

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilacycles shown)

COCQ, Cuba	5.43	JDY, Kwantung	9.955
COCQ, "	9.785	JZJ, Japan	11.80
COCQ, "	11.305	OLRBA, Crocho-	
CSW7, Portugal	8.725	slowly	9.55
DJB, Germany	15.20	OLRBA, "	11.34
DJB, "	9.03	OLRBA, "	11.76
OJO, "	11.77	QZT, Denmark	8.52
OJL, "	15.11	FCY, Holland	9.69, 15.22
DJZ, "	11.50	PHU, "	17.78
EJ43, Canarias	7.40	SAN, U.S.S.R.	8.06
EAQ, Spain	9.555	RKI, "	15.01
EAR, "	9.49	RNE, "	15.00
EAAH, Spanish		SBP, Sweden	11.705
Moscow	14.05	SPO, Poland	11.57
OSA, England	8.96	SPW, "	13.94
GSR, "	9.81	SP19, "	15.10
GNC, "	9.55	SP25, "	11.74
GSD, "	11.73	TFJ, Iceland	15.23
GSE, "	11.86	TOWA, Guatemala	9.555
GRF, "	15.14	TWAKM, Costa	
GRG, "	17.19	Rioa	8.695
GRH, "	21.47	TPAF, France	15.14
GRJ, "	15.86	TPA3, "	11.40
GSJ, "	21.58	TPA4, "	11.71
GSL, "	9.11	TPB7, "	11.855
GSO, "	15.15	YKMK, Australia	5.58
GRP, "	15.21	VLI, "	9.58
HASJ, Hungary	15.27	VUDS, India	9.49
HAT4, "	9.19	VUDS, "	11.15
HBJ, Switzerland	14.525	WIXAL, Boston, Mass.	
HBL, "	9.34		15.25, 11.79, 4.94
HRO, "	11.405	XEUZ, Mexico, D.F.	4.12
HDP, "	7.93	Y80, El Salvador	7.494
HP55, Haiti	5.355	YV5KO, Venezuela	5.97
HP5J, Panama	11.7	ZBWS, China	9.455
HP5F, "	9.58	ZIZ, St. Kitts	8.245
HP5J, Bism	15.23	ZBK, So. Africa	9.01
HRP2, "	9.51, 15.58	ZML, S.S. Kamikha	4.01
IQY, Italy	11.075	ZROS, Italy	9.435
IRF, "	9.93	ZRO4, "	11.51

Short-wave programs of American stations are shown along with the regular listings beginning on page 80. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., JZJ; 4:50, GSD, GSK, GNF, GNG, GSI; 7:45, JDY; 8:30, GSE, GSF, GSG, GSH, GSA; 8:55, JZJ; 11, GSD, GSE, GSF, GSG, GSH; 1 p.m., GSA, GSD, GSG, GSI; 4:10, TPA3; 4:15, GSA, GSB, GSC, GND, GSO; 4:30, OLRBA or OLR40; 4:45, EA9AH; 6, HP5A; 7, EA9AH, HP5J, RAN, RKI; 7:30, ZRU8, IRF, IQY, EAQ; 7:40, GSB, GSC, GSD, GSI, GSO; 8, EA943; 8:05, JZJ, JZK; 8:15, DJB, DJD, DJZ; 8:45, EAQ; 9:45, (JRO, CJRN; 10:30, DJH, DJD, DJZ, GSB, GSC, GSD, GSI; 11, TPA4, TPB7.
Daily except Sundays—7:30 a.m., VLI
Mon., Tues., Wed., Thurs., Fri.—9:50 p.m., OLRBA.

Sunday, January 1

*3 a.m.—English program: RV96 (15.27)
*7 a.m.—Overseas hour: JZJ
*8 a.m.—Variety program: DJL
*8 a.m.—International church: COCQ
8:15 a.m.—Lauden's New Year: GSK GSF GSG
9 a.m.—Program from Budapest: HASJ
9:50 a.m.—Arnold Matters, baritone: GSE GSF GSG
10:45 a.m.—League of Nations broadcast: HBJ
11:10 a.m.—Symphony orchestra: DJB
12:20 p.m.—Scottish music: GSG GSI
*12:45 p.m.—Rin de Oro Marimba Band: TGWA (15.17)
1 p.m.—French, German and Italian News: GSA
1:30 p.m.—New Year's Greetings: GNG
1:30 p.m.—New York's World's Fair Salute from France: Talk by President Labeun: W3XL (17.78) W2XAD (15.33) W2XE (15.27) TRP11 (9.55) and others
*1:30 p.m.—Broadcast from Belgium: URK (10.33)
1:40 p.m.—Ireland Hour: TFJ
*2 p.m.—News: W3XL (17.78)
*2:30 p.m.—Experimental broadcast from Turkey: TAP (9.465)
*3 p.m.—News: W3XL (17.78)
*5 & 7 p.m.—Portuguese news: W3XL (17.78)
*6 p.m.—Prog. from Guadeloupe: FGBAA (7.05)
*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
*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 RKI
*7:30 p.m.—Italian news: ZRO3 IRF IQY
*8 p.m.—Overseas hour: JZJ JZK
*8 p.m.—Nationalist program: EA943
*8:15 p.m.—German news: INB DJD DJZ
*8:30 p.m.—Program from India: VEDJ (15.16)
*8:30 p.m.—Jamaica on the Air: HIE25 (5.955)
*8:30 p.m.—Spanish news: GSB GSO
*8:45 p.m.—Portuguese news: GSB GSO
9:20 p.m.—Reverend Pat McCormick: GSB GSC
*9:30 p.m.—North American broadcast: TPD7
*9:30 p.m.—Danish program: OZF
*10 p.m. (ex. Mon.)—Friendship hour: HICJB (14.43) HICJD (12.45)
10:15 p.m.—International DX'ers Alliance Broadcast from Moscow: RNE
*10:55 p.m.—English news: YNHF (6.76)
11 p.m.—French news: TPB7 TPA4
*11:45 p.m. (ex. Sat.)—Program from South Africa: ZRK
*12:30 a.m.—Overseas hour: JZJ

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

A DAZZLING array of emperors, kings, queens and ranking diplomatic figures of seventeen nations will be heard in a series of weekly broadcasts saluting the New York World's Fair, to be broadcast Sundays from 1:30 to 2 p.m. EST, over the combined networks of CBS, NBC and MBS. Each of these feature programs will be in the nature of a short-wave pick-up from some foreign country. The first broadcast, Sunday, January 1, at 1:30 p.m. EST, will bring a good-will message from President Lebrun of France . . . A series of international good-will broadcasts dedicated to various foreign short-wave stations are being transmitted over W0XKG (25.95) of Los Angeles, Calif. The next in this series, to be heard on Wednesday, January 4, at 5 p.m. EST, will be directed particularly to TGWB, Guatemala City, Guatemala.

Ronald E. J. White of St. John's, Newfoundland, writes he logged the new 5,000-watt short-wave transmitter at Oslo, Norway, at 6:05 a.m. EST, on a frequency of approximately 11.73 megacycles. The station is also being heard on approximately 15.17 megacycles, and is reputed to be operating on 9.522 megacycles nightly from 8 to 9 p.m. and from 10 to 11 p.m. EST.

The story of Sark, the last independent feudal state within the British Empire, will be broadcast on Wednesday, January 4, at 9:30 p.m. EST, over Daventry stations, GSB, GSC and GSL. This lovely refuge in the Channel Islands is governed by Dame de Serq under a charter granted by Queen Elizabeth to the King, then Duke of Normandy. There are no motor cars or motion-picture shows in Sark . . . Of particular interest to dx'ers will be the amateur contest sponsored by the South African Radio Relay League, which will take place this week-end, starting on Saturday, January 7, at 11 a.m. EST, and continuing to Sunday, January 8, at 5 p.m. EST. This will be a grand opportunity for the "long distance" hunter to log numerous

South African amateurs. Reception on the 10-meter band (28 to 30 megacycles) will be best from 8 to 9 a.m. EST, and from 12 noon to 2 p.m. EST, and on the 20-meter band (14 to 14.4 megacycles) from 2:30 to 5:30 p.m. EST and from 10:30 p.m. to 1 a.m. EST.

DJM (6.08), still another new frequency for the Vienna short-wave station, is now being heard nightly from 4:50 to 10:50 p.m. EST.

HIGH FREQUENCY HIGHLIGHTS: R. B. Oxrieder of Corozal, Canal Zone, reports: HP51 (11.9) of Aguadulce, Panama, is permanently off the air; that HP5F, Colon, which relays the programs of HP5J (9.61), Panama City, is now operating near 6.147 megacycles; that a new station, HJ4-ABG, La Voz del Cico, is being heard irregularly in the evenings near 6.065 megacycles . . . Mildred and Harve Amers of Pomona, Calif., inform me that the mystery station which is being heard about once a month on 6.08 megacycles, has been definitely identified as CRY9 of Macao, a Portuguese city, near China . . . Herbert Campbell of Athens, Pa., has received advice to the effect that PJCI (9.091), "Radio Curom," of Curacao, D. W. I., is on the air nightly from 7 to 9 p.m. EST . . . Ashley Walcott of San Francisco, Calif., is hearing a Soviet station believed to be RV59 of Moscow, on a frequency of 6.03 megacycles, after 9 a.m. EST . . . Broadcast station CMQ (1010 kc), power 25,000 watts, and its well-known short-wave relay COCQ (on 8.82 at the time of writing), power 5,000 watts, of Havana, Cuba, are now affiliated with the National Broadcasting Company . . . The new Tirana, Albania, short-wave station described in a recent issue of Radio Guide, will broadcast under the call ZAA . . . News of Nationalist Spain, may be heard in English, over "Radio Nacional" (10.37), Burgos, daily from 3 to 4:30, 5 to 7 and 9 to 10 p.m. EST . . . C. F. Fern of Lihue, Kauai, Hawaii, writes he is hearing XTV (8.49), a Chinese commercial phone station, broadcasting daily near 2:30 a.m. EST, using the call XGOY.



Listeners to Daventry, England, will hear a New Year's address by the Reverend Pat McCormick, vicar of St. Martin-in-the-Fields, London, over short-wave stations GSB, GSC and GSL at 9:20 p.m. EST

Monday, January 2

8:5 a.m.—Program from Hong Kong: ZHW3
8:5 a.m.—Siamese program: H5SPJ (15.23)
11:20 a.m.—Reginald Dixon, organist: GSE GSF GSG
*12 noon—Mail Bag: W9XA (26.45)
12:40 a.m.—Leslie Bridgewater Quintet: GSG GSI
1:20 p.m.—Harry Engleman's Quintet: GSG
12 p.m. (ex. Thurs.)—Program from Vatican City: HVJ (6.03 or 6.19)
12 p.m.—French, German and Italian news: GSA GSE
13 p.m. (ex. Sat.)—News: WIXAL (15.25)
3:20 p.m.—Jay Willbur's Band: GSG GSP
8:35 p.m.—French mail 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)
14:55 p.m.—Scientific news: WIXAL (11.79)
15 p.m.—Mail Bag: W9XA (26.45)
15 p.m.—Monitor news: WIXAL (11.79)
5:45 p.m.—Portuguese mail bag: W3XL (17.78)
6:20 p.m.—Play, "Murder in the Crisis": GSC GSD GSI
6:45 p.m.—Variety program: HBL HDP
16:45 p.m.—Sports review: W2XAF (9.53)
17:15 p.m.—Today in Germany: DJB DJD DJZ
17:55 p.m. (ex. Sat.)—North American program: OLRBA
8 p.m.—Brazil on the Air: PS11 (10.22)
19:15 p.m.—Program from Latin America: WIXAL (11.73)
9:20 p.m.—Empire Exchange talks: GSB GSC GSI
9:35 p.m.—Play, "Storm in a Teacup": GSR GSC GSI
19:50 p.m. (ex. Sat.)—English news: OLRBA
10:15 p.m.—German Study Club: DJB DJD DJZ

Tuesday, January 3

10 a.m.—Smoker; Horace Lindrum vs. Willie Smith: GSE GSG
10:45 a.m.—This Boring Business: GSE GSF GSG
1:25 p.m.—Florence de Jong, organist: GSG GSI
4:35 p.m.—BHC Empire Orchestra: GSB GSC GSD
5:30 p.m.—Good-will broadcast to Scandinavia: WIXAL (11.79)
6:35 p.m.—Theater Composers: GSC GSD GSI
8 p.m.—Max Roval, violinist: GSC GSD GSI
8:15 p.m.—Tuesday Symphonies: ZRO3 IRF IQY
8:30 p.m.—Program from Vitoria, Spain: RRS (11.98)
††11 p.m.—Tahiti on the Air: PO8AA (7.1)

Wednesday, January 4

8:15 a.m.—PHON Club: PH
10 a.m.—BHC Empire Orchestra: GSE GSF GSG
11:40 a.m.—"World Affairs," A. P. Newton: GSE GSF GSG
1:20 p.m.—Blech String Quartet: GSG GSI
2:30 p.m.—Land of Song: GSG GSP
5 p.m.—Special Broadcast Dedicated to Guatemala: W0XKG (25.95)
5:25 p.m.—Reginald King's orchestra: GSB GSC
6:30 p.m.—Program from Martinique: Radio Martinique (9.7)
7:20 p.m.—Vera Canning, cellist: GSC GSD GSI
†8 p.m.—North American program: SBP
9:30 p.m.—The Island of Sark: GSB GSC GSI
10:30 p.m.—SWL Chatterbox: W8XWJ (4)

Thursday, January 5

7:30 a.m.—At the Black Dog: GSE GSF GSG
11:20 a.m.—Matters of Moment: GSE GSF GSG
2 p.m.—BBC Men's Chorus: GSG GSP
3:45 p.m.—Linda Revital: GSG GSP
5:30 p.m.—Science Forum: W2XAD (15.33) W2XAF (9.53)
7:10 p.m.—Chamber Music Series: GSC GSD GSI
7:15 p.m.—Rhapsody Hour: W3XL (17.78)
7:45 p.m.—Etar Symphony Orchestra: ZRO3 IRF IQY
8 p.m.—English Singers Quartet: GSC GSD GSI
9:40 p.m.—BHC Empire Orchestra: GSB GSC GSI
12:15 a.m.—Voire of Hawaii: KQH (14.92) KKII (7.52)

Friday, January 6

7 a.m.—Under Big Ben: GSE GSF GSG
10 a.m.—Music Hall: GSE GSF GSG
11:30 a.m.—Hands Across the Sea: GSE GSF GSG
5 p.m.—News: LRA (18.115, 9.69)
5:25 p.m.—Cards on the Table: GSB GSC GSD
7:45 p.m.—Guest night: ZRO3 IRF IQY
8 p.m.—Esso hour: COCI
8:15 p.m.—Amy Bernardy: ZRO3 IRF IQY
8:30 p.m.—Mail Box: WIXAL (6.04)
10:40 p.m.—Alfred Campbell's orchestra: GSB GSC
11 p.m.—English hour: XFXA (6.174)

Saturday, January 7

8 a.m.—Alfred Van Dam's orchestra: GSE GSF GSG
10:15 a.m.—Association Football: GSE GSF GSG
11 a.m.—South African DX Contest: South African Amateurs
12:30 p.m.—Luigi Rinaldi's orchestra: GSG GSI
2:30 p.m.—In Town Tonight: GSG GSP
3 p.m.—Music Hall: GSG GSP
6 p.m.—Tourist hour: HPSA
8 p.m.—Huge of Costa Rica: TIPC (6.41)
8:30 p.m.—Aloha Land: W2XAD (9.55)
9 p.m.—Dance music: YV5RC
10 p.m.—Opera: OAN44
10:15 p.m.—Haunting Harmonies: GSB GSC GSI
12 mid.—Voice of Hawaii, native soloists and instrumentalists: KQH (14.92) KKII (7.52)

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

COGQ, Cuba	8.785	JDY, Kwantung	8.920
COOF, "	11.800	JZJ, Japan	11.810
CSWT, Portugal	8.735	OLR4A, Casche-	
DJB, Germany	15.20	slovakia	9.58
DJC, "	6.02	OLR4A, "	11.84
DJD, "	11.71	OZF, Denmark	9.52
DJL, "	15.11	PCJ, Holland	9.50, 15.21
DJZ, "	11.80	PHI, "	17.770
EA443, Canarias	7.50	RAV, U.S.S.R.	9.60
EAQ, Spain	8.855	RK1, "	15.28
EAK, "	9.45	RNE, "	12.90
EAAH, Spanish		SSP, Sweden	11.700
Morocco	14.65	SFD, Poland	11.85
OSA, England	8.05	SPW, "	13.84
OSB, "	9.51	SP19, "	18.12
OSC, "	9.55	SP23, "	11.74
OSD, "	11.75	TFJ, Iceland	12.33
OSF, "	11.30	TOWA, Guatemala	9.533
OSG, "	15.14	TIANRH, Costa	
OSH, "	17.73	Rio	9.69
OSI, "	11.47	TPAF, France	15.84
OSJ, "	15.80	TPAS, "	11.15
OSK, "	11.35	TPAA, "	11.71
OSL, "	8.11	TPHI, "	11.895
OSO, "	15.15	YKME, Australia	9.59
OSP, "	15.51	YLB, "	9.58
OSQ, Hungary	15.37	YUDZ, India	9.59
NATS, "	9.12	YUDZ, "	15.10
RUJ, Switzerland	14.535	WIXAL, Boston, Mass.	
HBL, "	9.34	15.15, 11.79, 8.94	
RBO, "	11.852	XEUX, Mexico, D.F.	4.11
RBP, "	7.80	YSD, El Salvador	7.894
RHNS, Haiti	8.955	YVSC, Venezuela	8.97
RPA, Panama	11.7	ZBWA, China	9.525
RPAJ, "	9.60	ZLZ, St. Kitts	4.375
RSPJ, Siam	15.23	ZBK, St. Africa	8.81
RSPJ, "	9.51, 15.02	ZNI, S.E. Kambla	6.81
IQY, Italy	11.676	ZRO3, Italy	9.025
IRF, "	9.63	ZRO4, "	11.41

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News Broadcasts

Daily—12:35 a.m. JZJ; 4:50, GSD, GSE, GSF, GSG, GSH; 7:45, JDY; 8:30, GSE, GSF, GSG, GSH, GSI; 8:55, JZJ, 11, GSD, GSE, GSF, GSH, GSI; 1 p.m., GSA, GSD, GSI, GSH; 4:10, TPA3; 4:15, GSA, GSB, GSC, GSD, GSE; 4:30, OLR4A or OLR4B; 4:45, EA9AH, 6, HPSA; 7, EA9AH, HPSJ, BAN, RK1; 7:30, ZHO3, IRF, IQY, EAQ; 7:40, GSB, GSC, GSD, GSE, GSI; 8, EA443; 8:05, JZJ, JZK; 8:15, DJB, DJD, DJZ; 8:45, EAQ; 9:45, CJRO, CJRX; 10:30, DJB, DJC, DJD, DJZ, GSB, GSC, GSI; 11, TPA4, TP97.

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

Sunday, January 8

- *3 a.m.—English transmission from Moscow; RV96 (15.27)
- *7 a.m.—Overseas hour; JZJ
- *8 a.m.—English program from Chungking, China; XGRV (11.4)
- *8 a.m.—Variety program; DJL
- *8 a.m.—International church; COCQ
- 9 a.m.—Program from Budapest; HAN3
- 9:20 a.m.—Orchestral hour; GSE GSH GSG
- 10:45 a.m.—League of Nations broadcast; HNJ
- 11 a.m.—Church Services; WIXAL (15.13)
- 12:20 p.m.—Magyar orchestra; GSG GSH
- *12:45 a.m.—Rio de Oro Marinha Band; TGWA (15.17)
- *1:30 p.m.—Broadcast from Belghou; DEK (10.33)
- 1:40 p.m.—Iceland hour; TFJ
- *2 p.m.—German news; W3XL (17.75)
- *2:30 p.m.—Experimental broadcast; TAP (9.465)
- *3 p.m.—French news; W3XL (17.78)
- 4:20 p.m.—War news in English; EA9AH
- 4:35 p.m.—What's on Tonight? GSB GSC GSD
- *5 & 7 p.m.—Portuguese news; W3XL (17.78)
- *6 p.m.—Program from Guadeloupe; FGSAA (7.05)
- 6 p.m.—Polish program; SPW SP19 SP25
- *6 & 8 p.m.—Spanish news; W3XL (17.78)
- *6 p.m.—Program from Portugal for North America; CSWT
- *6:15 p.m. (ex. Sat.)—Morning Express; PHI (11.73)
- *6:45 p.m.—Spanish news; W2NE (9.65)
- *7 p.m.—Program from Budapest; HAN3
- *7 p.m.—Soviet program; HAN RK1
- 7:10 p.m.—David Wise, violinist; GSC GSD GSE
- *7:30 p.m.—English news; ZHO3 HJH IQY
- *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; VU13 (15.15)
- *8:30 p.m.—Jamaica on the Air; HJH2 (5.955)
- *8:30 p.m.—Spanish news; GSB GSD
- *8:45 p.m.—Portuguese news; GSH GSO
- 9:45 p.m.—International DXers Alliance Program from Berlin; DJB DJD HJZ
- *9:30 p.m.—North American broadcast; TP97
- *9:30 p.m.—Danish program; OZF
- *10 p.m. (ex. Mon.)—Friendship hour; HJH HJZ (14.43) HJH3 (12.46)
- 10 p.m.—Guatemalan program; TGWA
- 10:10 p.m.—Ivor Novello and Dave Kaye, piano duo; GSB GSC GSI
- *10:50 p.m.—English news; YNRF (6.74)
- 11 p.m.—English news; TP97 TPA4
- *11:45 p.m. (ex. Sat.)—Program from South Africa; ZRK
- *12:30 a.m.—Overseas hour; JZJ

On Short Waves

Edited by Chas. A. Morrison

President, International DXers Alliance

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EARL ROBERTS of Indianapolis, Ind., writes the amateur short-wave transmitter of the Ellsworth 1938-1939 Antarctic Expedition, aboard the Wyatt Earp, is being heard on a frequency of 14 megs under the call LDUC. F. C. Seid, W2MQ of Maspeth, N. Y., and J. H. Lymburner, VE2IC of Oskelance, P. Q., Canada, are the radio operators with this expedition, which is en route to Antarctica to explore the Enderby Quadrant. As soon as the party reaches their base objective regular contacts with New York will be made by short wave. . . . The Oxford University Expedition, now in Greenland, keeps in touch with London by means of its amateur short-wave transmitter OX7OU, which is being heard on a frequency of 14 megs. Reports on reception should be sent to A. Croft, Esq., Leckhampton House, Cambridge, England. H. B. Klein of Los Angeles, Calif., reports hearing OX7ZL, located at Angmagssalik, East Greenland, at 9:30 p.m. EST, on a frequency announced as 14.005 but actually 14.02 megs. This may be the Oxford University Expedition's transmitter utilizing a different call. . . . A mysterious amateur station using the call XAR2LA (14.37), heard near 1 a.m. EST, was, according to its operator aboard a Norwegian freighter, of that time in the Panama Canal.

According to a technical report from Dr. Dietrich of Berlin, Germany, the German short-wave station is again working with maximum power and efficiency, for the first time since the beginning of the Olympic Games in the summer of 1936.

W3XAU, CBS station in Philadelphia, Penn., will have the use of five different frequencies for short-waving its programs to Latin America and Europe as soon as its two new directional antennas are completed. The new frequencies are 15.27, 21.52, and 25.725 megs. Its present channels are 6.06 and 9.59 megs. . . . The General Electric Company has requested two additional frequencies for W2XAF, namely 6.19, and 21.59

megs. So, the campaign to sell America to the world continues with unabated vigor.

For something of more than ordinary interest, writes Herbert Campbell of Athens, Penn., turn your dials to 8.655 megs, at 6:30 and 9:15 p.m. EST. You will hear Coastal Harbor station WPXEI of Lake Bluff, Ill., in contact with W10XJF (or WOGK), the Moto-Seit Ship Mako, now cruising around in the West Indies. Other frequencies that are sometimes used are 6.425 and 2.118 megs.

SHORT-WAVE SHORTS: In an official list from the Colombian government, a new station, HJ6FAI (9.74) of Ibaque, is included. . . . ZRD (9.72) of Durban, South Africa, is now operating with greatly increased power daily from 3:30 to 7, 9 a.m. to 12 noon and from 11:45 p.m. to 12:30 a.m. EST. . . . According to the QRC, CRYB (8.08) of Maono, Maono, is now operating Mondays from 8:30 to 10 a.m. EST, and on Wednesdays from 8:30 to 9:10 a.m. EST, all announcements being made in English and Portuguese. . . . The Malayan government has decided to build an ultra-modern radio station at Kuantan in Pahang early next year. Short wave will be used for inter-Malayan communications. . . . Broadcasting House, London, home of the broadcast from Daventry, will be extended to more than twice its present size. Five underground "floating" studios will be included in the extension. . . . Before signing off, the following announcement in English is made over "Radio Guadeloupe" (7.05): "This is Radio Guadeloupe calling, P. O. Box 125, Pointe a Pitre, Guadeloupe. . . . OAX4C (15.29), "Radio Nacional del Peru," at Lima, was the Latin station that was on the air evenings during the Pan-American Conference, recently held in that city.

PHI of Huizen, Holland, is now working on its winter frequency of 11.73 megs, week-days except Saturdays from 6:15 to 6:45 p.m., and on Saturdays from 7:15 to 7:45 p.m. EST.



No cars are allowed on Sark, last independent feudal state within the Empire, so when BBC officials visited the island to interview its inhabitants the equipment had to be mounted on horse-cart

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

(Continued on Next Page)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)		
COGZ, Cuba	11.805	JZJ
CSWT, Portugal	9.756	OLR2A, Czechoslovakia
DJB, Germany	15.29	OLR3A, " 6.01
DJC, " "	6.92	OLR3B, " 6.55
DJD, " "	11.77	OLR3C, " 6.84
DJL, " "	15.11	OLR4A, " 11.87
DJM, " "	6.079	OLR4B, " 11.76
DJZ, " "	11.80	OZF, Denmark 9.52
EAJ43, Canarias	15.29	FCJ, Holland 15.32
EAQ, Spain	10.37	FMI, " 15.75
EAB, " "	9.866	KAN, U.S.S.R. 9.60
EABH, Spanish Morocco	9.49	RKI, " 15.08
EA9AH, Spanish Morocco	14.00	RNE, " 12.00
GSA, England	6.05	RSP, Sweden 11.702
GSB, " "	9.61	SPD, Poland 11.53
GSC, " "	9.54	SPW, " 12.84
GSD, " "	11.75	TFJ, Iceland 12.23
GSE, " "	11.88	TOWA, Guatemala 9.683
GST, " "	15.14	TIANRM, Costa Rica 9.698
GSO, " "	17.73	RV96, " 15.24
GSM, " "	81.47	TPAF, France 15.24
GSL, " "	19.26	TPA3, " 11.21
GSP, " "	21.48	TPA4, " 11.71
GSL, " "	6.11	TPB7, " 11.846
GSO, " "	15.18	TPS11, " 9.55
GSP, " "	15.31	YVSRK, Australia 9.59
GSV, " "	17.81	YLL, " 9.58
HASJ, Hungary	15.37	VUD4, India 9.59
HAT4, " "	9.12	YUD3, " 15.16
HRT, Switzerland	14.535	WIXAL, Boston, Mass. 15.28, 11.79, 6.94
HBL, " "	9.34	XEUZ, Mexico, D.F. 6.12
HBO, " "	11.402	YVSRG, Venezuela 5.97
HBP, " "	7.80	ZBW3, China 6.020
HM2S, Haiti	5.955	ZIZ, St. Kitts 6.385
HP5A, Panama	11.7	ZRK, So. Africa 9.41
HP5J, " "	9.60	ZMI, S.S. Namibia 6.01
HSFPJ, Siam	15.23	ZRO5, Italy 9.528
HSFPJ, " "	9.51, 19.02	ZRO6, " 11.81
IAT, Italy	9.83	ZRO6, " 15.30
JDY, Kwantung	9.325	
JLOJ, Japan	11.705	

Short-wave programs of American stations are shown along with the regular listings beginning on page 20. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., JZJ; 3:30, GSB, GSE, GSF, GSH, GSO; 7:45, JDY; 8:30, GSE, GSF, GSG, GSH, GSI, GSV; 8:55, JZJ; 11, GSD, GSE, GSF, GSG, GSH; 1, GSD, GSE, GSI, GSG; 1:20, ZRO6 (15.3); 4:30, TPA3; 4:35, GSA, GSB, GSC, GSD, GSO; 4:30, OLR2A; 5:45, DJH, DJD, DJZ; 6, HP5A; 6:30, EA9AH; 7, HP5J, HAN, RKI, RV96; 7:30, ZRO3, IRF, ZRO4, EAQ; 7:40, GSB, GSC, GSD, GSE; 8, EAJ43; 8:05, JLG3; 8:15, DJB, DJD, DJZ; 8:45, EAQ; 9, EA9AH, EAJ43; 10:30, DJB, DJD, DJM, DJZ, GSB, GSC, GSD; 11, TPA4, TPB11.

Daily except Sundays—7:30 a.m., YLL.
Week-days—9:50 p.m., OLR4A.

Sunday, March 12

*3 a.m.—English transmission: RV96
*6:10 a.m.—Program from Kweiyang, China: XPSA (7.01)
*7 a.m.—Overseas hour: JZJ (9.535)
*8 a.m.—News: PHI (17.77)
*8 a.m.—Variety program: DJL
10:45 a.m.—League of Nations broadcast: HBI
11 a.m.—Episcopal services: WIXAL (15.13)
*12:17 p.m.—Arabic program: GSC
*12:30 p.m.—News: W9XA (26.45)
*12:45 p.m.—Rio de Oro Marimba Band: TGWA (15.17)
*1:20 p.m.—English news: ZRO6 (15.3)
2:55 p.m.—St. Paul's services: GSG GSP
*3 p.m.—Program from Rome: ZRO9 (9.67)
*3 p.m.—French news: W3XL (17.78)
*5 & 7 p.m.—Portuguese news: W3XL (17.78)
*5:45 p.m.—English news: DJB DJD DJZ
*5:45 p.m.—Program from Portugal: CSW5
*6 p.m.—World news: W9XA (26.45)
*6 p.m.—Program from Guadeloupe: FGBH (7.44)
*6 p.m.—Polish program: SPW SPD
*6 & 8 p.m.—Spanish news: W3XL (17.78)
6:15 p.m.—Berlin Radio Orchestra: DJB DJD
*7 p.m.—Portuguese news: GSE
*7 p.m. (ex. Sat.)—Program from Budapest: HAT4
*7 p.m.—Soviet program: RAN RKI RV96
*7:30 p.m.—News: EAQ (9.855)
*7:30 p.m.—English news: ZRO3 IRF
*8 p.m.—Overseas hour: JZJ JLG3 (11.705)
*8:15 p.m.—English news: DJB DJD DJZ
*8:30 p.m.—News: EAQ (9.855)
*8:30 p.m.—Spanish news: GSH
9 p.m.—English news: EAJ43 EA9AH
*9:30 p.m.—North American: TPB11
*9:30 p.m.—Danish program: OZF
*9:30 p.m.—Hindustani program: YUD4 (15.29)
*10 p.m. (ex. Mondays)—Friendship hour: HC1JB (14.43) HC2B (12.46)
*10:30 p.m.—English news: XEUZ (6.117)
*10:50 p.m.—English news: YNRF (6.76)
*11:45 p.m. (ex. Sat.)—Program from South Africa: ZRK
12 mid.—"Hour with the Bible": COCQ (8.83)
*12:30 a.m.—Overseas hour: JZJ

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

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

A BROADCAST originating in the cab of a new 8,000 horsepower German electric locomotive—said to be the world's most powerful—will be made on Tuesday, March 14, at 6:15 p.m. EST, over Zeesen stations DJB, DJD and DJZ.

Montagu Collet Norman, Governor of the Bank of England since 1920, one of the world's outstanding authorities on the subject of finance, will make his first radio broadcast on Thursday, March 16, at 1:40 p.m. EST, over Daventry stations GSP and GSG. A recorded version of his talk will be broadcast at 6:20 p.m. EST, over stations GSC and GSD. President Milan Hodza of Czechoslovakia will address America from Prague on Saturday, March 18, from 4:45 to 5 p.m. EST. This broadcast will probably originate over either OLR5A (15.23) or OLR5B (15.32) and in this country over W8XK (11.87) and W1XK (9.57).

Completion of "Radio Eireann's" transmitter has been held up pending the arrival of certain equipment, but our Irish readers will be glad to learn that latest communications promise the Moydrum station will be testing before the end of this month. Watch the following frequencies: 17.84, 15.12, 11.74, 9.55 and 6.19 meg.

The "American Hour from Rome" can now be heard nightly from 7:30 to 9 p.m. EST, over ZRO4 (11.81), as well as ZRO3 (9.635) . . . RV96 (15.18), Moscow, is now radiating the Soviet transmission for North America, heard nightly from 7 to 9:15 p.m. EST, in addition to the usual stations RKI (15.08) and RAN (9.8) . . . "Paris Mondial" has been experimenting with various frequencies in connection with its nightly transmissions to North America, from 8:30 p.m. to midnight EST. At present a new frequency, namely 7.28 meg, is in use . . . A religious service called an "Hour with the Bible," conducted in English by Rev. Arthur Pain, can be heard over Cuban station COCQ (8.83), Sundays at midnight EST. Listeners reporting this period receive a handsome Spanish calendar, which makes a worth-while souvenir . . . "Jamaica on the Air," that interesting English program formerly broadcast nightly over HH2S (5.95) of Port-au-Prince, Haiti, is now radiated on Wednesdays only from 8:30 to 10:30 p.m. EST.

French listeners are considerably perturbed by very vehement anti-French broadcasts being made daily from 3 to 3:30 p.m. EST, over a mysterious station announcing as "Radio Corse Libre," which operates on a frequency of 9.57 meg.

SHORT-WAVE SHORTS: The African Broadcasting Corporation is installing new short-wave transmitters at Capetown and Bloemfontein . . . Walter Guthrie of Los Angeles, Calif., reports a new Japanese station JLK (6.18), which is being heard best from 8 to 9:30 a.m. EST. The program consists of news and announcements in Chinese, Japanese, English and French . . . The Chungking, China, short-wave transmitter is testing on various frequencies and at irregular hours. Using the call XGOY (9.5), the station is now testing near 6 to 7 a.m. EST. Pacific Coast listeners report the station operates nightly from 8 to 11 p.m. EST, on a frequency of 15.19 meg, using the call XGOX . . . Shades of the Arabian Nights! Bagdad is on the air. YIJG (7.2), located at Bagdad, Iraq, is now operating daily from 7:30 a.m. to 4 p.m. EST. Occasional announcements in English help to identify the station . . . If you would like to tune in YUA (6.10), Belgrade, Yugoslavia, here's how. Set your dial for 6.1 meg. At 12:43 a.m. EST you will hear the Yugoslav national anthem followed by a short announcement. At promptly 12:45 a.m. EST one stroke on a gong will be sounded, after which the news in Serb-Croatian is given . . . VUD4 (15.29), Delhi, India, may be heard nightly from 9:30 to 11:30 p.m. EST. Some nights reception is unbelievably good. To reach us the signals must cross the lofty Himalayas and the North Pole . . . The new Guatemala City station TGX1 (6.132) operates daily from 10 a.m. to 6 p.m. and from 8 p.m. to 1 a.m., with a special DX program for the United States Sunday mornings to 2 a.m. EST . . . COCQ, Havana, Cuba, seems at last to have definitely set down for a while. The spot is 8.83 meg.

The Crosley Corporation of Cincinnati, Ohio, has requested permission from the FCC to install a 1,000-watt television transmitter on the 48th floor of the Carew Tower. The station would operate in the 50-to-56-meg band.



