungarian Program. HAT4
- 6:20 p.m.—Notes from the Royal Library. GSC GSD GSE
- 7:05 p.m.—Television in Action. GSC GSD GSE
- 7:45 p.m.—Film title of the month. DJB DJD
- 8 p.m.—Class hour. COCH
- 8:30 p.m.—The Schwabes at Home. DJB DJD
- 9:45 p.m.—American Hour from Portugal. CSW7
- 10:05 p.m.—Eidete Schwidlers strong sextet. GSC
- 10:40 p.m.—Military band. OLRA OLRA

Saturday, November 12

- 9:45 a.m.—BBC Military Band. GSC GSG GSP
- 2:30 p.m.—In Town Tonight. GSC GSP
- 3 p.m.—Joe Song. GSC GSP
- 5 p.m.—League Broadcasting Station Close. DJB
- 5 p.m.—Review "So What?" GSC GSD GSP
- 6 p.m.—German dance music. DJB DJD
- 7:15 p.m.—Musique Express. PCJ (15.22)
- 8 p.m.—Hour of Costa Rica. THY (6.45)
- 8:15 p.m.—Jose Belarowski, singer. YV5BC
- 8:30 p.m.—Aloha Land. W2XAB (9.55)
- 8:45 p.m.—Talk "Germany, Bavaria, Franconia, and Swabia." DJB DJD DJD
- 9 p.m.—Hawaii Call. KQH (14.92)
- 9:15 p.m.—Non-stop variety show. DJB DJD DJD
- 10 p.m.—Opera. OAX4J
- 11 p.m.—Recital by Max Hildner, tenor, and Gwendolen Mason, harpist. GSC GSD

Short-wave programs of American stations are shown along with the regular listings beginning on page 30. Those are indicated, for example, by (ex. Sat.) in parentheses following a program listing. This means that on Saturday 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, GAB, GSD, GSE, GSI, GSP; 7:45, JDY; 8:30, GSE, GSG, GSH, GSI, GSD, 8:55, ZJZ; 11:55, GSG, GSH, GSI, GSD; 1 p.m., GSC, GSD, GSG, GSI, 3:10, TPA3, 4:15, GSA, GSB, GSH, GSD, GSP; 4:30, OLRA OLRA; 4:45, EAPAH; 6:15, HPSA; 7: EAPAH; HPSA; RAN, RKI; 7:30, ZRO, HIF, IQY, HAF; 7:40, GSB, GSC, GSD, GSE, GSI, GSP; 8: EAJ43; 8:05, JZK; 8:15, HIR, HJD, HJO; 8:45, HAF; 9:45, GSD, HAF; 10:30, HIR, HJD, HJO; GSB, GSC, GSD, GSE, H, TPA4, TPB7
- Daily except Sundays—7:30 a.m. VLB
- Mon., Tues., Wed., Thurs., Fri.—9:50 p.m. OLRA OLRA

Sunday, November 6

- *3 a.m.—English transmission. H596 (15.175)
- *7 a.m.—Overseas hour (Eastern U.S.A.). ZJZ
- *8 a.m.—Overseas hour (South Seas). ZJZ
- *9 a.m.—Variety program. DJL
- *8 a.m.—Interdenominational church. COQ
- 10:30 a.m.—Jewish Ex-Servicemen's National Remembrance Service. GSC GSD GSP
- 10:45 a.m.—League of Nations Institute. HIB (18.48)
- *12:45 p.m.—Rio de Oro Maritima Band. TOWA (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)
- *5 p.m.—Portuguese news. W3XL (17.78)
- *6 p.m.—Talk by General Smith. GSC GSD GSE
- *6 p.m.—Polish program (North America). SPW, SPD, SP19 (125)
- *6 p.m.—Spanish news. W3XL (17.78)
- *6 p.m.—Program from Portugal (North America). CSW7
- *6:15 p.m. (ex. Sat.)—Musique Express. PCJ
- *6:45 p.m.—Spanish news. W3XL (17.78)
- *7 p.m.—Portuguese news. W3XL (17.78)
- *7 p.m.—Soviet program (North America). RAN, RKI
- *7:30 p.m.—English news. ZHM HIF IQY
- *8 p.m.—Spanish news. W3XL (17.78)
- *8 p.m.—Experimental program from Switzerland. (9.535)
- *8 p.m.—Overseas hour (Eastern America). JZK
- *8 p.m.—Nationalist program (North America). SALAMARA
- *8:15 p.m.—English news. HIB DJB DJD
- *8:30 p.m.—Program from India. VED3 (15.16)
- *8:30 p.m.—Funicion on the Air. HJZ5 (5.955)
- *8:30 p.m.—Spanish news. GSB GSD
- *8:45 p.m.—Portuguese news. GSB GSD
- *9 p.m.—Program from Miami, Florida. W4XB (5.04)
- *9:30 p.m.—North American broadcast. TPB7
- *9:30 p.m.—Danish program (North America). (57)
- *10:15 p.m.—English transmission. GNE (12)
- *10:30 p.m.—Broadcasters' AME Coffee Hour. HJZ5
- *10:55 p.m.—English news. YNL8 (6.70)
- *11 p.m.—English news. HJZ5 TPA4
- *11:45 p.m. (ex. Sat.)—Program from South Africa. ZIK
- *12:30 a.m.—Overseas hour (West Coast). JZK

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



Listeners to HBH (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

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
COCH. Cuba	9.43	JZK, Japan	15.16
COGQ	9.725	OLR5A, Czechoslovakia	9.55
COGZ	11.805	OLR4A, "	11.84
CSW7, Portugal	9.725	OLR4B, "	11.78
DJB, Germany	15.20	OLR4B, "	15.23
DJC	8.02	OLR5A, "	15.22
DJD	11.77	OLR5B, "	15.22
DJL	15.11	QZF, Denmark	9.32
DJO	11.785	PCJ, Holland	9.58
DJP	11.78	PCJ, "	17.75
EAJ48, Canarias	9.80	RAN, U.S.S.R.	9.60
EAQ, Spain	9.85	RRI, "	15.08
EAB	9.49	RNE, "	12.00
EABAN, Spanish Morocco	14.05	SBP, Sweden	11.705
FOAAA, Tahiti	7.11	SPD, Poland	11.57
GSA, England	6.95	SPW, "	12.94
GSR	6.51	SP19, "	15.12
GSC	6.58	SP25, "	15.74
GSD	11.75	TFJ, Iceland	12.23
GSE	11.84	TGWA, Guatemala	9.645
GSP	15.14	TIKXK, Costa Rica	9.628
GSG	17.79	TPA2, France	15.24
GSH	21.47	TPA3, "	11.88
GSI	15.20	TPA4, "	11.71
GSL	21.58	TPH7, "	11.885
GSO	15.18	VK2ME, Australia	9.58
GSP	15.31	VLK, "	9.58
HASZ, Hungary	15.37	YUDD, India	9.59
HAT4	9.12	YUDD, "	15.10
HJL, Switzerland	14.835	W1XAL, Boston, Mass.	9.91
HJL	9.91	XEUZ, Mexico, D.F.	6.12
HKB	11.80	YSD, El Salvador	7.624
HH25, Haiti	8.95	YV5RC, Venezuela	9.57
HJTABD, Colombia	9.05	ZBWS, China	9.525
HPSA, Panama	11.7	ZIKZ, British Honduras	16.1
HPSJ	15.13	ZIZ, St. Kitts	6.385
HSPJ, Siam	15.13	ZRK, So. Africa	9.61
HSPJ	9.51	ZRK, So. Africa	9.61
IKY, Italy	11.478	ZRO4, S. S. Kanibala	9.61
IKY	11.478	ZRO4, Italy	9.615
JDY, Kwantung	9.525	ZRO4, "	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 (a-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; 4:50, GSD, GSE, GSF, GSO, GSP; 7:45, JDY; 8:30, GSD, GSG, GSH, GSI, GSL, GSO, GSP; 11, GSD, GSE, GSF, GSG, GSH, GSI, GSO, GSP, GSA, GSD, GSG, GSH, GSI, GSO, GSP; 4:15, GSA, GSB, GSH, GSO, GSI, GSO, OLR4A or OLR4B; 4:45, EA9AH; 6, HPSA; 7, EA9AH, HPSJ, RAN, HIKI; 7:30, ZRO4, HIF, IQY, KAO; 7:40, GSB, GSC, GSD, GSI, GSO; 8, EA443; 8:35, JZK; 8:15, DJB, DJD, DJO; 8:45, EAQ; 9:45, CARO, CHX; 10:30, DJB, DJD, DJO, GSR, GSC, GSD, GSI, GSO, GSP; 11, TPA4, TPB7.

Daily except Sundays—7:30 a.m., YLH.
Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., OLR4A, OLR5A.