John R. Sheehan, announcer of the "Travelog" program heard every Monday evening over international station W2XAF at 5:30 p.m. EST, informs the world about different states and national parks of the United States

Monday, March 13

88 a.m.—Program from Hong Kong: ZHW3
88 a.m.—Siamese program: HS6PJ (19.02)
7:10 a.m.—News in Spanish: W2XAD (21.5)
11:20 a.m.—Sidney Torch, organist: GSF GSG
12:45 p.m.—ICC press release: W9XA (26.45)
2 p.m. (ex. Thurs.)—Vatican City program: HVJ (6.03 or 6.19)
13:30 p.m. (ex. Sat.)—News: WIXAL (11.79)
13:45 p.m.—French mail bag: W3XL (17.78)
14 p.m.—Broadcast from St. Kitts: ZIZ
14 p.m. (ex. Sat.)—News in Portuguese: W2XE (11.83)
14:55 p.m. (ex. Sat.)—Scientific data: WIXAL (11.79)
16 p.m.—News: WIXAL (11.79)
6:30 p.m.—Variety program: HBL HBP
16:45 p.m.—Sports Review: W2XAF (9.53)
17:15 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)
17:15 p.m.—Today in Germany: DJB DJD DJZ
17:55 p.m. (ex. Sat.)—North American program: OLR3B (9.67) or OLR4B (11.84)
8:15 p.m.—ZRO's Mail Bag: ZRO3 IRF ZRO4
8:30 p.m.—Italian lesson: ZRO3 IRF ZRO4
19:15 p.m. (ex. Sat.)—Programs for Latin America: WIXAL (11.73)
110 p.m. (ex. Sat.)—Czechoslovak news: OLR4B

Tuesday, March 14

7 a.m.—Coast to Coast: GSF GSG GSI
12:45 p.m.—DX news: W9XA (26.45)
2 p.m.—Educational program: W2XAD (15.33)
4 p.m.—Folk music of Europe: WIXAL (11.79)
6:05 p.m.—Tour of Night Spots of Paris: W8XK (11.87)
6:15 p.m.—Broadcast from the new electric locomotive: DJB DJD
6:45 p.m.—Operetta-potpourri: DJB DJD DJZ
8:15 p.m.—Program from Ecuador: HC2RL (6.356)
9 p.m.—Happy Program: PCJ (9.59)
11 p.m.—Fahits on the Air: F08AA (7.1)

Wednesday, March 15

7:45 a.m.—Concertgebouw Orchestra: PHI
10 a.m.—BBC Empire Orchestra: GSF GSG
11:40 a.m.—"World Affairs," H. Wickham Steed: GSF GSG
3:20 p.m.—Grand Cornish Concert: GSG GSP
6 p.m.—English program from Martinique: Hadie Martinique (9.7)
6:45 p.m.—Variety Evening: DJB DJD DJZ
7 p.m.—North American Hour: ZIZ
7:10 p.m.—Play, "Unborn Tomorrow": GSC GSD
7:30 p.m.—North American program: SBP
9:20 p.m.—Lucky Dip: GSC GSD
10:10 p.m.—Technical tips: DJB DJD DJZ
12:45 a.m.—Folk songs in jazz: JZJ

Thursday, March 16

10:15 a.m.—Lucky Dip: GSF GSG
12:15 p.m.—DX news: W9XA (26.45)
1:40 p.m.—City of London: GSG GSI GSP
2:30 p.m.—Halle Society's Concert: GSG GSP
4:30 p.m.—Educating Youth in America: WIXAL (11.79)
5 p.m.—Leipzig Civic Orchestra: DJB DJD DJZ
5:30 p.m.—Answers to queries on the American scene: WIXAL (11.79)
7:15 p.m.—Ithapody Hour: W3XL (17.78)
8 p.m.—Michael Flome's Band: GSC GSD
8:30 p.m.—Splendors of literature: WIXAL (6.04)
9:40 p.m.—BBC Empire Orchestra: GSC GSD

Friday, March 17

7 a.m.—St. Patrick's Day Talk: GSF GSG GSI
10:30 a.m.—"Irish Rhythms": GSF GSG
11:30 a.m.—Three Famous Mysteries: GSF GSG
2 p.m.—Light music: GSG GSP
5 p.m.—News: LRA (18.115.9.69)
6:20 p.m.—India fairy-tales: DJB DJD DJZ
6:45 p.m.—Symphony concert: DJD DJB DJZ
7:45 p.m.—Old Music Ensemble: DJB DJD DJZ
7:45 p.m.—Guest night: ZRO4 ZRO3 IRF
8 p.m.—BBC Empire Orchestra: GSC GSD
8 p.m.—Euse Hour: COCH
8:30 p.m.—Elements of Aviation: WIXAL (6.04)
10:50 p.m.—Irish Rhythms: GSC GSD
11 p.m.—English hour: XEXA (6.174)

Saturday, March 18

8:30 a.m.—Program for women: PHI
9:55 a.m.—Rugby: Scotland vs. England: GSF
12:40 p.m.—Ambrose's Orchestra: GSG GSI
2:30 p.m.—In Town Tonight: GSG GSP
3 p.m.—Music Hall: GSG GSP
3:45 p.m.—Mail Bag: TAP (9.465)
4:45 p.m.—Talk by Pres. of Czechoslovakia: OLR5A (15.23) OLR5B (15.32) W8XK (11.87) W1XK (9.57)
6 p.m.—Program from Budapest: HAT4
6:45 p.m.—Dance music: DJB DJD DJZ
8 p.m.—Hour of Costa Rica: TIPC (6.41)
8:30 p.m.—Aloha Land: W2XAD (9.55)
9 p.m.—Dance music: YVSRK
9:20 p.m.—"In Town Tonight": GSG GSD
10 p.m.—Opera: OAXXJ
11:30 p.m.—Special DX Broadcast from Luxembourg: LX1SI (14.06)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

COGZ Cuba	11.305	J2J	"	11.80
CGPT Portugal	9.755	OLRZA Casabo-		
D2B Germany	14.85	slvskia	"	6.61
DJC "	6.08	OLRZA	"	9.20
DJD "	11.77	OLRZA	"	9.22
DJL "	10.11	OLRZA	"	11.84
DJM "	6.018	OLRZA	"	11.79
DJZ "	11.80	OZT Denmark	"	6.68
EA241, Canarias	7.30	PCJ Holland	8.99	15.22
EAQ Spain	10.91	PHI	"	17.72
EAB "	8.854	RAN U.S.S.R.	"	9.90
EAF "	8.48	RKI	"	10.80
EAFAR, Spanish		RML	"	10.80
Morocco	14.68	RV96	"	15.12
GBA, England	9.66	SHP Sweden	"	11.303
GBR "	8.51	IPD Finland	"	11.33
GBL "	8.45	IPW "	"	10.84
GBD "	11.73	TFJ, Iceland	"	10.20
GBE "	11.90	TOWA Guatemala	9.683	
GBF "	15.14	TISNRH Costa		
GBG "	17.78	Rica	9.685	
GBH "	21.47	TPAZ, France	"	16.24
GBI "	10.20	TPAB	"	11.38
GBJ "	21.64	TPAA	"	15.71
GBK "	6.11	TPBT	"	11.82
GBD "	10.19	TPBT	"	9.64
GBE "	10.21	VERME Australia	9.58	
GBF "	17.91	VLR	"	9.68
GBG Hungary	10.37	YEDZ India	9.52	
GBH "	9.18	YUDS	"	15.18
HRA, Switzerland	14.576	WIXAL Boston, Mass.		
HRL "	9.34	"	19.38, 11.73, 2.04	
HRO "	12.468	XFOZ Mexico, D.F.	9.13	
HRY "	7.60	YVHC Venezuela	9.87	
HZB Haiti	4.948	ZW3 China	9.424	
HZA Panama	11.7	ZIZ, St. Kitts	9.291	
HZB "	9.40	ZBK, So. Africa	9.81	
HZC Fiji, Sim	10.22	ZMI, B.S. Swaziland	9.01	
HZD "	8.41	ZMOZ, Iraq	9.83	
HZE Italy	9.82	ZRO4	"	11.81
HZF Kwantung	9.323	ZRO6	"	19.30
HZG Japan	11.701			

Start-time programs of American stations are shown along with the regular listings beginning on page 19. These are indicated, for example, by * on the (*) in an enclosure following a program listing. This means that on 11.37 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12.35 a.m., 171, 3.20, G-0, GSF, GSE, G-4, G-5, 7.45, 203, 8.30, G-6, G-7, G-8, G-9, G-10, G-11, G-12, G-13, G-14, G-15, G-16, G-17, G-18, G-19, G-20, G-21, G-22, G-23, G-24, G-25, G-26, G-27, G-28, G-29, G-30, G-31, G-32, G-33, G-34, G-35, G-36, G-37, G-38, G-39, G-40, G-41, G-42, G-43, G-44, G-45, G-46, G-47, G-48, G-49, G-50, G-51, G-52, G-53, G-54, G-55, G-56, G-57, G-58, G-59, G-60, G-61, G-62, G-63, G-64, G-65, G-66, G-67, G-68, G-69, G-70, G-71, G-72, G-73, G-74, G-75, G-76, G-77, G-78, G-79, G-80, G-81, G-82, G-83, G-84, G-85, G-86, G-87, G-88, G-89, G-90, G-91, G-92, G-93, G-94, G-95, G-96, G-97, G-98, G-99, G-100.

Daily except Sundays—7.30 a.m., VLR.
Week days—9.50 p.m., OLRZA.

Sunday, March 19

- 6:10 a.m.—Program from Kwangtung, China: XPSA (7.0)
- 7 a.m.—Transmission to Asia: W6NBE
- 7:30 a.m.—Happy program: PHH
- 8 a.m.—News: PHH
- 8 a.m.—Variety program: DJL
- 9:45 a.m.—Football: Belgium vs. Netherlands: PHH
- 12:17 p.m.—Arabic program: GSC
- 12:30 p.m.—News: W9XA (26.45)
- 1:20 p.m.—News in English from Italy: 2H06
- 1:40 p.m.—Ireland hour: TFJ
- 3 p.m.—Program from Rome: 2H09 (9.67)
- 3 p.m.—French news: W3X1 (17.78)
- 5 & 7 p.m.—Portuguese news: W3X1 (17.78)
- 5:45 p.m.—German news: DJR DJD DJZ
- 5:45 p.m.—North American Program: USV5
- 6 p.m.—Transmission to Latin America: W6NBE
- 6 p.m.—News: W9XA (26.45)
- 6 p.m.—Program from Guadeloupe: FGB411 (7.44)
- 6 p.m.—Polish program: SPW SPD
- 6 & 8 p.m.—Spanish news: W3X1 (17.78)
- 7 p.m.—Portuguese news: GSE
- 7 p.m. (ex. Sat.)—Program from Budapest: UAT4
- 7:30 p.m.—English news: 2H03 2H04 1RF
- 7:45 p.m.—Opera, "Elixir d'Amore": 2H03 2H04
- 8:15 p.m.—English news: DJR DJD DJZ
- 8:30 p.m.—English news: EAQ (9.55)
- 8:30 p.m.—Spanish news: GNB
- 9:30 p.m.—North American broadcast: Paris Mondial (11.885, 9.62 or 7.25)
- 9:30 p.m.—Danish program: OAF
- 9:30 p.m.—Hindustani program: V174 (15.29)
- 10 p.m. (ex. Mon.)—Finnish program: HCT2B (14.43) HC2H (17.45)
- 10:30 p.m.—English news: XEUZ (6.17)
- 10:50 p.m.—English news: VNH7 (6.76)
- 11 p.m.—English news: Paris Mondial (11.885, 9.62 or 7.25)
- 11:45 p.m. (ex. Sat.)—Program from South Africa: ZHK
- 12:30 a.m.—Overseas hour: 123
- 1 a.m.—International DX'ers Alliance Good Will Program from El Salvador: Y2D (7.84)

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

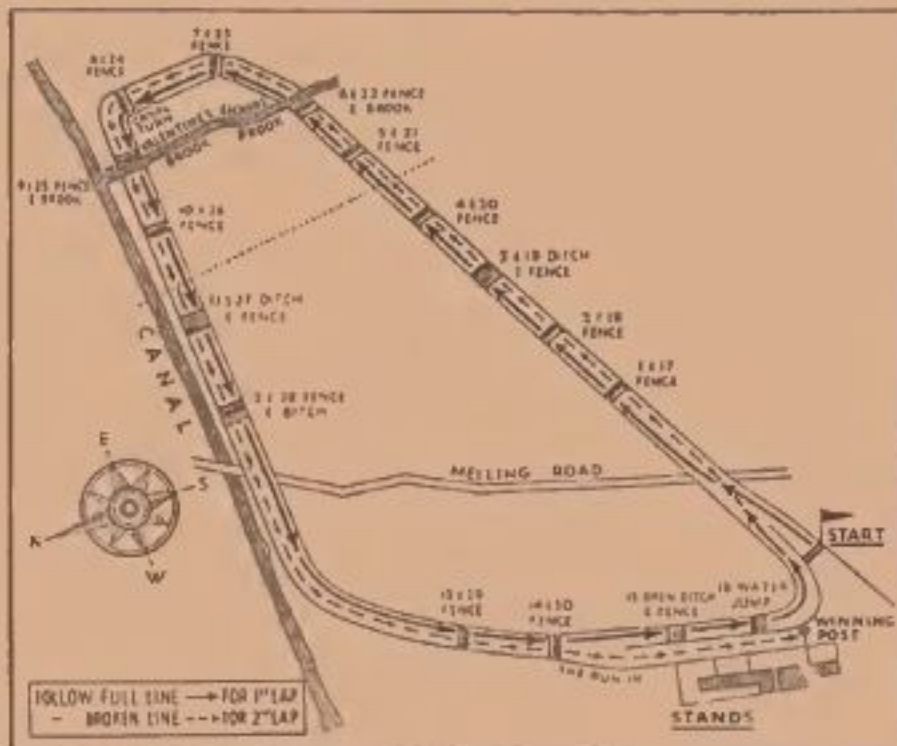
Times given are EST. For CST subtract 1 hour; MST, 2 hours; PST, 3 hours

THE running of the Grand National Steeplechase, which this year celebrates the centenary of its official institution, will be described by the BBC's ace commentators stationed at special vantage-points around the Aintree course, near Liverpool, England, in a feature broadcast to be radiated over Daventry stations GSF, GSG and GSH, on Friday, March 24, at 10 a.m. EST. Those that finish the triangular-shaped course will have covered a distance of 4 miles, 856 yards, and jumped thirty obstacles. From the jockey's point of view the most terrifying jumps are said to be Bercher's Brook, the Open Ditch and the Water Jump.

The state visit of the president of France, Monsieur Lebrun, to England, will be marked by several broadcasts from Daventry. The scene at Victoria Station when Monsieur and Madame Lebrun are met by the King and Queen of England, will be described on Tuesday, March 21, at 10:25 a.m. EST, over stations GSF, GSG and GSH. The brilliant scene when the guests are entertained by the Corporation of the City of London at Guildhall, including a short speech by Monsieur Lebrun, will be broadcast on Wednesday, March 22, at 9:15 a.m. EST, over GSF, GSG, GSH and GSI. A description of the arrival of the King and Queen of England and the president of France and his wife at Covent Garden, where they will witness a command performance of Tchaikowsky's "Sleeping Princess," will be heard in this country Wednesday, March 22, over W8XK (11.87), Pittsburgh, Pa., as a transatlantic pick-up of the NBC-Blue network, beginning at 4:50 p.m. EST. A portion of the actual performance will be broadcast over the same station at 8:05 p.m. EST.

Station W6NBE (15.33) on Treasure Island, San Francisco, Calif., was officially dedicated with an elaborate program on Thursday evening, March 7. It is now broadcasting as follows: From 7 to 10 a.m. EST to Asia, and from 6:30 to 10 p.m. EST to South America.

Ireland is on the air John Kernan



A plan of the Grand National steeplechase at Aintree, Liverpool, that will help listeners to Daventry to follow the description of the race heard Friday, March 24, at 10 a.m. EST over stations GSF, GSG and GSH

of Boston, Mass., reports hearing an initial test of "Radio Eireann" (17.84) on Sunday, February 26, from 2:45 to 3:45 p.m. EST. Identified as the "Experimental Short-Wave Station of Ireland" at Athlone, "Radio Eireann" was subsequently heard by the writer on Thursday, March 2, testing to 9:30 a.m. EST. Announcements were in English. This transmitter can easily be confused with one of the Daventry stations on the 16-meter band if the frequency, just a hair lower than DJH (17.845), is not carefully noted.

Key 1 Kibling, W2HXQ, 336 Oakland Beach Avenue, Rye, N. Y., in charge of the Reception and Entertainment Committee of the New York World's Fair Amateur Radio Station, would like to hear from any amateurs or short-wave listeners who are planning to visit the Fair so that she can arrange to meet them personally and send them advance information of interest.

HIGH-FREQUENCY HIGHLIGHTS: TG2 (8.195), "Radio Morse," Guatemala City, Guatemala, operates daily from 7:30 to 10 a.m. daily except Saturdays and Sundays from 6 to 11:30 p.m., Saturdays from 6 p.m. to 3 a.m., and on Sundays from 3 to 8 p.m. EST. "Radio Morse" is at present transmitting a special program dedicated to DX'ers in the United States and Canada every Sunday morning from 2 to 2:30 a.m. EST. Reports are requested and it is unnecessary to include an international reply coupon or return postage. Japan is using JZ1 (9.535) at present, on the 7 to 7:30 a.m. EST transmission for Eastern United States. "Radio Corse Libre," the mysterious anti-French station whose exact location is unknown, was heard with strong but poorly modulated signals on a frequency of 9.685 meg on Wednesday, March 1, from 9:30 to 10 p.m. EST, by Ray Botkin of Bloomington, Ill.

The World Wide Broadcasting Corporation of Boston, Mass., owner of WIXAL, has been granted a construction permit for a new 20,000-watt international station to operate on 11.73 and 15.13 meg

Monday, March 20

- 8:5 a.m.—Program from Sum: H-6P1 (19.02)
- 110 a.m.—Spanish news: W2XAD (21.5)
- 111 a.m.—English news: 2H06
- 12 p.m. (ex. Thurs.)—Vatican City program: HJVJ (6.03 or 6.39)
- 12:30 p.m. (ex. Sat.)—News: W3X1 (17.78)
- 12:45 p.m.—French mail hour: W3X1 (17.78)
- 14 p.m.—Broadcast from St. Kitts: Z17
- 14 p.m. (ex. Sat.)—Portuguese news: W2XN (11.83)
- 14:55 p.m. (ex. Sat.)—Scientific news: WIXAL (11.79)
- 16 p.m.—News: WIXAL (11.79)
- 16:45 p.m.—Sports Review: W2XAF (9.53)
- 17:15 p.m. (ex. Sat.)—Portuguese news: W2XN (11.83)
- 17:15 p.m.—Today in Germany: DJR DJD DJZ
- 7:45 p.m.—Talk show: 2H03 2H04 1RF
- 7:55 p.m. (ex. Sat.)—North American program: OLRZA
- 8 p.m.—Brazil on the Air: PSH (10.22)
- 8:15 p.m.—2H0's Mail Bag: 2H03 2H04 1RF
- 9:15 p.m. (ex. Sat.)—Program from Latin America: WIXAL (11.73)
- 10 p.m.—Guatemalan program: TGWA (9.685)
- 110 p.m. (ex. Sat.)—Czechoslovak news: OLRZA

Tuesday, March 21

- 10:25 a.m.—State Visit of the President of the French Republic: W-1 G-4 G-51 G-52
- 12:45 p.m.—DX news: W9XA (26.45)
- 1:40 p.m.—Adventures at Aintree: W2XAF GSG
- 2 p.m.—Educational program: W2XAF (15.33)
- 5 p.m.—Listeners Post Box: WIXAL (11.79)
- 6:05 p.m.—Tour of Night Spots of Paris: W8XK (11.87)
- 7:10 p.m.—Little Show: GSC GSD
- 7:45 p.m.—Tuesday Symphonies: 2H03 2H04 1RF
- 8:30 p.m.—Talk on Air: 2H03 2H04 1RF
- 10:50 p.m.—Last Town in England: GSC GSD
- 111 p.m.—Tales on the Air: PSH (7.1)

Wednesday, March 22

- 9:15 a.m.—President of France at Guildhall, London: GSF GSG GSH G-2 W8XK (15.21)
- 9:35 a.m.—Lincolnshire Hangar: GSF GSG
- 10 a.m.—Bath Music Festival: GSF GSG
- 4:30 p.m.—Hockey: Earl's Court Rangers vs. Wembley's Lions: GSC GSD
- 4:50 p.m.—Arrival of King and Queen and President of France at Covent Garden, London: W8XK (11.87)
- 6:05 p.m.—Command Performance of Opera, "Sleeping Princess": W8XK (11.87)
- 7 p.m.—World Affairs: H A Boston: GSC
- 7:45 p.m.—Light music: 2H03 2H04 1RF
- 8:30 p.m.—North American program: SRP
- 9:20 p.m.—Lucky Dip: GSC GSD
- 12:45 a.m.—Tayama Imperial Band: 123

Thursday, March 23

- 12:15 p.m.—DX news: W9XA (26.45)
- 2:15 p.m.—City of London: G-4 G-5P
- 2:35 p.m.—City of Birmingham Orchestra: G-G
- 4:30 p.m.—Educating Youth in America: WIXAL (11.79)
- 7:10 p.m.—Katherine Ellis: GSC GSD
- 7:15 p.m.—Katherine Hour: W3X1 (17.78)
- 7:45 p.m.—Symphonies from Verdi's Operas: 2H03 2H04 1RF
- 9:40 p.m.—BBC Empire Orchestra: GSC GSD
- 10:50 p.m.—At the Black Box: GSC GSD

Friday, March 24

- 9 a.m.—International DX'ers Alliance Good Will Broadcast from Mozambique: CR7BH (11.718) CR7AA (6.137)
- 10 a.m.—Grand National: GSF GSG GSH
- 5 p.m.—News: LRA (15.15, 9.69)
- 6 p.m.—International DX'ers Alliance Good Will Broadcast from Mozambique: CR7BH (11.718) CR7AA (6.137)
- 5:35 p.m.—Play, "Jane Eyre": G-4 G-5H
- 7:45 p.m.—Guest night: 2H03 2H04 1RF
- 8 p.m.—Even Hour: COCH
- 8:15 p.m.—Amy Bernardly: 2H03 2H04 1RF
- 9:30 p.m.—Special Transmission for the State of Oklahoma: DJR DJD DJZ

Saturday, March 25

- 8 a.m.—New Hippodrome Orchestra: G-4 G-5V
- 8:40 a.m.—Bayou: PHH
- 9:30 a.m.—Opera, "Il Trovatore": G-4 G-5G
- 12:30 p.m.—Andruse's orchestra: G-4 G-5H
- 2:30 p.m.—In Town Tonight: G-4 G-5P
- 3 p.m.—Newer Hall: G-4 G-5P
- 6 p.m.—Tonight Show: HPSA
- 7:45 p.m.—EAB Quintet: 2H03 2H04 1RF
- 8 p.m.—Hour of Costa Rica: HPSA (6.41)
- 8:30 p.m.—Alaska Land: W2XAD (9.55)
- 9 p.m.—Dance music: VASB
- 10 p.m.—Opera: OANA
- 2 a.m.—International DX'ers Alliance Good Will Program from Guatemala: 1G2 (6.195)
- 2:30 a.m.—International DX'ers Alliance Broadcast from Luxembourg: LX151 (14.06 or 14.32)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

COOP, Cuba	11.805	OLR7A, Czechoslovakia	6.01
CSWT, Portugal	9.735	OLR3A, "	9.31
DVB, Germany	15.20	OLR3B, "	9.37
DJC, "	8.92	OLR4A, "	11.34
DJD, "	11.77	OLR4B, "	11.76
DJL, "	15.11	OLR4C, "	9.33
DJZ, "	11.90	OZF, Denmark	15.21
EAF43, Canarias	7.50	PCJ, Holland	9.69
EAQ, Spain	9.885	PHI, "	17.73
EAR, "	9.49	RAN, U.S.S.R.	9.69
EASAH, Spanish Morocco	14.05	RKL, "	15.08
GB, England	9.81	RNE, "	12.00
GSC, "	9.28	RV96, "	15.18
GSD, "	11.75	SFP, Sweden	11.705
GSE, "	11.88	SPD, Poland	11.03
GSI, "	11.88	SPW, "	12.84
GSP, "	16.14	TFJ, Iceland	12.23
GSO, "	17.79	TOWA, Guatemala	9.685
GSM, "	21.47	TIANRH, Costa Rica	9.68
GSL, "	15.28	TPA3, France	15.34
GSS, "	21.86	TPA3, "	11.48
GSO, "	15.18	TPA4, "	11.71
GSP, "	15.31	TPB7, "	11.885
GSV, "	17.81	TPB11, "	9.33
HAB3, Hungary	15.37	VK2ME, Australia	9.30
HAT4, "	9.12	VLR, "	9.38
HBJ, Switzerland	14.50	YU2A, India	9.58
HBL, "	9.34	YU2B, "	15.29
HBO, "	11.402	WIXAL, Boston, Mass.	11.70
HBP, "	7.10	XEUX, Mexico, D.F.	6.12
HHS, Haiti	8.95	YV5RC, Venezuela	9.37
HPDA, Panama	11.7	ZB3, China	9.33
HPSJ, "	15.23	ZLZ, St. Kitts	9.38
HSP7, "	9.31	ZRK, So. Africa	9.31
IRF, Italy	9.43	ZRI, S.S. Kamimba	4.01
JDY, Kwangtung	9.25	ZRO3, Italy	9.638
JLG3, Japan	11.795	ZRO4, "	11.81
JZJ, "	11.80	ZRO6, "	15.30

Short-wave programs of American stations are shown along with the regular listings beginning on page 10. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

Daily—12:35 a.m., JZJ; 3:20, GSD, GSE, GSF, GSI, GSO; 7:45, JDY; 8:30, GSE, GSF, GSG, GSH, GSI, GSV; 8:55, JZJ; 11, GSD, GSE, GSF, GSI, GSH; 1 p.m., GSD, GSE, GSI, GSG; 1:20, ZRO6 (15.3); 4:10, TPA3; 4:15, GSA, GSB, GSC, GSD, GSO; 4:30, OLR2A; 5:45, DJB, DJD, DJZ; 6, HPSA; 6:30, KAPAH; 7, HPSJ, RAN, RKL, RV96; 7:30, ZRO3, IRF, ZRO4, EAQ; 7:40, GSB, GSC, GSD, GSE; 8, EAJ43; 8:55, JLG3; 8:15, DJB, DJD, DJZ; 8:45, EAQ; 9, EASAH, KAJ43; 10:30, DJB, DJD, DJZ, GSB, GSC, GSD; 11, TPA4, TPB11. Daily except Sundays—7:30 a.m., VLR. Week-days—9:50 p.m., OLR4A.

Sunday, March 26

*3 a.m.—English transmission: RV96
*6:10 a.m.—Program from Kwiyang, China: XPSA (7.01)
*7 a.m.—Transmission to Asia: W6XBE
*7 a.m.—Overseas hour: JZJ (9.535)
*8 a.m.—News: PHJ
*8 a.m.—Variety program: DJL
9 a.m.—Program from Budapest: HAS3
*12:17 p.m.—Arabic program: GSC
*12:30 p.m.—News: W9XA (26.45)
*12:45 p.m.—Ideal Club Marimba Ensemble: TGWA (15.17)
*1:20 p.m.—News in English: ZRO6
1:40 p.m.—Iceland hour: TFJ
*3 p.m.—Program from Rome: ZRO9 (9.67) ZRO6
*5 & 7 p.m.—News: W3XL (17.78)
*5:45 p.m.—English news: DJB DJD DJZ
*5:45 p.m.—Program from Portugal: CSW7
*6 p.m.—Transmission to Latin America: W6XBE
*6 p.m.—News: W9XA (26.45)
*6 p.m.—Program from Guadeloupe: FGBAH (7.44)
*6 p.m.—Fellish program: SPW SPD
*6 & 8 p.m.—Spanish news: W3XL (17.78)
*7 p.m.—Portuguese news: GSE
*7 p.m.—Program from Budapest: HAT4
*7 p.m.—Soviet program: RAN RKL RV96
*7:30 p.m.—English news: EAQ (9.855)
*7:30 p.m.—English news: ZRO3 ZRO4 IRF
*7:45 p.m.—Opera, "Fedora": ZRO3 ZRO4 IRF
*8 p.m.—Overseas hour: JZJ JLG3 (11.705)
*8:30 p.m.—English news: EAQ (9.855)
*8:30 p.m.—Spanish news: GSB
*9:30 p.m.—North American broadcast: Paris Mondial (11.885, 9.62 or 7.28)
*9:30 p.m.—Danish program: OZF
*10 p.m. (ex. Mon.)—Friendship hour: HC1JB (14.43) HC3B (12.46)
*10:30 p.m.—English news: XEUX (6.117)
*10:50 p.m.—English news: YNRF (6.76)
*11 p.m.—English news: Paris Mondial (11.885, 9.62 or 7.28)
*11:45 p.m. (ex. Sat.)—Program from South Africa: ZRK
*12:30 a.m.—Overseas hour: JZJ

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

IN AN air-mail communication from Walter Th. Kammann of Caracas, Venezuela, he advises that all short-wave stations in his country will soon be operating in the new 62-meter band. The new frequencies, most of which will be in effect by the time you read this, are as follows: YV5RN (5.04), "Radio Caracas," Caracas; YV4RQ (5.02), "Radio Puerto Cabello," Puerto Cabello; YV5RM (5.01), "Radiodifusora Venezuela," Caracas; YV5RK (4.97), "Radio Falcon," Coro; YV5RS (4.96), "La Voz de la Pileta," Caracas; YV4RO (4.95), "La Voz de Carabobo," Valencia; YV5RO (4.94), "La Voz de Venezuela," Caracas; YV4RP (4.93), "Radio Valencia," Valencia; YV5RU (4.92), "Estudios Universo," Caracas; YV1RY (4.91), "Radio Coro," Coro; YV6RT (4.90), "Radio Bolivar," Ciudad Bolivar; YV1RX (4.89), "Ondas del Lago," Maracaibo; YV6RU (4.88), "Ecos del Orinoco," Ciudad Bolivar; YV2RN (4.87), "La Voz del Tachira," San Cristobal; YV1RL (4.86), "Radio Popular," Maracaibo; YV1RZ (4.85), "Radio Valera," Valera; YV4RX (4.84), "La Voz de Aragua," Maracaibo; YV5RH (4.83), "Ondas Populares," Caracas; YV3RN (4.82), "Radio Barquisimeto," Barquisimeto; YV1RU (4.81), "Radiodifusora Maracaibo," Maracaibo; YV1RV (4.8), "Ecos del Zulia," Maracaibo; YV5RY (4.79), "La Voz de la Esfera," Caracas; YV1RO (4.78), "Radio Trujillo," Trujillo (under construction); YV1RT (4.77), "La Voz de la Fe," Maracaibo.

The creation of the 62-meter broadcast band was one of the greatest achievements to come out of last year's Cairo conference. Nearly fifty stations will soon be broadcasting in this band. This is quite significant, since it means the simultaneous release of almost as many overcrowded channels in the important 49-meter band. By next winter I predict reception on the 49-meter band will once more be interference-free and enjoyable. Be sure your new all-wave receiver includes the new 62-meter band (5.02 to 4.77 megs), since some of the late models have been omitting frequencies between the 49-meter and broadcast bands.

For the eighth successive year Dau-

entry will broadcast the world-famous Oxford and Cambridge boat race. The broadcast will originate from a small short-wave transmitter aboard the BBC launch Consta, which will follow the crews along the four-and-a-quarter-mile course from Putney to Mortlake. The race can be heard Saturday, April 1, at 5:45 a.m. EST, on GSF, GSG and GSI.

SHORT-WAVE SHORTS: The University Club station at Boston is conducting experimental tests on frequencies of 11.73 and 15.13 megs, using the call WIXAR. . . The following India stations now come on the air nightly at 9:30 p.m. EST: VUD2 (9.59) and VUD3 (15.29) in Delhi, and VUB2 (9.55) in Bombay. VUC2 (9.53), Calcutta, comes on at 10 p.m. EST. . . Charles Guilbert of Paris, France, writes PSE (14.93) of Rio de Janeiro, Brazil, broadcasts a French talk on Saturdays at 3 p.m. EST. . . A new Soviet Moscow-Komintern station is said to be broadcasting on 15.39 megs daily from 3:30 to 7 a.m. EST. . . TGQA (6.4), "The Voice of Quezaltenango, Quezaltenango, Guatemala, operates daily from 8 to 11 p.m. (to 1 a.m. on Sunday mornings) and Sundays from 7:30 a.m. to 3 p.m. EST. . . A Portuguese station, believed to be a new frequency for Emissora Nacional de Lisboa, is being heard frequently on 15.12 megs. . . The short-wave relay of LRI, "Radio El Mundo" in Buenos Aires, Argentina, operates as follows: Daily over LRX (9.66) from 6 to 6:45 a.m. and from 9:15 a.m. to 10 p.m. and over LRU (15.29) from 7 to 9 a.m. EST. . . The International Listeners Association reports that VK2MA (42.86), the first ultra-high-frequency station in Australasia, is now in operation and relaying VK2ME (9.59), Sundays from 1 to 3 and from 5 to 11 a.m. EST. Who will be the first North American listener to hear VK2MA?

The story of Lloyds, established in 1771, one of the most famous institutions in the world, with whose underwriting members it is possible to insure against almost every kind of risk and which has thousands of policy-holders in America, will be told by its chairman, S. J. Aubrey, on Thursday, March 30, at 3:45 p.m. EST, over GSF and GSP.

Monday, March 27

8:30 a.m.—Program from Siam: H56PJ (19.02)
9:10 a.m.—Spanish news: W2XAD (21.5)
9:11 a.m.—English news: ZRO6
9:20 p.m. (ex. Thurs.)—Vatican City program: HJVJ (6.03 or 6.19)
9:30 p.m.—Territorial Army: GSG GSP
9:30 p.m. (ex. Sat.)—News: WIXAL (11.79)
9:35 p.m.—French mail bag: W3XL (17.78)
9:40 p.m.—Broadcast from St. Kitts: ZIZ
9:41 p.m. (ex. Sat.)—Portuguese news: W2XU (11.83)
9:45 p.m. (ex. Sat.)—Science news: WIXAL (11.79)
9:50 p.m.—Travelog: W2XAF (9.53) W2XAD (15.33)
9:55 p.m.—Variety program: HBL HBP
9:55 p.m.—Sports Review: W2XAF (9.53)
9:55 p.m.—Tropical Moods: W2XAD (9.55)
9:55 p.m. (ex. Sat.)—News: W2XE (11.83)
9:55 p.m. (ex. Sat.)—North American program: OLR4A
9:55 p.m.—Brazil on the Air: PSH (10.22)
9:55 p.m. (ex. Sat.)—Programs for Latin America: WIXAL (11.73)
9:55 p.m.—Choir of Berlin University: DJB DJD
9:55 p.m. (ex. Sat.)—Czechoslovak news: OLR4A
12:45 a.m.—Euphonie Chorus: JZJ

Tuesday, March 28

11:25 a.m.—The Alpine Hut: GSF GSG
11:25 p.m.—DX news: W9XA (26.45)
12 p.m.—Educational program: W2XAD (15.33)
12:45 p.m.—Story, "The War Memorial": GSG
1 p.m.—Folk music: WIXAL (11.79)
1 p.m.—Happy Family: DJB DJD DJZ
6:20 p.m.—This is France: GSC GSD
6:45 p.m.—Opera, "The Beggar Student": DJB
7:30 p.m.—Round Table on American Public Policy: WIXAL (6.04)
8 p.m.—Band of H. M. Scots Guards: GSC GSD
9 p.m.—Happy Program from Holland: PCJ (9.59)
9:15 p.m.—Description of Holland: PCJ (9.59)
11:11 p.m.—Tahiti on the Air: FORAA (7.1)

Wednesday, March 29

7:30 a.m.—At the Black Dog: GSF GSG GSI
11:40 a.m.—"World Affairs," J. L. Briery: GSF
1:20 p.m.—Centenary Celebrations: GSG GSI
2 p.m.—Educational program: W2XAD (15.33)
3 p.m.—BBC Symphony Orchestra; Sir Adrian Boult, conductor: GSG GSP
6:15 p.m.—Vera Amalick-Stanier, vocalist: DJB
7 p.m.—North American Hour: ZIZ
7:15 p.m.—"HOLLIS" program: PCJ (9.59)
*8 p.m.—North American program: SBP
8:30 p.m.—Jamaica on the Air: HHS2 (5.95)
9:15 p.m.—Otto Fricke's orchestra: DJB DJD
10:50 p.m.—Hanwell Silver Band: GSC GSD
12:45 a.m.—Miss Fumiko Asahiki, pianist: JZJ

Thursday, March 30

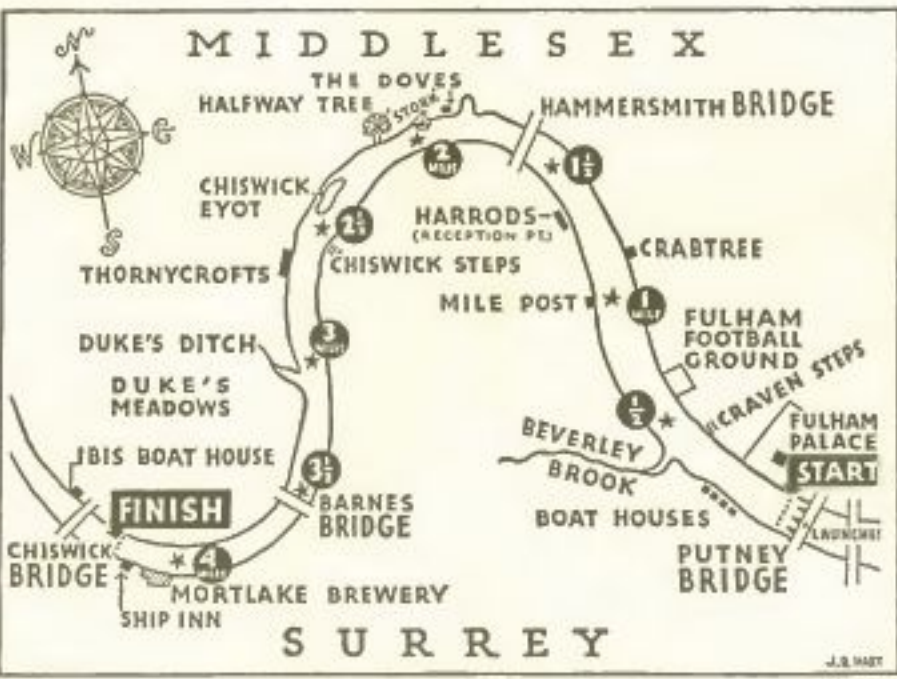
10 a.m.—Worcestershire Hunt Point-to-Point: GSF GSG GSI
12:15 p.m.—DX news: W9XA (26.45)
3:45 p.m.—"The City of London, Lloyds": GSG
5:25 p.m.—Harry Roy's Band: GSC GSD GSO
6:45 p.m.—Scenes from "Wilhelm Tell": DJB
8:15 p.m.—Rosita Jeanna Wade: ZRO3 ZRO4
8:30 p.m.—Splendors of Literature: WIXAL (6.04)
9:15 p.m.—Little German ABC: DJB DJD DJZ
9:40 p.m.—BBC Empire Orchestra: GSC GSD
12:45 a.m.—Popular songs: JZJ

Friday, March 31

11:35 a.m.—Play, "Last Words to All": GSF
2 p.m.—Opera, Verdi's "Il Trovatore": GSG GSP
4:40 p.m.—Men's Foil Championships: GSC GSD
5 p.m.—News: LRA (18.115, 9.69)
6:35 p.m.—Carroll Gibbons' orchestra: GSC GSD
7:30 p.m.—Home Towns in America: WIXAL (6.04)
7:45 p.m.—Guest night: ZRO3 ZRO4 IRF
8 p.m.—Easo hour: COCH
8:15 p.m.—Listeners' Mail Bag: WIXAL (6.04)
9 p.m.—Special Program to Canada: DJB DJD
10:05 p.m.—Talk by Empire Service Director: GSC GSD
1 a.m.—Voice of Hawaii: KQH (14.92) KKH (7.52)

Saturday, April 1

5:45 a.m.—Oxford and Cambridge Boat Race: GSF GSG GSI
9:20 & 11:45 a.m.—Motor Racing: GSF GSG GSI
2:30 p.m.—In Town Tonight: GSG GSP
3 p.m.—Music Hall: GSG GSI
5:15 p.m.—Saturday Afternoon Variety: WIXAL (11.79)
6 p.m.—Tourist Hour: HPSA
6:30 p.m.—Music Hall: GSC GSD
8 p.m.—Hour of Costa Rica: TIGP (6.41)
9 p.m.—Dance music: YV5RC
9:30 p.m.—Hawaii Calls: KQH (14.92) KKH (7.52)
2 a.m.—International DX'ers Alliance Good-Will Program from Guatemala: TG2 (6.195)



Listeners to the annual classic, the Oxford vs. Cambridge boat race, heard Saturday, April 1, at 5:45 a.m. EST over GSF, GSG and GSI, will find it easier to follow the description of the race with this diagram

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CSWT, Portugal	9.735	JZJ, Japan	11.80
DJB, Germany	11.20	JZK, "	11.18
DJD, "	11.77	JZL, "	17.955
DJL, "	15.11	OLR45, Bohemia	11.24
DJE, "	11.89	OPF, Denmark	9.22
EJ43, Canarias	7.50, 10.37	OZP, "	12.22
KAR, Spain	9.49	PCJ, Holland	9.55, 17.75
KASAH, Spanish Morocco	14.06	PHL, U.S.S.R.	9.40
EIRE, Ireland	17.94, 9.555	RAN, U.S.S.R.	15.06
GBB, England	9.51	RKL, "	12.00
GSD, "	9.53	RNE, "	15.12
GSE, "	11.75	RV96, "	11.705
GSH, "	11.82	SPD, Poland	11.53
GSI, "	11.84	SPW, "	13.94
GSO, "	11.84	TFZ, Iceland	12.20
GSP, "	11.84	TGWA, Guatemala	15.17
GSS, "	11.75	TIARRH, Costa Rica	9.688
GST, "	11.87	TPA1, France	15.24
GSI, "	11.84	TPA3, "	11.68
GSO, "	11.84	TPA4, "	11.71
GSP, "	11.84	TPB7, "	11.485
GST, "	11.84	TPB11, "	9.55
KASZ, Hungary	15.07	VKSMZ, Australia	9.59
HAT4, "	9.12	VLR, "	9.58
HBJ, Switzerland	14.535	VUD3, India	9.59
HBL, "	9.34	VUD3, "	12.20
HBO, "	11.955	WIKAL, Boston, Mass.	11.705
KBP, "	7.40	11.25, 11.75, 6.94	
KH2B, Haiti	5.865	XFUZ, Mexico, D.F.	6.12
HP5A, Panama	11.7	YVSEN, Venezuela	5.04
HP5G, "	11.78	ZB W3, China	9.525
HP5J, "	9.60	ZLZ, St. Kitts	8.285
H86PJ, Siam	15.23	ZRL, S. Africa	9.61
KH2PT, "	9.61, 15.02	ZRL, S.S. Kanimbia	6.01
IRF, Italy	9.83	ZRO3, Italy	9.635
JDY, Kwantung	9.925	ZRO4, "	11.81
JLGS, Japan	11.705	ZRO5, "	12.30

Short-wave programs of American stations are shown along with the regular listings beginning on page 26. These are indicated, for example, by (sw-11.87) 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; 3:00, GSB, GSD, GSF, GSI, GSO; 7:45, JDY; 8:15, GSE, GSF, GSG, GSH, GSI, GSV; 8:55, JZJ; 11, GSD, GSE, GSF, GSG, GSH; 1 p.m., GSC, GSD, GSE, GSG; 1:20, ZRO6 (15.3); 4:10, TPA3; 4:20, OLR4A; 4:30, GSB, GSC, GSD, GSF, GSO, GSP; 5:45, DJB, DJD, DJZ; 6, HP5A; 6:30, EA9AH; 7, HP5J, RAN, RKI, RV96; 7:30, GSB, GSD, GSE, ZRO3, ZRO4, IRF, EAQ; 8, EAJ43; 8:05, JZL; 8:15, DJB, DJD, DJZ; 9, EA9AH, EAJ43; 9:30, OLR4A; 10:30, DJB, DJD, DJZ; 11, TPA4, TPB11, GSB, GSC, GSD.

Daily except Sundays—7:30 a.m. VLR.

Sunday, April 16

- *7 a.m.—Program from Chungking, China: XGOY (9.5)
- *7 a.m.—Transmission to Asia: W6XBE (9.53)
- *7 a.m.—Overseas hour: JZK
- *8 a.m.—News: PHI
- *8 a.m.—Overseas hour: JZJ
- *8 a.m.—Variety program: DJL
- *8:30 a.m.—Program from Ireland: EIRE (17.84)
- *12:17 p.m.—Arabic program: GSC
- *12:30 p.m.—Program from Ireland: EIRE (17.84 or 9.555)
- *12:30 p.m.—News: HP5G
- *12:30 p.m.—News: W9XA (26.45)
- *1:20 p.m.—English news: ZRO6
- *3 p.m.—Program from Rome: ZRO9 (9.67) ZRO6
- *4:20 p.m.—English news: OLR4A
- *5 (& 7) p.m.—Portuguese news: W3XL (17.78)
- *5:45 p.m.—English news: DJB DJD DJZ
- *5:45 p.m.—Portuguese program: CSW7
- *6 p.m.—Program from Guadeloupe: FG8AH (7.44)
- *6 p.m.—Polish program: SPW SPD
- *6 (& 8) p.m.—Spanish news: W3XL (17.78)
- *6:45 p.m.—Spanish news: Radio Malaga (14.44)
- *7 p.m.—Portuguese news: GSE
- *7 p.m. (ex. Sat.)—Program from Budapest: HAT4
- *7 p.m.—Soviet program: RAN RKI RV96
- *7:30 p.m.—English news from Italy: ZRO8 IRF ZRO4
- *7:55 p.m.—Transmission for North America: OLR4A
- *8 p.m.—Overseas hour: JZL
- *8:30 p.m.—Spanish news: GSB
- *9:30 p.m.—English news: OLR4A
- *9:30 p.m.—Program from Chungking, China: XGOX (17.81)
- *9:30 p.m.—Danish program: OZF
- *9:30 p.m.—Hindustani program: VUD3 (15.29)
- *10 p.m. (ex. Mon.)—Friendship hour: HCTJB (14.43) HC2JB (12.46)
- *10:30 p.m.—English news: XEUX (6.117)
- *10:50 p.m.—English news: YNRF (6.76)
- *11 p.m. (ex. Wed. Fri.)—Marimba concert: TGWA
- *11 p.m.—English news: Paris Mondial (11.885 or 7.28)
- *11:45 p.m. (ex. Sat.)—Program from South Africa: ZRL
- *12 mid.—English news: ZRL
- *12:30 a.m.—Overseas hour: JZK

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

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

BROADCASTING in Poland is under the control of Polskie Radio (the Polish Radio Company), owned and operated by the Polish government. At present, Polskie Radio has six short-wave transmitters at Warsaw, which are operated daily as follows: SPW (13.635), power 10,000 watts and SPD (11.535), power 2,000 watts, beamed on North America from 6 to 9 p.m.; SP19 (15.12) and SP25 (11.74), power 5,000 watts each, beamed on South America, from 6 to 9 p.m.; SP31 (9.525) and SP48 (6.14), power 5,000 watts each, beamed on Europe from 3 to 5:30 p.m. EST. SPW is the only one of the above stations that is heard with any degree of regularity in the United States. Powerful new 50,000-watt transmitters, which will replace SPW and SPD in the service to North America, are being rushed to completion, and these will probably operate under the calls SPM and SPN. August Balbi of Los Angeles, Calif., recently heard a powerful new Polish transmitter on 15.38 megs, testing between midnight and 1 a.m. EST. This was undoubtedly a preliminary test over one of the new stations mentioned above. Reception of any Polish short-wave station will be promptly verified with an attractive QSL card, and all reports should be sent to Polskie Radio, Warsaw, 5 Mazowiecka Street, Poland.

In the top ranks of popularity are the "Happy Hour" programs from the Netherlands, transmitted to North America over PCJ (9.59) as follows: On Sundays from 7:15 to 9:50 p.m.; on Tuesdays from 9 to 10:30 p.m., and on Wednesdays from 7:15 to 8:40 p.m. EST.

In response to many inquiries, the following list of stations are operating regularly on the eleven-meter band: W2XQO (26.55), New York, N. Y., daily, 12 noon to 9 p.m. EST . . . W9XTA (26.50), Harrisburg, Ill., daily, 2 to 4 p.m. . . W9XA (26.45), Kansas City, Mo., daily, from 10 a.m. to 1 p.m. and from 3 to 7 p.m. . . W9XAZ (26.40), Milwaukee, Wis., daily from 1 p.m. to 12 midnight . . . W2XJI (26.30), New York, N. Y., daily, from 12 noon to 6 p.m. . . W9XUP (26.15), St. Paul, Minn., daily, from 8 a.m. to 1 a.m. . . W4XA (26.15), Nashville, Tenn. . . W9XJL (26.10), Superior, Wis., daily, from 10 a.m. to 8 p.m. . . W9XTC (26.05), Minneapolis, Minn., from 9 a.m. to 9 p.m. . . W9XH (26.05), South Bend, Ind. . . W8XNU (25.95), Cincinnati, Ohio, daily, from 7 a.m. to 1 a.m. . . W6XKG (25.95), Los Angeles, Calif. 24 hours daily. All times are EST.

Earle C. Anthony, Inc., Los Angeles, Calif., owner of broadcast station KFI, has requested a construction permit for a 1,000-watt television station to operate on frequencies of 42 to 56 megs.

The completely revised schedule of daily overseas broadcasts from Tokyo, Japan, is as follows: 12:30 to 1:30 a.m., beamed on Pacific Coast of North America, over JZK (15.16); 7 to 7:30 a.m., beamed on eastern North America, over JZK (15.16); 8 to 9:30 a.m., beamed on China and the South Seas, over JZJ (11.8) and JZL (15.16); 2:30 to 4 p.m., beamed on Europe, over JLT2 (9.645) and JLG3 (11.705); 4:30 to 5:30 p.m., beamed on South America, over JZJ (11.8) and JZL (17.785), and 8 to 8:30 p.m., beamed on eastern North America, over JZL (17.785). This latter period over the new frequency, JZL is being received with strong

signals, but care must be exercised in tuning as it is only five kilocycles above W3XL (17.78) of New York, N. Y. . . Chungking, China, is now being exceptionally well received in western North America daily over XGOV (11.91) from 7 to 10:30 a.m., and over XGOX (17.81) from 9:30 to 11:30 p.m. EST.

W6XBE on Treasure Island at San Francisco, Calif., is now broadcasting to Asia, daily from 7 to 10 a.m. EST, on a new frequency of 9.53 megs.

SHORT-WAVE SHORTS: TGWA, "The Voice of Guatemala," is now broadcasting most of its evening programs on a frequency of 15.17 megs. TGWC (2.307) a new sister station to TGWA, has been inaugurated . . . WIXAL, Boston, relays programs of the Mutual Broadcasting System, on a frequency of 21.46 megs, Tuesdays, Thursdays and Saturdays, from 11 a.m. to 12 noon EST . . . According to a letter received by J. E. Gardner of Cleveland, Ohio, the new station at Athlone, Ireland, is known as "Radio EIRE" . . . George Williams, the most popular English-speaking news commentator in Latin America, has been given complete charge of the programs of short-wave station HP5G (11.78) of Panama City. The new International Hour, heard daily over this station from 12 noon to 1 p.m. EST, includes the news in English at 12:30 p.m. EST . . . All short-wave stations in the Republic of Colombia must move to the new 61-meter tropical broadcast band or go off the air before July 1 . . . According to Egyptian Radio, TPZ (12.12), a commercial station at Algiers, Algeria, is now transmitting programs in Arabic and French, daily from 2 to 2:30 p.m. EST . . . The government of Iran has placed an order with Standard Telephones and Cables for the manufacture of two short-wave transmitters, one to have a power of 20,000 watts, the other to have a power of 2,000 watts. Two mobile units are also to be supplied . . . According to Alfred Tuff of London, England, OZG (11.805), a new frequency for the Danish station at Skamlebak, is now on the air daily from 2 to 6:30 p.m. EST . . . RV96 (15.18) of Moscow, U. S. S. R., is being received with loud signals irregularly from 12:15 to 2 a.m. EST . . . The Kweiyang, China, station which operates on 7.01 megs daily from 6 to 11 a.m. EST, is definitely XPSA, according to a letter from Yu. Hsiu Tung of that station . . . A Bucharest, Roumania, transmitter is said to be operating on the 19-meter band. The exact frequency is not known as yet.

When the King and Queen of Great Britain visit Canada and the United States this year they will be accompanied by the band of the Portsmouth Division of the Royal Marines. This band will provide orchestral music for the king and his guests, will play on ceremonial occasions and may undertake some private and public engagements on both sides of the border. The band will be heard on Tuesday, April 18, at 8 p.m. EST, over GSD and GSB.

The new 25,000-watt Swiss Government station at Schwarzenburg, which will be inaugurated within a few days, will broadcast four programs a week to North America and South America, one program a week to Australia and the Near East, and daily programs to Africa and Europe. After a few months, daily transmissions to North America will be put into effect.

Monday, April 17

- 8:30 a.m.—Program from Siam: H86PJ (19.02)
- 9:50 a.m.—Teatime cabaret: GSF GSG GSI
- 10 a.m.—Spanish news: W2XAD (21.5)
- 11 a.m.—English news: ZRO6
- 12:45 p.m.—Popular marimba music: TGWA
- 12 p.m. (ex. Thurs.)—Vatican City program: HVJ (6.03 or 6.19)
- 13:30 p.m. (ex. Sat.)—News: WIXAL (11.79)
- 3:35 p.m.—Tommy Matthews' orchestra: GSG
- 8:45 p.m.—French mail bag: W3XL (17.78)
- 74 p.m.—Broadcast from St. Kitts: ZLZ
- 94 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)
- 14:55 p.m. (ex. Sat.)—Scientific news: WIXAL (11.79)
- 5:30 p.m.—Travelog: W2XAF (9.53) W2XAD (15.33)
- 76 p.m.—News: WIXAL (11.79)
- 6 p.m.—English program: Radio Martinique (9.7)
- 6:25 p.m.—Song Parade: GSB GSD
- 7:30 p.m.—Variety program: COCQ (8.85)
- 8:45 p.m.—Sports review: W2XAF (9.53)
- 7 p.m.—Music of Brazil: W2XAD (9.55)
- 17:15 p.m. (ex. Sat.)—Portuguese news: W2XE (11.83)
- 8 p.m.—Brazil on the Air: PSH (10.22)
- 9 p.m.—Concert hall: W2XAD (9.55)
- 19:15 p.m. (ex. Sat.)—Latin American program: WIXAR (11.73)
- 9:30 p.m.—Special broadcast for Michigan: DJB
- 10 p.m.—Guatemalan program: TGWA

Tuesday, April 18

- 8:40 a.m.—Tuliptime: PHI
- 10:25 a.m.—"Arms and the Man": GSF GSG GSI
- 11:25 a.m.—DX news: W9XA (26.45)
- 12 p.m.—Music in the Air: GSG GSD
- 6:15 p.m.—Leo Eysoldt's orchestra: DJB DJD
- 8 p.m.—Band of H. M. Royal Marines: GSD GSB
- 11:15 p.m.—Program from Belize, British Honduras: ZIK3 (5.3)
- 9 p.m.—Happy program: PCJ (9.59)
- 9:05 p.m.—Music by Cugat: W2XAF (9.53)
- 11:1 p.m.—"Tahiti on the Air": FO8AA (7.1)
- 12:45 a.m.—Samisen music: JZK

Wednesday, April 19

- 7:45 a.m.—Paris songs: PHI
- 10 a.m.—"The History of the Jews," J. W. Parkes: GSF GSG GSI
- 11:15 a.m.—"World Affairs," H. V. Hodson: GSF
- 11:30 a.m.—Henry Hall's orchestra: GSF GSG
- 2 p.m.—BBC Symphony Orchestra; Sir Adrian Boult, conductor: GSD GSP
- 5:15 p.m.—Little short-wave cabaret: DJB DJD
- 6:15 p.m.—Opera, "The Gypsy Baron," Johann Strauss: DJB DJD DJZ
- 7 p.m.—Happy program: PCJ (9.59)
- 8 p.m.—North American program: SBP
- 8:30 p.m.—Jamaica on the Air: H825 (5.295)
- 9:15 p.m.—Dances and songs: DJB DJD DJZ
- 10 p.m.—Opera from Guatemala City: TGWA

Thursday, April 20

- 12:15 p.m.—DX news: W9XA (26.45)
- 1:30 p.m.—Een Johnson's Orchestra: GSG GSD
- 4:05 p.m.—Talk, "Food for Thought": GSD GSP
- 5:30 p.m.—Talk, "The Peasants' War": DJB
- 5:30 p.m.—Science forum: W2XAF (9.53) W2XAD (15.33)
- 6:45 p.m.—Hitler's birthday: DJB DJD DJZ
- 8 p.m.—Enfield Central Band: GSD GSB
- 9:25 p.m.—BBC Empire Orchestra: GSG GSD
- 9:30 p.m.—Talk, "Men Break Menopoles": DJB
- 10:25 p.m.—At the Black Dog: GSG GSD

Friday, April 21

- 7:15 a.m.—Birmingham Philharmonic String Orchestra: GSF GSG GSI
- 7:45 a.m.—Wiener-Schrammel Quartet: PHI
- 1:30 p.m.—Microphone menu for men: GSG GSD
- 4:30 p.m.—Church in the Wildwood: W2XAF (9.53) W2XAD (15.33)
- 5 p.m.—Modern radio: WIXAL (11.79)
- 5 p.m.—News: LRA (18.115-9.09)
- 6:15 p.m.—Arabian fairy-tales: DJB DJD DJZ
- 7:45 p.m.—Guest night: ZRO3 ZRO4 IRF
- 8:15 p.m.—Amy Bernardy: ZRO3 ZRO4 IRF
- 9 p.m.—Margret Minge, pianist: DJB DJD DJZ
- 9:15 p.m.—Symphony concert: DJB DJD DJZ
- 11:15 p.m.—Cards on the Table: GSG GSD
- 1 a.m.—Voice of Hawaii: KQH (14.92) KKH (7.52)

Saturday, April 22

- 9:45 a.m.—Amateur Football Cup Final: GSF GSG
- 1:30 p.m.—In Town Tonight: GSG GSD
- 2 p.m.—Music Hall; Carson Robison's Buckaroos: GSG GSD
- 4:30 p.m.—Understanding music: WIXAL (11.79)
- 5 p.m.—Dance floor: DJB DJD DJZ
- 6 p.m.—Tourist hour: HP5A
- 6:15 p.m.—Dance music: DJB DJD DJZ
- 8 p.m.—Livio Mannoel string orchestra: GSD
- 8 p.m.—Hour of Costa Rica: TYPG (9.695)
- 8:30 p.m.—Aloha Land: W2XAD (9.53)
- 9:30 p.m.—In Town Tonight: GSG GSD
- 10 p.m.—Opera: OAXAJ
- 2 a.m.—International DX'ers Alliance Good-will program from Guatemala: TG2 (6.195)

Log of Short-Wave Stations Whose Programs Are Listed

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

(Megacycles or thousands of kilocycles above)

CSW7, Portugal	8.720	JZJ, Japan	11.80
DJB, Germany	18.20	JZK, "	18.18
DJD, "	11.77	JZL, "	17.78
DJL, "	18.11	OLR43, Bohemia	11.84
DJZ, "	11.44	OEZ, Denmark	8.28
EAJ43, Canarias		GZM, "	18.89
	7.10, 18.37	PCJ, Holland R.M.	18.89
EASAM, Spanish Morocco	14.00	RAN, U.S.S.R.	9.60
EIRE, Ireland		RKI, "	18.85
	17.84, 9.195	RNE, "	12.0
GSB, England	9.81	RV98, "	19.1
GSC, "	9.84	SFP, Sweden	11.780
GSD, "	11.75	SPD, Poland	11.83
GSE, "	11.44	SPW, "	18.84
GSP, "	18.14	TFJ, Iceland	18.20
GSO, "	17.78	TOWA, Oostmala	18.17
GSM, "	81.47	TJGRM, Czeck	
GSS, "	18.80	Nice	9.690
GST, "	21.89	TPA3, France	18.94
GTO, "	18.18	TPA3, "	11.88
GTV, "	18.21	TPA4, "	11.71
GSV, "	17.81	TPB7, "	11.866
HASD, Hungary	18.87	VKSK, Australia	9.89
HAT8, "	9.18	VLR, "	9.88
HBJ, Switzerland	14.338	YDD3, India	9.89
HDL, "	9.84	YDD3, "	18.29
HBD, "	11.408	WIXAL, Boston, Mass.	
HBP, "	7.20		15.20, 11.70
HK38, Haiti	9.845	XEDZ, Mexico, D.F.	8.28
HP3A, Panama	11.7	YV32, Venezuela	8.94
HP60, "	11.78	ZBWS, China	8.530
HP6J, "	9.80	ZLH, N. Africa	8.281
HS4P2, Siam	18.83	ZNL, S. Africa	8.81
HS4P3, "	9.81, 18.88	ZNL, S. Africa	8.81
IRF, Italy	9.83	ZRO3, Italy	9.638
JDY, Kwangtung	8.928	ZRO4, "	11.81
JLO3, Japan	11.704	ZRO4, "	18.20

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News Broadcasts

Daily—12:35 a.m., JZK; 1:30, GSB, GSD, GSF, GSI, GSO; 7:45, JDY; 8:15, GSE, GSP, GSG, GSH, GSJ, GSV; 8:55, JZJ; 11, GSD, GSE, GSF, GSG, GSH; 1 p.m., GSB, GSC, GSD, GSG; 1:20, ZRO6 (15.3); 4:10, TPA3; 4:20, OLR44; 4:30, GSB, GSC, GSD, GSF, GSO, GSP; 6, DJB, DJD, DJZ, HP5A; 6:30, EA9AH; 7, HP5A, HAN, RKI, RV98; 7:30, GSB, GSD, GSE, ZRO3, ZHO4, IRF, EAQ; 8, EAJ43; 8:05, JZL; 8:15, DJB, DJD, DJZ; 9, EA9AH, EAJ43; 9:30, OLR44; 10:30, DJB, DJD, DJZ; 11, TPA4, YV31, GSB, GSC, GSD.

Daily except Sundays—7:30 a.m. VLR.

Sunday, April 23

4:30 a.m.—Opening Service of London Musical Festival: GSF GSG GSJ
 7 a.m.—Overseas hour: JZK
 8 a.m.—News: PIII
 8 a.m.—Variety program: DJL
 8:30 a.m.—Program from Ireland: EIRE (17.84)
 12 noon—International hour: HP5G
 12 noon—Message to Boy Scouts by Lord Somers: GSG
 12:17 p.m.—Arabic program: GSC
 12:30 p.m.—Great Britain's Greeting to the New York World's Fair: GSG GSD
 12:30 p.m.—Program from Ireland: EIRE (17.84 or 9.595)
 12:30 p.m.—English news: HP5G
 1:20 p.m.—English news: ZRO6
 3 p.m.—Program from Rome: ZHO9 (9.67) ZRO6
 4:20 p.m.—English news: OLR44
 4:30 p.m.—News: GSD GSP
 5 & 7 p.m.—Portuguese news: W3XL (17.78)
 5:45 p.m.—Program from Portugal: CSW7
 6:00 p.m.—English news: DJB DJD DJZ
 6 p.m.—Program from Guadeloupe: FGBAH (7.44)
 6 p.m.—Polish program: SPW SPD
 6:15 p.m.—News: ZRO9
 6:45 p.m.—News: Radio Malaga (14.44)
 7 p.m.—English Radio Newspaper: HP5G
 7 p.m.—Portuguese news: GSE
 7 p.m.—Soviet program: RAN RKI RV98
 7:30 p.m.—English news: ZHO3 ZRO4 ZRO6
 7:45 p.m.—Opera, "Madame Butterfly": ZRO3 ZRO4 ZRO6
 7:45 p.m.—News: GSB GSD
 8:15 p.m.—English news: DJB DJD DJZ
 9:30 p.m.—North American broadcast: Paris Mondial (11.885 or 7.28)
 9:30 p.m.—News: OLR44
 9:30 p.m.—Danish program: DZF
 10 p.m. (ex. Mondays)—Friendship hour: HC1JB (14.43) HC2JB (12.46)
 10:30 p.m.—News: XEUZ (6.117)
 10:30 p.m.—News: DJB DJD DJZ
 10:50 p.m.—News: VNHF (6.76)
 11 p.m.—News: GSB GSC GSD
 11 p.m. (ex. Wed. and Fri.)—Marimba concert: TGWA
 11 p.m.—English news: Paris Mondial (11.885 or 7.28)
 11:45 p.m. (ex. Sat.)—Program from South Africa: ZRL

NEWS COMMENTARIES FROM EUROPE: All ears are again tuned to Europe as another crisis in the struggle between the democracies and dictator countries for control of Central Europe becomes imminent. News commentaries overshadow all other radio programs in importance at the moment. You can tune in English news periods direct from the capitals of the "Big Four" countries, as follows: London, daily, at 4:30 p.m., over GSD and GSP; at 7:45 p.m., over GSB and GSD; and at 11 p.m., over GSB, GSC and GSD; Paris, daily, at 11 p.m., over TPB7; Berlin, daily, at 6:00, 8:15 and 10:30 p.m., over DJB, DJD and DJZ; and Rome, daily at 7:30 p.m. EST, over ZRO3, ZRO4, ZRO6 and IRF. Don't miss H. Wickham Steed's shrewd political analysis, "World Affairs," to be heard from London, on Wednesday, April 26, at 7:30 p.m. EST, over GSB and GSD. The "Press Review," from Berlin, on Wednesdays at 9 p.m. EST, over DJB, DJD and DJZ is of interest from the standpoint of giving the totalitarian slant on current affairs.

On Saturday, April 29, the English soccer season once again comes to a spectacular climax with the Cup final, which will be broadcast in its entirety, starting at 8:50 a.m. EST, over stations GSF, GSG and GSJ.

From April 23 to May 28, the eyes and ears of the world's music-lovers will be focused on London, attracted by what is probably the greatest organized event in Britain's musical history—the London Music Festival. The festival has attracted the most distinguished conductors and artists of the present day—Toscanini, Bruno Walter, Sir Thomas Beecham and Kreisler, to mention only a few. The festival will include nine concerts of chamber-music, nine opera and ballet performances, thirteen orchestral concerts, nine programs of church music and six dramatic performances. Nine of the principal orchestral concerts and forty-six events in the five-week program will be broadcast over the Empire stations at Daventry, England. The inaugural ceremony, which will take the form of a service at Westminster Abbey, the address being given by the Archbishop of York, will be broadcast on Sunday, April 23, at 4:30 a.m. EST, over GSF, GSG and GSJ. On Monday, April 23, at 2:15 p.m. EST, the opening orchestral concert at Queen's Hall, in which Bruno Walter is to conduct the London Symphony Orchestra, will be broadcast over stations GSD and GSG. The Lencr String Quartet will be heard on Thursday, April 27, at 2:30 p.m. EST, over GSD and GSG.

Don Williams of Santa Ana, Calif., writes the new Saigon, French Indo-China station on 6.116 megs, broadcasts an English program week-days from 8:45 to 9 a.m., and on Sundays from 8 to 9 a.m. EST. The power is 1,000 watts. Reports are solicited, and these should be sent to P. O. Box 238, Saigon, French Indo-China.

Weekly transmissions are being made by the New York World's Fair Radio Club on Fridays at 9:45 and 10:15 p.m. EST. The first QST originates on the 5-meter band and is rebroadcast by numerous amateur stations on other bands. The second transmission originates on the 10-meter band and is also rebroadcast by various amateurs on other frequencies. Kay L. Kibling, W211XQ, 336 Oakland Beach Ave., Rye, N. Y., chairman of the entertainment committee of the club, rebroadcasts both

transmissions on 3.95 and 14.2 megs, respectively. Anyone hearing these unique transmissions should report them both to the World's Fair Radio Club, Flushing, N. Y., and to the station over which they heard the rebroadcast. By doing so they will receive a QSL card from both places, and the World's Fair Radio Club cards are most attractive.

Radio Press Service reports a clandestine short-wave transmitter is in operation in or near Damascus, Syria. During the broadcasts, which take place on a frequency of approximately 9.68 megs, an Arab voice may be heard inciting the Syrians to resistance and to a rising.

SHORT-WAVE SHORTS: According to information from Roumania, an experimental station at Bucharest, power 300 watts, is broadcasting experimentally on a frequency of 9.23 megs. Listeners, however, report this transmitter as being heard on a frequency of 8.57 megs irregularly from 8:15 to 10:30 a.m. and from 4 to 7 p.m. EST. . . . The General Electric Company of Schenectady, New York, has received a license for its new 100,000-watt transmitter, which will soon be put into operation on any one of the following frequencies: 6.19, 9.53 or 21.50 megs. Other 100,000-watt short-wave transmitters are said to be in operation at Rome, Italy, and at Moscow, U. S. S. R. The one at Moscow is being used in connection with experimental broadcasts over RV98 (9.52 and 15.18) . . . With the introduction of WIXAR, a 20,000-watt sister-station to WIXAL, the World Wide Broadcasting Foundation of Boston, Mass., now finds it possible to broadcast its interesting educational programs simultaneously on two different frequencies. . . . The new Guatemala City station, TGWC, relays TGWA on 2.32 megs, rather than 2.308 megs previously reported.

Jacques Jacquemard of Alger, Algeria, writes commercial station TPZ (8.95) of that city, is broadcasting a program to Asia on the first and third Tuesday in each month, starting at 4 p.m. EST. . . . XEQQ (6.98), a new Mexico City station, is relaying broadcast station XEQ of that city, nightly.

As an "Oddity in the News," on Walter Winchell's program of April 9, he reported German and Italian short-wave stations were said to be broadcasting in the 40-meter amateur band, off of their assigned frequencies. The amateurs were consequently doing their best to drown out these encroaching transmissions. During the Cairo Conference of 1938, that section of the 40-meter amateur band extending from 7.2 to 7.3 megs, inclusively, was reassigned as a new broadcast band for the use of European short-wave stations, to be effective on September 1, 1939. The following frequencies in this band have already been assigned: 7.22 to ZRO11 at Rome, Italy; 7.28 to TPB11 at Paris, France; 7.29 to DJ1 at Berlin, Germany, and two tentative frequencies to Great Britain for use in connection with two powerful new transmitters being built for express service on this band. These stations, therefore, have a legal right to broadcast on these frequencies after September 1, and presumably to conduct test transmissions prior to that date. The only station that thus far has been broadcasting at all regularly on this new band is, oddly enough, "Paris Mondial" (7.28) of Paris, France, a democratic station, and not one of the dictator-operated stations of Germany or Italy.

Monday, April 24

88 a.m.—Program from Siam: ffs6PJ (19.02)
 110 a.m.—News: W2XAD (21.5)
 111 a.m.—English news: ZRO6
 112:45 p.m.—Popular marimba music: TGWA
 12 p.m. (ex. Thurs.)—Vatican City program: IIVJ (6.03 or 6.19)
 2:15 p.m.—London Music Festival Concert: GSG
 3:30 p.m. (ex. Sat.)—News: WIXAL (11.79) WIXAR (15.13)
 8:3:45 p.m.—French mail-bag: W3XL (17.78)
 14 p.m.—Broadcast from St. Kitts: Z1Z
 14 p.m. (ex. Sat.)—News: W2XE (11.88)
 14:55 p.m. (ex. Sat.)—Scientific data: WIXAL (11.79) WIXAR (15.13)
 16 p.m.—News: WIXAL (11.79) WIXAR (15.13)
 16:30 p.m.—Variety program: COCQ (8.85)
 16:45 p.m.—Sports review: W2XAF (9.53)
 7 p.m.—Music of Brazil: W2XAD (9.55)
 7:15 p.m. (ex. Sat.)—News: W2XE (11.88)
 7:30 p.m.—Today in Germany: DJB DJD DJZ
 8 p.m.—Brazil on the Air: PSH (10.22)
 9 p.m.—Concert Hall: W2XAD (9.55)
 11:15 p.m. (ex. Sat.)—Programs for Latin America: WIXAR (11.79) WIXAL (15.13)
 10 p.m.—Band concert: TGWA
 12:45 a.m.—Okrako solns: JZK
 1:45 a.m.—Anzac Day, 1939: GSB GSD GSJ

Tuesday, April 25

5:10 a.m.—Bells and Anzac Day Commemoration Service: GSF GSG GSJ
 11:45 p.m.—DX news: W9XA (26.45)
 2:35 p.m.—Royal Society of St. George Annual Banquet: GSG GSD
 3 p.m.—Music in the Air: GSG GSD
 11:15 p.m.—Program from Belize, British Honduras: ZIK3 (5.3)
 8:30 p.m.—Concert Master: W2XAD (9.55)
 9 p.m.—Happy Program: PCJ (9.59)
 9:15 p.m.—Description of Holland: PCJ (9.59)
 10 p.m.—Concert Orchestra: TGWA
 11:1 p.m.—Tahiti on the Air: FO8AA (7.1)

Wednesday, April 26

8:55 a.m.—Meeting of the PHOH Club: PIII
 11:15 a.m.—"World Affairs," H. Wickham Steed: GSF GSG
 2 p.m.—Sing Song: GSG GSD
 5 p.m.—Today's news: WIXAL (11.79) WIXAR (15.13)
 6:15 p.m.—Opera, "Der Freischutz": DJB DJD
 6:45 p.m.—Portuguese mail-bag: W2XAD (9.55)
 8:08 p.m.—North American program: SRP
 8:15 p.m.—Light music: ZRO3 ZRO4 ZRO6
 8:30 p.m.—Jamaica on the Air: H1125 (5.985)
 9 p.m.—Press Review: DJR DJD DJZ
 10 p.m.—Opera from Guatemala City: TGWA
 12:45 a.m.—Sketch, "Behind the Gun": JZK

Thursday, April 27

9 a.m.—Page of Honor to Queen Victoria: GSF
 12:15 p.m.—DX news: W9XA (26.45)
 2:30 p.m.—London Music Festival Concert: GSG
 5 p.m.—BBC Northern Ireland Orchestra: GSD
 5 p.m.—News: RNE (12)
 7:30 p.m.—Blue Barron's orchestra: W2XAD (9.55)
 8:30 p.m.—Talk by Prof. V. Tovar: W2XAF (9.53)
 10 p.m.—Chamber music: TGWA
 12:45 a.m.—Buva concert: JZK

Friday, April 28

7:30 & 10:45 a.m.—Golf: Amateur Golf Championships: GSF GSG GSJ
 1:15 p.m.—Talk, "More Food for Thought": GSG
 4:30 p.m.—Behind the Headlines of the Week: WIXAL (11.79)
 5 p.m.—News: LRA (18.115-9.69)
 7 p.m.—Arnold Richardson, organist: GSC GSD
 7:45 p.m.—Guest night: ZRO3 ZRO4 ZRO6
 8 p.m.—BBC Empire Orchestra: GSB GSD
 9 p.m.—Malinee Melodies: W2XAD (9.55)
 9:45 p.m.—Amateur Transmissions from N. Y. World's Fair: Rebroadcast on all amateur bands
 10 p.m.—Radio Theater: TGWA
 10:15 p.m.—Fable, "The Last Dart": GSC GSD
 1 a.m.—Voice of Hawaii: KQH (14.92) KK11 (7.52)

Saturday, April 29

8:50 a.m.—Association Football Match: GSF GSG
 10:45 a.m.—Amateur Golf Championship: GSF
 1:30 p.m.—In Town Tonight: GSG GSD
 2 p.m.—Music Hall: GSG GSD
 3:40 p.m.—Royal Academy Banquet: GSG GSD
 5 p.m.—News: RNE (12)
 6:15 p.m.—Dance music: DJB DJD DJZ
 6:30 p.m.—Music Hall: GSB GSD
 7:45 p.m.—Primo-Tolant piano duo: ZRO3 ZRO4 ZRO6
 8 p.m.—Rostal Trio: GSB GSD
 8 p.m.—Hour of Costa Rica: T1PG (9.695)
 9:30 p.m.—Hawaii Calls: KQH (14.92) KK11 (7.52)
 10 p.m.—Opera: OAX4J
 1 a.m.—DX program: TGX1 (6.13)
 2 a.m.—International DX'ers Alliance Good-Will Program from Guatemala: TG2 (6.195)

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

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CBWT, Portugal	9.735	JZJ, Japan	11.80
DJB, Germany	10.20	JZK, "	11.14
DJD, "	11.77	JZL, "	17.785
DJL, "	15.11	OLR4A, Bohemia	11.84
DJZ, "	11.40	OZF, Denmark	9.42
EAJ43, Canarias	7.85, 10.37	OZM, "	15.32
LAPAH, Spanish	14.05	PCJ, Holland	8.89, 18.42
Morocco		PKI, "	17.775
EIRE, Ireland	17.84, 8.895	RAN, U.S.S.R.	9.80
		RKI, "	15.88
G8B, England	9.51	RNE, "	12.90
GSC, "	9.58	RVE, "	15.18
GSD, "	11.75	SRP, Sweden	11.705
GSE, "	11.88	SPD, Poland	11.53
GST, "	15.14	SPW, "	15.54
GSS, "	17.73	TFJ, Iceland	12.85
GSI, "	15.47	TGWA, Guatemala	15.17
GSP, "	15.88	TYW8M, Ceylon	
GSV, "	17.81	TPA2, France	9.595
HAS3, Hungary	15.97	TPA3, "	15.24
HAT4, "	9.12	TPA4, "	11.88
HBJ, Switzerland	16.83	TPB7, "	11.71
IBL, "	9.94	YRME, Australia	9.95
HBO, "	11.402	VLD, "	9.48
HBP, "	7.80	VUD2, India	9.89
KJMS, Haiti	6.065	VUD3, "	15.29
NP5A, Panama	11.7	XEUZ, Mexico, D.F.	8.12
HP50, "	11.78	YV8M, Venezuela	9.94
HP5J, "	9.00	ZBWS, China	9.525
HS9P, Siam	15.23	ZL, So. Africa	8.81
HS9P7, "	8.11, 19.02	ZMI, S. S. Kamimbla	6.01
IKF, Italy	9.83	ZR03, Italy	9.635
JDY, Kwangtung	9.825	ZR04, "	11.81
JLG3, Japan	11.705	ZR08, "	15.30

Short-wave programs of American stations are shown along with the regular listings beginning on page 25. 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—1:35 a.m., JZK; 2:30, GSB, GSD, GSF, GSI, GSO; 8:45, JDY; 9:15, GSE, GSF, GSG, GSH, GSJ, GSV; 9:25, JZJ; 12 noon, GSD, GSE, GSF, GSG, GSH; 2 p.m., GSB, GSC, GSD, GSG; 2:20, ZR06; 4:10, TPA3; 5:20, OLR4A; 5:30, GSB, GSC, GSD, GSF, GSO, GSP; 7, DJB, DJD, DJZ, HP5A; 7:30, EA9AH; 8, HP5J, RAN, RKL, RV96; 8:30, ZR03, ZR04, ZR06, IRF; 8:45, GSB, GSD, GSE; 9, EAJ43; 9:05, JZL; 9:15, DJB, DJD, DJZ; 10, EA9AH, EAJ43; 10:30, OLR4A; 11, TPA4, TPB7; 11:30, DJB, DJD, DJZ; 12 mid., GSB, GSD, GSF.

Daily except Sundays—3:30 a.m., VLR.