Sunday, November 13

*3 a.m.—English transmission: RV56 (15.175)
*7 a.m.—Overseas hour (Eastern P. S. A.): 474
*8 a.m.—Overseas hour (South Seas): JZJ
*8 a.m.—Variety program: DJL
*8 a.m.—International church: COCQ
10:45 a.m.—League of Nations broadcast: HHHH (18.48)
*12:45 p.m.—Rio de Oro Mariamba 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.—Ankara, Turkey, radio: IAP (9.465)
*3 p.m.—French news: W3XL (17.78)
4:20 p.m.—War news: EA9AH
*5 (& 7) p.m.—Portuguese news: W3XL (17.78)
*6 p.m.—Polish program (North America): SPW SPD SP19 SP25
*6 (& 8) p.m.—Spanish news: W3XL (17.78)
*6 p.m.—Program from Portugal (North America): CSW7
*6:15 p.m. (ex. Sat.)—Morning Express: PCJ
*6:45 p.m.—Spanish news: W2XE (11.83)
*7 p.m.—Soviet program (North America): HAN RRI
*7:30 p.m.—English news: ZRO4 HRF IQY
*8 p.m.—Experimental program from Seltastland: (9.535)
*8 p.m.—Overseas hour (Eastern America): JZK
*8 p.m.—Nationalist program (North America): EAJ43
*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: HH25 (9.955)
*8:30 p.m.—Spanish news: GSR 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 (North America): OZF
*10 p.m. (ex. Mon.)—Friendship hour: HC1JH (14.43) HC2JB (12.46)
*10:15 p.m.—English transmissions: RNE (12)
*10:30 p.m.—Bucaramanga Mill Coffee Hour: HJ7MB1
*10:55 p.m.—English news: YN1F (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: ZRK
*12 mid.—Program from Melbourne, Australia: YLR3 (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 MST. 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 Danbury, broadcast at 3 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 (26.3) 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 (12.46), 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 Berfu programs to North America nightly from 7:15 to 10:50 p.m. EST.

SHORT-WAVE SHORTS: ZRO6 (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. . . Z2B (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, W10XAR 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. W3XAL of Cincinnati, Ohio, will also get an increase in power from 10,000 to 50,000 watts, if the application is granted. . . W3XAL, on his 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 7:45 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 Carrera, 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: PK6XX (14.07)
8 a.m.—Program from Hong Kong: ZBW3
8 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 GSI
3:10 p.m.—Eddie Carroll's orchestra: GSG GSP
8:45 p.m.—French wall bag: W3XL (17.78)
14 p.m.—Broadcast from St. Kitts: ZIZ
14 p.m.—English transmissions from Moscow: RNE (12)
14 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)
5:20 p.m.—"An African Survey," Lord Bailey: GSD GSP
16:45 p.m.—Sports review: W2NAF (9.53)
17:15 p.m.—Today in Germany: DJB DJD
17:55 p.m. (ex. Sat.)—North American program: OLR4A OLR5A
8 p.m.—"Brazil on the Air": PSII (10.22)
8:30 p.m.—ZRO's Mail Bag: ZRO4 HRF IQY
9:30 p.m.—Dresden broadcasts to Dresden; a German city greets its namesakes in United States and Canada: DJB DJD DJZ
19:30 p.m. (ex. Sat.)—Amateur hour direct from "Tejuro Nacional": YV5RH
19:50 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 GSI
10:15 a.m.—Variety show, "Steinboat": 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
4:5 p.m.—Monitor news: W1XAL (11.79)
7:10 p.m.—Technical tips for the radiofan: DJB
7:45 p.m.—Empire notes: ZRO4 HRF IQY
8 p.m.—Newark News Radio Club on the Air: W2XJI (26.3)
8:30 p.m.—George Holzer, songs: DJB DJD DJZ
9:15 p.m.—Opera, "Der Freischutz," Richard Strauss: DJB DJD DJZ
10:05 p.m.—O. H. Prosser, organist: GSC GSD

Wednesday, November 16

8:15 a.m.—Meeting of the PHOH Club: PHH
10 a.m.—NH Empire Orchestra: GSF GSG GSI
11:40 a.m.—"World Affairs," J. L. Briery: GSF
1:45 p.m.—Music in Everyday Life: GSG GSP
3:15 p.m.—BBC Symphony Orchestra, conducted by Basil Cameron: GSG GSI
6 p.m.—Prof. Fritz Heermann, organist: DJB
6:30 p.m.—Program from Martinique: Radio Martinique (9.685)
7 p.m.—Budapest program: HAT4
7:30 p.m.—North American Bear (St. Kitts): ZIZ
1:18 p.m.—Program from Sweden: SBP
8:40 p.m.—Old Dance music: OLR4A OLR5A
9:30 p.m.—Suzanne Homelband: OLR4A DJZ DJD
10 p.m.—Step Dancing: GSC GSD GSI
10:30 p.m.—"SWL Chatterbox": W3XWJ (41)

Thursday, November 17

7:30 a.m.—"At the Black Dog": GSF GSG GSI
10 a.m.—The South Sea Bulldoze: GSF GSG GSI
12:20 p.m.—Gershwin Pennington Quintet: GSG
3:05 p.m.—Billy Cotton and his band: GSG GSP
4:35 p.m.—Hockey: Wembley Monarchs vs. Brighton Tigers: GSD GSI
5 p.m.—The Happy Family sings and plays: DJB
7:15 p.m.—Rhodesian hour: W3XL (17.78)
8 p.m.—John Dickenson Band: GSC GSD GSI
8:40 p.m.—Selections from operettas: OLR4A
8:45 p.m.—Talk, "Home and Germany": DJB
9:15 p.m.—Conny Zeppelin and his Work: DJB
12:15 a.m.—Voice of Hawaii: KQH (14.92)

Friday, November 18

9:20 a.m.—Aston Hippodrome Orchestra: GSF
12:40 p.m.—Sergey Krush Suptet: GSG GSI
3:25 p.m.—Glasgow Orpheus Choir: GSG GSP
5 p.m.—News resume: LIX (18.115-9.69)
6 p.m.—Budapest program: HAT4
7:30 p.m.—Carson Melina, songs: YV5RC
8 p.m.—Easo Hour: COCH
8:30 p.m.—The Schmidts 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 GSI

Saturday, November 19

8 a.m.—Bristol Hippodrome Orchestra: GSF GSG GSI
8:30 a.m.—Peter Stadler, piano: PHH
2:30 p.m.—"In Town Tonight": GSG GSI
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: TIHG (6.41)
8:15 p.m.—Jose Beaumont, singer: YV5RC
9 p.m.—Dance music: YV5RC
9:50 p.m.—Lilly Phillips, cello: GSC GSD GSI
10 p.m.—Opera: OLR4A
12 mid.—Voice of Hawaii; native instrumentalists and soloists: KQH (14.92)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

COCH, Cuba	9.43	JZJ, Japan	11.80
COCH	9.725	OLR2A, Caribbe-	
COCP	11.955	slovakia	9.55
CSW7, Portugal	9.735	OLR4A	11.81
DJB, Germany	11.30	OLR4B	11.75
DJC	6.01	OLR5A	15.23
DJD	11.71	OLR5B	15.32
DJL	15.11	OZF, Denmark	9.52
DJO	11.795	PCI, Holland	9.49, 15.27
DJP	11.652	PHI	17.775
DJZ	11.56	RAN, U.S.S.R.	9.59
EJ43, Ecuador	7.59	RKI	15.95
EAG, Spain	9.555	RNE	12.90
EAK	9.49	RV69	6.90
EJ43A, Spanish		SPP, Sweden	11.790
Morocco	14.01	SPD, Poland	11.55
GA, England	6.05	SPW	12.61
GSD	8.61	SPR	15.12
GSC	9.59	SPS	17.71
GSD	11.75	TFJ, Iceland	15.2
GSP	11.85	TGWA, Guatemala	9.49
GST	15.16	TIANZH, Costa	
GSO	17.79	Rica	9.68
GRH	22.47	TPA2, France	15.24
GSL	15.25	TPA3	11.84
GSI	11.58	TPA4	11.73
GSL	6.11	TPB7	11.83
GRO	15.18	VK2ME, Australia	9.51
GSP	15.31	VLR	9.56
HAS3, Hungary	15.87	VUD3, India	9.51
HAT4	9.12	VUD5	15.16
HJ1, Switzerland	14.525	W1XAL, Boston, Mass.	
HJ1	9.24	15.25, 11.79, 6.91	
HBO	11.402	XEUX, Mexico, D.F.	5.31
HBP	7.89	YSD, El Salvador	7.83
HHS, Haiti	5.955	YV8C, Venezuela	5.9
HJABD, Colombia	9.03	ZBWS, China	9.625
HJ1A, Panama	11.7	ZH12, British	
HJ1	9.40	Honduras	10.1
HSGPJ, Siam	15.23	ZIX, St. Kitts	9.293
HSPJ	9.51, 19.02	ZMK, So. Africa	9.03
IQY, Italy	11.970	ZML, S. S. Kanimba	6.90
IZY	8.58	ZR03, Italy	9.535
JDY, Kwantung	9.925	ZR04	11.87

Short-wave programs of American stations are shown along with the regular listings beginning on page 29. These are indicated, for example, by the 11.87 in parentheses following a program listing. This means that on 11.87 megacycles the same program may 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, JZJ; 8:30, GSF, GSI, GSH, GSK, GSL, GSO, GSP; 8:55, JZJ; 11, GSD, GSE, GSF, GSH, GSI; 1 p.m., GSA, GSD, GSG, GSI; 3:10, TPA3; 4:15, GSA, GSH, GSD, GSO, GSP; 4:30, OLR4A or OLR4B; 4:45, K9A9H, 6, HPSA; 7, K9A9H, HPSA, RAN, RKI; 7:30, ZR04, IRF, IQY, EAQ; 7:40, GSB, GSC, GSD, GSI, GSO; 8, EAJ43; 8:05, JZJ; 8:15, HJ1, HJ1D, DJO; 8:45, EAQ; 9:45, JABO, CJHX, 10:30, HJ1, DJD, DJO, GSB, GSC, GSD, GSI, 11, TPA4, TPB7.

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: HV96 (15.175)
*7 a.m.—Overseas hour (Eastern U. S.): JZJ
*8 a.m.—Overseas hour (South Seas): JZJ
*8 a.m.—Variety program: DJL
*8 a.m.—International church: COCQ
10:45 a.m.—League of Nations broadcast: HBH (18.48)
*12:45 p.m.—Rio de Oro Marimba Ham: TGWA (15.17)
*1:30 p.m.—Italian news: W3XL (17.78)
1:40 p.m.—Iceland hour: TFJ
*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)
4:20 p.m.—War news in English: EA9AH
*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: PCI (15.22)
*6:45 p.m.—Spanish news: W2XE (11.83)
*7 p.m.—Soviet program: RAN RKI
*7:30 p.m.—English news: ZR03 IRF IQY
7:45 p.m.—Opera, "Lucrezia," ZR03 IRF IQY
*8 p.m.—Experimental program from Switzerland: (9.535)
*8 p.m.—Overseas hour (Eastern America): JZK
*8 p.m.—Nationalist program for North America: EA443
*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: JH2S (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: HC1JB (14.43) HC2JB (12.46)
*10:15 p.m.—English transmissions: RNE (12)
*10:30 p.m.—Bucaramanga Milt Coffee Hour: H17ABD
*10:55 p.m.—English news: YNLF (6.76)
*11 p.m.—English news: TPB7 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, Friday; ¶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

ITALY'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 21.56 meg, while the 50,000-watt transmitters will operate on 11.81, 11.67, 9.67 and 9.635 meg. 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, Yugoslavian, Rumanian, 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 meg. This period is also broadcast on 9.83 and 11.87 meg.

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 9.526 meg. 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 W2XAF of Schenectady, N. Y., operating only four kilocycles away on 9.53 meg. 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 Orlov of Vancouver, B. C., Canada, the new Khabarovsk, U. S. S. R. stations, RV69 (6.045), and RPN (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 9.52 meg, from 4 to 9 p.m. EST. After 6 p.m. EST the station works in parallel with RAN (9.6).

SHORT-WAVE SHORTS: W1XD, a fifteen-watt Submarine Signal at Boston, Mass., has been licensed to operate on 1.614, 2.308, 3.492 and 4.797 meg. . . . The Australian DX Club reports that PK0XX, base-camp 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 meg. 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 meg. . . . 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 Guide 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 meg. 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
8:45 a.m.—Siamese program: HV96 (15.23)
9:10 a.m.—Program from the Vatican: HVJ (15.12)
12:20 p.m.—The Alpha: GSG GSI
8:30-9:45 p.m.—French mail bag: W3XL (17.78)
14 p.m.—Broadcast from St. Kitts: ZIZ
14 p.m.—English transmissions: RNE (12)
14 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)
15 p.m.—Swiss news: W1XAL (11.79)
5 p.m.—Drama, Cochem 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)
16:45 p.m.—Sports review: W2XAF (9.53)
17:15 p.m.—Today in German: DJB DJD
17:55 p.m. (ex. Sat.)—South American program: OLR4A OLR5A
8 p.m.—Brazil on the Air: PSI (10.22)
8:30 p.m.—ZRO's mail bag: ZR03 IRF IQY
8:45 p.m.—Ketty Maes, and Sidonietta Hava: VY5HC
9:30 p.m.—Special Broadcast for Missouri: DJB
19:30 p.m. (ex. Sat.)—Amateur hour: VY5HC
19:50 p.m. (ex. Sat.)—English news: OLR5A
10 p.m.—Guatemalan program: TGWA
10:30 p.m.—Central European Review of Affairs: OLR4A OLR5A

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": GSG
4:35 p.m.—Symphony concert: GSD GSP
6:20 p.m.—"Topics of the Day," Sir Frederick Whyte: GSC GSD GSI
7 p.m.—Biological program: HAT4
7:10 p.m.—Technical tips for the radio fan: DJB
7:45 p.m.—Empire notes: ZR03 IRF IQY
8 p.m.—Tuesday Symphonies: ZR03 IRF IQY
9 p.m.—International DX'ers Alliance Broadcast from Ecuador: HC2RE (6.635)
10:05 p.m.—Arnold Goldbrough, organ: GSC

Wednesday, November 23

8:15 a.m.—Acro Chess Tournament: PHI
11:40 a.m.—"World Affairs," H. Wickham Steed: GSF GSG GSI
2 p.m.—BBC Variety Orchestra: GSG GSP
2:15 p.m.—BBC Symphony Concert: BBC Symphony Orchestra, Conducted by Sir Adrian Boult: GSG 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
7:50 p.m.—North American Hour from St. Kitts: ZIZ
8 p.m.—Viola Recital by Bratsa: GSC GSD GSI
11:8 p.m.—Program from Sweden: SBI
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: GSG 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: ZR03 IRF IQY
8:15 p.m.—A Talk in English by Fumitaka Kenoye: 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: KQII (14.92)

Friday, November 25

8:15 a.m.—Rhythm and Romanticism: PHI
10:30 a.m.—Viola recital by Samuel Kotcher: GSF GSG GSI
2 p.m.—BBC Empire orchestra: GSG GSI
2:30 p.m.—Opera, "I Pagliacci": GSG GSP
5 p.m.—News: LRA (14.115.9.69)
6 p.m.—Budapest program: HAT4
7:45 p.m.—Guest night: ZR03 IRF IQY
8 p.m.—Excerpts from "Madame Butterfly": GSC
8:30 p.m.—Mail box: W1XAL (6.04)
9:30 p.m.—Sketch, "The Last Song": DJB DJD
10:50 p.m.—Songs of the Sea: GSC GSD GSI

Saturday, November 26

8 a.m.—New Hippodrome Orchestra: GSF GSG
10:15 a.m.—Football: Birmingham vs. Portsmouth: 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 GSI
2:30 p.m.—In Town Tonight: GSG GSP
3 p.m.—Sing song: GSG GSP
5:15 p.m.—At the Theater: GSD GSP
7:45 p.m.—German Artists: DJB DJD DJZ
8 p.m.—The Leona Cuban Boys: GSC GSD
8 p.m.—News of Costa Rica: T1PQ (6.41)
9 p.m.—Dance music: VY5HC
9:15 p.m.—Club of Nations: DJB DJD DJZ
10 p.m.—Opera: OAX4
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)

COCH, Cuba	9.81	JZJ, Japan	11.89
COCQ	8.723	OLR3A, Czechoslovakia	9.50
COGF	11.805	OLR4A	11.84
CSW7, Portugal	8.730	OLR4B	11.70
DJB, Germany	15.30	OLR3A	10.80
DJC	8.88	OLR3B	10.30
DJD	11.77	OLR3C	10.30
DJL	15.11	OZF, Denmark	9.52
DJO	11.796	PCJ, Holland	9.40
DJP	11.855	PHI	12.73
DJZ	11.80	RAY, U.S.S.R.	9.60
EJ443, Canaries	7.00	RK1	16.00
EAQ, Spain	8.855	RNE	12.00
EAX	9.45	RV59	6.00
EJ941, Spanish Morocco	14.05	SPP, Sweden	11.705
HSA, England	6.06	SPD, Poland	11.33
HSE	8.81	SPW	10.18
HSG	9.18	SP9	11.74
HSD	11.75	TFJ, Iceland	12.25
HSE	11.95	TGWA, Guatemala	9.05
HST	15.34	TIANH, Costa Rica	9.09
HSH	17.79	TIFA, France	15.24
HSL	15.36	TPA3	11.81
HSM	11.88	TPA4	11.71
HSL	8.11	TP87	11.85
HSP	18.18	VKME, Australia	8.55
HSP	18.21	VLB	8.48
HAT4, Hungary	15.37	VUD3, India	8.20
HAT4	9.19	VUD3	15.18
HR4, Switzerland	14.825	WIXAL, Boston, Mass.	11.79
HQL	9.34	XE25, Mexico, D.F.	6.15
HRO	11.400	XE26, Mexico, D.F.	6.15
HBP	7.46	YFD, St. Salvador	7.89
HJ25, Haiti	8.855	YV40, Venezuela	3.97
HJ24, Colombia	8.83	ZBW3, China	9.525
HJ24, Panama	11.7	ZIKK, British Honduras	10.4
HJ24	8.80	ZIZ, St. Kitts	5.385
HJ24	15.33	ZHK, So. Africa	8.61
HJ24	8.81	ZIKK, So. Africa	8.61
HJ24	11.075	ZMI, S.E. Kamilla	6.01
HJ24	9.83	ZRO3, Italy	9.625
HJ24	9.85	ZRO4	11.81

Short-wave programs of American stations are shown along with the regular listings beginning on page 30. 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—12:35 a.m., JZJ; 4:50, GSE, GSF, GSD, GNF; 7:45, JBY; 8:30, GSF, GNG, GSH, GSE, GSI; 9:55, JZJ; 11, GSD, GSE, GSF, GSG, GSH, GSI; 1 p.m., GSA, GSD, GSG, GSI; 3:10, TPA3; 4:15, GSA, GSB, GSD, GSO, GSI; 4:30, OL84A or OL84B; 4:45, EJ941; 6, HPSA; 7, EJ941; HPSA; HAN, RK1; 7:30, ZRO3, HIF, IQY, EAQ; 7:45, GSB, GSC, GSD, GSE, GSH; 8, EJ443; 8:05, JZJ; 8:15, DJB, DJJ, DJZ; 8:45, EAQ; 9:45, CJRO, CJRN; 10:30, DJB, DJJ, DJZ, GSB, GSC, GSD, GSE, H, TPA4, TP87.