Daily Programs for April 30—May 6

4 a.m.—English program: RV96
7:10 a.m.—Program from Kwelyang, China: XPSA (7.01)
8 a.m.—Program to Asia: W6XBE (9.53)
8 a.m.—Overseas hour: JZK
9 a.m.—News: PHH or PCJ (15.22)
9 a.m.—Voice of China: NGRV (11.4)
9 a.m.—Overseas Hour: JZJ
9 a.m.—Variety program: DJL
9:10 a.m.—Program from Chungking, China: XGOY (11.9)
9:25 a.m.—English news: JZJ
9:30 a.m.—Program from Ireland: EIRE (17.84)
10 a.m. (ex. Sun.)—Spanish news: W2XAD (21.5)
12 noon (ex. Sun.)—English news: ZR06
12:30 p.m. (ex. Sun.)—Farm program: W2XAD (15.33)
1 p.m.—International hour: HP5G
1:17 p.m.—Arabic program: GSC
1:30 p.m.—Program from Ireland: EIRE (17.84)
1:30 p.m.—English news: HP5G
1:30 p.m.—News: W9XA (26.45)
1:45 p.m. (ex. Sun.)—Marimba music: TGWA
2:20 p.m.—English news: ZR06
3 p.m. (ex. Sun. & Sat.)—Vatican City program: HVJ (6.93 or 6.19)
4 p.m.—Program from Rome: ZR09 (9.67) ZR06
4 p.m. (ex. Sun. & Sat.)—Portuguese news: W2XE (11.83)
4:30 p.m. (ex. Sun. & Sat.)—News: W1XAL (11.79) or W1XAR (15.13)
5 & 7 p.m.—Portuguese news: W3XL (17.78)
5:20 p.m.—English news: OLR4A
5:30 p.m. (ex. Sun.)—News: GSD GSP
5:55 p.m. (ex. Sun.)—Scientific news: W1XAL (11.79) W1XAR (15.13)
6 & 8 p.m.—Spanish news: W3NL (17.78)
6:45 p.m.—Program from Portugal: CSW7
7 p.m.—News: DJB DJD DJZ
7 p.m.—News: W9XA (26.45)
7 p.m.—Program from Guadeloupe: FG8AH (7.44)
7 p.m.—Polish program: SPD SPW
7 p.m. (ex. Sun.)—News: W1XAL (11.79) W1XAR (15.13)
7:15 p.m.—English news: ZR09 (9.67)
7:15 p.m. (ex. Sun.)—Portuguese news: W2XE (11.83)
7:30 p.m. (ex. Sun.)—Variety program: COCQ (8.85)
7:45 p.m.—Spanish news: Radio Malaga (14.44)
8 p.m.—News: HP5G
8 p.m.—Portuguese news: GSE
8 p.m. (ex. Sat.)—Program from Budapest: HAT4
8 p.m.—Soviet program: RAN RKL RV96

Times given are EDT. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

PRESIDENT ROOSEVELT, delivering the opening address at the New York World's Fair of 1939 on April 30, will be the subject of the first program of the first regular high-definition television service in the United States. Thus, after years of experimental development, the gigantic new television industry is at last to be officially launched. The NBC transmitter in the Empire State Tower, starting with the above inaugural program, will provide a minimum weekly service of two evening programs, each one hour long. Satisfactory picture service will be available within a radius of about fifty-five miles in all directions from the station. The powerful new CBS visual transmitter in the tower of the Chrysler Building, New York City, is also nearing completion, and the special aerials which will stick out like spikes from the dome of the tower are being installed. The opening of regular visual service from this station is scheduled for about June 15. Several radio manufacturers will have television receivers on sale shortly. The General Electric Company announces production of five different models combining sight and sound. The size of the received image will vary from five to twelve inches, depending upon the model. The more expensive receivers will have both all-wave radio and television features. Television stations are now under construction, or already operating experimentally, in the following cities: Albany, N. Y.; Los Angeles, Calif.; Philadelphia, Pa.; Kansas City, Mo.; Bridgeport, Conn.; Boston, Mass.; Manhattan, Kans.; Chicago, Ill.; W. Lafayette, Ind.; Camden, N. J., and Iowa City, Ia. Stations are also proposed for Cincinnati, Ohio, and Milwaukee, Wis.

The King and Queen of England will leave *Farwell Jetty, Portsmouth Dockyard*, in H. M. S. *Repulse*, en route to Canada and the United States, at about 9:30 a.m. EDT, on Saturday, May 6. The departure scene will be described over Daventry stations GSF, GSC and GSD, starting at approximately 9 a.m. EDT.

Short-wave listeners will be able to hear two outstanding features of the London Music Festival this week. The comic opera, "The Bartered Bride," written by Czech composer Smetana, opening operatic offerings of the season at the Covent Garden Opera House, will be broadcast on Monday, May 1, at 3:15 p.m. EDT,

over Daventry stations GSG and GSD. A Beethoven concert from Queen's Hall, featuring the BBC Symphony Orchestra, under the baton of world-famous maestro Arturo Toscanini, will be radiated on Wednesday, May 3, at 4:15 p.m. EDT, over stations GSG and GSD.

A concert of the world's famous Schubert Club, male chorus of one hundred trained voices of Schenectady, N. Y., now in its forty-first season of musical activity, will be broadcast over W2XAD (9.55), Friday, May 5, at 9:30 p.m. EDT.

SHORT-WAVE SHORTS: Ashley Walcott of San Francisco, Calif., reports that the Chinese National Station at Chungking, is operating on 17.8 megs under the call XGOX, nightly from 10 p.m. to 12:30 a.m., and on 11.9 megs under the call XGOY, daily from 9:10 a.m. to 12:30 p.m. EDT. The news in English is broadcast at 10 a.m. EDT. XTC (9.295), Shanghai, is on the air again, broadcasting daily from 9 to 10 a.m. EDT, in Chinese. . . EIRE, at Athlone, Ireland, operating alternate days on 17.84 or 9.595 megs, is now being heard as late as 7 p.m. EDT. . . HH2S of Port-au-Prince, Haiti, has shifted in frequency to 6.065 megs. . . EAQ (9.855), "The Voice of Madrid," Madrid, Spain, off the air for some weeks, is now being heard irregularly in the early evenings and will probably be used extensively in connection with General Franco's official triumphal march into and demonstration in Madrid, scheduled for some time this week. . . PCJ2 (15.22) is being used instead of PH12 (17.77), irregularly from 8:40 to 10 a.m. EDT, with the morning program from Holland. . . "Radio Tananarive," Tananarive, Madagascar, is now operating simultaneously on 6.063 and 9.693 megs, Sundays from 3:30 to 5 a.m.; Mondays from 1:30 to 1:45 and 11 a.m. to noon, and Tuesdays through Saturdays from 1:30 to 1:45, 4:30 to 5:30 and 11 a.m. to noon EST.


L. Schlesinger Carrera, director of "La Voz de Guatemala," Guatemala City, Guatemala, has notified me that special DX concerts, consisting principally of popular and classical marimba numbers and announced in Spanish and English, will be transmitted the first and third Saturday nights in each month, from 2 to 4:30 a.m. EDT (Sunday morning), over short-wave stations TGWA (9.685), TGWB (6.49) and TGWC (2.32).

LISTENER'S AID . . .

Radio Guide presents to the short-wave fan a new aid to reception . . . **Radio Guide's LISTENERS HANDBOOK.** In it will be found the leading short-wave stations listed according to their frequencies; their operating power, location, call letters and time on the air is also shown. Printed in easily understandable language, this log will prove an indispensable source of information to the short-wave dialer. Also included are logs of the municipal and state police transmitters of the United States listed alphabetically by cities. In addition, you will find 17 other sections full of interesting data including the following:

- How to Use Listeners Handbook
- Television Today—Tomorrow
- Television's Big Drawbacks
- Master Time-Conversion Table
- Log of United States Stations by Call Letters
- Log of Canadian Stations by Call Letters
- Log of United States Stations by Frequencies
- Log of Mexican Stations by Frequencies
- Log of Canadian Stations by Frequencies

- Log of United States Stations by States
- Log of Alaskan, Hawaiian, Cuban Stations
- Coast-to-Coast Network Program Locator
- Why Do Rebroadcast?
- Facsimile, How It Works
- Facsimile to Date
- Facsimile in Your Living-Room
- Facsimile News, Drawings, Pictures

To get your copy send 25c in stamps ADDRESS 

RADIO GUIDE'S LISTENERS HANDBOOK
731 Plymouth Court, Dept. 5-6
Chicago, Illinois

8:30 p.m.—English news: ZR03 ZR04 ZR05
8:30 p.m. (ex. Sun.)—Today in Germany: DJB
8:45 p.m.—North American program: OLR4A
8:45 p.m. (ex. Sun.)—News: GSB GSD
9 p.m.—Overseas hour: JZL
9:05 p.m.—English news: JZL
9:15 p.m.—English news: DJB DJD DJZ
9:30 p.m.—Spanish news: GSB
9:30 p.m.—North American Program: Paris Mondial (11.885 or 7.28)
10 p.m.—Program from Chungking, China: XGOX (17.80)
10:15 p.m. (ex. Sun. & Sat.)—Latin American program: W1XAR (11.73) W1XAL (15.13)
10:30 p.m.—English news: OLR4A
10:30 p.m.—Program from Denmark: OZF
11 p.m. (ex. Mon.)—Friendship hour: HC1AB (14.43) HC2JB (12.46)
11 p.m.—English news: Paris Mondial (11.885 or 7.28)
11:30 p.m.—English news: XEUZ (6.117)
11:30 p.m.—English news: DJB DJD DJZ
11:50 p.m.—English news: YNRF (6.76)
12 mid. (ex. Wed. & Fri.)—Marimba concert: TGWA
12 mid.—Program from Norway: LLG (9.61 or 8.025)
12 mid.—News: GSC GSD
12:45 a.m. (ex. Sat.)—Program from South Africa: ZRL
1 a.m.—English news: ZRL
1:30 a.m.—Overseas hour: JZK
1:35 p.m.—English news: JZK

Sunday, April 30

Refer to first column for daily programs

6 a.m.—Program from the Vatican: HVJ (9.66)
7:30 a.m.—Birthday program for Princess Juliana: PHH or PCJ (15.22)
8:25 a.m.—Methodist services: GSF GSG GSI
9 a.m.—Program from Denmark: OZF (15.32)
10 a.m.—Broadcast from Budapest, Hungary: HAS3
12 noon—Weekly survey in English: ZR06
12:30 p.m.—Hermann King's orchestra: GSF GSG
1:25 p.m.—Welsh Tunes and Dances: GSD GSG
1:45 p.m.—Request program: TGWA
1:55 p.m.—Roman Catholic services: GSD GSG
2:30 p.m.—International Institute hour: W1XAR (11.73) or W1XAL (6.04)
2:40 p.m.—Ireland hour: TFI
3:05 p.m.—Tango hour: TGWA
3:25 p.m.—Magan Singers: TGWA
4:05 p.m.—New York World's Fair (from America): GSD GSG
4:20 p.m.—"The Prisoner of Zenda," drama: GSD
5 p.m.—Mail Bag: CHNX (6.13)
5:05 p.m.—News from London: GSD GSP
6 p.m.—Football broadcast: TGWA
7 p.m.—Mexican hour: XECR (7.38) XEWW (9.5)
7:30 p.m.—Concert: DJB DJD DJZ
8 p.m.—League of Nations program: HBL (9.345) HBO (11.402)
8:15 p.m.—PHOH program: PCJ (9.59)
8:30 p.m.—News: GSB GSD
8:45 p.m.—Opera, "Carmen": ZR03 ZR04 ZR06
9:15 p.m.—Dance music: TGWA
9:30 p.m.—Dresden Song Ass'n: DJB DJD DJZ
10 p.m.—Listener's Mail Bag: CHNX (6.13)
10:15 p.m.—Musical miniatures: DJB DJD DJZ
11 p.m.—Symphonic concert: TGWA
12:55 a.m.—May Day Ceremony: GSD GSF GSI

Monday, May 1

Refer to first column for daily programs

10:30 a.m.—King Lear: GSF GSG GSI
1 p.m.—Canadian program from Germany: DJB
2:15 p.m.—"Empire Exchange," Lord Hailley: GSD
3:15 p.m.—Opera, "The Bartered Bride," Smetana: GSD GSG
4 p.m.—Cuban Cabaret: GSD GSG
5 p.m.—Broadcast from St. Kitts: ZIZ
5:30 p.m.—Pathways to Peace: W1XAL (11.79)
5:45 p.m.—Portuguese mail bag: W3XL (17.78)
6:45 p.m.—Sports Reviews: W2XAF (9.53)
7 p.m.—Music of Brazil: W2XAD (9.55)
7:45 p.m.—Variety program: HBI HBO
8:30 p.m.—World of Natural Science: W1XAL (6.04) W1XAR (11.73)
9 p.m.—Folk-songs: ZR03 ZR04 ZR06
9:15 p.m.—ZRO's mail bag: ZR03 ZR04 ZR06
11 p.m.—Band concert: TGWA
11:30 p.m.—Central Band of H. M. Royal Air Force: GSC GSD

Tuesday, May 2

Refer to first column for daily programs

7 a.m.—Julius Kautovitch's orchestra: GSF GSG
9:40 a.m.—Burgomaster of Rotterdam: PHH or PCJ (15.22)
10 a.m.—Turkish Municipal Orchestra: GSF GSG
1:30 p.m.—Rochester Symphony Orchestra: W2XAD (15.33)
1:40 p.m.—Thriller, "The Adventures of Alphonse MacTavish": GSD GSG
1:45 p.m.—DX news: W9XA (26.45)
2:30 p.m.—Microphone menu for men: GSD GSG
3:45 p.m.—School Ship H. M. S. Conway: Centenary Celebrations: GSD GSG
4 p.m.—Music in the Air: GSD GSG
(Continued on Page 41)

ON SHORT WAVES

(Continued from Page 36)

- 7:25 p.m.—Sermons in Stone: GSB GSD
8:30 p.m.—Concert Master: W2NAD (9.55)
9:05 p.m.—Music by Great: W2XAF (9.53)
9:15 p.m.—Program from Ecuador: HC2RL (6.356)
10:15 p.m.—Description of Holland: PCJ (9.59)
11 p.m.—Concert orchestra: TGWA
12 mid.—Tahiti on the Air: FO8AA (7.1)

Wednesday, May 3

Refer to page 36 for daily programs to be aired

- 9:55 a.m.—Meeting of the PIRHII Club: PIR or PIA (15.22)
10:30 a.m.—Mail Bag: W2NAD (21.5)
11 a.m.—"The History of the Jews," J. W. Parkes: GSF GSG GSD
12:15 p.m.—"World Affairs," Prof. J. L. Brierty: GSB GSG
3 p.m.—Chester Cup: GSD GSG
4:15 p.m.—London Music Festival; BBC Symphony Orchestra; Arturo Toscanini, conductor: GSD
1:30 p.m.—Church in the Wilderness: W2NAD (15.33) W2XAF (9.53)
6:45 p.m.—Sports Review: W2XAF (9.53)
8 p.m.—North American hour: ZIK
8:45 p.m.—Around Italy with Music: 2R03 2R04 2R06
9 p.m.—North American program: SSB
9:30 p.m.—Lamais on the Air: HH2S (6.065)
11 p.m.—Opera: TGWA

Thursday, May 4

Refer to page 36 for daily programs to be aired

- 10:15 a.m.—Lucky Dip: GSF GSG GSD
12:15 p.m.—Talk, "Matters of Moment": GSF
12:30 p.m.—DX news: W9NA (26.45)
4:45 p.m.—Accent on Bhythm: GSD GSG
5:30 p.m.—Educating Youth in America: W1XAL (11.79) W1XAR (15.13)
5:30 p.m.—Science Forum: W2NAD (9.53) W2XAD (15.33)
5:45 p.m.—Talk, "More Food for Thought": GSD
6 p.m.—News: HNE (17)
8:30 p.m.—Borchester Philharmonic Orchestra: W2XAD (9.55)
8:45 p.m.—Selects from Operas: 2R03 2R04
9:15 p.m.—Program from Belize, British Honduras: ZIK3 (5.3)
9:30 p.m.—Opera Symphonies: 2R03 2R04 2R06

- 10 p.m.—English broadcast from Costa Rica: T44RH
10:40 p.m.—BBC Empire Orchestra: GSC GSD
11 p.m.—Chamber music: TGWA

Friday, May 5

Refer to page 36 for daily programs to be aired

- 1:35 p.m.—Thriller, "Death in the Hand": GSD
3:40 p.m.—Songs, Madrigals and Part-songs: GSD
4:30 p.m.—Church in the Wilderness: W2NAD (9.53) W2XAF (15.33)
5:15 p.m.—News of future programs: W2NAD (15.33) W2XAF (9.53)
5:30 p.m.—Highlights of the Week: W1XAL (11.79)
6 p.m.—News Resume from Argentina: LRA (18.115, 9.69)
8 p.m.—Excerpts from Verdi's "Il Trovatore": GSB GSD
8:45 p.m.—Guest Night: 2R03 2R04 2R06
9 p.m.—Mature Melodies: W2NAD (9.55)
9:30 p.m.—Schubert Club Male Chorus: W2XAD (9.55)
10:45 & 11:15 p.m.—Transmissions of New York World's Fair Radio Club: Amateur stations on all amateur bands
11 p.m.—Radio Theater (in Spanish): TGWA
12 mid.—Tahiti on the Air: FO8AA (7.1)

Saturday, May 6

Refer to page 36 for daily programs to be aired

- 8 a.m.—Cricket: Surrey vs. Somerset and Gloucester vs. Lancashire: GSF GSG GSD
9:00 a.m. (approx.)—Departure of the King and Queen for Voyage to Canada and the United States: GSF GSG GSD
10:15 a.m.—Lawn Tennis: GSF GSG GSD
2:30 p.m.—In Town Tonight: GSD GSG
3 p.m.—Music Hall: GSD GSG
4:35 p.m.—English folk music: GSD GSG
6 p.m.—News in English from Moscow: RNE (12)
6:15 p.m.—NBC program: W2XJ1 (26.3)
7 p.m.—Tourist hour: HP5A
9 p.m.—North American program: SSB
9:15 p.m.—Program from Belize, British Honduras: ZIK3 (5.3)
10:30 p.m.—Hawaii Calls: KQH (14.92) KKH (7.52)
11 p.m.—Opera: OAN4
2 a.m.—DX Concert Program: TGWA (9.685) TGWB (6.49) TGWC (7.32)
3 a.m.—International DXers Alliance Good-Will Program from Guatemala: TG2 (6.195)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

OHXX, Canada	5.13	LRA, Argentina	9.69
CGCQ, Cuba	6.83	LRK, "	9.64
CGW7, Portugal	6.706	OAKSJ, Peru	9.51
DJW, Germany	12.90	OLR4A, Bohemia	11.24
DJD, "	11.77	GSZ, Denmark	9.69
DJL, "	11.11	OZH, "	15.22
DJZ, "	11.80	PCJ, Holland 9.66	15.22
EAF43, Canarias	7.30	PHI, "	17.775
EASAH, Spanish	10.97	RAN, U.S.S.R.	9.60
Mereno	14.06	RKI, "	16.04
EIRE, Ireland	17.84	RNE, "	16.04
27.84	9.650	RYM, "	16.18
FGAH, Guadeloupe	7.44	SFP, Sweden	11.705
FGAA, Tahiti	7.1	SFD, Finland	11.63
GB, England	9.51	SPW, "	12.64
OSG, "	9.23	TYJ, Iceland	19.27
OSQ, "	11.78	TGWA, Guatemala	14.17
GPT, "	11.86	TGWB, "	6.49
GPT, "	11.86	TGR, "	8.104
OSQ, "	16.14	TIPQ, Costa Rica	9.699
OSQ, "	17.79	TIAMH, "	9.694
OSM, "	21.47	TPA3, France	14.91
OSL, "	16.04	TPA2, "	11.87
OSJ, "	21.86	TPA1, "	11.71
ORO, "	18.16	TPB7, "	11.865
OBP, "	16.31	VKXME, Australia	9.69
GSV, "	17.81	VLE, "	9.68
HAS3, Hungary	16.37	VUDJ, India	9.69
HAT4, "	9.19	VUD1, "	13.29
WBF, Switzerland	14.620	WIXAL, Boston, Mass.	6.06
NBL, "	9.34	15.25, 11.78	6.04
KBF, "	11.400	WIXAR, "	11.73, 15.13
KBF, "	7.80	11.73, 15.13	
HC17B, Ecuador	14.43	XECR, Mexico, D.F.	7.38
HC27B, "	14.46	KEUZ, "	6.19
HC37B, "	6.366	XIWW, "	9.4
HC47B, "	6.968	XGOX, China	17.4
HC57B, "	11.7	XGOY, "	11.3
HC67B, "	11.74	XPSA, "	7.01
HC77B, "	6.80	YV5RN, Venezuela	9.64
HC87B, "	10.08	ZBWS, China	9.625
HC97B, "	9.61	ZIEA, West. Indes.	6.3
HVJ, Vatican City	15.18, 9.66, 8.00	ZIZ, St. Kitts	8.348
IRF, Italy	9.63	ZRL, So. Africa	9.61
JDY, Kwantung	9.636	SML, S.S. Kamibha	6.01
JLO3, Japan	11.706	SHOS, Italy	9.638
JZJ, "	11.80	SHO4, "	11.81
JZK, "	16.16	SHO5, "	16.20
JZL, "	17.78	SHO6, "	9.67
LLO, Norway	9.61, 8.000	Franch Inde-China	6.114

Short-wave programs of American stations are shown along with the regular listings beginning on page 90. These are indicated, for example, by (aw-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.

Daily Programs for May 14-May 20

- 8 a.m.—Transmission to Asia: W6XBE (9.53)
- 8:30 a.m.—News (English): W6NBE (9.53)
- 9 a.m.—English program: Radio Saigon (6.116)
- 9 a.m.—Classical music: DJL
- 9 a.m.—Program from Chungking, China: XGOY
- 9:15 a.m.—News (English): GSF GSG G5J
- 9:15 a.m.—Golden Gate Exposition Stroller: W6XBE (9.53)
- 9:25 a.m.—News (English): JLU3 (15.135)
- 9:30 a.m.—Program from Ireland: EIRE (17.84)
- 10 a.m.—News (English): XGOY
- 12 noon (ex. Sun.)—News: ZRO6
- 12 noon—News: GSF GSG
- 1 p.m.—International Hour: HP5G
- 1:17 p.m.—Arabic program: GSC GSP
- 1:30 p.m.—Program from Ireland: EIRE (17.84 or 9.595)
- 1:45 p.m.—Alma Latina Narimba Ensemble: TGWA
- 2 p.m.—News (English): GSG GSD
- 2:20 p.m.—News (English): ZRO6
- 3 p.m. (ex. Thurs.)—Vatican City program: HVJ (6.03)
- 4 p.m.—News (French): W3XAL (21.63) W3XL (17.78)
- 4 p.m.—Variety program from Rome: ZRO6
- 5:30 p.m. (ex. Sun.)—News (English): GSD GSP
- 5:55 p.m. (ex. Sat. & Sun.)—Scientific data: WIXAL (11.79) WIXAR (15.13)
- 6 (8 & 9) p.m.—News (Spanish): W3XL (17.78) W3XAL (9.67)
- 6:45 p.m.—Program from Portugal: CSW7
- 7 p.m.—News (English): HP5A
- 7 p.m.—Polish program: SPW SPD
- 7:15 p.m.—News (English): ZRO9
- 7:30 p.m.—Transmission to Latin America: W6XBE (15.33)
- 8 p.m. (ex. Sat.)—Program from Budapest: HAT4
- 8 p.m.—News (English): HP5A
- 8:10 p.m.—News (English): W6XBE (15.33)
- 8:30 p.m.—News (English): ZRO3 ZRO4 ZRO6
- 8:45 p.m. (ex. Sun.)—News (English): GSB GSD
- 8:55 p.m.—North American transmission: OLR4A
- 9 p.m.—Overseas hour: JZL
- 9:05 p.m.—News (English): JZL
- 9:15 p.m.—News (English): DJB DJD DJZ
- 9:30 p.m.—News (Spanish): GSB
- 10 p.m.—Program from Chungking, China: XGOX
- 10:30 p.m.—News (English): OLR4A
- 11 p.m.—News (English): TPB7 TPA4
- 11:30 p.m.—News (English): DJB DJD DJZ
- 12 mid.—Broadcast from Norway: LIG
- 12 mid.—News (English): GSC GSD
- 1 a.m.—Baseball Game: JVH (14.6) JW3 (11.725)
- 1 a.m.—News (English): ZRL
- 1:30 a.m.—News (English): W6XAL (6.06)
- 1:35 a.m.—News (English): JZK

Times given are EDT. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

JULY 11 has been set aside as "DX'ers Day" at the Golden Gate International Exposition. To celebrate this event an elaborate DX Festival has been planned. Amateurs, short-wave listeners and radio enthusiasts are all cordially invited to this first international DX convention. The Festival will include visits to radio points of interest in the bay area and to radio and electrical exhibits at the Exposition; participation in two International DX Festival programs to be broadcast over 20,000-watt Treasure Island station W6XBE, on Tuesday, July 11, and Wednesday, July 12; attendance at a genuine California barbecue banquet, at which visiting radio authorities will speak, and many other attractions.

Notify Festival Chairman George C. Sholin, 55 Lapidge Street, San Francisco, Calif., as to how and on what date you or your party will arrive so that proper arrangements can be made to meet and entertain you. The committee urges those driving through to bring along a load of friends. If you plan to travel by train, and live in the eastern or central states, don't fail to join the special DX Festival tour party which is to leave Chicago on July 2, aboard the North Coast Limited of the Northern Pacific, stopping en route at many points of interest, including the Rockies, Seattle and Portland. Further information concerning the Festival or the tour can be had by addressing an inquiry to your columnist in care of Radio Guide.

W6XAL (6.06), Cincinnati, Ohio, one of the most consistently received short-wave stations, is now operating as follows: Sundays from 8 a.m. to 7:30 p.m.; Mondays and Thursdays from 5:45 a.m. to 12 midnight; Tuesdays, Wednesdays and Fridays from 5:45 a.m. to 7:30 p.m.; Saturdays from 5:45 a.m. to 11 p.m.; Sundays, Tuesdays, Wednesdays and Fridays from 11 to 11:30 p.m., and daily except Saturdays from 1 to 2 a.m. EDT.

The Newark News Radio Club will sponsor an elaborate DX broadcast over station WKRC (550 kcs.) of Cincinnati, Ohio, on the night of May 20 (early morning of Sunday, May 21), at 4 to 6 a.m. EDT. The program will include a minstrel show, several comic sketches and an all-request musical period, as well as several interviews with members of the NNRC who will be attending from distant points. An operator will be on duty to take all telephone calls and wires,

and listeners throughout the country are invited to call in or telegraph their request selections. Many valuable prizes, including an all-wave receiver, electric razors, pen-and-pencil sets, leather wallets, etc., will be awarded for the best reports on reception of the broadcast. Although not a short-wave item, DX'ers should be interested in this transmission.

Walter Kammann of Caracas, Venezuela, air-mails information about two interesting amateurs: YVAB8 (14.095), power 200 watts, operated by a private expedition to the Caroni River in southern Venezuela, may be heard almost daily at 10:30 a.m. EDT; YVAB9 (14.125), a transmitter belonging to the Gran Sebana Expedition, operates near 7 p.m. EDT.

SHORT-WAVE SHORTS: TPB3 (17.85) of Paris, France, is being heard with loud signals from 9:30 to 11 a.m. . . . According to the Australian DX club, authorities of the German Short-Wave Station have requested listeners to refrain from mentioning political affairs in their reports to them . . . Alfred Tuft of London, England, writes that FO8AA (7.1) of Papeete, Tahiti, is now transmitting Saturdays only, from 1 to 4:30 a.m. EDT . . . ZNS (6.09), the new short-wave station at Nassau, Bahamas, relays broadcast station ZNS (790 kcs.) daily from 2:30 to 3 and from 9 to 10 p.m. EDT. Station authorities are anxious for reception reports on ZNS, which should be addressed to the Director of Telecommunications, East Street, Nassau, Bahamas . . . Desmond Callan of Readville, Mass., has received information to the effect that PSH (10.22) of Rio de Janeiro, Brazil, is now operating week-days from 7 to 8 p.m.; Mondays from 9 to 9:30 p.m., and on Fridays from 8 to 8:30 p.m. PSE (14.93) operates Wednesdays from 5 to 5:10 p.m., and Thursdays and Saturdays from 4 to 4:30 p.m. EDT . . . YV5RN (5.04), "Radio Caracas," Caracas, Venezuela, now said to be broadcasting with 5,000 watts power, is the best-heard station on the 62-meter band . . . ZRL, Capetown, South Africa, has shifted in frequency to approximately 9.62 megas . . . YV1RJ (4.97), Coro; YV5RY (4.79), Caracas, and YV5RS (4.96), Caracas, are the latest stations to adopt their new official frequencies in the 62-meter band. To date, all of the Venezuelan stations have shifted to the new band except two or three who are expected to move very soon.

Sunday, May 14

- 8:30 a.m.—Church services: WUC2 (4.68)
- 10 a.m.—Broadcast from Budapest: HAT4
- 10:20 a.m.—Eugene Pini's tango orchestra: GSF
- 12:10 p.m.—Symphonic concert: DJB
- 3:25 p.m.—Magyar Singers: TGWA
- 4 p.m.—Living Bible: WIXAR (11.73)
- 4:30 p.m.—Military band concert: TGWA
- 5 p.m.—Short-Wave Listeners' Mail Bag: CHNX
- 6 p.m.—Football broadcast: TGWA
- 8:05 p.m.—Serial, "The Prisoner of Zenda": GSB
- 8:30 p.m.—News (English): GSB GSD
- 8:45 p.m.—Opera: ZRO3 ZRO4 ZRO6 IRF
- 10:30 p.m.—DX Broadcast from Paris, France: TPB7 TPA4
- 11:10 p.m.—Cleopatra's Needle on Thames Embankment in London: GSC GSD

Monday, May 15

- 9 a.m.—Program from Siam: H559J
- 11:25 a.m.—Serial, "The Cabin in the Hills": GSF GSG
- 1:45 p.m.—Speech by King George: W8XK (11.87) W2XX (15.27)
- 3:30 p.m.—Opera, "Tosca," by Puccini: GSG GSD
- 5:30 p.m.—Traveling, "Europe at the Fairs": W2XAF (9.53) W2XAD (15.33)
- 7 p.m.—Music of Brazil: W2XAD (9.55)
- 7:30 p.m.—Variety program: HMO HBJ
- 8 p.m.—World of Natural Science: WIXAL (6.04)
- 9 p.m.—Folk songs: ZRO3 ZRO4 ZRO6
- 11 p.m.—Military band concert: TGWA
- 12:15 a.m.—"Empire Exchange" talks: GSC GSD

Tuesday, May 16

- 10:35 a.m.—Club of Queer Trades: GSF GSG
- 1:45 p.m.—DX News: W9XA (25.45)
- 4:30 p.m.—Problems of Peace: WIXAL (11.79)
- 6:30 p.m.—Contemporary German Novels: DJB
- 7 p.m.—Harvard Glee Club: WIXAL (6.04)
- 7:25 p.m.—Scenes from "Hamlet": GSB GSD
- 8:30 p.m.—Round Table on American Public Policy: WIXAL (6.04) WIXAR (11.73)
- 9 p.m.—Wood Green Exchequer Band: GSB GSD
- 10 p.m.—English broadcast: TIANRH
- 10:15 p.m.—Description of Holland: PCJ (9.59)
- 11 p.m.—Concert orchestra: TGWA
- 11:10 p.m.—Technical tips: DJB DJD DJZ

Wednesday, May 17

- 8:15 a.m.—English talk, "Japanese Dogs": JZK
- 10:30 a.m.—The Mail Bag: W2XAD (21.5)
- 12:15 p.m.—"World Affairs," Sir Alfred Zimmern: GSF GSG
- 3:15 & 4:15 p.m.—London Musical Festival: GSG
- 5:30 p.m.—Science briefs: W2XAD (15.33) W2XAF (9.53)
- 7:30 p.m.—Olea Andre Interviews Amanda Ledesma: W3XL (17.78) W3XAL (9.67)
- 8 p.m.—Television Show: W2XBS (sight 45.25 megas; sound 49.75 megas)
- 9:15 p.m.—Japan Information Series: JZK
- 11 p.m.—Opera from Guatemala City: TGWA

Thursday, May 18

- 10:15 a.m.—"Lucky Dip": GSF GSG G5J
- 2:30 p.m.—Cecil Dixon, pianist: GSG GSD
- 4 p.m.—Special Program from New York World's Fair: WIXAL (11.79)
- 4 p.m.—Snow White & the Seven Dwarfs: GSG
- 5:30 p.m.—Educating Youth: WIXAL (11.79) WIXAR (15.13)
- 8:30 p.m.—Prof. V. Torar: W2XAF (9.53)
- 9 p.m.—Grosvenor House Dance Band: GSB GSD
- 10 p.m.—English broadcast: TIANRH
- 10:15 p.m.—Special Transmission for Indiana: DJB DJD DJZ
- 11 p.m.—Chamber music: TGWA

Friday, May 19

- 11 a.m.—Speech by Queen Elizabeth: W8XK (15.21) W2XAD (15.33) W3XAU (15.27)
- 4:15 p.m.—The Pig and the Whistle: GSG GSD
- 7:45 p.m.—Frankfurt Regional Broadcasting Station Orchestra: DJB DJD DJZ
- 8 p.m.—Television show: W2XBS (sight, 45.25; sound, 49.75)
- 8:30 p.m.—Talk, "Food for Thought": GSB GSD
- 9 p.m.—Excerpts from Verdi's "Aida": GSB GSD
- 10:45 p.m. & 11:15 p.m.—Transmissions of N. Y. World's Fair Radio Club: Amateur stations on all amateur bands.
- 12 mid.—Tahiti on the Air: FO8AA (7.1)

Saturday, May 20


- 10 a.m.—Mail Bag: W6NAL (6.06)
- 2:30 p.m.—In Town Tonight: GSG GSD
- 3 p.m.—Music Hall: GSG GSD
- 4:30 p.m.—Crew Racing: WIXAL (11.79) WIXAR (15.13)
- 6 p.m.—News (English): RNE
- 9 p.m.—Hour of Costa Rica: TIFQ (9.695)
- 9:30 p.m.—Folk songs: DJB DJD DJZ
- 10 p.m.—Saturday Theater: LEX
- 11 p.m.—Concert Orchestra: TGWA
- 3 a.m.—International DX'ers Alliance Program from Guatemala: TG2 (6.195)
- 4 a.m.—Elaborate Newark News Radio Club DX Program from Cincinnati: WKRC (550 kcs.)

LISTENER'S AID . . .

Radio Guide presents to the short-wave fan a new aid to reception . . . **Radio Guide's LISTENERS HANDBOOK.** In it will be found the leading short-wave stations listed according to their frequencies; their operating power, location, call letters and time on the air is also shown. Printed in easily understandable language, this log will prove an indispensable source of information to the short-wave dialer. Also included are logs of the municipal and state police transmitters of the United States listed alphabetically by cities. In addition, you will find 17 other sections full of interesting data including the following:

- How to Use Listener's Handbook
- Television Today—Tomorrow
- Television's Big Drawbacks
- Master Time-Conversion Table
- Log of United States Stations by Call Letters
- Log of Canadian Stations by Call Letters
- Log of United States Stations by Frequencies
- Log of Mexican Stations by Frequencies
- Log of Canadian Stations by Frequencies

- Log of United States Stations by States
- Log of Alaska, Hawaiian, Cuban Stations
- Coast-to-Coast Network Program Locator
- Why the Rebroadcast?
- Facsimile, How It Works
- Facsimile to Gate
- Facsimile to Your Living Room
- Facsimile News, Drawings, Plottings

To get your copy send 25c in stamps ADDRESS 

RADIO GUIDE'S LISTENERS HANDBOOK
731 Plymouth Court, Dept. 5-20
Chicago, Illinois

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHXK, Canada	6.13	ILG, Norway	9.01	8.025
COGQ, Cuba	6.83	IRA, Argentina		9.69
CSWT, Portugal	9.705	IRK, "		9.69
DJB, Germany	10.20	QAX4J, Peru		9.24
DJL, "	11.77	QZL4A, Bohemia		11.81
DJE, "	15.11	QZF, Denmark		9.32
DJE, "	11.80	QZH, "		15.32
EA243, Canaries		PCJ, Holland	9.59	15.32
EASAM, Spanish	7.50	PHL, "		17.775
Marocco	14.08	RAN, U.S.S.R.		9.60
EIRE, Ireland		RKL, "		15.96
	17.84	RNE, "		12.90
	9.596	RV96, "		15.18
FGAH, Guadeloupe	7.46	SEP, Sweden		11.795
FOAAA, Tahiti	7.1	SPD, Poland		11.85
GSA, England	6.00	SPW, "		15.84
GSD, "	9.51	TJF, Iceland		12.23
GSC, "	9.88	TOWA, Guatemala		15.17
GSD, "	11.76	TQWB, "		8.49
GSE, "	11.46	TOZ, "		6.195
GSJ, "	15.14	TIPO, Costa Rica		9.695
GSG, "	17.79	TIANRH, "		9.094
GSH, "	17.47	TPAZ, France		15.24
GSI, "	15.20	TPA3, "		11.95
GSL, "	21.38	TPA4, "		11.71
GSO, "	18.18	TPB3, "		11.825
GSP, "	18.31	TPBY, "		11.825
GRY, "	9.60	VZJME, Australia		9.58
GSA, "	17.81	VLR, "		15.25
HASZ, Hungary	9.12	WIXAL, Boston, Mass.		11.79
HAT4, "	14.555	WIXAR, "		11.79
HBE, Switzerland	14.555	WIXAR, "		11.79
HBO, "	11.402	YXCC, Mexico, D.F.		7.34
HCIJZ, Ecuador	14.43	ZK2Z, "		6.12
KCZJB, "	12.46	ZLWV, "		9.5
KZNL, "	6.356	ZOKK, China		17.4
HH2S, Haiti	9.953	ZOXY, "		17.3
HP5A, Panama	11.7	ZPRA, "		7.01
HP5G, "	11.78	ZYSEN, Venezuela		6.04
HP5J, "	9.09	ZBWS, China		8.525
HS8PJ, Siam	19.02	ZIKJ, Brit. Hond.		5.3
HS8PJ, "	9.51	ZIZ, St. Kitts		6.385
HVZ, Vatican City		ZKL, So. Africa		9.61
	15.12	ZML, S.S. Kambria		6.61
IRE, Italy	8.80	ZRO3, Italy		9.620
JLQZ, Japan	11.795	ZRO4, "		11.81
JZJ, "	11.80	ZRO6, "		15.20
JZK, "	15.10	ZRO9, "		8.67
JZL, "	17.785	French Indo-China		6.118

Short-wave programs of American stations are shown along with the regular listings beginning on page 20. These are indicated, for example, by (sw-11.81) in parentheses following a program listing. This means that on 11.81 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

Daily Programs for May 21-May 27

- 8:30 a.m.—News (English): W6XBE (9.53)
- 8:30 a.m. (ex. Sun.)—News (English): VLR
- 9 a.m. (ex. Sun.)—News (English): (21.63) W3XL (17.78)
- 9 a.m.—News: PHI or PCJ (15.22)
- 9:15 a.m.—News (English): GSF GSG GSJ
- 9:15 a.m.—Golden Gate Exposition Stroller: W6XBE (9.53)
- 9:25 a.m.—News (English): JLU3 (15.135) JZK
- 9:30 a.m.—Program from Ireland: EIRE (17.84)
- 10 a.m.—News (English): XGOY
- 11:30 a.m. (ex. Sun.)—News (English): W3XL (6.06)
- 12 noon (ex. Sun.)—News: ZRO6
- 12 noon—News: GSF GSG
- 1 p.m.—News (English): W3XL (21.63) W3XL (17.78)
- 1:17 p.m.—Arabic program: GSC GSP
- 1:30 p.m.—News (English): HP5G
- 1:45 p.m.—Alma Latina Marinha Ensemble: TGWA
- 2 p.m.—News (English): GSG GSD
- 2:20 p.m.—News (English): ZRO6
- 3 p.m.—(ex. Thurs.)—Vatican City program: HVZ (6.03)
- 4 p.m.—News (French): W3XL (21.63) W3XL (17.78)
- 4 p.m.—Variety program: ZRO6 ZRO9
- 6 & 9 p.m.—News (Spanish): W3XL (17.78) W3XL (9.67)
- 6 p.m. (ex. Sun.)—News (English): WIXAL (11.79) WIXAR (15.13)
- 6:45 p.m.—Program from Portugal: CSW7
- 7 p.m.—News (English): HP5A
- 7 p.m.—News (English): DJB DJD DJZ
- 7:15 p.m.—News (English): ZRO9
- 7:30 p.m.—Transmission to Latin America: W6XBE (15.33)
- 8 p.m.—Soviet program: RAN RKL RV95
- 8:10 p.m.—News (English): W6XBE (15.33)
- 8:30 p.m.—News (English): ZRO3 ZRO4 ZRO6
- 8:45 p.m. (ex. Sun.)—News (English): GSB GSD
- 8:55 p.m.—North American program: OLR4A
- 9 p.m.—Overseas Hour: JZL
- 9:05 p.m.—News (English): JZL
- 9:15 p.m.—News (English): DJB DJD DJZ
- 9:30 p.m.—North American transmission: TPB7
- 10 p.m.—News (English): W3XL (9.67) W3XL (5.1)
- 10:30 p.m.—News (English): OLR4A
- 11 p.m. (ex. Mon.)—Friendship hour: HCIJZ HCZJB
- 11:30 p.m.—News (English): DJB DJD DJZ
- 12 mid.—News (English): GSC GSD
- 12:45 a.m. (ex. Sat.)—Program from South Africa: ZRL
- 1 a.m.—News (English): ZRL
- 1:30 a.m.—News (English): W3XL (6.06)
- 1:35 a.m.—News (English): JZK

Times given are EDT. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

THE premier event of Great Britain's Empire Day, the "Round-the-Empire" program, which brings greetings by short wave from Australia, New Zealand, South Africa, Southern Rhodesia, Jamaica, India, London and Newfoundland, culminating in a message by King George, speaking from Winnipeg, Canada, will be heard on Wednesday, May 24, at 2:15 p.m. EDT, over Daventry stations GSG and GSD, as well as over United States short-wave stations W8XK (11.87) and W2XE (11.83).

The 156th renewal of the Derby Stakes, that classic of British turf sport which had its inception in 1780, will be described for international listeners in an eye-witness account from Epsom Racecourse Wednesday, May 24, at 9:50 a.m. EDT, over GSF, GSG and GSJ.

London Music Festival broadcasts this week will include three more Beethoven concerts. Solomon, one of the world's foremost pianists, will play with the BBC Symphony Orchestra under its conductor, Sir Adrian Boult, on Sunday, May 21, at 11:15 a.m. EDT. Arturo Toscanini will conduct the BBC Symphony Orchestra in the concert to be heard on Monday, May 22, at 3:15 p.m. EDT. The eighth concert, to take place on May 26, at 3:15 p.m. EDT, is to be devoted to a work that many regard as the supreme example of its kind—the Missa Solennis, or Mass in D. To be conducted by Toscanini, the performance will bring to listeners the voices of four world-famous artists, Zinka Milanov, soprano; Kerstin Thorborg, contralto; Koloman Von Pataky, tenor; and Nicola Moscona, bass. The choral music will be sung by two hundred members of the BBC Choral Society. The first Festival broadcast this week will be radiated over Daventry stations GSF, GSG and GSJ, while the latter two will be transmitted by GSG and GSD.

The International DX'ers Alliance will bring to listeners in North America the first broadcast ever to originate in St. Vincent, British West Indies, on Friday, May 26, at 12 midnight EDT. This special transmission will be made over amateur station VP2SA (7.108), and all reports on reception should be sent to W. H. Lewis, P. O. Box 73, Edinboro, St. Vincent, British West Indies.

Many members of the Archbold Expedition, which has been conducting extensive explorations in Netherlands New Guinea, will leave for home about May 15, aboard the huge flying boat Guba, flying first to Sydney, Australia; then to Onslow, West Australia; the Coos Islands; Mahe Island; Mombasa, Kenya, in East Africa; Kisumu on Lake Victoria; Lagos, Nigeria, in West Africa; St. Thomas, Virgin Islands, and finally back to New York City, to complete their aerial trip around the world. The 100-watt transmitter aboard the plane, will be in frequent operation on frequencies of 3.105, 8.21 or 12.42 megs. PK6XX (14.009), the Expedition's base-camp station back in Hollandia, Netherlands New Guinea, which may be heard almost any morning between 7 and 9 a.m. EDT, will continue on the air, but under a new operator, Nick Nickolson (VK4HN), who was imported from Papua for the job.

Peculiar conditions have been prevalent on short-wave bands for some weeks now. While reception from Near East, Asiatic and South American stations is very good, European stations are being received with signal strength much below normal for this time of year.

SHORT-WAVE SHORTS: News in French and German is now being radiated from London, week-days at 5 and 5:15 p.m. and on Sundays at 5:30 and 5:45 p.m. EDT, respectively, over Daventry stations GSA (6.05), and a new frequency GRY (9.6) . . . W6USA (14.18) official amateur station of the Golden Gate International Exposition in San Francisco, is being heard frequently between 11 p.m. and 1 a.m. EDT . . . W2XE, CBS short-wave station at New York City, New York, uses an optional frequency of 17.83 megs irregularly.


St. John's, Newfoundland, may now be heard over short-wave station VONG, on frequencies of 5.73 and 5.98 megs, daily from 9:30 a.m. to 1:30 p.m., and from 2:30 to 10:30 p.m. EDT, according to R. E. White of St. John's. NBC-type chimes are used as interval signals. The transmitter of this new station, which is owned by the Avalon Telephone Company, is installed at Mount Pearl, near St. John's. Reports should be addressed to the Broadcasting Corporation of Newfoundland, Newfoundland Hotel, St. John's, Newfoundland.

LISTENER'S AID . . .

Radio Guide presents to the short-wave fan a new aid to reception . . . **Radio Guide's LISTENERS HANDBOOK.** In it will be found the leading short-wave stations listed according to their frequencies; their operating power, location, call letters and time on the air is also shown. Printed in easily understandable language, this log will prove an indispensable source of information to the short-wave dialer. Also included are logs of the municipal and state police transmitters of the United States listed alphabetically by cities. In addition, you will find 17 other sections full of interesting data including the following:

- How to Use Listeners Handbook
- Television Today—Tomorrow
- Television's Big Drawbacks
- Master Time-Conversion Table
- Log of United States Stations by Call Letters
- Log of Canadian Stations by Call Letters
- Log of United States Stations by Frequencies
- Log of Mexican Stations by Frequencies
- Log of Canadian Stations by Frequencies

- Log of United States Stations by States
- Log of Alaskan, Hawaiian, Cuban Stations
- Coast-to-Coast Network Program Locator
- Why the Rebroadcast?
- Facsimile, How It Works
- Facsimile to Date
- Facsimile in Your Living-Room
- Facsimile News, Drawings, Pictures

To get your copy
send 25c in stamps
ADDRESS 

RADIO GUIDE'S LISTENERS HANDBOOK
731 Plymouth Court, Dept. 5-27
Chicago, Illinois

Sunday, May 21

- 11:15 a.m.—London Music Festival: GSF GSG
- 12:10 p.m.—Symphonic concert: DJB
- 2:45 p.m.—Raul Paniguga, pianist: TGWA
- 3:30 p.m.—German Mail Bag: W3XL (17.78) W3XL (21.63)
- 4:30 p.m.—Military Band Concert: TGWA
- 6 p.m.—Football broadcast: TGWA
- 7 p.m.—Mexican Hour: NECH NEXW
- 7:15 p.m.—Vienna Boy's Choir: DJB DJD DJZ
- 8:15 p.m.—Band concert: TGWA
- 8:45 p.m.—Opera, "Gianni Schicchi": ZIKJ ZRO4
- 9 p.m.—Alfred Campbell's orchestra: GSB GSD
- 9:45 p.m.—Lena Hakala, pianist: DJB DJD
- 10 p.m.—Mother's Day: DJB DJD DJZ
- 11:10 p.m.—Story of the Royal Warwickshire Regiment: GSC GSD

Monday, May 22

- 11:25 a.m.—Masters of Melody: GSF GSG GSJ
- 2:15 p.m.—"Empire Exchange" talk: H-6 GSD
- 3:15 p.m.—London Music Festival: GSG GSD
- 4 p.m.—King's Plate Race: W8XK (11.87) W2XE (11.83)
- 5 p.m.—Today's news: WIXAL (11.79)
- 7:30 p.m.—Variety program: HBD HBJ
- 8:30 p.m.—Bulletin for DX'ers: WIXAL (6.04) WIXAR (11.73)
- 9 p.m.—Eddie Carroll's orchestra: GSD GSB
- 10:05 p.m.—English lessons: W4XB (6.04)
- 11:05 p.m.—"Toscanini" Sir Adrian Boult: GSC
- 11:20 p.m.—Canadian Trio: GSC GSP

Tuesday, May 23

- 12:15 p.m.—The King Who Didn't Matter: GSF
- 1:45 p.m.—DX news: W9XA (26.45)
- 3 p.m.—Music in the Air: GSG GSD
- 5:45 p.m.—Ted Rager's "Human Interest Editorial" Dedicated to the International DX'ers Alliance: W2XJ (26.3)
- 7 p.m.—Harvard Glee Club: WIXAL (6.04) or WIXAR (11.73)
- 8:30 p.m.—Round Table: WIXAL (6.04) WIXAR (11.73)
- 9:15 p.m.—Program from Ecuador: HCZRL (6.356)
- 10:15 p.m.—"Parsifal" by Wagner: DJB DJD
- 11 p.m.—Music in the Air: GSC GSD

Wednesday, May 24

- 9:50 a.m.—Epsom Derby: GSF GSG GSJ
- 12:15 p.m.—"World Affairs" H. Wickham Steed: GSC GSF
- 2:15 p.m.—Empire Day: W8XK (11.87) W2XE (11.83) GSG GSD
- 3:15 p.m.—Entertainment circuit: GSG GSD
- 5 p.m.—Today's news (English): WIXAL (11.79)
- 6:45 p.m.—Portuguese Mail Bag: W2XAD (9.55)
- 8:15 p.m.—Happy Program: PCJ (9.59)
- 9 p.m.—North American: SBP
- 9:30 p.m.—Jamaica on the Air: HHTS (5.95)
- 11 p.m.—Opera from Guatemala City: TGWA

Thursday, May 25

- 10 a.m.—Lucky Dip: GSF GSG GSJ
- 12:30 p.m.—DX news: W9XA (26.45)
- 4 p.m.—Special Program from New York's World Fair: WIXAL (11.79)
- 4 p.m.—Story, "Lots of Love": GSC GSD
- 5:45 p.m.—Talk, "More Food for Thought": GSD
- 8:30 p.m.—Prof. V. Torop: W2XAF (9.53)
- 8:45 p.m.—Selections from operas: ZRO3 ZRO4
- 9 p.m.—Folk songs: GSD GSB
- 10 p.m.—English broadcast: TIANRH
- 10:05 p.m.—English lessons: W4XB (6.04)
- 11 p.m.—Chamber music: TGWA

Friday, May 26

- 7 a.m.—Commemoration of British Columbia's Church in London: GSF GSG GSJ
- 3:15 p.m.—London Music Festival: GSG GSD
- 5:15 p.m.—News of future programs: W2XAD (15.33) W2XAF (9.53)
- 6:45 p.m.—Mahe and Paulina: W3XL (9.67) W3XL (6.1)
- 7:30 p.m.—From Sea Fell to the Sea: GSB GSD
- 8:45 p.m.—Guest Night: ZRO3 ZRO4 ZRO6 IRF
- 9 p.m.—BBC Empire Orchestra: GSD GSB
- 10:15 p.m.—Boston Spanish Club Fiesta: WIXAL (6.04) WIXAR (11.73)
- 10:45 p.m. & 11:15 p.m.—Transmissions of N. Y. World's Fair Radio Club: Amateur stations on all amateur bands
- 11:25 p.m.—Life in Paris: TPB7

Saturday, May 27

- 8 a.m.—County Cricket: GSF GSG GSJ
- 11:20 a.m.—British Open Amateur Golf Championship: GSF GSG GSJ
- 2 p.m.—In Town Tonight: GSG GSD
- 3 p.m.—Music Hall: GSG GSD
- 5:15 p.m.—Newark News Radio Club program: W2XJ (26.3)
- 7 p.m.—Program from Budapest, Hungary: HAT4
- 7:30 p.m.—Opera music: DJB DJD DJZ
- 9 p.m.—Hour of Costa Rica: TIPO (9.696)
- 10 p.m.—English broadcast: TIANRH
- 11 p.m.—Orchestral concert: TGWA
- 1 a.m.—News (English): TGWA TGWB

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHXX, Canada	6.13	LLG, Norway	9.61, 9.085
COOQ, Cuba	8.83	LRA, Argentina	9.69
CSW7, Portugal	9.735	LRX, "	9.69
DJB, Germany	15.39	OAX4J, Peru	9.84
DJD, "	17.77	OLR4A, Bohemia	11.94
DJL, "	15.11	OFZ, Denmark	9.86
DJZ, "	11.80	OZH, "	15.32
EJ433, Canarias	7.99, 10.87	PCJ, Holland	9.86, 15.22
EAS4K, Spanish Morocco	14.46	RAN, U.S.S.R.	9.86
EIRE, Ireland	17.84, 9.895	RKI, "	15.08
FG8AH, Guadeloupe	7.44	RNE, "	12.09
FO8AA, Tahiti	7.1	RV96, "	15.14
GSA, England	6.05	SPD, Sweden	11.705
GSD, "	9.31	SPW, Poland	11.83
GSG, "	9.08	TFAS, France	15.84
GSI, "	11.75	TFB, "	15.84
GSR, "	11.80	TGWA, Guatemala	15.17
GSP, "	15.15	TGZ, "	6.136
GSS, "	17.79	TIPG, Costa Rica	9.085
GST, "	21.47	TIANRH, "	9.085
GTL, "	15.26	TPAS, France	15.84
GTH, "	21.48	TPA3, "	11.88
GTO, "	15.18	TPB, "	11.71
GTP, "	15.31	TPH, "	17.35
GRY, "	9.60	VREME, Australia	9.89
GSV, "	17.31	VLR, "	9.89
HAB5, Hungary	15.37	WIXAL, Boston, Mass.	15.25, 11.79, 9.04
HATA, "	9.18	WIXAR, "	11.73, 15.13
HBF, Switzerland	14.535	XEOR, Mexico, D.F.	7.38
HBI, "	9.34	XEUZ, "	6.12
HBO, "	11.462	XEWV, "	9.5
HOLJB, Ecuador	14.43	XGOW, China	17.3
HOSB, "	12.46	XGOY, "	11.9
HOSL, "	6.386	XKSA, "	7.01
HOSR, Haiti	6.045	YVFRB, Venezuela	5.04
HP1A, Panama	11.7	ZBWS, China	9.825
HP5G, "	11.18	ZIK3, Brit. Hond.	5.3
HP4J, "	9.49	ZIZ, St. Kitts	6.888
HSEFJ, Stom	19.42	ZRL, So. Africa	9.61
HSPF, "	9.31	ZMT, S.S. Kanimbla	6.01
HVZ, Vatican City	10.12, 9.66, 6.03	ZRO3, Italy	9.688
IRP, Italy	9.80	ZRO4, "	11.31
JLO3, Japan	11.780	ZRO6, "	15.30
JEZ, "	11.80	ZRO9, "	9.87
JKH, "	15.14	ZRL, French Indo-China	6.110
JZL, "	17.785		

Short-wave programs of American stations are shown along with the regular listings beginning on page 21. These are indicated, for example, by (W-11.37) in parentheses following a program listing. This means that on 11.37 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

Daily Programs for May 28-June 3

Programs listed here are those broadcast daily at the times listed. Exceptions are indicated.

- 8 a.m.—Transmission to Asia: W6XBE (9.53)
- 8:30 a.m.—News (English): W6XBE (9.53)
- 8:30 a.m. (ex. Sun.)—News (English): VLR
- 9 a.m.—Program from Chungking, China: XGOY
- 9:15 a.m.—News (English): GSF GSG GSI
- 9:15 a.m.—Golden Gate Exposition Strollers: W6XBE (9.53)
- 9:25 a.m.—News (English): JLU3 (15.135) JZK
- 9:30 a.m.—Program from Ireland: EIRE (17.84)
- 10 a.m.—News (English): XGOY
- 11:30 a.m. (ex. Sun.)—News (English): W8XAL (6.06)
- 12 noon (ex. Sun.)—News: ZRO6
- 12:30 p.m. (ex. Sun.)—Farm Program: W2XAD (15.33)
- 1:17 p.m.—Arabic program from London: GSC
- 1:30 p.m.—News (English): HP5G
- 1:45 p.m.—Program by the Alma Latina Marimba Ensemble: TGWA
- 2 p.m.—News (English): GSD GSG GRY
- 2:20 p.m.—News (English): ZRO6
- 3 p.m. (ex. Thurs.)—Vatican City program: HVZ (6.03)
- 4 p.m.—News (French): W3XAL (21.63) W3XL (17.78)
- 4 p.m.—Variety program: ZRO6 ZRO9
- 5:30 p.m. (ex. Sun.)—News (English): GSD GSP
- 6 p.m. (ex. Sat., Sun.)—News (English): W1XAL (11.79) W1XAR (15.13)
- 6:45 p.m.—Program from Portugal: CSW7
- 7 p.m.—News (English): DJB DJD DJZ
- 7:15 p.m.—News (English): ZRO9
- 7:15 p.m. (ex. Sat., Sun.)—News (Portuguese): W2XE (15.27)
- 7:30 p.m.—News (English): HP5A
- 8 p.m.—News (Spanish): W6XBE (15.33)
- 8 p.m.—News (Portuguese): W3XAL (9.67)
- 8 p.m.—News (English): HP5A
- 8 p.m.—Soviet program: RAN RKI RV96
- 8:10 p.m.—News (English): W6XBE (15.33)
- 8:30 p.m. (ex. Sat.)—News (English): HAT4
- 8:30 p.m.—News (English): ZRO3 ZRO4 ZRO6
- 8:45 p.m. (ex. Sun.)—News (English): GSB GSD
- 8:55 p.m.—North American transmission from Prague: OLR4A
- 9:15 p.m.—News (English): DJB DJD DJZ
- 9:30 p.m.—News (Spanish): GSB
- 10 p.m.—News (English): W3XAL (9.67) W3XL (6.1)
- 10:30 p.m.—News (English): OLR4A
- 11 p.m.—News (English): TPB7 TPA4
- 11:30 p.m.—News (English): XEUZ
- 11:30 p.m.—News: DJB DJD DJZ
- 12 mid.—News (English): GSC GSD
- 1 a.m.—News (English): ZRL
- 1:30 a.m.—Overseas hour: JZK

Times given are EDT. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

THIS week's programs from London, England, will include an unusual number of exceptional offerings for music-lovers. John McCormack, world-famous Irish tenor, will be heard in a recital of ballads early Sunday morning, May 28, at 1 a.m. EDT, over stations GSD and GSF. At 10 a.m. EDT, on the same day, the last concert of the current London Music Festival will be broadcast from Queen's Hall, over stations GSF, GSG and GSJ. The BBC Symphony Orchestra will be conducted by Arturo Toscanini, and the BBC Choral Society will accompany featured artists: Zinka Milanov, soprano; Kerstin Thorborg, contralto; Coleman Von Pataky, tenor, and Nicola Moscona, bass. . . . Beniamino Gigli will be heard as Alfredo in the production of "La Traviata" at Covent Garden Opera House, London, which is to be broadcast on Wednesday, May 31, at 4:10 p.m. EDT, over stations GSG and GSD. . . . On Saturday, June 3, at 2:30 p.m. EDT, selections from "Israel in Egypt," sung by a chorus of one thousand voices, from the Handel Festival at Alexandra Palace, will be heard over stations GSG and GSD.

An eye-witness account of the annual hill-climb of the Midlands Automobile Club at Shelsley Walsh, near Worcester, England, will bring thrills galore to listeners tuned to Daventry stations GSF, GSG or GSJ on Saturday, June 3, at 10 a.m. EDT.

Interesting DX broadcasts are radiated each Sunday morning from 3 to 3:30 a.m. EDT, over TG2 (6.195), "Radio Morse" of Guatemala City, Guatemala. Attractive verification cards are sent free to all reporting reception of these programs. To encourage a greater number of reports, Eduardo Perez F., Director General of Communications for Guatemala, has authorized me to announce that mint and used stamps of Guatemala will be sent to those submitting the best reception reports. Stamp-collector listeners may find this an excellent opportunity to obtain a gratis supply of the famous Guatemalan triangular stamps.

According to August Balbi of Los Angeles, Calif., Radio Saigon, which was heard daily from 8:30 to 11 a.m. EDT, with very loud signals on its frequency of 6.116, has now moved to a new channel of 11.78 megas, where

it is heard with even greater volume. This Saigon, French Indo-China, station is now the best-heard Asiatic.

Larry Lundberg of Minneapolis, Minn., writes that ZNS (6.09), power 200 watts, newly inaugurated at Nassau in the Bahamas Islands, relays a 1,000-watt broadcast station with the same call letters daily from 2:30 to 3 and from 9 to 10 p.m. EDT. The programs often include relays of the Daventry programs from London and the signature selection is always "God Save the King." Reports are welcome and should be sent to K. P. Brown, Secretary of Broadcasting, Office of the Director of Telecommunications, East Street, Nassau, Bahamas.

The San Mateo Junior College officials of San Mateo, Calif., have requested a permit from the Federal Communications Commission, for the operation of a 100-watt non-commercial educational station on the ultra-high-frequency of 41.06 megas.

SHORT-WAVE SHORTS: TIPG, San Jose, Costa Rica, has again shifted frequency, this time to 9.62 megas. . . . The power of French government short-wave station "Paris Mondial" is to be greatly increased in the near future. . . . The frequency of short-wave station 9MI, aboard the M. V. Kawimbia, has been shifted to 6.056 megas. . . . Ultra-high-frequency station WEXWJ of Detroit, Mich., has moved to its new frequency of 42.06 megas and is testing there. . . . W1XAL, the University Club Station at Boston, Mass., tests on 21.46 megas Tuesday at 11 a.m. EDT, and transmits a special test program for Europe on a frequency of 15.25 megas Wednesdays from 2 to 3 p.m. EDT. . . . The new address for the Nippon Hoso Kyokai (The Broadcasting Corporation of Japan), is 2-Chome, Uchisaiwaicho, Jijimachi-Ku, Tokyo, Japan. . . . According to the International Radio Monitors, LLG (9.61) of Oslo, Norway, is now broadcasting only from 4 to 7 p.m., the 9 to 10 and 12 midnight to 1 a.m. EDT, periods having been discontinued. The 8.025 megas frequency which has been heard occasionally in parallel with LLG, is ordinarily used by Oslo commercial station LCL. . . . Amateur station OQ5ZZ (14.32), operated by the Gatti African Expedition in the heart of the Belgian Congo, is being heard occasionally in the United States from 8 to 9 p.m. EDT.

- 6 p.m.—Speech by King George: W2XAD (15.33) W2XAF (9.53) W2XE (17.89)
- 7 p.m.—Harvard Glee Club: W1XAL (6.04) or W1XAR (11.73)
- 8 p.m.—School Choir: HAT4
- 8:10 p.m.—BBC Theater Organ: GSB GSD
- 8:45 p.m.—Policeman's orchestra: HAT4
- 9 p.m.—The Bohemians: GSB GSD
- 9:15 p.m.—Program from Ecuador: HC2RL (6.356)
- 9:30 p.m.—European folk-songs: DJB DJD DJZ
- 10 p.m.—Happy program: PCJ (9.59)
- 10:15 p.m.—Operetta, "Der Vogelhaender": DJB
- 11 p.m.—Orchestral Concert for United States: TGWA
- 1:45 a.m.—Sketch, "Green Leaves": JZK

Wednesday, May 31

- For programs broadcast daily see Daily Programs (col. 1)
- 8:25 a.m.—"Jutland": May 31, 1916: GSF GSG
 - 10:30 a.m.—Mail Bag: W2XAD (21.5)
 - 12:15 p.m.—World Affairs: GSF GSG
 - 1:30 p.m.—American Aviation: W3XAL (21.63) W3XL (17.78)
 - 2 p.m.—Test program for Europe: W1XAL (15.25)
 - 4:10 p.m.—Opera, "La Traviata": GSD GSG
 - 4:30 p.m.—Church in the Wildwood: W2XAD (15.33) W2XAF (9.53)
 - 6:45 p.m.—Portuguese Mail Bag: W2XAD (9.55)
 - 8 p.m.—Television Show: W2XBS (Sight 45.25; Sound 49.75)
 - 8:15 p.m.—Happy program: PCJ (9.59)
 - 8:45 p.m.—Press review: DJB DJD DJZ
 - 8:45 p.m.—Enzo Aita, tenor: ZRO3 ZRO4 ZRO6
 - 9 p.m.—Hawell Silver Band: GSB GSD
 - 9:15 p.m.—Organ concert: ZRO3 ZRO4 ZRO6 IRF
 - 10:45 p.m.—DX Broadcast from Panama: HP5G HOA (2.34)

Thursday, June 1

- For programs broadcast daily see Daily Programs (col. 1)
- 10 a.m.—Stratford's Diamond Jubilee: GSF GSG
 - 10:15 a.m.—Lucky Dip: GSF GSG GSI
 - 12:30 p.m.—DX news: W9XA (25.45)
 - 4:45 p.m.—Six Day Bicycle Race: GSD GSG
 - 7:45 p.m.—Truths Behind the Headlines: W1XAL (6.04) or W1XAR (11.73)
 - 8 p.m.—Concert orchestra: HAT4
 - 8:30 p.m.—Cards on the Table: GSB GSD
 - 8:45 p.m.—Hungarian folk-songs: HAT4
 - 10 p.m.—English broadcast: TIANRH
 - 10:30 p.m.—American Aviation: W3XAL (6.1) W3XL (9.67)

Friday, June 2

- For programs broadcast daily see Daily Programs (col. 1)
- 8:15 a.m.—Friday Midday Concert: GSF GSG GSI
 - 9 a.m.—Golf: England vs. France: GSF GSG GSI
 - 3:15 p.m.—Time to Laugh: GSD GSG
 - 4:50 p.m.—Six-Day Bicycle Race: GSD GSG
 - 5:15 p.m.—News of future programs: W2XAD (15.33) W2XAF (9.53)
 - 7:45 p.m.—Truths Behind the Headlines: W1XAL (11.79) W1XAR (11.73)
 - 8:30 p.m.—Elements of Aviation: W1XAL (6.04) or W1XAR (11.73)
 - 8:40 p.m.—Bela Kiss Gypsy Band: HAT4
 - 8:45 p.m.—Military Orchestra: HAT4
 - 9 p.m.—Madness Melodies: W2XAD (9.55)
 - 9:15 p.m.—Amy Bernardy: ZRO3 ZRO4 ZRO6 IRF
 - 10:45 & 11:15 p.m.—Transmissions of New York World's Fair Radio Club: Amateur stations on all amateur bands
 - 11 p.m.—Moonlight music: W3XAL (9.67) W3XL (6.1)
 - 12 mid.—Tahiti on the Air: FO8AA (7.1)

Sunday, May 28

For programs broadcast daily see Daily Programs (col. 1)

- 8:15 a.m.—Japan Invites You Series: JZK
- 8:30 a.m.—Church services: VUC2 (4.88)
- 9 a.m.—Program from Denmark: OZH
- 10 a.m.—London Music Festival: GSF GSG GSI
- 12:10 p.m.—Symphonic Concert: DJB
- 2:45 p.m.—Closing of London Music Festival: GSD
- 2:45 p.m.—Raul Panigass, pianist: TGWA
- 3:30 p.m.—NBC's German Mail Bag: W3XL (17.78) W3XAL (21.63)
- 4 p.m.—The Living Bible: W1XAR (11.73) W1XAL (6.04)
- 4:10 p.m.—Yascha Krein's orchestra: GSD GSG
- 5:05 p.m.—News (English): GSD GSP
- 5:30 p.m.—Pathways to Peace: W1XAR (11.73) or W1XAL (6.04)
- 6 p.m.—Football broadcast: TGWA
- 7 p.m.—Mexican hour: XEOR XEWV
- 8 p.m.—2nd Infantry Regiment Band: HAT4
- 8:05 p.m.—Serial, "The Prisoner of Zenda": GSB
- 8:15 p.m.—Holland program: PCJ (9.59)
- 8:30 p.m.—News (English): GSB GSD
- 8:45 p.m.—Royal Opera House Orchestra: HAT4
- 8:45 p.m.—Opera, "Mefistofele": ZRO3 ZRO4
- 9 p.m.—Collegium Musicum: DJB DJD DJZ
- 9:30 p.m.—Comedy, "Tartuffe": Mollere: TPA4
- 10 p.m.—Short-Wave Listener's Mail Bag: CHXX
- 11 p.m.—Friendship Program: PSH (10.22)
- 11:25 p.m.—English talk concerning French events: TPB7 TPA4

Monday, May 29

For programs broadcast daily see Daily Programs (col. 1)

- 9:15 a.m.—Economic Equality in East Asia: JZK
- 11:25 a.m.—Serial, "The Cabin in the Hills": GSF
- 3:45 p.m.—New York World's Fair (German): W3XAL (21.63) W3XL (17.78)
- 4:30 p.m.—Church in the Wildwood: W2XAD (15.33) W2XAF (9.53)
- 4:50 p.m.—Six-Day Bicycle Race: GSD GSG
- 5:30 p.m.—Travel: W2XAF W2XAD (15.33)
- 6 p.m.—A thousand years of German poetry: DJB
- 7 p.m.—English program from Martinique: Radio Martinique (9.7)
- 7:30 p.m.—Variety program: HBO HBJ
- 7:45 p.m.—Folk-dances and songs: DJB DJD DJZ
- 8:30 p.m.—Bulletin for DX'ers: W1XAL (6.04) W1XAR (11.73)
- 9 p.m.—Dance Band: GSB GSD
- 12:15 a.m.—Empire Exchange: GSC GSD

Tuesday, May 30

For programs broadcast daily see Daily Programs (col. 1)

- 9:55 a.m.—Ceremonial Opening of the Triennial Conference of the Associated Country Women of the World: GSF GSG GSI
- 1:30 p.m.—Broadcast from Algiers: TPZ (8.96)
- 2:30 p.m.—Gentlemen You May Smoke: GSD GSG
- 4:15 p.m.—Scenes from "Macbeth": GSD GSG
- 5 p.m.—Post Box: W1XAL (11.79) W1XAR (15.13)

Saturday, June 3

For programs broadcast daily see Daily Programs (col. 1)

- 8:30 a.m.—Aston Hippodrome Orchestra: GSF
- 10 a.m.—Midland Automobile Club Hill Climb: GSF GSG GSI
- 10:30 a.m.—Royal Review of London Fire Brigade and London Auxiliary Fire Service: GSF GSG
- 1:30 p.m.—Parade of the States: Illinois: W3XAL (21.63) W3XL (17.78)
- 2:30 p.m.—Handel Festival: GSD GSG
- 3 p.m.—MUSIC HALL: GSD GSG
- 4:30 p.m.—Band of Royal Military College: GSD
- 4:50 p.m.—Finish of Six Day Bicycle Race: GSD
- 5:15 p.m.—Newark News Radio Club program: W2X31 (26.3)
- 6 p.m.—News (English): RNE
- 7:30 p.m.—News (English): HAT4
- 7:30 p.m.—Music Hall: GSB GSD
- 8:30 p.m.—Sir Francis Drake Hotel orchestra: W6XBE (15.33)
- 9 p.m.—Hour of Costa Rica: TIPG (9.695)
- 9:15 p.m.—Program from Belice, British Honduras: ZIK3
- 10 p.m.—English broadcast from Costa Rica: TIANRH
- 10:30 p.m.—Hawaii Calls: KQH (14.92) KKH (7.52)
- 11 p.m.—Moonlight music: W3XL (6.1) W3XAL (9.67)
- 1 a.m.—News (English): TGWA TGWB
- 3 a.m.—International DX'ers Alliance Program from Guatemala: TG2 (6.195)

On Short Waves:

Edited by Chas. A. Morrison
President, International DX'ers Alliance

Times given are EDT. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

TELEVISION is hitting its stride. History's first televised baseball game, an intercollegiate contest between Columbia and Princeton Universities, was broadcast in New York over NBC station W2XBS recently. The same station carried daily squirts at the six-day bicycle-race run at Madison Square Garden, May 20 to May 25, inclusive. Thomas H. Hutchinson, NBC television program manager, stated in this connection: "The sports fan expects us to bring him the events he cannot attend in person. Insofar as it is possible, we are going to meet that demand. News while it is still in the making, long before the outcome of an event is assured, is one field where television already surpasses all other media of mass communication."

Dr. W. R. G. Baker, head of the television department for General Electric Company, declares television ultimately will become an "electronic pedler," bringing daily to housewives an animated presentation of a store's wares. Latest styles will be paraded before feminine eyes. Cooking demonstrations and lessons in interior decorating and gardening will delight the housewife, while friend hubby, at ease in his favorite lounging-chair, will look over the new model automobiles, paraded and demonstrated for him in a new and dramatic style. "In the next five years, hundreds of television transmitters will probably be built and installed—millions of receivers may be in use in homes by 1944," Mr. Baker stated.

Making all due allowances for over-optimism in statements of some manufacturers, we can no longer overlook the fact that "television is here"; that it has introduced a new and thrilling entertainment and educational medium to viewers in large metropolitan centers; that it will be available in dozens of smaller cities within a short time, and that it will have a profound influence upon all of us within a few years at the most.

President Roosevelt's address welcoming King George and Queen Elizabeth to Washington will be broadcast throughout the world Thursday, June 5, at 12 noon EDT, over short-wave stations W3XK (15.71), W2XAD (15.33) and W2XE (17.83).

"Steady and Strong" will be the theme of this year's Aldershot Tattoo, to be broadcast from Rustmoor Arena, on Tuesday, June 6, at 10:10 and 11:30 a.m. EDT, over Daventry stations GSF, GSG and GSJ. The magnificent pageant will depict a display of Britain's modern mechanized army and in contrast, a presentation depicting the visit of Queen Elizabeth to Tilbury in 1588, to review her troops at the time of the threatening invasion, and a dramatic grand finale symbolizing the legend of Drake's Drum. . . . One of the most spectacular of London's annual ceremonies, Trooping the Color on the Horse Guards' Parade by troops of the Household Brigade, the Army's own celebration of the King's birthday, will be described on Thursday, June 8, at 6:15 a.m. EDT, over Daventry stations GSF, GSG and GSJ. In this year's Trooping of the Color, the King, absent in America, will be represented by the Duke of Gloucester, who will place himself at the head of the guards and lead them to Buckingham Palace.

In response to many letters asking when Big Ben may be heard striking the hour from its lofty perch atop the Tower of Parliament in London, are daily as follows: 1 a.m., over GSD and GSI; 10 a.m., over GSF, GSG and GSJ; 2 p.m., over GSG and GSD; 9 p.m., over GSB and GSD, and 11 p.m., EDT, over GSC and GSD.