Daily except Sundays—7:30 a.m., VLB, Man., Tues., Wed., Thurs., Fri.—9:50 p.m., OL84A, OL85A.

Sunday, November 27

3 a.m.—English transmission: RV96 (15.175)
 7 a.m.—Overseas hour (Eastern U. S.): JZJ
 8 a.m.—Voice program: DJL
 8 a.m.—International church: COCQ
 10:45 a.m.—League of Nations broadcast: HSH (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 broadcast from Turkey: TAP (19.455)
 3 p.m.—French news: W3XL (17.78)
 5 p.m.—Portuguese news: W3XL (17.78)
 6 p.m.—Polish program: SPD SPW SP19 SP25
 6 p.m.—Spanish news: W3XL (17.78)
 6 p.m.—Program from Portugal: CSW7
 6:45 p.m. (ex. Sat.)—Norwegian Express: PCJ (15.22)
 6:50 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 RK1
 7 p.m.—Portuguese news: W3XL (17.78)
 7:30 p.m.—English news: ZRO3 HIF IQY
 7:45 p.m.—Opera, "Glanni Schleich": ZRO3 HIF
 8 p.m.—Experimental program from Switzerland: (5.535)
 8 p.m.—Spanish news: W3XL (17.78)
 8 p.m.—Overseas hour (Eastern America): JZK
 8 p.m.—Nationalist program: EA443
 8:15 p.m.—English news: DJB DJJ DJZ
 8:30 p.m.—Program from India: VUD3 (15.16)
 8:30 p.m.—Jamaica on the Air: HJ25 (5.955)
 8:30 p.m.—Spanish news: GSB GSD
 8:45 p.m.—Portuguese news: GSB GSD
 9 p.m.—Program from Miami, Florida: W4XB (6.04)
 9:30 p.m.—North American broadcast: TP87
 9:30 p.m.—Danish program: OZF
 10 p.m. (ex. Mon.)—Friendship hour: HCLJB (14.43) HCL2B (12.46)
 10:15 p.m.—Cleveland Radio Club Program from Moscow: RNE (12)
 10:30 p.m.—Bucaramanga MAM Coffee Hour: HJ24BD
 10:55 p.m.—English news: YNRF (6.76)
 11 p.m.—English news: TP87 TPA4
 11:45 p.m. (ex. Sat.)—Program from South Africa: ZRK
 12 mid.—Program from Melbourne, Australia: YLR3 (11.88)
 12:30 a.m.—Overseas hour (West Coast): 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

Prudent International DXers Alliance

Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

A PART 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 GSK (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, B. 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 VP9BG (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 megacycles. . . . 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 megacycles in addition to the regular frequencies of 6.12, 11.83 and 15.27 megacycles, already assigned to short-wave station W2XE. The new broadcasting schedule for W2XE, which was adopted on November 15, follows: On 21.57 megacycles, 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 megacycles, week-days, 1 to 3 p.m., and on Saturdays and Sundays from 1:30 to 2:30 p.m.; on 11.83 megacycles, week-days, 3:30 to 6 p.m., and on Saturdays and Sundays, 3 to 6 p.m.; on 9.65 megacycles, daily, 6:30 to 11 p.m., and on 6.17 megacycles, 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), Cuesta (ex-HJ2ABC); HJ2BAJ (4.865), Santa Maria (ex-HJ2ABJ); HJ3CAH (4.895), Bogota (ex-HJ3ABH); HJ3CAF (4.855), Bogota (ex-HJ3ABF); HJ3CAB (4.845), Bogota (ex-HJ3ABD); HJ3CAN (6.02), Bogota (ex-HJ3ABN); HJ5ABD (4.825), Cali; HJ6ABH (4.875), Armenia; HJ7GAB (4.775), Bucaramanga (ex-HJ7ABD), and HJ6FBC (4.795), Ibaque (ex-HJ6ABC).

SHORT-WAVE SHORTS: A mysterious station heard between 4 and 5 p.m. EST on a frequency of approximately 9.46 megacycles, 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 CB970 (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 Mello 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: ZHW3
 8:30 a.m.—Siamese program: IS-612 (15.23)
 11:30 a.m.—Matsue: GSF GSG GSI
 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 GSE
 2:50 p.m.—Fifty Bands, piano: GSG GSP
 3:45 p.m.—French music: W3XL (17.78)
 4 p.m.—Broadcast from St. Kitts: ZIZ
 4 p.m.—English transmission: RNE (12)
 4 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)
 5 p.m.—Musical news: WIXAL (11.79)
 5:30 p.m.—Travelogue: W2XAF (9.53) W2XAD (15.33)
 6 p.m.—Songs of hundred years ago: DJB DJJ
 6:20 p.m.—Excerpts from Light Opera: GSC GSH
 6:45 p.m.—Poets' Review: W2XAF (9.53)
 6:45 p.m.—Tales in German: DJB DJJ
 6:55 p.m. (ex. Sat.)—North American program: OL84A (10.95A)
 8 p.m.—Grand on the Air: PSB (10.22)
 8:30 p.m.—2103's mail bag: ZRO3 HIF IQY
 9:30 p.m.—Concert Hour, piano: DJB DJJ
 9:30 p.m. (ex. Sat.)—Amateur hour: YV5BC
 9:50 p.m. (ex. Sat.)—English news: OL85A (10.95A)
 10 p.m.—Guatemalan program: TGWA
 10:15 p.m.—German Study Club: DJB DJJ DJZ
 10:30 p.m.—Central European Review of Affairs: OL84A

Tuesday, November 29

7 a.m.—Courtney Roger: GSF GSG GSI
 8 a.m.—Actualities: PHH
 10:15 a.m.—Variety show, "Streamline": GSF
 10:30 a.m.—English program: HVJ (15.12)
 2 p.m.—The Microphone at Large: GSG GSP
 3 p.m.—For You, Madame: GSG GSP
 6:15 p.m.—Series and merry songs: DJB DJJ
 7:15 p.m.—Kitty Magee, songs: YV5BC
 7:45 p.m.—Wink and Tint: DJB DJJ DJZ
 8 p.m.—Tuesday Symphonies: ZRO3 HIF IQY
 8:45 p.m.—Talk, "Winterport in Greater Germany": DJB DJJ DJZ
 9 p.m.—Cleveland Radio Club Broadcast from Ecuador: HZHL (6.635)
 10:40 p.m.—Popular music: OL84A
 1:45 a.m.—Latest topics from Japan: JZJ

Wednesday, November 30

6:35 a.m.—St. Andrew's Day Talk: GSF GSG GSI
 10 a.m.—BBC Empire Orchestra: GSF GSG GSI
 11:40 a.m.—"World Affairs," A. P. Newton: GSF
 12:35 p.m.—Hugo Renold's orchestra: GSG GSI
 2 p.m.—"Scotland, 1938," program for St. Andrew's Day: GSG GSP
 5:15 p.m.—Ocean music: DJB DJJ DJZ
 6:20 p.m.—Cats on the Table: GSC GSD GSI
 6:30 p.m.—Program from Maricao, Radio Martinique (9.705)
 7 p.m.—North American Hour from St. Kitts: ZIZ
 7:45 p.m.—Enzo del Monte's quintet: ZRO3 HIF IQY
 8:15 p.m.—Program from Sweden for North America: SBP
 8:15 p.m.—Rosita Jemma Wade: ZRO3 HIF IQY
 10:30 p.m.—SWL Chatterbox: W5XWJ (41)
 10:50 p.m.—Bar Jenkins's Trio: GSC GSD GSI