SHORT-WAVE SHORTS: Several stations have shifted to new frequencies lately. These are as follows: TIPG, San Jose, Costa Rica, to 9.612 megs; HII3W, Port-au-Prince, Haiti, to 9.785 megs; COCM, Havana, Cuba, to 9.815 megs; COCQ, Havana, Cuba, to 8.85 megs; 9MI, the M. V. Kambodia, to 6.055 megs; JFO, Taihoku, Taiwan, to 9.08 megs, and YV5RJ, now YV5RY, to 4.79 megs. . . . RKL, Moscow, is being heard on its optional frequency of 15.04 megs, daily from 8 to 10 p.m. EDT, in parallel with RV96 (15.18) and RAL (9.6), during the program for North America. . . . HJ1ABP (9.618) of Cartagena, Colombia, long a popular favorite on the 31-meter band, has at last shifted to a frequency of 4.824 megs in the new 62-meter band. . . . HC2ET, "Radio El Telegrapho" of Guayaquil, Ecuador, which broadcast for years in the vicinity of 4.56 to 4.6 megs, has now shifted in frequency to 9.19 megs, where it is heard irregularly to 10:15 or 10:30 p.m. EDT. . . . Officials of TAP (9.463) of Ankara, Turkey, state that the C. W. interference, which almost completely obliterates their station's signals, has been traced to a commercial transmitter in New Jersey and that proper steps are being taken to eliminate this nuisance so that listeners in the United States may enjoy their programs. . . . According to Carl Weber of Camden, N. J., short-wave station LYR (9.285) operates with a power of 500 watts. Reports should be sent to Lithuanian Trumpuju bangu stotis, Kaunas, Lithuania. . . . Cautiously written on the inside of an envelope containing a letter from amateur Frank Drakenis of Kaunas, Lithuania, to Ray Messer of South Portland, Maine, were these words concerning the pictorial views on the envelope, "These beautiful views now belong to Germany. The Lithuanians were forced to cede it to them. What a pity." Apparently even letters of the natives of neighboring countries are subject to Nazi censorship.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHFK, Canada	8.13	LXX, Argentina	9.68
COCC, Cuba	8.95	OAK42, Peru	9.24
CSWT, Portugal	9.735	OLR44, Bohemia	11.84
DJB, Germany	10.20	OZF, Denmark	9.68
DJD, "	11.77	OZB, "	18.38
DJL, "	18.11	PCJ, Holland	9.39, 18.22
DJZ, "	11.80	PIU, "	17.775
KIRL, Ireland	17.84, 9.095	RAZ, U.S.S.R.	9.60
		RKI, "	18.28
FOIAH, Guadeloupe	7.44	RNE, "	18.20
FOAAA, Tahiti	7.1	RV96, "	15.18
OSA, England	6.93	SBP, Sweden	11.700
OSB, "	9.51	SPD, Poland	11.83
OSC, "	9.38	SPW, "	13.84
OSD, "	11.75	TFJ, Iceland	18.23
OSE, "	11.90	TOWA, Guatemala	15.17
OSF, "	10.14	TOWB, "	6.49
OSO, "	17.70	TOZ, "	6.195
OSH, "	21.47	TIPO, Costa Rica	9.613
OSI, "	16.88	TIANEM, "	9.409
OSJ, "	21.58	TPAZ, France	16.84
OSL, "	18.18	TPA3, "	11.88
OSP, "	18.31	TPA4, "	11.71
OSY, "	9.59	TPB3, "	17.85
OST, "	17.31	TPBT, "	11.855
HAA3, Hungary	18.37	VXEMZ, Australia	9.59
HAT4, "	9.12	VLN, "	9.59
HBJ, Switzerland	14.838	WIXAB, Boston, Mass.	
HBL, "	9.14		18.24, 11.79, 6.04
HBO, "	11.422	WIXAR, "	
HCIJB, Ecuador	19.43		11.78, 18.13
HCIJB, "	18.40	XECR, Mexico, D.F.	7.88
HCIJL, "	6.916	XEU, "	6.12
HCIJL, "	6.095	XEW, "	9.5
HII3W, Haiti	9.785	XGOX, China	17.8
HP5A, Panama	11.78	XGUY, "	13.9
HP5G, "	9.80	XPSA, "	7.01
HP5J, "	19.02	YV5RH, Venezuela	8.04
HSP2, Siam	9.61	ZBW3, China	9.825
HSP2, "		ZIK3, Brit. Hond.	6.3
HVT, Vatican City	16.12, 9.06, 9.33	ZIZ, St. Kitts	4.395
IRY, Italy	9.83	ZNL, So. Africa	9.61
JLGJ, Japan	11.705	ZRO3, Italy	9.636
JZJ, "	11.80	ZRO4, "	11.81
JZE, "	10.16	ZRO5, "	16.30
JZL, "	17.785	ZRO9, "	9.67
LRA, Argentina	9.69		

Short-wave programs of American stations are shown along with the regular listings beginning on page 10. Those are indicated, for example, by (15-11.87) in parentheses following a program listing. This means that an 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

Daily Programs for June 4-June 10

Programs listed here are those broadcast daily at the same time. Exceptions are indicated.

- 8 a.m.—Transmission to Asia: W6XBE (9.53)
- 8:30 a.m.—News (English): W6XBE (9.53)
- 8:30 a.m. (ex. Sun.)—News (English): VLR
- 9 a.m. (ex. Sun.)—News (English): W3XAL (21.63) W3XL (17.78)
- 9 a.m.—News: PHH or PCJ (15.22)
- 9 a.m.—Classical music: DJL
- 9:15 a.m.—News (English): GSF GSG GSJ
- 9:25 a.m.—News (English): JZK JLU3 (15.135)
- 10 a.m.—News (English): XGOY
- 10 a.m. (ex. Sun.)—News (Spanish): W2XAD (21.5)
- 11:30 a.m. (ex. Sun.)—News (English): W8XAL (6.06)
- 12 noon—News (English): GSF GSG GSJ
- 12:30 p.m. (ex. Sun.)—Farm Program: W2XAD (15.33)
- 1 p.m.—Intercontinental hour: HP5G
- 1:17 p.m.—Arabic program: GSC GSP
- 1:30 p.m.—News (English): HP5G
- 2 p.m.—News from London: GSD GSG GRY
- 2:20 p.m.—News (English): ZRO6
- 3 p.m.—News (German): W3XAL (21.63) W3XL (17.78)
- 3:30 p.m. (ex. Sat., Sun.)—News: W1XAL (11.79) or W1XAR (15.13)
- 4 p.m.—News (French): W3XAL (21.63) W3XL (17.78)
- 4 p.m. (ex. Sat., Sun.)—News (Portuguese): W2XE (17.83)
- 5:30 p.m. (ex. Sun.)—News (English): GSD GSG GRY
- 6 & 9 p.m. (ex. Sun.)—News (Spanish): W3XAL (17.78) W3XL (9.67)
- 7 p.m.—News (English): DJB DJD DJZ
- 7 p.m.—News (English): W9XA (26.45)
- 7:15 p.m.—News (English): ZRO9
- 7:30 p.m.—News (English): HP5A
- 7:30 p.m.—Transmission to Latin America: W6XBE (15.33)
- 8 p.m.—News (Spanish): W6XBE (15.33)
- 8 p.m.—Program from Budapest: HAT4
- 8 p.m.—News (English): HP5A
- 8:30 p.m. (ex. Sat.)—News (English): HAT4
- 8:30 p.m.—News (English): ZRO3 ZRO4 ZRO5 IIF
- 9 p.m.—Program from Nassau, Bahamas: ZNS (6.09)
- 9 p.m.—Overseas hour: JZL
- 9:30 p.m.—News (Spanish): GSB
- 9:30 p.m.—North American transmission: TPB7 TPB4
- 10 p.m.—News (English): W3XAL (9.67) W3XL (6.1)
- 11 a.m. (ex. Mon.)—Friendship hour: HCIJB HCI2B
- 11 p.m.—News (English): TPB7 TPB4
- 11:30 p.m.—News (English): DJB DJH DJZ
- 12 mid. (ex. Wed., Fri.)—Mauritius Concert: TGWA
- 12:45 a.m. (ex. Sat.)—Program from South Africa: ZIL
- 1:30 a.m.—Overseas hour: JZK

Sunday, June 4

For programs broadcast daily see Daily Programs (cont. 2)

- 8:30 a.m.—Church services: VUX2 (4.68)
- 9 a.m.—Program from Denmark: OZH
- 10 a.m.—Broadcast from Budapest: HAN3
- 10:15 a.m.—Sandhurst Royal Military College Band: GSF GSG GSJ
- 12:10 p.m.—Symphonic Concert: DJB
- 2:40 p.m.—Iceland hour: TFJ
- 2:45 p.m.—Mail Bag: W3XAL (21.63) W3XL (17.78)
- 3 p.m.—Congregational services: GSD GSG
- 3:25 p.m.—Mayan Sincere: TGWA (15.17)
- 4 p.m.—Living Bible: W1XAR (11.73) W1XAL (6.04)
- 4:30 p.m.—Military Band Concert: TGWA (15.17)
- 4:30 p.m.—The World of Song: W1XAR (11.73) or W1XAL (6.04)
- 5:05 p.m.—News (English): GSD GSG
- 6 p.m.—Football broadcast: TGWA (15.17)
- 7 p.m.—Mexican hour: XECR XEWV
- 8 p.m.—Budapest Workmen's Choir: HAT4
- 8:15 p.m.—Band Concert: TGWA (15.17)
- 8:15 p.m.—Netherlands program for North America: IV2 (9.59)
- 8:45 p.m.—Opera, "Andrea Chenier": ZRO3 ZRO4 ZRO5 IIF
- 9 p.m.—Horsham Borough Band: GSB GSD
- 9:45 p.m.—Salon Orchestra: TGWA (9.685)
- 11 p.m.—Symphonic Concert: TGWA (9.685)
- 11:40 p.m.—Irish Love Story in Song: GSC GSD

Monday, June 5

For programs broadcast daily see Daily Programs (cont. 3)

- 9 a.m.—Program from Siam: HSP2
- 11:25 a.m.—Masters of Melody: GSF GSG GSJ
- 2:15 p.m.—"Empire Exchange," talks: GSD GSG
- 4 p.m.—BBC Military Band: GSD GSG
- 4:30 p.m.—Church in the Wildwood: W2XAD (15.33) W2XAF (9.53)
- 5 p.m.—Today's News: W1XAL (11.79) W1XAR (15.13)
- 5:45 p.m.—Round Table: W1XAL (11.79) W1XAR (15.13)

- 5:30 p.m.—Traveling: W2XAF (9.53) W2XAD (15.33)
- 6:25 p.m.—"Hymns and the Highwayman": GSD GSF GRY
- 7:25 p.m.—Royal Navy: GSB GSD
- 7:45 p.m.—Variety program: HHO HBU
- 7:55 p.m.—BBC Empire Orchestra: GSB GSD
- 8:30 p.m.—Bulletin for DX'ers: W1XAL (6.04) or W1XAR (11.73)
- 8:45 p.m.—Popular Italian songs: ZRO3 ZRO4 ZRO5 IIF
- 9 p.m.—Brazil on the Air: PS11 (10.22)
- 9:15 p.m.—Mail Bag: ZRO3 ZRO4 ZRO5 IIF
- 10:05 p.m.—English lessons: W4XB (6.04)
- 12 mid.—Mauritius Ensemble: TGWA (9.685)
- 12:30 a.m.—Salute to Cities: W8XAL (6.06)

Tuesday, June 6

For programs broadcast daily see Daily Programs (cont. 2)

- 9 a.m.—"The Foreign Office," Sir Robert Vansittart: GSF GSI GSI
- 10:10 & 11:30 a.m.—Aldershot Tattoo: GSF GSG GSJ
- 1:30 p.m.—Broadcast from Algers: TIPZ (8.96)
- 1:45 p.m.—DX News: W9XA (26.45)
- 3 p.m.—Music in the Air: GSD GSG
- 4 p.m.—Understanding Music: W1XAL (11.79) or W1XAR (15.13)
- 4:30 p.m.—Stop Daring: GSB GSG
- 5 p.m.—Listener's Post Box: W1XAL (11.79) or W1XAR (15.13)
- 5:45 p.m.—Human Interest Editorial: W2XAL (26.3)
- 6 p.m.—Royal Opera House Orchestra: HAT4
- 8:30 p.m.—Klanar and Coober's Gypsy Band: HAT4
- 8:45 p.m.—Tuesday Symphonies: ZRO3 ZRO4 ZRO5 IIF
- 9 p.m.—Mikhailov's Bessarabian Orchestra: GSB GSD
- 9:15 p.m.—Program from Belier, British Honduras: ZIK3
- 9:30 p.m.—Furlbach Choir: DJB DJD DJZ
- 10 p.m.—English broadcast: TIANHH
- 11 p.m.—Orchestra Concert: TGWA (9.685)
- 11:25 p.m.—English talk, "Life in Paris": TPB7 TPB4

Wednesday, June 7

For programs broadcast daily see Daily Programs (cont. 2)

- 10:30 a.m.—Mail Bag: W2XAD (21.5)
- 12:15 p.m.—"World Affairs," Sir Alfred Zimmerman: GSF GSG GSJ
- 1:30 p.m.—Al Collins' orchestra: GSD GSG
- 2:30 p.m.—Arsesdon Quintet: GSD GSG
- 3 & 4 p.m.—Opera, Verdi's "Otello": GSD GSG (11.79) or W1XAR (15.13)
- 4:30 p.m.—Goodwill program to France: W1XAL (11.79) or W1XAR (15.13)
- 5:30 p.m.—Camera Club: W2XAL (26.3)
- 6 p.m.—Television Show: W2XAD (26.3) 45.25; (Sound 49.75)
- 8:15 p.m.—Zlatan Time, tango: HAT4
- 8:45 p.m.—Press review: DJB DJD DJZ
- 9 p.m.—North American program: -BP
- 9:15 p.m.—Light music: ZRO3 ZRO4 ZRO5 IIF
- 10:30 p.m.—King George and Queen Elizabeth enter the United States: W8XK (11.87) W2XE (11.83)
- 11:15 p.m.—Lucky Dip: GSC GSD

Thursday, June 8

For programs broadcast daily see Daily Programs (cont. 2)

- 6:15 a.m.—Trooping the Color: GSF GSG GSJ
- 11 a.m.—Mishin Machine: W3XAL (21.63) W3XL (17.78)
- 12 noon—President Roosevelt Welcoming King and Queen: W8XK (15.21) W2XAD (15.33) W2XE (17.83)
- 12:15 p.m.—"Matters of Moment," Harold Nordson: GSF GSG GSJ
- 4 p.m.—New York World's Fair program: W1XAL (11.79)
- 6 p.m.—British Embassy Garden Party in Honor of King and Queen: W8XK (11.87) W2XE (17.83)
- 8:30 p.m.—Talk by Prof. V. Tivar: W2XAF (9.53)
- 8:45 p.m.—Istvan Laza, operatic songs: HAT4
- 10 p.m.—English broadcast: TIANHH
- 10:05 p.m.—English lessons: W4XB (6.04)
- 11 p.m.—Chandler music: TGWA (9.685)

Friday, June 9

For programs broadcast daily see Daily Programs (cont. 2)

- 8 a.m.—"Under Big Ben," Howard Marshall: GSF GSG GSJ
- 11 a.m.—Play, "Kings in Chains": GSF GSG GSJ
- 11:30 a.m.—Birmingham Royal Horse Show: GSF GSG GSJ
- 3 p.m.—King and Queen at the Tomb of Washington: W8XK (11.87)
- 3:15 p.m.—Time to Launch: GSD GSG
- 4 p.m.—King and Queen at the Tomb of the Unknown Soldier: W8XK (11.87) W2XE (17.83)
- 4 p.m.—Northern Entertainment Tour from Hackpool: GSD GSG
- 4:30 p.m.—Church in the Wildwood: W2XAF (9.53) W2XAD (15.33)

(Continued on Next Page)

ON SHORT WAVES

(Continued from Previous Page)

- 7:30 p.m.—Play, "Kings in Chains": GSB GSD
7:45 p.m.—Truth Behind the Headlines: W1XAL (11.79) or W1XAH (11.73)
8 p.m.—Pathways to Peace: W1XAL (11.79) or W1XAH (11.73)
8 p.m.—Philharmonic Orchestra: HAT4
8:30 p.m.—Carmen Molina, songs: YV5RN
8:30 p.m.—Talk, "More Food for Thought": GSB GSD
8:40 p.m.—Gypsy band: HAT4
8:45 p.m.—Guest Night: 2R03 2R04 2R06 IRF
9 p.m.—Matinee Melodies: W2XAD (9.55)
9:15 p.m.—Amy Bernant: 2R03 2R04 2R06 IRF
10:45 p.m.—Departure of King and Queen: W2XAF (9.53)
10:45 & 11:15 p.m.—Transmissions of New York World's Fair Radio Club: Amateur stations on all amateur bands
11 p.m.—Radio Theater: TGWA (9.685)
11 p.m.—Moonlight Music: W3XAL (9.67) W3XL (6.1)
11:25 p.m.—Life in Paris: TP87 TPA4
12 mid.—Tahiti on the Air: FOBAA (7.1)
12 mid.—English hour: XENA (6.175)
12:15 a.m.—Cards on the Table: GSC GSD
2 a.m.—Voice of Hawaii: KQH (14.92) KKII (7.52)

Saturday, June 10

For programs broadcast daily see Daily Programs (col. 3)

- 8 a.m.—County Cricket: GSF GSG GSD
11 a.m.—Mail Bag: W3XAL (6.06)
11:30 a.m.—Geraldo's orchestra: GSF GSG
1:15 p.m.—Calling All Stamp Collectors: W2XAD (15.33)
1:30 p.m.—Parade of the States: W3XAL (21.63) W3XL (17.78)
2:30 p.m.—Play, "The Dark": GSD GSG
3 p.m.—Music Hall: GSD GSG
4 p.m.—Piccadilly Peakers: GSD GSG
4:45 & 6:30 p.m.—Aldershot Searchlight Tattoo: GSD GSP GRY
5:15 p.m.—Newark News Radio Club Program: W2XJL (26.3)
6 p.m.—News (English): RNE
7 p.m.—Tourist hour: HP5A
7:30 p.m.—Music Hall: GSB GSD
8 p.m.—Gypsy band: HAT4
8:30 p.m.—London Log: GSB GSD
8:30 p.m.—Play: HAT4
8:45 p.m.—Fatu, Biondi, Castellano Trio: 2R03 2R04 2R06 IRF
9 p.m.—North American program: SBP
9 p.m.—Hour of Costa Rica: TTPG
9:15 p.m.—Talk, "Runtan Landmarks": 2R03 2R04
9:15 p.m.—Program from Belize, British Honduras: ZIK3
9:30 p.m.—Special transmission for Oklahoma: DJB DJD DJZ
10 p.m.—Saturday Theater: LRX
10:30 p.m.—Hawaii Calls: KQH (14.92) KKII (7.52)
11 p.m.—Moonlight music: W3XL (6.1) W3XAL (9.67)
11:15 p.m.—North Country Songs and Times: GSC GSD
12:15 a.m.—Harp recital: GSC GSD
1 a.m.—News (English): TGWA TGWB
3 a.m.—International DX'ers Alliance Program from Guatemala: TG2 (6.195)

On Short Waves: Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are EDT. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

SHORT-WAVE broadcasting in the United States has entered a second and more mature stage of its development. According to a recent decree of the Federal Communications Commission the experimental status of international broadcasting is to be abolished in favor of the granting of regular licenses which will permit these stations to transmit commercial or sponsored programs, under certain restrictions. Advertising plugs will be limited to the name of the sponsor and the name and general character of the commodity, utility or service. Another of the new rules affecting the short-wave service states that licensees of international broadcast stations "shall render only an international broadcast service which will reflect the culture of this country and which will promote international good-will, understanding and cooperation." Some observers see in this clause another step in the Federal Communications' ever-tightening grip on radio which many fear will end in a government censorship of broadcasting such as is now in effect in several foreign countries. We, the American listening public, must never allow the cultural, educational and entertainment aspects of our international service to be subordinated or completely stifled in favor of insidious propaganda broadcasts which would be controlled by selfish political interests. Traditional American freedom of speech and thought must be preserved at all costs.

Another one of Dixentry's new GR-frequencies has been introduced, namely GRX (9.69), which is on the air daily from 1:25 to 5 and from 5:20 to 7 p.m. EDT, replacing GRY (9.6) for this transmission.

Lee Mason of Detroit, Mich., writes that EAQ (9.86), at one time the "Voice of Republican Spain," is now back on the air with a nightly broadcast for North America, from 8:30 to 9:30 p.m. EDT. The new identification is "Radio Nationalist Spain, EAQ, Madrid," while the closing announcement is "Franco, Franco, Franco, Viva Espana." Letters from American listeners are solicited and the announcer promises to promptly verify each correct report.

An intriguing DX station, "Radio Leo," operated by Father Moles of the Catholic Society of Jesus at 7 Avenue Lippens, Leopoldville, Belgian Congo, has increased its power to 250 watts, and now broadcasts simultaneously on 15.17 and 9.525 megs, Sundays and holidays, from 6:25 to 8 a.m. EDT.

SHORT-WAVE SHORTS: A new official list from Costa Rica lists a station TIRVM (6.035), supposedly in operation at Las Juntas. . . HNF, Baghdad, Iraq, has shifted in frequency to 9.685 megs, where it can be heard daily to 4 p.m. EDT. Announcements are in English. . . A "Bulletin for DX'ers" is broadcast on Mondays at 8:30 p.m. EDT over WIXAL (6.04) or WIXAR (11.73) of Boston, Mass. . . In preparation for its annual voyage to the Arctic, Donald Elias Clark, has requested a permit to operate a 100-watt transmitter aboard the schooner Effie M. Morrissey, on the following frequencies: 6.425, 8.655, 9.135, 12.862 and 17.31 megs. . . An ordinary telephone line, one of the thousands used every day, has finally transmitted a high-definition television picture. The feat, long considered impossible, was accomplished recently in an NBC telecast of the six-day bicycle race at Madison Square Garden over station W2XBS. This item is of tremendous significance in that it may mark the

first step toward the solution of the problem of network telecasting. . . According to an NNRC item credited to the QRC, CP12 (6.255), "Radio Fides," 250-watt transmitter at La Paz, Bolivia, operated by a Jesuit school, is now on the air and broadcasting daily from 8 to 9 a.m., from 12 noon to 1, and from 8 to 10 p.m. EDT. Reports should be sent to Observatorio San Calixto, P. O. Box 283, La Paz, Bolivia.

Activities of the French Foreign Legion may soon become part of our regular daily listening fare, for a powerful new short-wave station, to be known as "Radio Maroc III," is now under construction at Rabat, Morocco. It will operate on 8.185 and 11.94 megs. . . A new short-wave station is reported to be in operation at Aleppo, Syria, on a frequency of 12.215 megs.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHWX, Canada	4.18	LPA, Argentina	8.69
COCO, Cuba	8.88	LKX, Argentina	8.88
CSW7, Portugal	9.720	OAXA1, Peru	8.74
DJB, Germany	15.20	OLRAA, Bohemia	11.84
DJD, "	11.77	OFZ, Denmark	9.62
DJL, "	15.11	OKK, "	15.32
DJZ, "	11.80	PCJ, Holland	8.88, 15.22
LRX, Iceland		PHI, "	17.175
FOAAN, Guadeloupe	7.41	RAN, U.S.S.R.	9.60
FOAAA, Tahiti	7.1	RKJ, "	15.05
GRX, England	9.69	RXX, "	12.90
GSA, "	8.66	RV98, "	15.13
GSH, "	9.51	SPD, Poland	11.53
GSG, "	9.38	SPW, "	13.65
GSD, "	11.75	TFJ, Iceland	12.23
GSE, "	11.34	TGWA, Guatemala	15.17
GSI, "	15.14	TOWM, "	8.48
GSO, "	17.30	TOX, "	8.185
GSP, "	11.47	TIPO, Costa Rica	9.612
GSS, "	10.28	TIANRH, "	9.428
GST, "	21.04	TPAS, France	15.84
GTD, "	15.18	TPAS, "	11.88
GTF, "	15.31	TPAI, "	11.71
GTV, "	9.60	TPR3, "	17.25
GTV, "	17.81	TPBT, "	11.385
HASJ, Hungary	15.31	ULME, Australia	9.69
HATL, "	9.12	VLK, "	9.59
HDI, Switzerland	14.970	WIXAL, Boston, Mass.	
HBL, "	9.34	15.25, 11.73, 8.84	
HBO, "	11.622	WIXAR, "	
HCFJB, Ecuador	14.43		11.73, 15.12
HCFJB, "	15.40	XECC, Mexico, D.F.	7.29
HCHL, "	8.358	XEUZ, "	8.12
HHSS, Haiti	8.885	XFWW, "	8.5
HP5A, Panama	11.7	XOXX, China	17.8
HP5G, "	11.74	XOYY, "	13.9
HP5J, "	9.80	XPSA, "	7.61
HSPJ, Siam	19.02	YVSRN, Venezuela	8.64
HSPF, "	9.31	ZHW3, China	9.526
HVJ, Vatican City	15.12, 9.48, 6.02	ZIK3, Brit. Ind.	5.3
		ZIL, St. Lucia	6.295
		ZML, St. Africa	9.81
		ZRO3, Italy	9.638
		ZR3, "	11.31
		ZR4, "	15.30
		ZR5, "	3.67

Short-wave programs of American stations are shown along with the regular listings beginning on page 20. These are indicated, for example, by (ex-11.87) 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.

Daily Programs, Sat., June 10 through Fri., June 16

Programs listed here are those broadcast daily at the same time. Exceptions are indicated

8 a.m.—Transmission to Asia: W6XBE (9.53)
8:30 a.m.—News (English): W6XBE (9.53)
8:30 a.m. (ex. Sun.)—News (English): VLR
9 a.m.—English program: Radio Saigona (11.73)
9 a.m.—Overseas hour: JZK
9 a.m.—Classical music: DJL
9:15 a.m.—News (English): GSF GSG GSI
9:25 a.m.—News (English): JZK JLU3 (15.135)
10 a.m.—News (English): XGOY
10 a.m. (ex. Sun.)—News (Spanish): W2XAD (21.5)
10:30 a.m.—News (English): W6XBE (9.53)
11:30 a.m. (ex. Sun.)—News (English): W6XAL (6.06)
12 noon—News (English): GSF GSG GSI
12:30 p.m. (ex. Sun.)—Farm Program: W2XAD (15.33)
1 p.m.—International Hour: HP5G
1:17 p.m.—Arabic program: GSP
1:30 p.m.—News (English): HP5G
2 p.m.—News (English): GND GSG GRN
2:20 p.m.—News (English): ZRO5
3 p.m.—News (German): W3XAL (21.63) W3XL (17.78)
3:15 p.m.—News (French, German and Italian): GSA GRN

3:30 p.m. (ex. Sat., Sun.)—News: W1NAL (11.79) W1XAR (15.13)
4 p.m.—News (French): W3XAL (21.63) W3XL (17.78)
4 p.m. (ex. Sat., Sun.)—News (Portuguese): W2XE (17.33)
5:30 p.m. (ex. Sun.)—News (English): GND GSP GRN
6 & 9 p.m. (ex. Sun.)—News (Spanish): W3XL (17.78) W3XAL (9.67)
6:45 p.m.—Program from Portugal: CSW7
7 p.m.—News (English): DJB DJD DJZ
7 p.m.—News (English): W3NA (26.45)
7:15 p.m.—News (English): ZRO9
7:30 p.m.—News (English): HP5A
7:30 p.m.—Transmission to Latin America: W5-NB; (15.33)
7:45 p.m.—North American program: OLR4A
8 p.m.—News (Spanish): W6XBE (15.33)
8 p.m.—Program from Budapest: HAT4
8 p.m.—News (English): HP5A
8:30 p.m. (ex. Sat.)—News (English): HAT4
8:30 p.m. (ex. Sun.)—Today in Germany: DMH DJD DJZ
9 p.m.—Overseas hour: JZL
9:10 p.m.—News (English): W6XBE (15.33)
9:30 p.m.—News (Spanish): GSB
9:30 p.m.—North American transmission from France: TPBT TPA4
10 p.m.—News (English): W3XAL (9.67) W3XL (6.1)
10 p.m.—Program from Chungking, China: MGOY
11 p.m.—News (English): TPBT TPA4
11:30 p.m.—News (English): NII Z
11:30 p.m.—News (English): DJB DJD DJZ
12 mid. (ex. Wed., Fri.)—Marsala Concert: TGWA
12:45 a.m. (ex. Sat.)—Proccant from South Africa: ZRL

Saturday, June 10

For programs broadcast daily see Daily Programs (ex. 2)

8 a.m.—Country Crochet: GSF GSG GSI
11 a.m.—Mail Bag: W3XAL (21.63)
11:30 a.m.—Gerald's orchestra: GSF GSG
1:15 p.m.—Calum All Stamp Collectors: W2XAD (15.33)
1:30 p.m.—Parade of the States: W3XAL (21.63) W3XL (17.78)
2:30 p.m.—Phy. "The Dark": GSD GSG
3 p.m.—Music Hall: GSP GSG
4 p.m.—Peculiarly Pearlers: GSD GSG
4:45 & 6:30 p.m.—Alderton Searchlight Tortion: GSD GSP GBY
5:15 p.m.—Newark News Radio Club Program: W2XJ1 (25.3)
6 p.m.—News (English): HNE
7 p.m.—Tourist hour: HP5A
7:30 p.m.—Music Hall: GSB GSD
8 p.m.—Gypsy band: HAT4
8:30 p.m.—London Lee: GSB GSD
8:30 p.m.—Play: HAT4
8:45 p.m.—Faint Bunch Castellano Trio: ZRO3 ZRO4 ZRO5 IIF
9 p.m.—North American program: SBP
9 a.m.—Hour of Costa Rica: TTPG
9:15 p.m.—Talk, "Human Landmarks": ZRO3 ZRO4
9:15 p.m.—Program from Belize, British Honduras: ZIK3
9:30 p.m.—Special transmission for Oklahoma: DJB DJD DJZ
10 p.m.—Saturday Theater: LRX
10:30 p.m.—Hawaii Calls: KQH (14.92) KKH (17.52)
11 p.m.—Moonlight music: W3XL (6.1) W3XAL (9.67)
11:15 p.m.—Xanth Country Songs and Tunes: GSF GSG
12:15 a.m.—Harp recital: GSG GSD
1 a.m.—News (English): TGWA TGWB
3 a.m.—International DX'ers Alliance Program from Guatimala: TG2 (6.195)

Sunday, June 11

For programs broadcast daily see Daily Programs (ex. 2)

8:30 a.m.—Church services: VUJ2 (4.88)
9 a.m.—Program from Denmark: OZII
10 a.m.—Broadcast from Budapest: HASE
10:20 a.m.—Troise's Mandoliers: GSF GSG GSI
12:10 p.m.—Symphonie Concert: DJB
2:40 p.m.—Ireland hour: TFA
2:45 p.m.—Raul Panizza, pianist: TGWA (15.17)
3:05 p.m.—Hour of the Tante: TGWA (15.17)
3:30 p.m.—German Mail Bag: W3XAL (17.78) W3XAL (21.63)
4 p.m.—Dance program: LRX
4:30 p.m.—Military Band Concert: TGWA (15.17)
4:30 p.m.—World of Song: W1XAR (11.73) or W1XAL (6.04)
5:05 p.m.—News (English): GSB GSP
6 p.m.—Basenale's Band: GSB GSD
7:40 p.m.—Services from St. Martin-in-the-Fields, London: GSB GSD
7:45 p.m.—Dancing in the "Grosser Krans": DJB DJD DJZ
8 p.m.—League of Nations program: HBO (11.902) HBI (14.535)
8:15 p.m.—Band concert: TGWA (15.17)
8:30 p.m.—News (English): GSB GSD
8:45 p.m.—Opera, "Aida": ZRO3 ZRO4 ZRO5 IIF
9 p.m.—Edgar Cree's string orchestra: GSB GSD
9:30 p.m.—Play, "The Address of Jeanette": TPBT TPA4

10 p.m.—Short Wave Listener's Mail Bag: CHNX
11 p.m.—Symphonie Concert: TGWA (9.685)
11:25 p.m.—English talk: TPBT TPA4

Monday, June 12

For programs broadcast daily see Daily Programs (ex. 2)

11 a.m.—Play, "The Club of Queen Trades": GSF GSG GSI
11:25 a.m.—Serial, "The Cabin in the Hills": GSF GSG GSI
1:30 p.m.—English Mail Bag: W3XL (17.78) W3XAL (21.63)
2:15 p.m.—Empire Caribbean Talks: GSA GSB
2:45 p.m.—America from My Window (Italian): W3XAL (21.63) W3XL (17.78)
3:15 p.m.—Opera, "Siegfried": GSB GSG
3:45 p.m.—New York World's Fair (German): W3XAL (21.63) W3XL (17.78)
4:30 p.m.—Church in the Wilderness: W2XAD (15.33) W2XAF (9.53)
4:45 p.m.—English Mail Bag: W3XAL (21.63) W3XL (17.78)
5:15 p.m.—Round Table: W1XAL (11.79) or W1XAR (15.13)
6 p.m.—Science News: W2XJ1 (9.53)
7 p.m.—Breithan music: W2XAD (9.55)
7 p.m.—English program: Radio Martineau (9.7)
7:45 p.m.—Variety program: HBO HBI
7:45 p.m.—Truths Behind the Headlines: W1XAL (6.04) or W1XAR (11.73)
8 p.m.—Talk, "World of Natural Science": W1XAL (6.04) or W1XAR (11.73)
8 p.m.—Jazz Holiday, vocalists: HAT4
8:45 p.m.—Folk songs: ZRO3 ZRO4 ZRO5 IIF
9:15 p.m.—Mail Bag: ZRO3 ZRO4 ZRO5 IIF
9:30 p.m.—Street songs: TPBT TPA4
11 p.m.—Band concert: TGWA (9.685)
12 mid.—Marsala Inaugural: TGWA (9.685)

Tuesday, June 13

For programs broadcast daily see Daily Programs (ex. 2)

12:15 p.m.—Jazz music: GSF GSG GSI
1:30 p.m.—Broadcast from Algeria: TPZ (5.96)
1:30 p.m.—Sir Ivor Atkins, organist: GSD GSG
2 p.m.—L. S. Elementary schools program: W2XAD (15.33)
4 p.m.—Understanding Music: W1XAL (11.79) or W1XAR (15.13)
4:30 p.m.—Album Series: W2XAD (15.33) W2XAF (9.53)
5 p.m.—Listener's Post Box: W1XAL (11.79) or W1XAR (15.13)
6 p.m.—The Happy Family and the Begs: DJB DJD DJZ
7:15 p.m.—German Short Wave Station Orchestra: DJB DJD DJZ
8 p.m.—Caucasian Orchestra: HAT4
8:45 p.m.—Tuesday Symphonies: ZRO3 ZRO4 ZRO5 IIF
8:55 p.m.—Radio orchestra: HAT4
9:15 p.m.—Children's Corner: ZRO3 ZRO4 ZRO5 IIF
9:15 p.m.—Program from Bolze: ZIK3
10 p.m.—English broadcast: TIANRH
10 p.m.—Happy program: PCJ (9.59)
10:30 a.m.—Play, "The Dark": GSF GSG
11 p.m.—Orchestra concert: TGWA (9.685)
11:25 p.m.—English talk, "Life in Paris": TPBT TPA4

Wednesday, June 14

For programs broadcast daily see Daily Programs (ex. 2)

10:30 a.m.—Mail Bag: W2XAD (15.33)
11:30 a.m.—Love Marais' band: GSF GSG GSI
12:15 p.m.—"World Affairs," J. L. Brierty: GSF GSG GSI
1:30 p.m.—Negro Spirituals: GSD GSG
2 p.m.—Test program: W1XAL (15.25)
3:30 p.m.—Canterbury Festival of Music and Drama: GSD GSG
4:30 p.m.—Goodwill Program to France: W1XAL (11.79) or W1XAR (15.13)
4:30 p.m.—Church in the Wilderness: W2XAD (15.33) W2XAF (9.53)
5:30 p.m.—Camera Club of the Air: W2XJ1 (25.3)
6:30 p.m.—Anna Tassopoulos, vocalist: DJB DJD DJZ
6:45 p.m.—Portuguese Mail Bag: W2XAD (9.55)
7:15 p.m.—Opera, "Poor Jonkhan": DJB DJD DJZ
7:30 p.m.—From Screen to Radio: GSB GSD
8 p.m.—North American Hour: ZIZ
8:15 p.m.—Budapest Concert Orchestra: HAT4
8:45 p.m.—Press review: DMH DJD DJZ
8:45 p.m.—Resistant Orchestra: HAT4
9 p.m.—Vocal quartet: ZRO3 ZRO4 ZRO5 IIF
9:15 p.m.—Talk, "Football in Costume": ZRO3 ZRO4 ZRO5 IIF
9:30 p.m.—Jamaica on the Air: HH2S (5.98)
10:30 p.m.—Virtue Herbert program: DJB DJD DJZ
12 mid.—Operatic music: TGWA (9.685) TGWB
12:30 a.m.—Lights Out: W3XAL (6.06)

Thursday, June 15

For programs broadcast daily see Daily Programs (ex. 2)

10:05 a.m.—Astor Gold Cup: GSF GSG GSI
10:20 a.m.—Lucky Dip: GSF GSG GSI

(Continued on Next Page)

ON SHORT WAVES

(Continued from Previous Page)

- 12:15 p.m.—Talk, "Matters of Moment": GSF GSG GSJ
12:30 p.m.—DX news: W9XA (26.45)
2 p.m.—Farewell Dinner to King George and Queen Elizabeth: WBXK (11.87)
3 p.m.—Opera, Verdi's "Aida": GSD GSG
3:50 p.m.—Corona Club Dinner: GSD GSG
4 p.m.—Special Program from New York World's Fair: WIXAL (11.79)
5 p.m.—Splendors of Literature: WIXAL (11.79) or WIXAR (15.13)
5:30 p.m.—Science Forum: W2XAF (9.53) W2XAD (15.33)
5:45 p.m.—Departure of the King and Queen from Halifax: GSD GSP GRX
7:45 p.m.—Truths Behind the Headlines: WIXAL (6.04) or WIXAR (11.73)
8 p.m.—Hungarian songs: HAT4
8:45 p.m.—Opera Orchestra: HAT4
9 p.m.—Bickershaw Colliery Band: GSB GSD
9:15 p.m.—Just Talking About Cooking: 2R03 2R04 2R06
9:30 p.m.—Chamber music: TPB7 TPA4
10 p.m.—Press Review: DJB DJD DJZ
10:05 p.m.—English lessons: W4XB (6.04)
10:55 p.m.—BBC Empire Orchestra: GSC GSD
11 p.m.—Chamber Music: TGWA (9.685) TGWB

Friday, June 16

For programs broadcast daily see Daily Programs List, 21

- 7:15 a.m.—George Elrick's orchestra: GSF GSG GSJ
8:30 a.m.—Auto Cycle Tourist Trophy Race: GSF GSG GSJ
10 a.m.—Pageant of the Black Country, "The Anvil of England": GSF GSG GSJ
10:45 a.m.—Dorothy White, pianist: GSF GSG GSJ
4 p.m.—Selections from Familiar Fiction: WIXAL (11.79) or WIXAR (15.13)
4:30 p.m.—Between You and Me and the Mike: GSD GSG
4:30 p.m.—World Youth Speaks: WIXAL (11.79) or WIXAR (15.13)
5:15 p.m.—Future programs news: W2XAD (15.33) W2XAF (9.53)
7:15 p.m.—German dance music: DJB DJD DJZ
7:45 p.m.—Truths Behind the Headlines: WIXAL (11.79) or WIXAR (15.13)
8 p.m.—Liszt Concert: HAT4
8:30 p.m.—Elements of Aviation: WIXAL (6.04) or WIXAR (11.73)
8:30 p.m.—Jozsef Csaky, songs: HAT4
8:45 p.m.—Guest Night: 2R03 2R04 2R06 IRF
9 p.m.—Matinee Melodies: W2XAD (9.55)
10 p.m.—Concert: DJB DJD DJZ
10:45 & 11:15 p.m.—Transmissions of New York World's Fair Radio Club: Amateur stations on all amateur bands
11 p.m.—Radio Theater: TGWA (9.685) TGWB
11:15 p.m.—Time to Laugh: GSC GSD
12 mid.—English Hour: NEXA (5.175)
2 a.m.—Voice of Hawaii, native vocalists and instrumentalists: KQH (14.92) KKH (7.52)

On Short Waves: Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are EDT. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

IMPORTANT commencement broadcasts will feature this week's programs over international station W1XAL of Boston, Mass. Commencement exercises of Princeton University, including the baccalaureate address by Dr. Harold W. Dodds, president of Princeton University, and music by the University Chapel Choir will be heard on Sunday, June 18, at 11 a.m. EDT, on frequencies of 11.70 or 15.13 megs. On the same day at 8:30 p.m. EDT, the choral singing by the Princeton University Chapel Choir of fifty voices, assembled on the Princeton campus, will be broadcast on frequencies of 11.73 or 6.04 megs. . . . An entirely musical commencement, during which New England Conservatory of Music students will play concertos and soloists of the graduating class will be heard, will be broadcast on Tuesday, June 20, at 2 p.m. EDT, over W1XAL, on either 6.04 or 11.73 megs. . . . The Harvard Alumni Association Meeting, with Hugh McK. Landon, president of the association, as the speaker, will be broadcast from Cambridge, on Thursday, June 21, at 2 p.m. EDT, over the same station and on the same frequencies.