Thursday, December 1

7:30 a.m.—At the Black Dee: GSF GSG GSI
 10 a.m.—"Mayfair," the district of London bounded by Oxford Street, Regent Street, Piccadilly, and Park Lane: GSF GSG GSI
 12:35 p.m.—Westminster Players: GSG GSI
 5:30 p.m.—Seance forum: W2XAD (15.33) W2XAF (9.53)
 6:50 p.m.—Hockey: Lions vs. Rangers: GSC GSD
 7:15 p.m.—Rhapsody Hour: W3XL (17.78)
 8 p.m.—Avalon Quartet: GSC GSD GSI
 8:30 p.m.—Little German ABC: DJB DJJ DJZ
 9 p.m.—BBC Empire Symphony Concerts: GSG
 12:15 a.m.—Voice of Hawaii: KQY (14.92)

Friday, December 2

6:40 a.m.—Light Music: GSF GSG GSI
 9 a.m.—Opera, "I Pagliacci": GSF GSG GSI
 12:40 p.m.—John Reynolds' orchestra: GSG GSI
 2 p.m.—BBC Empire Symphony Concerts: GSG
 5 p.m.—News resume: LRA (18.115 or 9.69)
 5:25 p.m.—Dance music: GSD GSP
 7:05 p.m.—Frank Rizzo's Brass Quintet: GSC GSD
 7:45 p.m.—Guest night: ZRO3 HIF IQY
 8 p.m.—Evo hour: COCH
 9 p.m.—Program for Latin America: WIXAL (11.79)
 10:50 p.m.—Dance music: GSC GSD GSI

Saturday, December 3

8 a.m.—Actualities: PHH
 9 a.m.—H. Robinson Cleaver, organist: GSF GSG GSI
 10:15 a.m.—Football: Everton vs. Chelsea: GSF
 1:30 p.m.—Fred Hartley's Sextet: GSG GSI
 2:30 p.m.—In Town Tonight: GSG GSP
 3 p.m.—Music Hall: GSG GSP
 6 p.m.—Tourist Hour: HPSA
 6:20 p.m.—London log: GSC GSD GSI
 8 p.m.—Oboe (rital) by Leon Grossman: GSC GSD GSI
 8 p.m.—Hour of Costa Rica: TING (6.41)
 8:15 p.m.—Jose Betancourt, singer: YV5BC
 9 p.m.—Concert Hour of the Air: W2XAD (9.55)
 10 p.m.—Opera: OAX4J
 11 p.m.—BBC Theatre Organ: GSC GSD GSI
 12 mid.—Voice of Hawaii, native subjects and instrumentalists: KQH (14.02)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

COCH, Cuba	9.43	JZJ, Japan	11.80
COCQ, "	9.72	OLR5A, Czechoslovakia	9.85
CODF, "	11.80	OLR6A, "	11.84
CSWT, Portugal	9.13	OLR4B, "	11.76
D3D, Germany	15.20	OLR6A, "	15.22
DJC, "	8.07	OLR6A, "	15.22
DJD, "	11.77	OLR6A, "	15.22
DJL, "	15.11	OPZ, Denmark	9.32
DJO, "	11.79	PCJ, Holland	9.39, 15.32
DJP, "	11.85	PEJ, "	17.75
DJZ, "	11.80	RAN, U.S.S.R.	9.00
EA243, Canarias	7.54	RKL, "	15.08
EAQ, Spain	9.43	RNE, "	12.08
EAB, "	8.49	RVE, "	6.90
EABAH, Spanish Morocco	14.05	SBP, Poland	11.95
OSA, England	8.05	SPD, Poland	11.33
GBB, "	8.81	SPW, "	15.12
GRC, "	8.36	SPB, "	11.79
GSD, "	11.75	TET, Iceland	18.23
GSE, "	11.80	TGWA, Guatemala	9.65
GSI, "	15.14	TIWHL, Costa Rica	8.68
GSO, "	17.79	"	"
GSH, "	15.47	TPAB, France	15.34
GSI, "	16.20	TPA3, "	11.80
GSI, "	11.38	TPA4, "	11.71
GSE, "	8.11	TPB7, "	11.85
GSO, "	15.18	YKME, Australia	5.58
GSP, "	15.21	VLB, "	5.58
HASZ, Hungary	15.37	VUD3, India	8.59
HAT4, "	8.12	VUD3, "	15.16
HDT, Switzerland	14.53	WIXAL, Boston, Mass.	"
HRI, "	9.34	"	15.25, 11.70, 6.04
HBO, "	11.40	XEDZ, Mexico, D.F.	6.12
HBP, "	7.10	YSD, El Salvador	7.84
HJ2B, Haiti	5.65	YVRC, Venezuela	3.07
HJTABD, Colombia	9.45	ZBWA, China	9.65
HPA, Panama	11.7	ZKZ, British Honduras	10.4
HPSJ, "	8.60	ZLX, St. Kitts	9.28
HSP3, Siam	16.23	ZRK, S. Africa	8.01
HSPJ, "	8.31, 19.02	ZRM, S. Africa	8.01
JQY, Italy	11.67	ZRM, S. Africa	8.01
JRF, "	8.83	ZRO3, Italy	6.62
JDY, Kwantung	9.05	ZRO4, "	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-11:37) 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, GSF, GSO, GSP; 7:45, JDY; 8:30, GSE, GSG, GSH, GSI, GSK; 8:55, JZJ; 11, GSD, GSE, GSF, GSG, GSH, GSK; 1 p.m., GSA, GSD, GSO, GSI; 3:10, TPA3; 4:15, GSA, GSB, GSD, GSC, GSO; 4:30, HLR4A or OLR4B; 4:45, EA9AH; 6, HPSA; 7, EA9AH, HPSA, RAN, RKL; 7:30, ZRO3, IRF, HNY, EAQ; 7:40, GSH, GSC, GSD, GSI, GSO; 8, EA443; 8:05, JZJ; 8:15, DJB, DJD, DJZ; 8:45, EAQ; 9:45, CUBO, CJRN; 10:30, DJB, DJD, DJO, GSH, GSC, GSD, GSI; 11, TPA4, TPB7
Daily except Sundays—7:30 a.m., VLR.
Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., OLR4A, OLR5A.

Sunday, December 4

*3 a.m.—English transmission: RV96 (15.175)
3 a.m.—International DX'ers Alliance Program from Colombia: HJTABD (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 Hanley's sextet: GSF GSG GSI
*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 (9.465)
*3 p.m.—French news: W3XL (17.78)
4:20 p.m.—War news in English: EA9AH
*5 (& 7) p.m.—Portuguese news: W3XL (17.78)
5:45 p.m.—Messages from British Guiana outposts: VP3UG (6.13)
*6 p.m.—Polish program: SPW SPD SP19 SP25
*6 (& 8) p.m.—Spanish news: W3XL (17.78)
*6 p.m.—Program from Portugal: CSWT
*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: HAT4
*7 p.m.—Soviet program: HAN RKL
*7:30 p.m.—English news: ZRO3 IRF IQY
7:45 p.m.—Opera: ZRO3 IRF IQY
*8 p.m.—Experimental program from Switzerland: (9.535)
*8 p.m.—Overseas hour: JZJ
*8 p.m.—Nationalist program: EA443
*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: HJ2S (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 America broadcast: TPB7
*9:30 p.m.—Danish program: OXF
*10 p.m. (ex. Mon.)—Friendship hour: HC1JB (14.43) HC2JB (12.46)
*10:30 p.m.—Bocaramanga Mild Coffee Hour: HJTABD
*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: ZKK
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 Moscow, 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 aerial 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 12.802 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 (28.45), 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

88 a.m.—Program from Hong Kong: ZBW3
88 a.m.—Siamese program: HSBP2 (15.23)
11:30 a.m.—Thirty minutes of studies, melody and swing: GSF GSG GSI
*2 p.m. (ex. Thurs.)—Program from Vatican City: HVA (6.03 or 6.19)
*2 p.m.—News in French, German and Italian: GSE GSA
*3 p.m. (ex. Sat.)—World news: WIXAL (15.25)
3:10 p.m.—BBC Orchestra: GSG GSP
8:30 a.m.—French mail-bag: W3XL (17.68)
*4 p.m.—Broadcast from St. Kitts: XIZ
*4 p.m.—English transmission: HNE (12)
*4 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)
*6:55 p.m.—Science news: WIXAL (11.79)
*7 p.m.—Musical news: WIXAL (11.39)
5:45 p.m.—Portuguese mail-bag: W3XL (17.78)
6:15 p.m.—Musical variety hour: DJB DJD DJZ
6:30 p.m.—English program from Martinique: Radio Martinique (9.7)
*6:45 p.m.—Sports review: W2XAF (9.53)
*7:15 p.m.—"Today in Germany": DJB DJD
*7:55 p.m.—North American program: OLR4A
8 p.m.—Michael Flinn's band: GSF GSG GSI
8:30 p.m.—ZRO's mail-bag: ZRO3 IRF IQY
8:45 p.m.—Kitty Mingo and Sufiametta Flava: YV5RC
*9:15 p.m.—Program for Latin America: WIXAL (11.73)
*9:30 p.m. (ex. Sat.)—Amateur hour: YV5RC
*9:50 p.m. (ex. Sat.)—English news: OLR4A
10 p.m.—Guatemalan program: TGWA
10:30 p.m.—Central European Review of Affairs: OLR4A

Tuesday, December 6

8:15 a.m.—"As I See It," David Low: GSF GSG
9:10 a.m.—Rugby: Oxford vs. Cambridge: GSF
10:30 a.m.—English program: HVA (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.—Opera, "The Merry Widow" (Part 1): DJB DJD
6:35 p.m.—"The Godsend": GSC GSD GSI
8 p.m.—Recital by Paulshoff: GSC GSD GSI
9:15 p.m.—Opera, "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. Briery: 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: GSC GSD GSI
7 p.m.—North American hour from St. Kitts: XIZ
*8 p.m.—Program from Sweden for North America: SBP
10:30 p.m.—"SWL Chatterbox": W8XWJ (41)
10:50 p.m.—Tropical Gazette: GSC GSD GSI

Thursday, December 8

10 a.m.—Musical melodrama, "The Amateur High-wireman": GSF GSG GSI
2 p.m.—Gerardo'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": GSB GSC
7:15 p.m.—Chamber music series: GSC GSD GSI
8:30 p.m.—Little German ABC: DJB DJD DJZ
9:35 p.m.—BBC Empire orchestra: GSC GSD GSI
9:45 p.m.—Special Broadcast for Illinois: DJB
10:50 p.m.—At the Black Dog: GSC GSD GSI
12:15 a.m.—Voice of Hawaii: KHQ (14.92)
2 a.m.—Special DX broadcast from Costa Rica: TI2ND (11.928)

Friday, December 9

10:45 a.m.—Lieder recital: GSF GSG GSI
12:40 p.m.—Nedvedoff's balalaika orchestra: GSI
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: GSC GSD GSI
7:45 p.m.—Journey of exploration with microscopes, telescope and X-ray: DJB DJD DJZ
8 p.m.—Esso hour: COCH
8:15 p.m.—Amy Bernard: ZRO3 IRF IQY
8:30 p.m.—Schmidt Family: DJB DJD DJZ
10:05 p.m.—Sarah Fischer, soprano: GSC GSD
10:45 p.m.—Pan-American Conference broadcast from Lima, Peru: W2XE (9.65)
2 a.m.—Special DX broadcast from Costa Rica: TI2ND (11.928)

Saturday, December 10

8 a.m.—Alfred Van Dam's orchestra: GSF GSG
10 a.m.—Harry Farmer, organist: GSF GSG GSI
10:30 a.m.—Mantovani's orchestra: GSF GSG
12:30 p.m.—Jack Jackson's band: GSG GSI
1:30 p.m.—Good news: GSG GSI
2:30 p.m.—In Town Tonight: GSG GSP
3 p.m.—Shoo-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: GSC GSD GSI
8 p.m.—"Hour of Costa Rica": TTPG (6.41)
8:15 p.m.—Jose Betancourt, singer: YV5RC
9 p.m.—Dance music: YV5RC
9:15 p.m.—Variety show: DJB DJD DJZ
10 p.m.—Opera: OAX4J
12 mid.—Voice of Hawaii: native soloists and instrumentalists: RQH (14.92)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

COCA, Cuba	8.85	JZJ, Japan	11.80
COG, "	8.725	OLRZA, Czechoslovakia	9.00
COG, "	11.895	OLRZA, "	11.84
CSW7, Portugal	9.735	OLRZA, "	11.74
DZB, Oceania	15.20	OLRZA, "	15.22
DZC, "	8.02	OLRZA, "	15.22
DZD, "	15.77	OLRZA, "	15.22
DZL, "	15.11	OZF, Denmark	9.62
DZO, "	11.790	PCJ, Holland	9.88
DZP, "	11.850	PHT, "	11.775
DZT, "	11.80	RAN, U.S.S.R.	9.88
EA19, Canarias	7.50	RKZ, "	15.88
EA9, Spain	9.605	RSE, "	15.80
EAB, "	9.69	RYO, "	9.60
EAAH, Spanish		SBP, Sweden	11.55
English	14.05	SPD, Poland	11.55
English	6.05	SPW, "	13.60
GSL, "	9.51	SPW, "	13.60
GSC, "	9.24	SPW, "	11.74
GSD, "	11.75	TJF, Iceland	12.20
GSE, "	11.58	TGWA, Guatemala	9.685
GST, "	15.14	TMNRH, Costa Rica	9.688
GSO, "	17.75	Tosa, "	9.688
GSH, "	21.87	TPA2, France	10.24
GSI, "	18.26	TPA3, "	11.88
GSL, "	21.86	TPA4, "	11.71
GSI, "	6.11	TPB7, "	11.885
GSO, "	15.18	VKME, Australia	9.50
GSP, "	15.21	VLR, "	9.88
HASZ, Hungary	15.37	VUDZ, India	9.49
HAT4, "	9.12	VUDZ, "	10.14
HBJ, Switzerland	14.525	WIXAL, Boston, Mass.	
HBL, "	9.34		10.25, 11.79, 9.84
HBO, "	11.402	XEUX, Mexico, D.F.	8.12
HBP, "	7.58	YSD, El Salvador	7.884
HJH9, Haiti	5.955	YV3BC, Venezuela	6.97
HJAHB, Colombia	9.03	ZBW3, China	9.825
HJPA, Panama	11.7	ZIK1, British Honduras	10.8
HPSJ, "	9.90		10.8
HPSJ, Siam	15.23	ZIZ, St. Kitts	6.385
HSPJ, "	9.51, 15.08	ZKX, St. Africa	9.81
IQY, Italy	11.678	ZMI, S. S. Somalia	6.01
IRY, "	9.82	ZRO5, Italy	9.620
JDY, Kwazulu	9.825	ZRO4, "	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 (sw-11.47) in parentheses following a program listing. This means that on 11.47 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, GSE, GSF, GSO, GSP; 7:45, JDY; 8:30, GSE, GSG, GSH, GSI; 8:55, JZJ; 11, GSD, GSE, GSF, GSG, GSH, GSI; 1 p.m., GNA, GSD, GSG, GSH, GSI; 3:10, TPA3; 4:15, GSA, GSB, GSC, GSD, GSO; 4:30, HJPA or OLRAH; 4:45, EA9AH; 6:15, HPSA; 7, EA9AH, HPSJ, RAN, RKA, 7:30, ZIB3, IRY, IQY, EAQ; 7:40, GSB, GSC, GSD, GSE, GSO; 8, EA9AH, 8:05, JZJ; 8:15, HJB, HJH; 11:27, 8:45, EAQ; 9:45, CJRO, CJRN; 10:30, HJB, DJD, DZT, GSB, GSC, GSH, GSI; 11, TPA4, TPB7.

Daily except Sundays—7:30 a.m., VLR. Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., OLRA, ORLSA

Sunday, December 18

- *3 a.m.—English program: RV96 (15.175)
- *7 a.m.—Overseas hour: JZJ
- *8 a.m.—Variety program: DJL
- *8 a.m.—International church: CDUQ
- 10:45 a.m.—League of Nations broadcast: HBJ
- 11 a.m.—Church services: WIXAL (15.13)
- *12:45 p.m.—Rio de Otu Mariuba Band: TGWA (15.17)
- *1:30 p.m.—Italian news: W3XL (17.78)
- *1:30 p.m.—Broadcast from Belgium: ORK (10.33)
- *2 p.m.—German news: W3XL (17.78)
- *2:30 p.m.—Experimental broadcasts from Tokyo: TAP (9.465)
- 2:45 p.m.—Bey's Chow from Einselden, Switzerland: HBJ W3XL (17.78)
- *3 p.m.—French news: W3XL (17.78)
- 4:20 p.m.—War news in English: EA9AH
- *5 (16.7) p.m.—Portuguese news: W3XL (17.78)
- *6 p.m.—Program from Guadeloupe: FGAA (7.05)
- *6 p.m.—Polish program: SPW SPT SP19 SP25
- *6 (16.8) 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 (9.65)
- 7 p.m.—Pan American Conference news: W3XL (17.78)
- *7 p.m.—Program from Baliqese: HAT4
- *7 p.m.—Soviet program: RAN RKA
- *7:30 p.m.—English news: ZRO5 IRY IQY
- 7:45 p.m.—Opera, "Pagliacci": ZRO3 IRY IQY
- *8 p.m.—Overseas hour: JZJ
- *8 p.m.—Nationalist program: EA9AH
- *8:15 p.m.—English news: HJB DJD DJZ
- *8:30 p.m.—Program from India: VLR (15.16)
- *8:30 p.m.—Lancia on the Air: HJH2 (15.955)
- *8:30 p.m.—Spanish news: GSB GSO
- *8:45 p.m.—Portuguese news: GSH GSG
- *9:30 p.m.—North American broadcast: TPB7
- *9:30 p.m.—Danish program: GZJ
- *10 p.m. (ex. Mon.)—Friendship hour: HJH2 (14.43) HJH3 (12.46)
- *10:30 p.m.—Boracassanca Mad' Collee Hour: HJAHB
- *10:55 p.m.—English news: YNRF (16.76)
- 11 p.m.—Fuehish news: TPB7 TPA4
- *11:45 p.m. (ex. Sat.)—Program from South Africa: ZBK
- *12 mid.—Program from Melbourne, Australia: VLR3 (11.85)
- *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 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, lilted 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 Geneva, 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; HRP1, San Pedro Sula, Honduras, to 6.36; HCIGQ, Quito, Ecuador, to 9.18; HC3CW, Guayaquil, Ecuador, to 9.13, and HPSJ, Panama City, Panama, to the frequency of 9.61 meg.