Continuing the interesting travelog series, describing features of the two Fairs, broadcast on Mondays at 5:30 p.m. EDT, over international stations W2XAD (15.33) and W2XAF (9.53) of Schenectady, New York, this week's broadcast will feature fine arts, giving the sources of the great paintings and sculpture sent to both Fairs from all over the world. New, creative work, especially mammoth sculptures and murals, at both Fairs are to be covered.

Further information concerning the experimental transmissions of the new Swiss Short-Wave Station Schwarzenburg, which have already begun, are furnished by Rudolph Kure of Cincinnati, Ohio, who states that the transmitter is testing during different hours of the day on 17.784, 11.865, 15.305 and 9.535 megs. The regular Swiss program for North America, heard Mondays from 7:45 to 9:15 p.m. EDT, is being broadcast by the new station on a frequency of 9.535 megs. Swiss authorities are very anxious to receive reports on the Schwarzenburg transmissions and all letters should be addressed to Schweizerische Rundspruch-Gesellschaft, Neuengasse 30, Berne, Switzerland.

Latest revised schedules for the Netherlands short-wave PHOH1-stations PHI and PCJ, are as follows: PHI operates on 17.77 megs, Sundays from 7:10 to 10:35 a.m.; Mondays and Thursdays, from 8:10 to 9:30 a.m., and on Tuesdays, Wednesdays, Fridays and Saturdays, from 8:10 to 9:15 a.m. EDT. PCJ operates on 15.23 megs, Sundays, Mondays and Thursdays, from 8:10 to 9:30 a.m.; Tuesdays, Wednesdays, Fridays and Saturdays, from 8:10 to 9:15 a.m.; and on Wednesdays from 10:30 a.m. to 12:30 p.m.; on 9.50 megs, Sundays from 8:15 to 9:15 and 9:25 to 10:25 p.m.; Tuesdays, from 2:45 to 4:30 and from 8 to 11:15 p.m.; Wednesdays, from 8:15 to 9:15 and from 9:25 to 9:40 p.m., and on Fridays, from 9 to 10 p.m. EDT.

Contrary to theory that television programs can be received only 40 or 50 miles from the transmitting station, General Electric engineers in Schenectady, New York, picked up the complete two-hour program telecast by NBC from the Empire State Building on Friday night. Both picture and voice were received exceptionally well, despite the fact that airline distance to the transmitter was 130 miles and

the receiver, an ordinary production model, was located approximately 8,000 feet below the "line of sight." The reception location was in the Helderberg mountains near the site of General Electric's new television station which is under construction. The temporary diamond-shaped directive antenna was suspended about 40 feet above the ground.

As an example of the practical use to which ultra-high-frequency stations can be put, Mrs. Pauline Winauer, the co-ordinator of radio activities for the Board of Education of Los Angeles, writes that this organization recently sponsored an educational program describing the very worthy aims and ideals of Metropolitan Continuation High School in Los Angeles, over CBS short-wave outlet W6XDA (38.6) of that city. The principal of the school and a group of seven senior students participated in this unusual broadcast.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

Station	Frequency	Program	Frequency	Program
CHXX, Canada	6.13	IRA, Argentina	9.25	
COCQ, Cuba	8.05	LRX, Argentina	9.66	
CSWT, Portugal	8.725	OAXAJ, Peru	9.31	
DJB, Germany	10.20	OLR4A, Schenectady	11.81	
DJD, "	11.77	OZF, Denmark	9.60	
DJL, "	10.11	OZH, "	15.31	
DJZ, "	11.80	PCI, Holland	9.60	15.22
EIRE, Ireland	11.80	PKI, "	13.775	
	12.04	RAN, U.S.S.R.	9.60	
FG8AH, Guadeloupe	7.55	RKI, "	10.08	
FD1AA, Tahiti	7.1	RNE, "	10.90	
GEX, England	9.09	R99, "	16.18	
GSA, "	8.60	SBP, Sweden	11.700	
GSR, "	9.41	SPD, Poland	11.80	
GSC, "	9.60	SPW, "	13.64	
GSD, "	11.70	TFI, Ireland	12.21	
GSE, "	11.80	TGWA, Guatemala	13.17	
GSP, "	10.14	TGW, "	9.48	
GSG, "	11.79	TOL, "	6.195	
G3K, "	11.47	TPO, Costa Rica	9.014	
G3L, "	10.50	TINRH, "	9.084	
G3M, "	11.80	TPAF, France	10.24	
G3N, "	10.10	TPAT, "	11.28	
G3O, "	10.10	TPAT, "	11.28	
G3P, "	10.10	TPAT, "	11.28	
G3Q, "	10.10	TPAT, "	11.28	
G3R, "	10.10	TPAT, "	11.28	
G3S, "	10.10	TPAT, "	11.28	
G3T, "	10.10	TPAT, "	11.28	
G3U, "	10.10	TPAT, "	11.28	
G3V, "	10.10	TPAT, "	11.28	
G3W, "	10.10	TPAT, "	11.28	
G3X, "	10.10	TPAT, "	11.28	
G3Y, "	10.10	TPAT, "	11.28	
G3Z, "	10.10	TPAT, "	11.28	
HAS, Hungary	10.37	VKML, Australia	9.00	
KAT4, "	9.12	VLR, "	9.68	
KBJ, Switzerland	14.25	W1XAL, Boston, Mass.		
KBL, "	9.04		15.25, 11.70, 9.04	
KBO, "	11.90	W1XAR, "		
KC1JB, Ecuador	14.43		11.73, 10.13	
KC2JB, "	12.40	XECB, Mexico, D.F.	7.38	
KC3JB, "	12.40	XEUZ, "	6.13	
KH5, Haiti	6.005	XEWV, "	9.4	
HP5A, Panama	13.7	XGOX, China	17.8	
HP5G, "	11.78	XGOY, "	11.8	
HP5J, "	9.60	XPSA, "	7.01	
HP5K, "	15.07	YVSRN, Venezuela	6.64	
HP5L, "	8.51	ZBWS, China	9.580	
NY2, Vatican City	16.12, 9.66, 6.00	ZIK3, Brit. India	5.2	
		ZIZ, St. Kitts	6.350	
IRF, Italy	8.82	ZRL, So. Africa	9.61	
TI03, Japan	11.705	ZRO3, Italy	9.836	
ZJZ, "	11.80	ZRO4, "	11.81	
ZJK, "	15.15	ZRO6, "	15.30	
ZJL, "	17.765	ZRO9, "	9.67	

Short-wave programs of American stations are shown along with the regular listings beginning on page 30. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

Daily Programs for June 17-23

- 8 a.m.—Transmission to Asia: W6XHE (9.53)
- 8:30 a.m.—News (English): W6XBE (9.53)
- 8:30 a.m. (ex. Sun.)—News (English): VLIH
- 9 a.m.—English program: Radio Sinton (11.78)
- 9 a.m.—Overseas hour: JZK
- 9 a.m.—Classical music: DJL
- 9:15 a.m.—News (English): GSF GSG GSD
- 9:25 a.m.—News (English): JZK JLU3 (15.135)
- 10 a.m.—Big Bear: GSF GSG GSD
- 10 a.m.—News (English): NGOY
- 10 a.m. (ex. Sun.)—News (Spanish): W2XAD (21.5)
- 10:30 a.m.—News (English): W6XBE (9.53)
- 11:30 a.m. (ex. Sun.)—News (English): W2XAL (6.06)
- 12 noon—News (English): GSF GSG GSD
- 12:30 p.m. (ex. Sun.)—Farm Program: W2XAD (15.33)
- 1 p.m.—International Hour: HP5G
- 1:17 p.m.—Arabic program: GSF
- 1:30 p.m.—News (English): HP5G
- 2 p.m.—News (English): GSD GSG GRX
- 2:20 p.m.—News (English): ZRO6
- 3 p.m.—News (German): W3XAL (21.53) W3XL (17.78)

- 3:15 p.m.—News (French, German and Italian): GSA GRX
- 3:30 p.m. (ex. Sat., Sun.)—News: W1XAL (11.79) or W1XAR (15.13)
- 4 p.m.—News (French): W3XAL (21.53) W3XL (17.78)
- 4 p.m. (ex. Sat., Sun.)—News (Portuguese): W2XAL (17.83)
- 5:30 p.m. (ex. Sun.)—News (English): GSD GSG GRX
- 6 & 9 p.m. (ex. Sun.)—News (Spanish): W3XAL (17.78) W3XAL (9.67)
- 6:45 p.m.—Program from Portugal: CSW7
- 7 p.m.—News (English): DJB DJD DJZ
- 7 p.m.—News (English): W9XA (26.45)
- 7:15 p.m.—News (English): ZRO9
- 7:30 p.m.—News (English): HP5A
- 7:30 p.m.—Transmission to Latin America: W6XHE (15.33)
- 7:45 p.m.—North American program: DER4A
- 8 p.m.—News (Spanish): W6XBE (15.33)
- 8 p.m.—Program from Budapest: HAT4
- 8 p.m.—News (English): HP5A
- 8:30 p.m. (ex. Sat.)—News (English): HAT4
- 8:30 p.m. (ex. Sun.)—Today in Germany: DJB DJD DJZ
- 9 p.m.—Overseas hour: JZL
- 9:10 p.m.—News (English): W6XBE (15.33)
- 9:30 p.m.—News (Spanish): GSB
- 9:30 p.m.—North American transmission from France: TPB11 TPA4
- 10 p.m.—News (English): W3XAL (9.67) W3XL (6.1)
- 10 p.m.—Program from Chungking, China: XGOY
- 11 p.m.—News (English): TPB11 TPA4
- 11:30 p.m.—News (English): NEUZ
- 11:30 p.m.—News (English): DJB DJD DJZ
- 12 mid. (ex. Wed., Fri.)—Marintha concert: TGWA (9.685)
- 12:45 a.m. (ex. Sat.)—Program from South Africa: ZRI

Saturday, June 17

- 8 a.m.—County Cricket: GSF GSG GSD
- 8:30 a.m.—Aston Hippodrome Orchestra: GSF GSG GSD
- 11 a.m.—Mail Bag: W3XAL (6.06)
- 12:15 p.m.—"Fiddle": GSF GSG GSD
- 1:15 p.m.—Calling All Stamp Collectors: W2XAD (15.33)
- 1:30 p.m.—Music Hall: GSD GSG
- 1:30 p.m.—Parade of the states: W3XAL (21.53) W3XL (17.78)
- 4 p.m.—Jazz Jamboree: GSD GSG
- 5:15 p.m.—Newark News: W2XAL (26.3)
- 6 p.m.—News from Moscow: RNE
- 6:15 p.m.—El Chavo's orchestra: W2XAD (9.55)
- 7 p.m.—Yacht Hour: HP5A
- 7:15 p.m.—German dance music: DJB DJD DJZ
- 7:30 p.m.—Music Hall: GSD GSG
- 8 p.m.—Bellesore Choir: HAT4
- 8:30 p.m.—Abba Land: W2XAD (9.55)
- 8:30 p.m.—London Log: GSB GSD
- 8:40 p.m.—P6 Previs Gypsy Band: HAT4
- 8:45 p.m.—Chamber Music: ZRO3 ZRO4 ZRO6 IRF
- 9 p.m.—North American program from Sweden: SBL
- 9 p.m.—The Hour of Costa Rica: TIPC
- 9:15 p.m.—"Metastasio and the baroque opera": ZRO3 ZRO4 ZRO6 IRF
- 9:15 p.m.—Botanical Musical Question Box (Spanish): W3XAL (9.67) W3XL (17.78)
- 9:15 p.m.—Program from Belize, British Honduras: ZIK3
- 10 p.m.—Talk, "The German Nautical Institute in Mundeberg": DJB DJD DJZ
- 10 p.m.—Saturday Theater: LHN
- 10 p.m.—English broadcast from Costa Rica: TINRH
- 10:30 p.m.—Hawaii Calls: KQH (14.92) KKH (7.52)
- 11 p.m.—Moonlight music: W3XAL (6.1) W3XL (9.67)
- 11 p.m.—Orchestral concert for United States: TGWA (9.685)
- 11:20 p.m.—Talk in English: TPB7 TPA4
- 11:30 p.m.—Between You and Me and the Mike: GSF GSD
- 1 a.m.—News from Guatemala: TGWA (9.685) TGWB
- 2 a.m.—DX Concert from Guatemala, dedicated to the Newark News Radio Club: TGWA (9.685) TGWB
- 3 a.m.—International DX'ers Alliance Program from Guatemala: TG2 (6.195)

Sunday, June 18

- 8:30 a.m.—Church services: VUC2 (4.88)
- 9 a.m.—Program from Denmark: OZH
- 10 a.m.—Broadcast from Budapest: HASS
- 11 a.m.—Baccalaureate Service, Princeton University, Address by Pres. of University, Music by University Chapel Choir: W1XAL (11.79) or W1XAR (15.13)
- 12 noon—Weekly survey in English: ZRO5
- 12:10 p.m.—Symphonic concert: DJB
- 2:40 p.m.—Ireland Hour: TFI
- 2:45 p.m.—Eud Panagia, pianist: TGWA (15.17)
- 3:05 p.m.—Hour of the Tango: TGWA (15.17)
- 3:30 p.m.—German Mail Bag: W3XAL (21.53) W3XL (17.78)
- 4:05 p.m.—Sea Shanties and Sea Songs: GSD GSG
- 4:30 p.m.—International Polo Championships: W2XAL (17.83)

- 4:30 p.m.—French Mail Bag: W3XAL (17.78) W3XL (21.53)
- 4:30 p.m.—Military Band Concert: TGWA (15.17)
- 5:05 p.m.—News from London: GSB GSD
- 6 p.m.—Football highlights: TGWA (15.17)
- 8 p.m.—League of Nations program: HBI (14.53) HBI (11.02)
- 8:15 p.m.—Band concert: TGWA (15.17)
- 8:30 p.m.—Press Review: DJB DJD DJZ
- 8:30 p.m.—News from London: W3XAL (17.78)
- 8:30 p.m.—Choral Singing by Princeton University Chapel Choir: W1XAL (16.04) or W1XAR (11.73)
- 8:45 p.m.—Opera, "Manon Lescaut": ZRO3 ZRO4 ZRO6 IRF
- 9:25 p.m.—Netherlands program: PCJ (9.59)
- 9:45 p.m.—Tremaine Island Brazilian Orchestra: W6XBE (15.33)
- 10 p.m.—Short Wave Listener's Mail Bag: CHXX
- 10:15 p.m.—Sunday concert: DJB DJD DJZ
- 11:15 p.m.—Bomol Brato: GSB GSD
- 11:25 p.m.—English talk: TPB11 TPA4

Monday, June 19

- 11:25 a.m.—Marie de Pietri with star musicians: GSF GSG GSD
- 1:30 p.m.—London Mail Bag: W3XAL (17.78) W3XL (21.53)
- 2:45 p.m.—"America from My Window" (Italian): W3XAL (21.53) W3XL (17.78)
- 3 p.m.—Play, "The Common Good": GSB GSG
- 3:30 p.m.—Friendship program to Brazil: W2XAL (17.83)
- 3:40 p.m.—Musical play, "Times of the Town": GSD GSG
- 4:45 p.m.—French Mail Bag: W3XAL (21.53) W3XL (17.78)
- 5:30 p.m.—Travelogue, "The Arts at the Fairs": W2XAF (9.53) or W2XAL (15.33)
- 6 p.m.—Science News: W2XAF (9.53)
- 7 p.m.—English program, "Dallo Meeting" (9.7)
- 7:25 p.m.—The New British Army: GSB GSD
- 7:45 p.m.—Variety program: HBI HBI
- 7:45 p.m.—"Truth Behind the Headlines": W1XAL (6.04) or W1XAR (11.73)
- 7:55 p.m.—Jazz Orchestra: GSB GSD
- 8 p.m.—Bulletin for DX'ers: W1XAL (6.04) or W1XAR (11.73)
- 8 p.m.—Jazz orchestra: HAT4
- 8:15 p.m.—Mail Bag: W2XAF (9.53)
- 8:45 p.m.—Folk songs: ZRO3 ZRO4 ZRO6 IRF
- 9:15 p.m.—Mail Bag: ZRO3 ZRO4 ZRO6 IRF
- 10:50 p.m.—Drama, "The Western Land": GSD GSD
- 12 mid.—Marintha Ensemble: TGWA (9.685)

Tuesday, June 20

- 11 a.m.—The International Horse Show: The King George V Cup: GSF GSG GSD
- 1:30 p.m.—Broadcast from Alaska: TPZ (8.96)
- 2 p.m.—New England Conservatory of Music Commencement Program: W1XAL (6.04) or W1XAR (11.73)
- 2:30 p.m.—Drama, "Daniel Defoe": GSD GSG
- 4 p.m.—Rhythm Classics: GSD GSG
- 4:30 p.m.—Present Day Problems of Peace: W1XAL (11.79) or W1XAR (15.13)
- 4:30 p.m.—Cabinet Series: W2XAD (15.33) W2XAF (9.53)
- 5 p.m.—Listener's Post Box: W1XAL (11.79) or W1XAR (15.13)
- 8 p.m.—Polcestra's orchestra: HAT4
- 8 p.m.—John Martin, organist: GSB GSD
- 8:45 p.m.—Tuesday symphonies: ZRO3 ZRO4 ZRO6 IRF
- 9:15 p.m.—Empire Notes: ZRO3 ZRO4 ZRO6 IRF
- 9:15 p.m.—Program from Ecuador: HC2RL (6.356)
- 9:15 p.m.—Program from Belize: ZIK3
- 9:30 p.m.—Bomol and Juliet: TPB11 TPA4
- 9:45 p.m.—Happy program: INJ (9.59)
- 10 p.m.—English broadcast: TINRH
- 11 p.m.—Orchestral concert: TGWA (9.685)

Wednesday, June 21

- 10:30 a.m.—Mail Bag: W2XAD (21.5)
- 11 a.m.—International Horse Show: GSF GSG GSD
- 12:15 p.m.—World Affairs: GSF GSG GSD
- 1:45 p.m.—The Ghandourne Festival: Opera, "Don Giovanni": GSD GSG
- 2 p.m.—Test program: W1XAL (15.25)
- 3:30 p.m.—Billy Mayerl, pianist: GSD GSG
- 4 p.m.—Stop Dancing: GSD GSG
- 4:30 p.m.—Church in the Wilderness: W2XAD (15.33) W2XAF (9.53)
- 5:30 p.m.—Camera Club of the Air: W2XAL (25.3)
- 6:45 p.m.—Portuguese Mail Bag: W2XAD (9.55)
- 7:25 p.m.—Play, "The Last Station": GSB GSD
- 8 p.m.—North American Hour: ZIF
- 8:15 p.m.—Budapest Concert Orchestra: HAT4
- 8:30 p.m.—World Affairs: GSB GSD
- 8:45 p.m.—Press Review: DJB DJD DJZ
- 8:45 p.m.—Arioso Italy with Music: ZRO3 ZRO4 ZRO6 IRF
- 9 p.m.—Vocal quartet: ZRO3 ZRO4 ZRO6 IRF
- 9:25 p.m.—Happy program: PCJ (9.59)
- 9:30 p.m.—Jamaica on the Air: III2S (5.98)
- 11:15 p.m.—Lucy Dip: GSB GSD
- 12 mid.—Operatic music: TGWA (9.685) TGWB
- 12:15 a.m.—World Affairs: GSF GSD
- 12:30 a.m.—Lights Out: W3XAL (6.06)

(Continued on Next Page)

ON SHORT WAVES

(Continued from Previous Page)

Thursday, June 22

- 10:15 a.m.—Lucky Dip: GSF GSG GSI
11:40 a.m.—Gerardo's orchestra: GSF GSG GSI
12:30 p.m.—DX news: W9XA (26.45)
2 p.m.—Harvard Alumni Association Meeting:
W1XAL (6.04) or W1XAR (11.73)
2:15 p.m.—Bound Britain: GSD GSG
4 p.m.—Play, "A Curtain Raiser": GSD GSG
5 p.m.—Splendors of Literature: W1XAL (11.79)
or W1XAR (15.13)
5:30 p.m.—Science Forum: W2XAF (9.53) W2-
XAD (15.33)
7:15 p.m.—Choir Concert: DJB DJD DJZ
7:30 p.m.—Edwin Franko Goldstein's Band: W5-
XBE (15.33)
7:30 p.m.—Play, "A Curtain Raiser": GSH GSD
8 p.m.—1st Infantry Regiment Orchestra: HAT4
8:30 p.m.—Cards on the Table: GSB GSD
8:40 p.m.—Jozsef Neuwelt Gypsy Band: HAT4
8:45 p.m.—Opera selections: 2R03 2R04 2R06
HF
9:15 p.m.—The Italian Center for American Stud-
ies: 2R03 2R04 2R06 HF
10 p.m.—English broadcast from Costa Rica:
TI4NHJ
10 p.m.—Press Review: DJB DJD DJZ
10:05 p.m.—English lessons: W4XB (6.04)
10:25 p.m.—BBC Empire Orchestra: GSC GSD
11 p.m.—Chamber music: TGWA (9.685) TGWB

Friday, June 23

- 10:45 a.m.—BBC Malford Orchestra: GSF GSG
GSI
2 p.m.—Harvard Chapter of Phi Beta Kappa
Annual Meeting: W1XAL (6.04) or W1XAR
(11.73)
3 p.m.—I Want to be an Actor: GSD GSG
3:15 p.m.—Time to Laugh: GSD GSG
4 p.m.—Theater Royal, Bristol: GSD GSG
4:40 p.m.—Parade of song hits: GSD GSG
5:15 p.m.—News of future programs: W2XAD
(15.33) W2XAF (9.53)
8:15 p.m.—Listener's Mail Bag: W1XAL (6.04)
or W1XAR (11.73)
8:30 p.m.—Hungarian folk songs: HAT4
8:40 p.m.—Band music: HAT4
8:45 p.m.—Guest Night: 2R03 2R04 2R06 HF
9:15 p.m.—"Home's Midnight Voice": Amy Ber-
nardy: 2R03 2R04 2R06 HF
9:30 p.m.—Talk, "German Defense": DJB DJD
DJZ
10 p.m.—Talk, "The American Spirit of Transi-
tion": DJB DJD DJZ
10:45 & 11:15 p.m.—Transmissions of New York
World's Fair Radio Club: Amateurs on all
available bands
10:50 p.m.—Vive le sport: GSC GSD
11 p.m.—Radio Theater, "The Idiot": TGWA
(9.685) TGWB
11:25 p.m.—English talk, "Life in Paris": TPB11
TPA4
12 mid.—Tahiti on the Air: F08AA (7.1)
2 a.m.—The Voice of Hawaii: KQII (14.92) KKII
(7.52)

On Short Waves: Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are EDT. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

A TRANSMISSION from the tiny territory of French India, of especial interest to DX listeners, will be broadcast over amateur station FNIC (14.084) on Thursday, June 29, at 10 a.m. EDT. Reception reports should be sent to D. W. H. Patterson, Gondalpara, Chandernagore, Bengal, French India. This station's unusual QSL cards picture the head of a royal bengal tiger in gold against a circle of dark blue.

Charles Harless of Washington, D. C., writes that broadcasts for North America may still be heard from Prague (Bohemia) nightly from 7:55 to 9:30 p.m. EDT, over either OLR4A (11.84) or OLR5A (15.23). The programs come to a close with the playing of the Czechs' national anthem, "Kde Domov Můj" (Where is My Home).

Authentic reports reaching me from Europe claim that the finest radio engineers of Germany have just completed one of the most powerful short-wave installations in the world at Hitler's Wachenfeld retreat at Berchtesgarden. Tests from this station, it is reported, have been heard in Australia and western America. Speeches of the heads of other nations are tuned in on the chancellor's powerful receiving sets and recorded for future reference. Even telephone conversations between Hitler and other parties are recorded. Nothing passes through the ether or the cables that could remain unknown to the master of the Third Reich, according to my informant.

Since February, Lithuania's 500-watt government short-wave station LYR (9.29) has been testing daily from 1 to 2 a.m. and from 1 to 3 p.m. EDT. A powerful new short-wave station, with beams directed to North and South America, is being planned to replace this present small transmitter at Kaunas.

Dennis E. Gallo, owner of short-wave station YNDG of Leon, Nicaragua, notifies me that a special program for listeners in the United States is now being broadcast Saturday nights at 11 p.m. EDT on a frequency of 13.9 megacycles. This transmitter is on the air week nights from 9:30 to 10:30 p.m. EDT, on its newly assigned frequency of 7.66 megacycles. All correct reports sent to YNDG will be verified providing these are accompanied by a dime, since international reply coupons are not valid in Nicaragua.

Gall Beyer of Chicago, Ill., tells me that the Chinese station on approximately 11.4 megacycles is XRVG, Chungking, China, according to a letter of verification he has received from Mr. Tsung of the China Information Committee. XGOX (17.8) of Chungking broadcasts an English program nightly from 10:50 to 11:15 p.m. EDT.

SHORT-WAVE SHORTS: 2R08 (17.82) has replaced 2R06 (15.3) in the usual nightly 8:30 to 10 p.m. EDT "American Hour from Rome." August Balbi of Los Angeles, Calif., reports that EIRE (17.84) of Athlone, Ireland, is now being heard irregularly from 12:30 to 6 p.m. EDT; that TPB11 (11.885), Paris, France, has increased its transmitter power and is being heard with greatly increased strength; that COCO, Havana, Cuba, has shifted in frequency to 8.7 megacycles; that HS8PJ (8.51), Bangkok, Siam, is being heard Saturdays from 9 to 11 a.m. EDT, and on Fridays at the same hour irregularly, and that XMHA (11.88), Shanghai, power 500 watts, is broadcasting week days from 12 mid. to 2 and from 6 a.m. to 12 noon, and on Sundays from 11 p.m. to 12 noon EDT, Mondays.

XMHA often relays San Francisco General Electric station W6XBE near 10 a.m. EDT. . . TGWA (9.685) of Guatemala City, Guatemala, rebroadcasts the BBC Reuter's news service, Sundays at 9:30 p.m. EDT. . . The director of short-wave station TG2 (6.19) of Guatemala City, Guatemala, notifies me that new attractive QSL cards in Spatari, the new universal short-wave language, have just been completed and are available for those sending in reception reports. . . ZP14 (11.72), Villarica, Paraguay, operates Mondays through Fridays from 6 to 9 p.m. and on Saturdays and Sundays from 12 noon to 7 p.m. EDT. . . John M. Sherman, technical director of broadcast station WTCN of Minneapolis, Minn., advises me that its ultra-high-frequency relay station W9XTC has been temporarily withdrawn from service. . . Australia's new national short-wave station which is under construction in northwest Australia will bear the call letters VLR6.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

Call	Country	Freq.	Time	Call	Country	Freq.	Time
CHXX	Canada	6.13	LXX	Argentina	9.08		
COCG	Cuba	8.85	OAX4J	Peru	9.34		
C8W1	Portugal	8.738	OLR4A	Bohemia	11.84		
DJB	Germany	15.28	QZF	Denmark	9.62		
DJD	"	11.77	QZM	"	15.32		
DJZ	"	15.11	PCZ	Holland	9.68		
DJZ	"	11.89	PIZ	"	17.75		
EIRE	Ireland	17.84	RAN	U.S.S.R.	9.60		
FO8AN	Quadrangle	7.44	RNE	"	15.94		
FO8AA	Tahiti	7.1	RW9	"	15.18		
GRX	England	9.99	SFP	Sweden	11.705		
GRY	"	9.80	SPD	Poland	11.63		
OSA	"	8.05	SPW	"	13.04		
GRB	"	9.51	TFJ	Iceland	12.23		
OSC	"	9.58	TOWA	Guatemala	15.17		
OSD	"	11.73	TGWB	"	9.65		
OSF	"	11.96	TGR	"	8.195		
OSG	"	15.18	TIFO	Costa Rica	9.612		
OSI	"	17.73	TIANRH	"	9.608		
OSJ	"	21.47	TPA2	France	15.24		
OSK	"	18.26	TPA3	"	11.08		
OSL	"	21.55	TPA4	"	11.71		
OSM	"	15.13	TPB11	"	17.85		
OSP	"	15.31	TPB11	"	11.465		
OSV	"	17.81	VK3ME	Australia	9.60		
HASB	Hungary	15.37	VLR	"	9.60		
HAT4	"	9.12	W1XAL	Boston, Mass.			
HAT5	Switzerland	16.85	W1XAL	Boston, Mass.	15.23, 11.78, 9.64		
HBO	"	11.402	W1XAR	Boston, Mass.	11.78, 15.13		
HC1JB	Ecuador	14.43	XEGR	Mexico, D.F.	7.58		
HC2JR	"	14.48	XEUZ	"	6.12		
HC3RL	"	6.368	XEWV	"	9.5		
HC4S	Haiti	6.603	XGOX	China	17.8		
HP5A	Panama	11.7	XGOY	"	13.0		
HP5G	"	11.78	XPSA	"	7.81		
HP5J	"	8.80	YV3RN	Venezuela	5.94		
HS8PJ	Siam	13.02	ZBW3	China	9.585		
HS8PZ	"	9.51	ZIKS	Brit. Mond.	5.3		
HVJ	Vietnam City	13.12, 9.06, 6.00	ZLZ	St. Kitts	6.380		
IRF	Italy	9.80	ZR03	Italy	9.635		
JL6G	Japan	11.705	ZR04	"	11.81		
JZJ	"	11.89	ZR06	"	15.30		
JZK	"	15.18	ZR08	"	17.82		
JZL	"	17.85	ZR09	"	9.67		
LRA	Argentina	9.68					

Short-wave programs of American stations are shown along with the regular listings beginning on page 26. 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.

Daily Programs, Sat., June 24 through Fri., June 30

Programs listed here are those broadcast daily at the same time. Exceptions are indicated.

8 a.m.—Transmission to Asia: W6XBE (9.53)
 8:30 a.m.—News (English): W6XBE (9.53)
 8:30 a.m. (ex. Sun.)—News (English): VLR
 9 a.m.—News (English): PH PCJ (15.22)
 9 a.m.—Overseas hour: JZK
 9:15 a.m.—News (English): GSF GSG GSD
 9:25 a.m.—News (English): JZK JZJ JL3 (15.135)
 10 a.m.—News (English): XGOY
 10 a.m. (ex. Sun.)—News (Spanish): W2XAD (21.5)
 10:30 a.m.—News (English): W6XBE (9.53)
 11:30 a.m. (ex. Sun.)—News (English): W1XAL (6.06)
 12 noon—News (English): GSF GSG GSD
 12:30 p.m. (ex. Sun.)—Farm program: W2XAD (15.33)
 1 p.m.—International hour: HP5G
 1:17 p.m.—Arabic program: GSP
 1:30 p.m.—News (English): HP5G
 2 p.m.—News (English): GSD GSG GRX GSI
 2:20 p.m.—News (English): ZR06
 3 p.m.—News (German): W3XAL (21.63) W3XL (17.75)

3:15 p.m.—News (French, German and Italian): GSA GRX
 3:30 p.m. (ex. Sat., Sun.)—News: W1XAL (11.79) or W1XAR (15.13)
 4 p.m.—News (French): W3XAL (21.63) W3XL (17.75)
 4 p.m. (ex. Sat., Sun.)—News (Portuguese): W2NE (17.83)
 5:30 p.m. (ex. Sun.)—News (English): GSD GSP GRX
 6 & 9 p.m. (ex. Sun.)—News (Spanish): W3XL (17.78) W3XAL (9.57)
 6:45 p.m.—Program from Portugal: CSW7
 7 a.m.—News (English): DJB DJD DJZ
 7 a.m.—News (English): W9NA (25.45)
 7:15 p.m.—News (English): ZR09
 7:30 a.m.—News (English): HP5A
 7:30 p.m.—Transmission to Latin America: W6XBE (15.33)
 7:55 p.m.—North American program: OLR5A or OLR5A (15.23)
 8 p.m.—News (Spanish): W6XBE (15.33)
 8 p.m.—News (Portuguese): W3XAL (9.57) W3XL (17.78)
 8:30 p.m. (ex. Sat.)—News (English): HAT4
 8:45 p.m. (ex. Sun.)—News (English): GSD GSD
 9 p.m.—Program from Nassau, Bahamas: ZN2 (6.09)
 9:10 p.m.—News (English): W6XBE (15.33)
 9:30 p.m.—News (Spanish): GSB
 9:30 p.m.—North American program: TPB11 TP44
 10 p.m.—News (English): W3XAL (9.67) W3XL (6.1)
 10:30 p.m.—North American program: GSF
 11 p.m. (ex. Mon.)—Friendship Hour: HC1JB HC2JB
 11:30 p.m.—News (English): NEVY
 11:30 p.m.—News (English): DJB DJD DJZ
 12:45 a.m. (ex. Sat.)—Program from South Africa: ZRL

Saturday, June 24

For programs broadcast daily see Daily Programs (cont. 2)

8 a.m.—Country Clock: GSF GSG GSD
 11 a.m.—Mad Bar: W3XAL (6.06)
 1:30 p.m.—Parade of the States: W3XAL (21.63) W3XL (17.78)
 3 p.m.—Music Hall: GSD GSG
 5:15 p.m.—Newark News Radio Club Program: W2XJ1 (25.3)
 6 p.m.—News (English): RNE
 7 p.m.—Tourist Hour: HP5A
 7:15 p.m.—Club of Nations: DJB DJD DJZ
 7:30 p.m.—Moose Hall: GSB GSD
 8:30 p.m.—Alpha Hour: W2XAD (9.55)
 8:45 a.m.—Chamber music: ZR03 ZR04 ZR06 IRF
 9 a.m.—North American program: HP4
 9:15 a.m.—Alice Andromeda: ZR03 ZR04 ZR06 IRF
 9:30 p.m.—Theater of the Fair in the 18th Century: TPB11 TP44
 10 p.m.—English broadcast from Costa Rica: TIANRH
 11 p.m.—Moonlight music: W3XL (6.1) W3XAL (9.67)
 11 p.m.—DX broadcast from Nicaragua: YNDG (13.9)
 11 p.m.—Orchestral Concert for the United States: TGWA (9.685)
 12 mid.—Mazurka dance music: TGWA TGWB
 1 a.m.—News (English): TGWA (9.685) TGWB
 3 a.m.—International DX'ers Alliance Program from Guatemala: TG2 (6.195)

Sunday, June 25

For programs broadcast daily see Daily Programs (cont. 2)

8 a.m.—Harold Sandler's sextet: GSF GSG GSD
 8:30 a.m.—Church Services: VUCZ (6.89)
 9 a.m.—Program from Denmark: OR1
 10 a.m.—Broadcast from Budapest: HA3
 11 a.m.—Ten Jewkies' orchestra: GSF GSG GSD
 12:10 p.m.—Symphonic Concert for North America: DJB
 2:40 p.m.—Ireland Hour: TFJ
 3:05 p.m.—Hour of the Tango: TGWA (15.17)
 3:45 p.m.—Victorian state Ball Program: GSD GSG
 4 p.m.—Radio El Mundo: LIX
 4:30 p.m.—Authors of Today: W1XAL (6.04) or W1XAR (11.73)
 5:05 p.m.—News (English): GSD GSG
 6 p.m.—Football broadcast: TGWA (15.17)
 8 p.m.—Concert Orchestra: HAT4
 8:45 p.m.—Hungarian songs: HAT4
 8:45 p.m.—Opera, "Otello": ZR03 ZR04 ZR06 IRF
 9:25 p.m.—Netherlands program: PCJ (9.59)
 10 p.m.—Short Wave Listeners' Mail Bag: CHIX
 11 p.m.—Symphonic Concert: TGWA (9.685)
 11:05 p.m.—BBC Military Band: GSC GSD
 12:15 a.m.—Mazurka dance music: TGWA (9.685)

Monday, June 26

For programs broadcast daily see Daily Programs (cont. 2)

6:30 a.m.—First Cricket Test Match: England vs. The West Indies: GSD
 11:25 a.m.—Serial, "The Cabin in the Hills": GSF GSG GSD
 2:45 p.m.—America from My Window (Italian): W3XAL (21.63) W3XL (17.78)
 4:30 p.m.—Church in the Wilderness: W2XAD (15.33) W2XAF (9.53)

3:30 p.m.—Travelog: W1XAP (9.53) or W2XAD (15.33)
 6 p.m.—Science News: W2XAF (9.53)
 7 a.m.—English programs: Radio Martinique (9.7)
 7:45 p.m.—Luzon programs: HRO H82 Schwarzburg (9.535)
 8 p.m.—Golden Band: W6XBE (15.33)
 8 p.m.—Bulletin for DX'ers: W1XAL (6.04) or W1XAR (11.73)
 8:15 p.m.—Lullaby Lullabies: W1XAL (6.04) or W1XAR (11.73)
 8:30 p.m.—Centenary of the Barbados House of Assembly: GSB GSD
 9 a.m.—Television Receivers: W1XAL (6.04) or W1XAR (11.73)
 10:15 p.m.—News of trip: DJB DJD DJZ

Tuesday, June 27

For programs broadcast daily see Daily Programs (cont. 2)

6:30 a.m.—First Cricket Test Match: England vs. The West Indies: GSD
 10 a.m.—Test program: W1XAL (21.46)
 1:30 p.m.—Broadcast from Algiers: TPZ (8.96)
 2:30 p.m.—Little Variety Show: W2XAD (15.33)
 4:15 p.m.—Army Band: W3XAL (21.63) W3XL (17.78)
 5 p.m.—Listeners' Post Box: W1XAL (11.79) or W1XAR (15.13)
 5:45 p.m.—Human Interest Edouards: W2XJ1 (25.3)
 7:15 p.m.—Opera, "The Marriage of Figaro," Mozart: DJB DJD DJZ
 7:25 p.m.—Welsh songs: GSD GSG
 8 p.m.—Johannes's Orchestra: HAT4
 8:45 p.m.—Tuesko symphonies: ZR03 ZR04 ZR06 IRF
 9:15 p.m.—Program from Ecuador: HC2HL (6.356)
 9:30 p.m.—String Chamber Music Community: DJB DJD DJZ
 9:45 p.m.—Happy Program from Netherlands: PCJ (9.59)
 10 p.m.—English broadcast: TIANRH
 11 p.m.—Orchestral Concert: TGWA (9.685)
 12 mid.—Mazurka Ensemble: TGWA (9.685) TGWB

Wednesday, June 28

For programs broadcast daily see Daily Programs (cont. 2)

11:30 a.m.—Jazz Maran's Bushveld Band: GSF GSG GSD
 2:30 p.m.—Marine Band: W2XAD (15.33)
 4 p.m.—Merit Music Makers: GSD GSG
 4:30 p.m.—Church in the Wilderness: W2XAD (15.33) W2XAF (9.53)
 5:30 p.m.—Camera Club of the Air: W2XJ1 (25.3)
 6:45 p.m.—Portuguese Mail Bag: W2XAD (9.55)
 7:45 a.m.—Yantehayo Quartet: DJB DJD DJZ
 8 p.m.—Television Show: W2XDS (Sight 45.25; Sound 49.75)
 8 p.m.—Feliczkowski's Fifth Symphony: W1XAL (6.04) or W1XAR (11.73)
 8:10 p.m.—Medley of historical songs: HAT4
 8:45 p.m.—Press Review: DJB DJD DJZ
 9 a.m.—Chats About Poetry: W1XAL (6.04)
 9:25 p.m.—Happy Program: PCJ (9.59)
 10 p.m.—International Agricultural Congress in Dresden: DJB DJD DJZ
 11:20 p.m.—Message in English from Paris: TPB11 TP44

Thursday, June 29

For programs broadcast daily see Daily Programs (cont. 2)

10 a.m.—Special DX Transmission from French India: FNIC (14.084)
 11 a.m.—Melody Matinee: W3XAL (21.63) W3XL (17.78)
 3:15 p.m.—Comedy, "Square Pegs": GSD GSG
 4 p.m.—BBC Men's Chorus: GSD GSG
 5:30 p.m.—Modern American Musicians: W1XAL (11.79) or W1XAR (15.13)
 5:30 p.m.—Science Focus: W2XAF (9.53) W2XAD (15.33)
 7:55 p.m.—Eddie Carroll's orchestra: GSB GSD
 8:30 p.m.—"Cards on the Table": GSB GSD
 8:45 p.m.—Opera selections: ZR03 ZR04 ZR06 IRF
 10 p.m.—English broadcast: TIANRH
 10:25 p.m.—BBC Empire Orchestra: GSG GSD
 11 p.m.—Chamber music: TGWA (9.685) TGWB

Friday, June 30

For programs broadcast daily see Daily Programs (cont. 2)

9 a.m.—Jazz, "Your Program from Daventry": GSF GSG GSD
 4:30 p.m.—Church in the Wilderness: W2XAF (9.53) W2XAD (15.33)
 7:45 p.m.—Truths Behind the Headlines: W1XAL (6.04) or W1XAR (11.73)
 8 p.m.—Arias from Hungarian Opera: HAT4
 8 p.m.—International DX'ers Alliance Good-Will Program from Peru: OAX4J (9.34)
 8:30 p.m.—Carnegie Melba, songs: YV3RN
 8:45 p.m.—Guest Night: ZR03 ZR04 ZR06 IRF
 9 p.m.—Marine Melodies: W2XAD (9.55)
 9:30 p.m.—Recital by Sarah Leander: DJB DJD DJZ
 11 p.m.—Radio Theater: TGWA (9.685) TGWB
 11:25 p.m.—English talk, "Life in Paris": TPB11 TP44
 2 a.m.—Voice of Hawaii, native soloists and instrumentalists: KQH (14.92) KNJ (7.52)

On Short Waves: Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are Eastern Daylight Time. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

ON MARCH 14, 1938, the British Broadcasting Corporation inaugurated a service of news bulletins in Spanish and Portuguese for the benefit of listeners in Latin America. The interest in these Latin periods was very great, but repeated requests for "more Spanish and more Portuguese" could not be denied, so two more new transmitters were added to the large number already in use at Daventry and an all-Latin transmission to be inaugurated on Monday, July 3, will be broadcast daily thereafter from 7:25 to 10:15 p.m. EDT, over Daventry stations GSO (15.18) and GSC (9.58). The former will serve districts south of the Amazon River, the latter will serve districts north of the Amazon. News in Spanish will be given daily at 7:30 and 10 p.m., while the news in Portuguese will be given at 8 p.m. EDT. Simultaneously with the opening of the special Latin program, slight changes in the timings for transmissions five and six have been made. The former will now be heard daily from 7:20 to 10:15 p.m. over GSB (9.51), GSD (11.75) and GSF (15.14), while the latter will be broadcast from 10:40 p.m. to 12:30 a.m. EDT, over GSB (9.51), GSC (9.58), GSD (11.75) and GSI (15.26).