The South American beams of short-wave stations W2XAD (covering Brazil) and W2XAF (covering the western portion of South America) are being used to counteract German propaganda beamed on Latin countries

Monday, December 19

- 88 a.m.—Program from Hong Kong: ZBW3
- 88 a.m.—Spanish program: HPSJ
- 112 noon—Mail bag: W3NA (15.45)
- 12 p.m. (ex. Thurs.)—Program from Vatican City: HVJ, 16.03 or 6.19
- 12 p.m.—News in French, German and Italian: GNE USA
- 13 p.m. (ex. Sat.)—News: WIXAL (15.25)
- 3:15 p.m.—Pageant of Christmas: "Unto Us a Child Is Born": GSH, GSP
- 8:45 p.m.—French mail bag: W3XL (17.78)
- 9 p.m.—Broadcast from St. Kitts: ZIZ
- 9 p.m.—English transmissions: RNF (12)
- 9 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)
- 9:55 p.m.—Sensational news: WIXAL (11.79)
- 10 p.m.—Mail bag: W3NA (15.45)
- 10 p.m.—Monitor news: WIXAL (11.79)
- 6:20 p.m.—NBC Empire Symphony Concert: GSC
- 6:45 p.m.—Sports review: W2XAF (9.53)
- 6:50 p.m.—Variety program: HBL, HBP
- 7:15 p.m.—Today in Germany: DJB DJD DJZ
- 7:45 p.m.—Folk songs: ZRO3 IRY IQY
- 7:55 p.m. (ex. Sat.)—North American program: OLRA
- 8:30 p.m.—ZRO's mail bag: ZRO3 IRY IQY
- 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: OLRA
- 10:30 p.m.—Central European Review of Affairs: OLRA
- 11:05 p.m.—Pan American Conference news: W3XL (17.78)

Tuesday, December 20

- 10:15 a.m.—Variety show: GSF GSG GSI
- 1:30 p.m.—International Short Wave Orchestra: W2XAD (15.33)
- 2:15 p.m.—Mastovian's orchestra: GSG GSP
- 4:35 p.m.—NBC Empire Orchestra: GSB GSC GSD
- 5:30 p.m.—Good Will broadcast to Scandinavia: WIXAL (11.79)
- 6:20 p.m.—"Topics of the Day," Gerald Barry: GSC GSD GSI
- 6:45 p.m.—Pan American Conference at Lima, Peru: W2XE (9.65)
- 8 p.m.—NNDK on the Air: W2XAD (26.3)
- 8:15 p.m.—Tuesday Symphonies: ZRO3 IRY IQY
- 8:45 p.m.—We celebrate the Christmas tree: DJB
- 10:50 p.m.—"The Snoman": GSC GSD
- 11:1 p.m.—Talk on the Air: FOBA (11)

Wednesday, December 21

- 8:15 a.m.—Opera Season: PHL
- 11:40 a.m.—"World Affairs": GSF GSG
- 12:20 p.m.—Henry Hall's orchestra: GSG
- 2 p.m.—Louis Levy's orchestra: GSG GSP
- 5:05 p.m.—Happ rental: GSB GSC GSD
- 6:30 p.m.—Play, "Lovers": DJB DJD DJZ
- 7 p.m.—North American hour: ZIZ
- 7:15 p.m.—Carols and Christmas Songs: GSC GSD GSI
- 11:8 p.m.—North American program: SBI
- 9:35 p.m.—Tunes to Remember: GSC GSD GSI
- 10:30 p.m.—"SWL Chatterbox": W3XWJ (41)

Thursday, December 22

- 10 a.m.—Play, "Tomboy Under the Moon": GSF
- 12:35 p.m.—Richard Green's orchestra: GSG
- 2:30 p.m.—Radio Version of the Fred Astaire-Ginger Rogers Film "Shall We Dance": GSG
- 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 selections: ZRO3 IRY IQY
- 8 p.m.—Belle Theobald's band: GSC GSD GSI
- 8:30 p.m.—Hochester Philharmonic: W2XAD (9.53)
- 10:50 p.m.—At the Black Dog: GSC GSD GSI
- 12:15 a.m.—Voice of Hawaii: KQH (14.92) KKH (7.52)

Friday, December 23

- 9 a.m.—Frederick Newtham, baritone: GSF GSG
- 2 p.m.—Comedy duo, "Ring Off": GSG GSP
- 4:15 p.m.—International educational program: W2XAD (9.53) W2XAD (15.33)
- 4:45 p.m.—Christmas Picture Book: GSB GSC
- 5 p.m.—Christmas with Dickens: DJB DJD DJZ
- 5 p.m.—News: LJA (18.115 9.69)
- 7:05 p.m.—Ranold Sandler's Orchest: GSC GSD GSI
- 7:30 p.m.—Christmas songs and poems: DJB DJD
- 7:45 p.m.—Guest night: ZRO3 IRY IQY
- 8 p.m.—Esso hour: COCH
- 8:30 p.m.—Christmas with Family School: DJB
- 10:50 p.m.—BBC Singers: GSC GSD GSI
- 11:05 p.m.—Pan American Conference news: W3XL (17.78)

Saturday, December 24

- 8:15 a.m.—Story, "Christmas at Home": PHL
- 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 GSI
- 3 p.m.—Merry Christmas Sing-Song: GSG GSP
- 5 p.m.—Play, "The Birth": DJB DJD DJZ
- 6:20 p.m.—"London Yule Log": GSC GSI GSI
- 7:45 p.m.—Happy Family Celebrates Christmas together with children overseas: DJB DJD
- 8 p.m.—Hour of Costa Rica: TIPIG (6.41) ZRO3 IRY IQY
- 8:15 p.m.—Italian Christmas Art and Music: ZRO3 IRY IQY
- 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 shows)

COCQ, Cuba	9.43	JDY, Ewantung	9.925
COCQ, "	9.725	JZJ, Japan	11.80
COCQ, "	11.800	OLKJA, Czechoslovakia	9.55
CSW7, Portugal	9.725	OLKJA, "	11.84
DJB, Germany	15.10	OLKJA, "	11.76
DJC, "	6.02	OZF, Denmark	9.52
DJD, "	11.77	PCJ, Holland	9.58, 15.22
DJL, "	15.11	PIK, "	17.775
DJZ, "	11.80	RAN, U.S.S.R.	9.60
EJ43, Canarias	7.50	RKI, "	15.08
EAG, Spain	9.855	RNE, "	12.00
EAB, "	9.49	SBP, Sweden	11.700
EAAH, Spanish Morocco	14.05	SPD, Poland	11.90
GSA, England	8.05	SPB, "	12.84
GSD, "	9.43	SPB, "	12.12
GSC, "	9.60	SPB, "	11.74
GSD, "	11.75	TFP, Iceland	12.20
GSE, "	11.84	TGWA, Guatemala	9.685
GSP, "	15.14	TIANK, Costa Rica	9.495
GSH, "	15.19	YSD, El Salvador	7.394
GSI, "	15.26	YSD, "	7.394
GSL, "	11.71	YV9C, Venezuela	9.57
GSO, "	6.11	ZWJ, Cuba	9.58
GSP, "	15.18	ZL, St. Kitts	9.35
HASZ, Hungary	15.37	ZK, So. Africa	9.41
HAZL, "	9.12	ZMK, S.S. Kamohala	9.85
NIJ, Switzerland	14.85	ZRO, Italy	11.31
IBL, "	9.34	ZRO, "	11.31
HBO, "	11.402	XIUX, Mexico, D.F.	9.12
HBP, "	7.80	YSD, El Salvador	7.394
HJ25, Haiti	5.355	YV9C, Venezuela	9.57
HJ7ABD, Colombia	9.03	ZWJ, Cuba	9.58
HPA, Panama	11.7	ZL, St. Kitts	9.35
HP5, "	9.60	ZK, So. Africa	9.41
HP22, Siam	15.23	ZMK, S.S. Kamohala	9.85
HSZ, "	9.51, 10.02	ZRO, Italy	11.31
IQY, Italy	11.878	ZRO, "	11.31
IBT, "	9.83		

Short-wave programs of American stations are shown along with the regular listings beginning on page 20. Those are indicated, for example, by (w-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; 4:30, GSH, GSE, GSF, GSG, GSI; 7:45, JDY; 8:30, GSE, GSF, GSG, GSH, GSI; 8:55, JZJ; 11, GSD, GSE, GSF, GSG, GSI; 1 p.m., GSA, GSD, GSG, GSI; 4:10, TPA3; 4:15, GSA, GSB, GSC, GSD, GSO; 4:30, OLH4A or OLH4B; 4:45, EAAH; 6, HP5A; 7, EAAH, HP5A, RAN, RKI; 7:30, ZRO3 IRF, IQY, EAG; 7:40, GSH, GSI, GSD, GSI, GSO; 8, EAJ43; 8:05, JZJ; 8:15, DJB, DJJ, DJZ; 8:45, EAG; 9:45, CJRO, CJRX, 10:30, DJB, DJJ, DJZ, GSB, GSC, GSD, GSI; 11, TPA4, TPD7.

Daily except Sundays—7:30 a.m., VLIH. Mon., Tues., Wed., Thurs., Fri.—9:50 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: GSF GSG
- 10:45 a.m.—League of Nations broadcast: HBI
- 11:15 a.m.—Transatlantic Game: Great Britain vs. U. S. A.: GSF GSG
- 12:40 p.m.—How Christmas is spent in Sweden, Germany, Greece, Italy, France and Great Britain: GSG GSI
- 1 p.m.—Sistine Chapel Choir Concert: HVJ (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": GSB GSC 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.—Portuguese program: CSW7
- *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: ZRO3 IRF IQY
- *8 p.m.—Overseas hour: JZJ
- *8 p.m.—Nationalist program: EAJ43
- *8:15 p.m.—English news: DJB DJJ DJZ
- *8:30 p.m.—Program from India: VUD3 (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: GSH GSO
- 9:20 p.m.—Christmas Day Service: GSC GSD GSI
- *9:30 p.m.—North American broadcast: TPB7
- *9:30 p.m.—Danish program: OZF
- 9:45 p.m.—Christmas Concert: DJB DJJ DJZ
- *10 p.m. (ex. Mon.)—Friendship hour: HCLJFB (14.43) HCLJB (12.46)
- *10:30 p.m.—Barranquilla NBI Police Hour: HJ7ABD
- *10:55 p.m.—News in English from Nicaragua: YNRF (6.76)
- *11 p.m.—English news: TPB7 TPA4
- *11:45 p.m. (ex. Sat.)—Program from South Africa: ZRN
- *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 GSL will broadcast an eye-witness account of the Chelsea Arts Ball, one of the gayest and most elaborate of London's holiday festive attractions. The theme of last year's decorative pageant was "Flaming Youth"; this year it will be "Physical Perfection" . . . Short-wave listeners may hear the New Year in, not once but many times as they follow the advent of 1939 around the world by radio. Starting at 9 a.m. EST, on Saturday, December 31, listeners may hear the New Year welcomed in at Melbourne, Australia, over VLR (9.58) of Melbourne. Celebrations from numerous other countries follow throughout the day (refer to program listings), ending at 5:30 a.m. EST, on Sunday morning, January 1, 1939, when the New Year makes its last official debut in Honolulu, Hawaii.

John DeMyer of Lansing, Mich., writes that he is hearing the 62-meter-band India stations with great volume between 7 and 8 a.m. EST. Try your own luck at dialing for VUC2 (4.88), Calcutta; VUB2 (4.905), Bombay; VUM2 (4.95), Madras; VUD2 (4.995), Delhi.

Quoting from a letter from Radio Guine reader Wallace Adams of Avilla, Ind., he states in part: "Let me say that the average listener with an all-wave receiver is missing some of the finest music on the air if he doesn't become familiar with the short-wave part of his radio. . . . I have in mind particularly Station TGWA (9.685) of Guatemala, Guatemala, which broadcasts some really fine programs every evening from 9 to 11:30 p.m. EST. These broadcasts

consist of band, orchestral and marimba music, and the best thing of all is that there are no long-winded commercials, the announcements in Spanish and English being short and to the point" . . . It seems fitting to remind our many readers who will be sporting new receivers at this time that the few minutes spent in becoming familiar with the operation of dialing the short-wave bands will repay vast dividends in making available for their enjoyment 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. Ozrieder of Corozal, Canal Zone, has been identified as OAXZA, "Radio Rancho Grande," owned by Rafael Larco H. Hoyle, of Hacienda Chiclin, 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. Soplod 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 GSB, GSC and GSD at 4:10 p.m. EST

Monday, December 26

- 8:35 a.m.—Program from Hong Kong: ZBW3
- 8:48 a.m.—Siamese program: HSGUJ (15.23)
- 8:55 a.m.—Christmas Edition of the Heizer Almanak: PHH
- 11:20 a.m.—Mail bag: W9XA (26.45)
- 12 p.m. (ex. Thurs.)—Program from Vatican City: HVJ (6.03 or 6.19)
- 12 p.m.—News in French, German and Italian: GSE GSA
- 13 p.m. (ex. Sat.)—News: W1XAL (15.25)
- 8:45 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: W1XAL (11.79)
- 15 p.m.—Mail bag: W9XA (26.45)
- 15 p.m.—Monitor news: W1XAL (11.79)
- 6:20 p.m.—International Ice Hockey: GSC GSD
- 6:30 p.m.—English program: Radio Martinique (9.7)
- 6:45 p.m.—Sports review: W2XAF (9.53)
- 7:15 p.m.—Today in Germany: DJB DJJ DJZ
- 7:45 p.m.—Business and Professional Women's Club program: ZRO3 IRF IQY
- 7:55 p.m. (ex. Sat.)—North American program: OLH4A
- 8:30 p.m.—ZRO's mail bag: ZRO3 IRF IQY
- 9:15 p.m.—Program for Latin America: W1XAL (11.73)
- 9:50 p.m. (ex. Sat.)—English news: OLH4A
- 10:15 p.m.—German Study Club: DJB DJJ DJZ

Tuesday, December 27

- 7:15 a.m.—The Year's Poetry: GSF GSG GSI
- 10:15 a.m.—Variety, "Steamboat": GSF GSG
- 3 p.m.—Gastronomical quiz: GSG GSP
- 6:15 p.m.—Opera, "Tannhauser": DJB DJJ DJZ
- 6:20 p.m.—"Topics of the Day," A. G. MacDonell: GSC GSD GSI
- 8 p.m.—Chopin recital: GSC GSD GSI
- 8:15 p.m.—Tuesday symphonies: ZRO3 IRF IQY
- 8:30 p.m.—North American broadcast: HBI (11.93)
- 10:05 p.m.—C. H. Trevor, organist: GSC GSD
- 11:1 p.m.—Tahiti on the Air: FOSAA (7.1)

Wednesday, December 28

- 8:15 a.m.—PHH Club: PHH
- 11:40 a.m.—"World Affairs," H. Wickham Steed: GSF GSG
- 1:40 p.m.—Sando, Naphersen, organist: GSG 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: ZRO3 IRF IQY
- 8:45 p.m.—North American program: SBP
- 8:30 p.m.—Cetra Orchestra: ZRO3 IRF IQY
- 9:15 p.m.—Variety evening: DJB DJJ DJZ
- 10:30 p.m.—SWL Chatterbox: W8XWJ (41)

Thursday, December 29

- 10 a.m.—Play, "Mr. Bowers Goes High Hat": GSF GSG GSI
- 3:10 p.m.—Wales: GSG GSP
- 5:30 p.m.—Sleep, My Sweet Child: DJB DJJ DJZ
- 6:20 p.m.—String quartet: GSC GSD GSI
- 7:45 p.m.—Eiar Symphony Orchestra: ZRO3 IRF IQY
- 8 p.m.—Reginald King's orchestra: GSC GSD GSI
- 8:30 p.m.—Beebster Philharmonic: W2XAD (9.55)
- 8:45 p.m.—Wonders of Life: DJB DJJ DJZ
- 12:15 a.m.—Voice of Hawaii: KQH (14.92) KKII (7.52)

Friday, December 30

- 9:45 a.m.—Talk by Director of Overseas Services: GSF GSG GSI
- 2 p.m.—BBC Symphony Concert: GSG GSP
- 4:50 p.m.—Play, "Tumbay Under the Moon": GSB GSC GSD
- 5 p.m.—News: LRA (18.115-9.69)
- 6 p.m.—Special Opera Concert: DJB DJJ DJZ
- 7:15 p.m.—Description of Chelsea Arts Ball: GSC
- 7:45 p.m.—Guest night: ZRO3 IRF IQY
- 8 p.m.—Pathways to Peace: W1XAL (6.04)
- 8:15 p.m.—Amy Bernardy: ZRO3 IRF IQY
- 9:20 p.m.—Kentucky Minstrels: GSC GSD GSI
- 9:30 p.m.—German poems and ballads: DJB DJJ
- 10:50 p.m.—Eric Shrimpton: GSC GSD GSI
- 11 p.m.—English hour: XENA (6.174)

Saturday, December 31

- 9 a.m.—New Year's celebrations from Australia: VLR
- 2:30 p.m.—In Town Tonight: GSG GSP
- 3 p.m.—Music hall: GSG GSP
- 5 p.m.—New Year's celebrations from Turkey: TAP (9.465)
- 5:30 p.m.—Farewell to the old year: DJB DJJ
- 6 p.m.—New Year's celebrations from Germany, Italy, Hungary and Denmark: DJB DJJ DJZ ZRO3 IRF IQY HA14 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.—"Accordeon": 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: LIX LIX 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: XEWX (9.5) HP5G (11.78) HP5A (11.7) HJ5J (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 Requete," 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 Beyer of Chicago, Ill., writes that VUD2 (9.59) 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 Waukegan, 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.