The popular "Jamaica on the Air" program, which has been heard over HH2S (5.98) of Port-au-Prince, Haiti, Wednesdays at 9:30 p.m. EDT, has folded up for the summer.

Outstanding sporting events which will be described in eye-witness accounts over the Daventry stations this week include: The Oxford vs. Cambridge cricket matches, to be broadcast on Saturday, July 1; Monday, July 3, and Tuesday, July 4, each day at 8:15 a.m. EDT; the all-England Lawn Tennis Championships, from the famous center court at Wimbledon, to be broadcast on Saturday, July 1, at 12:15 p.m. and on Friday, July 7, at 12:30 p.m.; the feature polo match, in which a team picked by the native princes of India, plays an opposing team made up of the world's finest players, to be broadcast from Hurlingham, on Monday, July 3, at 10:45 a.m. EDT, and the British Open Golf Championship matches, to be broadcast from the Royal and Ancient Club at St. Andrews, on Friday, July 7, at 8:30 a.m. EDT, all the above features to be heard over GSF, GSG and GSJ.

Martin J. Olthoff of Independence, Kansas, reports the mystery station on 15.41 megs, which broadcasts nightly from 9:55 to 11:15 p.m. EDT, is "Radio Bucharest," a new 50,000-watt short-wave station at Bucharest, Roumania. A woman does most of the announcing.

SHORT-WAVE SHORTS: John Larson of Geneva, N. Y., reports that COCO of Havana, Cuba, has increased power to 5,000 watts and has shifted to a new frequency of 8.695 megs; that HI1J of San Pedro, D. R., is now on a frequency of 5.92 megs; that COJK, Camaguey, Cuba, has shifted in frequency to 8.65 megs, and is only being heard from 9 to 9:30 p.m. EDT, and that YV4RD (6.3), is the only Venezuelan still broadcasting on its old 40-meter band frequency, all of the others having moved to their new channels in the 62-meter band. . . . A construction permit for a new coastal harbor radiotelephone station on Mackinac Island, to use frequencies of 2.738 and 2.55 megs, has been granted. . . . According to the DIEA, the power of "Radio Guadeloupe" (7.44), at Pointe-a-Pitre, Guadeloupe, is to be raised to 1,000 watts, at which time a new broadcasting schedule, evenings from 10:30 p.m. to midnight EDT, will be adopted.

As soon as the new set-up is put into effect, announcements in English will be made on each period.

The Rattlesnake Placer Mine, near Downieville, Calif., has been granted a permit to operate two 20-watt short-wave transmitters, using the calls of KQDK and KQDL, on a frequency of 2.726 megs. . . . Broadcasts from XPSA (7.01) at Kueiyang, China, heard daily from 6:30 a.m. to noon EDT, open with the Chinese National Anthem and close with the "Song in Memory of Dr. Sun Yat-sen."

NBC's television programs broadcast over W2XBS (sight 45.25; sound 49.75) are so popular that it has been decided to more than double the number of program hours offered to home viewers in the New York City area. Hereafter studio presentations will be seen on Tuesdays, Thursdays and Fridays, from 8:30 to 9:30 p.m. EDT, while outdoor telecasts relayed by the NBC mobile television station will likewise be stepped up to three hours weekly, including periods on Thursday, Friday and Saturday afternoons. . . . Very fine definition television images continue to be received in a little shack atop Pinnacle Point, a 1,600-foot elevation in the Heiderberg Hills near Schenectady, N. Y., which is 130 miles from the New York station. . . . On June 15, the General Electric Company put a complete line of television receivers on sale. Most of these are of the direct-view type, so arranged that the image can be viewed directly on the front of the cabinet rather than using a mirror to reflect the picture. The largest set uses a total of thirty tubes, with the picture image seven and one-half by ten inches.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHNX, Canada	8.13	OLRA, Bohemia	18.80
COCO, Cuba	8.65	OZF, Denmark	9.53
CSWI, Portugal	9.735	OZH, "	18.32
DJB, Germany	18.28	PCJ, Holland	9.68, 18.22
DJD, "	11.77	PHI, "	17.175
DJL, "	15.11	RAN, U.S.S.R.	9.60
DJZ, "	11.89	RNS, "	18.08
EIKK, Ireland	17.84, 9.495	RNE, "	12.80
FOAAA, Tahiti	7.1	RWF, "	18.18
GRX, East Ind.	9.69	SFP, Sweden	11.705
GRY, "	9.69	SFD, Poland	11.83
GSJ, "	9.69	SPW, "	13.64
GSA, "	9.51	TFJ, Iceland	12.33
GSE, "	9.51	TGWA, Guatemala	18.17
GSC, "	9.58	TGWB, "	9.69
GSD, "	11.75	TGS, "	8.98
GSE, "	11.88	TIPO, Costa Rica	9.413
GSP, "	15.14	TIKX, "	9.498
GSO, "	17.79	TPAZ, France	18.24
GSH, "	21.47	TPA2, "	11.88
GSL, "	18.25	TPA4, "	11.71
GSF, "	21.54	TPB3, "	17.85
GSO, "	18.18	TPB11, "	11.885
GSP, "	18.31	VKME, Australia	9.59
GSV, "	17.81	VLR, "	9.88
HAS3, Hungary	18.37	WIXAL, Boston, Mass.	9.12, 15.25, 11.79, 6.94
HAT4, "	14.535	WIXAR, Boston, Mass.	11.402
HBJ, Switzerland	14.402	KECR, Mexico, D.F.	7.38
HBO, "	14.402	XEU2, "	6.12
HC1JB, Ecuador	14.40	XEWV, "	9.5
HC2JB, "	12.46	XOOL, China	17.8
HC3JB, "	6.360	XODY, "	11.9
HPSA, Panama	11.7	YV3N, Venezuela	7.91
HPSJ, "	9.69	ZHW3, China	9.825
HVJ, Vatican City	18.18, 9.88, 9.83	ZIK3, Brit. Mand.	1.3
IRF, Italy	11.385	ZIE, St. Kitts	6.385
JLG3, Japan	11.80	ZRL, So. Africa	9.81
JZJ, "	15.18	ZRO3, Italy	9.435
JZK, "	17.785	ZRO4, "	11.81
JZL, "	9.69	ZRO8, "	18.30
LRA, Argentina	9.66	ZRO8, "	17.82
LRX, "	9.34	ZRO8, "	9.87

Short-wave programs of American stations are shown along with the regular listings beginning on page 28. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

Daily Programs, Sat., July 1 through Fri., July 7

Programs listed here are those broadcast daily at the same time. Exceptions are indicated.

8:2 a.m.—Overseas hour: JZK
8:30 a.m.—News (English): W6XBE (9.53)
8:50 a.m.—(ex. Sun.)—News (English): VLR

9 a.m. (ex. Sun.)—News (English): W3XAL (21.63) W3XL (17.78)
9 a.m.—News: PHI PCJ (15.22)
9:15 a.m.—News (English): GSF GSG GSJ
9:25 a.m.—News (English): JZJ JZK JLU3 (15.135)
10 a.m.—News (English): XGOY
10 a.m. (ex. Sun.)—News (Spanish): W2XAD (21.5)
10:30 a.m.—News (English): W6XBE (9.53)
11:30 a.m. (ex. Sun.)—News (English): W3XAL (6.06)
12 noon (ex. Sun.)—News: ZRO6
12:30 p.m. (ex. Sun.)—Farm Program: W2XAD (15.33)
1 p.m.—International Hour: HPSG
1:17 p.m.—Arabic program: GSP
1:30 p.m.—Program from Ireland: EIRE (17.84 or 9.595)
2 p.m.—News (Italian): W3XAL (21.63) W3XL (17.78)
2:20 p.m.—News (English): ZRO6
3 p.m.—News (German): W3XAL (21.63) W3XL (17.78)
3:15 p.m.—News (French, German and Italian): GSA GSN
3:30 p.m. (ex. Sat., Sun.)—News: W1XAL (11.79) or W1XAR (15.13)
4 p.m.—News (French): W3XAL (21.63) W3XL (17.78)
4 p.m.—Variety program: ZRO6 ZRO9
5:30 p.m. (ex. Sun.)—News (English): GSD GSP
6 & 9 p.m. (ex. Sun.)—News (Spanish): W3XAL (9.67) W3XL (17.78)
6:45 p.m.—Program from Portugal: CSW7
7 p.m.—Polish program: SPW SPD
7:25 p.m.—Latin transcriptions: GSC GSO
7:30 p.m.—News (Spanish): GSC GSO
8 p.m.—News (Portuguese): GSC GSO
8 p.m.—Soviet program: RAL RKL RW95
8:30 p.m. (ex. Sun.)—Today in Germany: DJB
8:45 p.m. (ex. Sun.)—News (English): GSB GSD
9 p.m.—Program from Nassau, Bahamas: ZNS (6.09)
9:10 p.m.—News (English): W6XBE (15.33)
9:30 p.m.—North American transmission: TPB11
10 p.m.—News (Spanish): GSC GSO
10:30 p.m.—North American transmission: OZF
11 p.m. (ex. Mon.)—Friendship Hour: HC1JB HC2JB
12 mid. (ex. Wed., Fri.)—Marihu Concert: TGWA (9.685)

Saturday, July 1

For programs broadcast daily see Daily Programs (cont. 2)

8:15 a.m.—Cricket: Oxford vs. Cambridge: GSF
9:45 a.m.—Mail Bag: W6XBE (9.53)
12:15 p.m.—All-England Lawn Tennis Championships: GSF GSG GSJ
2:30 p.m.—BBC Orchestra: GSD GSG
3 p.m.—Music Hall: GSD GSG
5:15 p.m.—Newark News Radio Club program: W2XJ (25.3)
6:15 p.m.—Vocal Recital: GSD GSG GRX
7:15 p.m.—Club of Nations: DJB DJD DJZ
8:30 p.m.—Alma Lani: W2XAD (9.55)
9 p.m.—North American program: SBI
9:15 p.m.—Behind the Scenes in a Theater: ZRO3
9:15 p.m.—Program from Belize, British Honduras: ZIK3
10 p.m.—Dance music: YV3N
10 p.m.—English broadcast: TI4NRH
10:30 p.m.—Hawaii Calls: KQH (14.92) KKII (7.52)
11 p.m.—Moonlight music: W3XAL (6.1) W3XAL (9.67)
11:20 p.m.—Talk in English: TPB11 TPA4
12 mid.—Marihu dance music: TGWA TGWB
2 a.m.—DX Program from Guatemala: TGWA (9.685) TGWB

Sunday, July 2

For programs broadcast daily see Daily Programs (cont. 2)

8 a.m.—Callender's Senior Band: GSF GSG GSJ
8:30 a.m.—Church services: VUC2 (4.88)
9 a.m.—Program from Denmark: OZII
10 a.m.—Broadcast from Budapest: HAS3
12:10 p.m.—Symphonic Concert: DJB
2:40 p.m.—Island Hour: TFJ
2:45 p.m.—Services from Great St. Mary's, Cambridge: GSD GSG
4:30 p.m.—French Mail Bag: W3XAL (17.78) W3XAL (21.63)
5:05 p.m.—News (English): GSD GSP
5:55 p.m.—Fantasy: "Louise and Lena": GSD
6 p.m.—Football broadcast: TGWA (15.17)
8 p.m.—League of Nations program: HBO (11.402) HRJ (14.535)
8:15 p.m.—Kecskemet Choir: HAT4
8:30 p.m.—News (English): GSH GSD TGWA (9.685)
8:45 p.m.—Opera, "Don Pasquale": ZRO3 ZRO4
9:15 p.m.—Talk, "The Siena Palm": ZRO3 ZRO4
9:45 p.m.—Treasure Island Brazilian Orchestra: W6XBE (15.33)
11 p.m.—Symphonic Concert: TGWA (9.685)
11:25 p.m.—English talk: TPA4 TPB11

Monday, July 3

For programs broadcast daily see Daily Programs (cont. 2)

8:15 a.m.—Cricket: Oxford vs. Cambridge: GSF
10:45 a.m.—Polo: India vs. The World: GSF GSG

2:30 p.m.—Piano Recital: GSD GSG GSP
4 p.m.—Wallford Hyden's orchestra: GSD GSG
4 p.m.—Symphonic Hour: W1XAL (11.79) or W1XAR (15.13)
6 p.m.—Science News: W2XAF (9.53)
6:15 p.m.—Early Days in New Zealand and Australia: GSD GSG
7 p.m.—English program: Radio Martinique (9.7)
7:30 p.m.—Tropical Moods: W2XAF (9.53)
8 p.m.—Beethoven Philharmonic Orchestra: HAT4
8:15 p.m.—Code Practice Lessons: W1XAL (6.04) or W1XAR (11.73)
8:45 p.m.—Folk songs: ZRO3 ZRO4 ZRO8 HRF
9 p.m.—Radio Course: W1XAL (6.04) or W1XAR (11.73)
10:05 p.m.—English lessons for Spanish listeners: W4XB (6.04)
12:30 a.m.—Salute to Cities: W3XAL (6.05)

Tuesday, July 4

For programs broadcast daily see Daily Programs (cont. 2)

8:15 a.m.—Cricket: Oxford vs. Cambridge: GSF
1:30 p.m.—Broadcast from Alders: TPZ (8.96)
3 p.m.—Recital by Molly Monroy: GSD GSG GSJ
4 p.m.—Round the Concert Parties: GSD GSG
4:30 p.m.—Present Day Problems of Peace: W1XAL (11.79) or W1XAR (15.13)
5 p.m.—Listeners' Post Box: W1XAL (11.79) or W1XAR (15.13)
7:25 p.m.—Eric Winstone's Accordion Quintet: GSB GSD GSP
8:15 p.m.—Jazzed Colony, folk lyric songs: HAT4
8:30 p.m.—Television Show: W2XBS (sight 45.25, sound 49.75)
8:45 p.m.—Tuesday Symphonies: ZRO3 ZRO4 ZRO8 HRF
9:15 p.m.—Program from Belize, British Honduras: ZIK3
9:45 p.m.—Happy program: PCJ (9.59)
11:15 p.m.—Henry Williamson: GSD GSJ
12 mid.—Marihu Ensemble: TGWA (9.685) TGWB

Wednesday, July 5

For programs broadcast daily see Daily Programs (cont. 2)

8:15 a.m.—Cricket: Gentlemen vs. Players: GSF
12:15 p.m.—"World Affairs," Sir Alfred Zimmerman: GSF GSG GSJ
2:30 p.m.—Marine Band: W2XAD (15.33)
3:45 p.m.—Play, "The Humor of Lo-Chung": GSD GSG GSP
4:30 p.m.—Church in the Wildwood: W2XAD (15.33) W2XAF (9.53)
8 p.m.—Goldman's Band: W6XBE (15.33)
8 p.m.—North American Hour from St. Kitts: ZIK
8:45 p.m.—Songs from the Sea: ZRO3 ZRO4 ZRO8
9:25 p.m.—Happy Program: PCJ (9.59)
12 mid.—Operatic music: TGWA (9.685)

Thursday, July 6

For programs broadcast daily see Daily Programs (cont. 2)

8:15 a.m.—Cricket: Gentlemen vs. Players: GSF
11 a.m.—Melody Matinee: W3XAL (21.63) W3XL (17.78)
1:30 p.m.—At the Black Dog: GSD GSG GSP
4 p.m.—Symphonic Music: W1XAL (11.79) or W1XAR (15.13)
5:30 p.m.—Science Forum: W2XAF (9.53) W2XAD (15.33)
8:15 p.m.—Besokart Orchestra: HAT4
8:30 p.m.—Television Show: W2XBS (sight 45.25, sound 49.75)
8:30 p.m.—Gyula Szaszbu, singing Hungarian songs: HAT4
10 p.m.—English broadcast: TI4NRH
10:05 p.m.—English lessons for Spanish listeners: W4XB (6.04)
10:45 p.m.—BBC Empire Orchestra: GSD GSJ
11:20 p.m.—Mme. de Gramont, talk: TPB11 TPA4

Friday, July 7

For programs broadcast daily see Daily Programs (cont. 2)

8:15 a.m.—Cricket: Gentlemen vs. Players: GSF
8:30 a.m.—British Open Golf Championship: GSF
12:30 p.m.—All-England Lawn Tennis Championships: GSF GSG GSJ
1:35 p.m.—Motor Boat Racing: GSD GSG GSP
4 p.m.—Modern Radio Course: W1XAL (11.79) or W1XAR (15.13)
4:30 p.m.—Church in the Wildwood: W2XAF (9.53) W2XAD (15.33)
7:45 p.m.—Truths Behind the Headlines: W1XAL (6.04) or W1XAR (11.73)
8:15 p.m.—Listeners' Mail Bag: W1XAL (6.04) or W1XAR (11.73)
8:30 p.m.—Television Show: W2XBS (sight 45.25, sound 49.75)
8:30 p.m.—Carmen Molina, songs: YV3N
8:45 p.m.—Guest Night: ZRO3 ZRO4 ZRO8 HRF
9 p.m.—Mature Melodies: W2XAD (9.55)
9:15 p.m.—Amy Bernardy: ZRO3 ZRO4 ZRO8 HRF
10:45 & 11:15 p.m.—Transmissions of New York World's Fair Radio Club: Amateurs on all amateur bands
11 p.m.—Radio Theater: TGWA (9.685) TGWB
11:25 p.m.—English talk: TPB11 TPA4
12 mid.—English Hour: XENA (6.175)
2 a.m.—Voice of Hawaii: native soloists and instrumentalists: KQH (14.92) KKII (7.52)

On Short Waves: Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are Eastern Daylight Time. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

BBROADCAST service to South America, Asia and the Antipodes from General Electric's short-wave station W6XBE, located at the Golden Gate Exposition on Treasure Island, San Francisco Bay, was almost doubled, starting on Saturday, June 24. The new schedule calling for twelve and three-quarter hours of programs daily is as follows: On 9.53 megs, from 1 to 4 a.m. and from 8 a.m. to 1 p.m. EDT, directed primarily to Asia, and on 15.33 megs, from 7:30 p.m. to 12:15 a.m. EDT, directed to Latin America. The increase in service was motivated by the thousands of letters that have been received from listeners in South America, Asia, New Zealand and Australia. The weekly schedule of W2XAF (9.53) at Schenectady, New York, has also been increased by ten hours.

A new station, KZEH, located at Manila, in the Philippines, has been heard testing lately near 8 a.m. EDT, on a frequency of 9.585 megs. Reports were solicited and these should be sent to P. O. Box 110, Manila, Philippine Islands.

Ashley Walcott of San Francisco, Calif., informs me that ZHJ, Penang, Straits Settlement, is now being heard on a frequency of 8.09 megs, until 9:40 a.m. EDT, or sometimes later, with relays of programs from Daventry, England; that MTCY (15.20) Hsingking, Manchukuo, sent a special program to NBC at San Francisco, one afternoon recently, but due to interference from DJB, Zeelen, Germany, operating on the same frequency, the network cut the program; that JFO, Taihoku, Taiwan, has not shifted in frequency to 9.69, but is still operating on 9.63 megs, while the Taihoku station on 9.69 megs is a new one which transmits simultaneously with JFO. Still another Taihoku station on 7.32 megs, the loudest of the three, may be heard daily from 9 to 11:20 a.m. EDT. . . . A QSL card from "Radio Saigon" at Saigon, French Indo-China, states that this station operates on 6.116 megs, with a power of 12,000 watts, daily from 7:45 to 9:30 a.m. and from 12:45 to 1:15 a.m. EDT, and on a frequency of 11.78 megs, from 1:15 to 1:45 and from 9:30 to 10:45 a.m. EDT.

CB946 (9.46), a new 5,000-watt station that will relay broadcast stations CB118 and CB150 at Santiago, Chile, is now under construction. . . . CB1174, "Radio Huckle," Santiago, may be heard nightly to 11:30 p.m. EDT, on a frequency of 11.745.

B. E. Long of Palmira, Colombia, South America, writes that English listeners in that country now have to depend upon reception from 11-meter-band stations in the United States, since the other North American international stations are radiating programs almost wholly in Spanish or Portuguese. W8XNU of Cincinnati, Ohio, and W9XUP of St. Paul, Minn., are the most dependable, he says, but there is seldom a day on which one or more of the 11-meter stations can not be heard up to about 10 p.m. EDT. This item should serve as an encouragement to broadcasters on the 11-meter band to make every effort toward providing an interesting and satisfactory program service on this new band.

Alan Breen of Dinedin, New Zealand, is proud of the QSL card he has just received from Y1SKG, the Qazr El-Zehoor Broadcasting Station at Baghdad, Iraq. The cream-colored card bears a likeness of Prince Faisal, Crown Prince of Iraq. The call letters are in black with blue shading and the address is given in English and arabic

characters. The power of the station, which operates on 7.2 megs, is given as 1,000 watts.

SHORT-WAVE SHORTS: Desmond Callan of Readville, Mass., writes that "Radio Eircann" of Athlone, Ireland, will operate on the following schedule for the next few weeks: On 17.84 megs, daily from 8:30 to 10 a.m. and on 9.595 or 17.84 megs (alternate days), from 12:30 to 4:30 p.m. EDT. . . . Short-wave station CSW of Lisbon, Portugal, has been assigned new frequencies of 9.67, and 15.155 megs, in addition to its present ones of 9.74 and 11.04 megs. . . . Two and a quarter hours of additional program time becomes available for listeners in Western Canada as the result of the British Broadcasting Corporation's introduction into Transmission 1 from Daventry of a frequency directional on that area. This frequency, GSD (11.75), may be heard nightly from 1 to 3:20 a.m. EDT. . . . According to August Delbi of Los Angeles, Calif., Bangkok, Siam, may now be heard over HS8PJ (19.02), Mondays from 9 to 11 a.m. and over HS8PJ (9.51), Thursdays and Saturdays, and occasionally Fridays, from 9 to 11 a.m. EDT. . . . VK2ME (9.59) of Sydney, Australia, now operates Sundays, from 1 to 3, from 5:30 to 9:30, and from 11:30 a.m. to 2:30 p.m. EDT. . . . A new coastal harbor radiotelephone station to use frequencies of 2.738 and 2.55 megs, will be erected at Mackinac Island.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHYX, Canada	6.15	OLR9A, Bohemia	15.30
COCC, Cuba	6.86	QZF, Denmark	9.32
CRWT, Portugal	9.736	QZH, "	12.28
DJW, Germany	15.30	PCJ, Holland	8.08, 16.22
DJD, "	11.77	PMI, "	17.775
DJI, "	15.11	RAN, U.S.S.R.	9.40
DJZ, "	11.90	RKI, "	12.08
EAG, Spain	9.84	RNE, "	18.90
EIRE, Ireland	17.84	RWP, "	18.12
FOSAA, Tahiti	7.1	SPD, Sweden	11.705
GEY, England	6.49	SPW, "	11.63
GRV, "	6.60	TFJ, Iceland	12.25
GRV, "	6.65	TOWA, Guatemala	15.37
GRV, "	6.65	TOWB, "	6.49
GRV, "	6.65	TOWC, "	6.49
GRV, "	6.65	TOWD, "	6.49
GRV, "	6.65	TOWE, "	6.49
GRV, "	6.65	TOWF, "	6.49
GRV, "	6.65	TOWG, "	6.49
GRV, "	6.65	TOWH, "	6.49
GRV, "	6.65	TOWI, "	6.49
GRV, "	6.65	TOWJ, "	6.49
GRV, "	6.65	TOWK, "	6.49
GRV, "	6.65	TOWL, "	6.49
GRV, "	6.65	TOWM, "	6.49
GRV, "	6.65	TOWN, "	6.49
GRV, "	6.65	TOWO, "	6.49
GRV, "	6.65	TOWP, "	6.49
GRV, "	6.65	TOWQ, "	6.49
GRV, "	6.65	TOWR, "	6.49
GRV, "	6.65	TOWS, "	6.49
GRV, "	6.65	TOWT, "	6.49
GRV, "	6.65	TOWU, "	6.49
GRV, "	6.65	TOWV, "	6.49
GRV, "	6.65	TOWW, "	6.49
GRV, "	6.65	TOWX, "	6.49
GRV, "	6.65	TOWY, "	6.49
GRV, "	6.65	TOWZ, "	6.49
GRV, "	6.65	TOWAA, "	6.49
GRV, "	6.65	TOWAB, "	6.49
GRV, "	6.65	TOWAC, "	6.49
GRV, "	6.65	TOWAD, "	6.49
GRV, "	6.65	TOWAE, "	6.49
GRV, "	6.65	TOWAF, "	6.49
GRV, "	6.65	TOWAG, "	6.49
GRV, "	6.65	TOWAH, "	6.49
GRV, "	6.65	TOWAI, "	6.49
GRV, "	6.65	TOWAJ, "	6.49
GRV, "	6.65	TOWAK, "	6.49
GRV, "	6.65	TOWAL, "	6.49
GRV, "	6.65	TOWAM, "	6.49
GRV, "	6.65	TOWAN, "	6.49
GRV, "	6.65	TOWAO, "	6.49
GRV, "	6.65	TOWAP, "	6.49
GRV, "	6.65	TOWAQ, "	6.49
GRV, "	6.65	TOWAR, "	6.49
GRV, "	6.65	TOWAS, "	6.49
GRV, "	6.65	TOWAT, "	6.49
GRV, "	6.65	TOWAU, "	6.49
GRV, "	6.65	TOWAV, "	6.49
GRV, "	6.65	TOWAW, "	6.49
GRV, "	6.65	TOWAX, "	6.49
GRV, "	6.65	TOWAY, "	6.49
GRV, "	6.65	TOWAZ, "	6.49
GRV, "	6.65	TOWBA, "	6.49
GRV, "	6.65	TOWBB, "	6.49
GRV, "	6.65	TOWBC, "	6.49
GRV, "	6.65	TOWBD, "	6.49
GRV, "	6.65	TOWBE, "	6.49
GRV, "	6.65	TOWBF, "	6.49
GRV, "	6.65	TOWBG, "	6.49
GRV, "	6.65	TOWBH, "	6.49
GRV, "	6.65	TOWBI, "	6.49
GRV, "	6.65	TOWBJ, "	6.49
GRV, "	6.65	TOWBK, "	6.49
GRV, "	6.65	TOWBL, "	6.49
GRV, "	6.65	TOWBM, "	6.49
GRV, "	6.65	TOWBN, "	6.49
GRV, "	6.65	TOWBO, "	6.49
GRV, "	6.65	TOWBP, "	6.49
GRV, "	6.65	TOWBQ, "	6.49
GRV, "	6.65	TOWBR, "	6.49
GRV, "	6.65	TOWBS, "	6.49
GRV, "	6.65	TOWBT, "	6.49
GRV, "	6.65	TOWBU, "	6.49
GRV, "	6.65	TOWBV, "	6.49
GRV, "	6.65	TOWBW, "	6.49
GRV, "	6.65	TOWBX, "	6.49
GRV, "	6.65	TOWBY, "	6.49
GRV, "	6.65	TOWBZ, "	6.49
GRV, "	6.65	TOWCA, "	6.49
GRV, "	6.65	TOWCB, "	6.49
GRV, "	6.65	TOWCC, "	6.49
GRV, "	6.65	TOWCD, "	6.49
GRV, "	6.65	TOWCE, "	6.49
GRV, "	6.65	TOWCF, "	6.49
GRV, "	6.65	TOWCG, "	6.49
GRV, "	6.65	TOWCH, "	6.49
GRV, "	6.65	TOWCI, "	6.49
GRV, "	6.65	TOWCJ, "	6.49
GRV, "	6.65	TOWCK, "	6.49
GRV, "	6.65	TOWCL, "	6.49
GRV, "	6.65	TOWCM, "	6.49
GRV, "	6.65	TOWCN, "	6.49
GRV, "	6.65	TOWCO, "	6.49
GRV, "	6.65	TOWCP, "	6.49
GRV, "	6.65	TOWCQ, "	6.49
GRV, "	6.65	TOWCR, "	6.49
GRV, "	6.65	TOWCS, "	6.49
GRV, "	6.65	TOWCT, "	6.49
GRV, "	6.65	TOWCU, "	6.49
GRV, "	6.65	TOWCV, "	6.49
GRV, "	6.65	TOWCW, "	6.49
GRV, "	6.65	TOWCX, "	6.49
GRV, "	6.65	TOWCY, "	6.49
GRV, "	6.65	TOWCZ, "	6.49
GRV, "	6.65	TOWDA, "	6.49
GRV, "	6.65	TOWDB, "	6.49
GRV, "	6.65	TOWDC, "	6.49
GRV, "	6.65	TOWDD, "	6.49
GRV, "	6.65	TOWDE, "	6.49
GRV, "	6.65	TOWDF, "	6.49
GRV, "	6.65	TOWDG, "	6.49
GRV, "	6.65	TOWDH, "	6.49
GRV, "	6.65	TOWDI, "	6.49
GRV, "	6.65	TOWDJ, "	6.49
GRV, "	6.65	TOWDK, "	6.49
GRV, "	6.65	TOWDL, "	6.49
GRV, "	6.65	TOWDM, "	6.49
GRV, "	6.65	TOWDN, "	6.49
GRV, "	6.65	TOWDO, "	6.49
GRV, "	6.65	TOWDP, "	6.49
GRV, "	6.65	TOWDQ, "	6.49
GRV, "	6.65	TOWDR, "	6.49
GRV, "	6.65	TOWDS, "	6.49
GRV, "	6.65	TOWDT, "	6.49
GRV, "	6.65	TOWDU, "	6.49
GRV, "	6.65	TOWDV, "	6.49
GRV, "	6.65	TOWDW, "	6.49
GRV, "	6.65	TOWDX, "	6.49
GRV, "	6.65	TOWDY, "	6.49
GRV, "	6.65	TOWDZ, "	6.49
GRV, "	6.65	TOWEA, "	6.49
GRV, "	6.65	TOWEB, "	6.49
GRV, "	6.65	TOWEC, "	6.49
GRV, "	6.65	TOWED, "	6.49
GRV, "	6.65	TOWEE, "	6.49
GRV, "	6.65	TOWEF, "	6.49
GRV, "	6.65	TOWEG, "	6.49
GRV, "	6.65	TOWEH, "	6.49
GRV, "	6.65	TOWEI, "	6.49
GRV, "	6.65	TOWEJ, "	6.49
GRV, "	6.65	TOWEK, "	6.49
GRV, "	6.65	TOWEL, "	6.49
GRV, "	6.65	TOWEM, "	6.49
GRV, "	6.65	TOWEN, "	6.49
GRV, "	6.65	TOWEO, "	6.49
GRV, "	6.65	TOWEP, "	6.49
GRV, "	6.65	TOWEQ, "	6.49
GRV, "	6.65	TOWER, "	6.49
GRV, "	6.65	TOWES, "	6.49
GRV, "	6.65	TOWET, "	6.49
GRV, "	6.65	TOWEU, "	6.49
GRV, "	6.65	TOWEV, "	6.49
GRV, "	6.65	TOWEW, "	6.49
GRV, "	6.65	TOWEX, "	6.49
GRV, "	6.65	TOWEY, "	6.49
GRV, "	6.65	TOWEZ, "	6.49
GRV, "	6.65	TOWFA, "	6.49
GRV, "	6.65	TOWFB, "	6.49
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GRV, "	6.65	TOWFK, "	6.49
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GRV, "	6.65	TOWFM, "	6.49
GRV, "	6.65	TOWFN, "	6.49
GRV, "	6.65	TOWFO, "	6.49
GRV, "	6.65	TOWFP, "	6.49
GRV, "	6.65	TOWFQ, "	6.49
GRV, "	6.65	TOWFR, "	6.49
GRV, "	6.65	TOWFS, "	6.49
GRV, "	6.65	TOWFT, "	6.49
GRV, "	6.65	TOWFU, "	6.49
GRV, "	6.65	TOWFV, "	6.49
GRV, "	6.65	TOWFW, "	6.49
GRV, "	6.65	TOWFX, "	6.49
GRV, "	6.65	TOWFY, "	6.49
GRV, "	6.65	TOWFZ, "	6.49
GRV, "	6.65	TOWGA, "	6.49
GRV, "	6.65	TOWGB, "	6.49
GRV, "	6.65	TOWGC, "	6.49
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GRV, "	6.65	TOWGI, "	6.49
GRV, "	6.65	TOWGJ, "	6.49
GRV, "	6.65	TOWGK, "	6.49
GRV, "	6.65	TOWGL, "	6.49
GRV, "	6.65	TOWGM, "	6.49
GRV, "	6.65	TOWGN, "	6.49
GRV, "	6.65	TOWGO, "	6.49
GRV, "	6.65	TOWGP, "	6.49
GRV, "	6.65	TOWGQ, "	6.49
GRV, "	6.65	TOWGR, "	6.49
GRV, "	6.65	TOWGS, "	6.49
GRV, "	6.65	TOWGT, "	6.49
GRV, "	6.65	TOWGU, "	6.49
GRV, "	6.65	TOWGV, "	6.49
GRV, "	6.65	TOWGW, "	6.49
GRV, "	6.65	TOWGX, "	6.49
GRV, "	6.65	TOWGY, "	6.49
GRV, "	6.65	TOWGZ, "	6.49
GRV, "	6.65	TOWHA, "	6.49
GRV, "	6.65	TOWHB, "	6.49
GRV, "	6.65	TOWHC, "	6.49
GRV, "	6.65	TOWHD, "	6.49
GRV, "	6.65	TOWHE, "	6.49
GRV, "	6.65	TOWHF, "	6.49
GRV, "	6.65	TOWHG, "	6.49
GRV, "	6.65	TOWHI, "	6.49
GRV, "	6.65	TOWHJ, "	6.49
GRV, "	6.65	TOWHK, "	6.49
GRV, "	6.65	TOWHL, "	6.49
GRV, "	6.65	TOWHM, "	

Times given are Eastern Daylight Time. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

AMERICAN short-wave broadcasters are moving forward on all fronts. Only a few years ago this country lagged miserably behind other leading powers in the field of international broadcasting. Today the United States is rapidly approaching the head of the ranks.

By the time this is printed the new 100,000-watt transmitter for short-wave station W2XAF of Schenectady, New York, should be on the air. Two of the largest radio tubes ever built will be used in the new equipment. These have been especially designed by the General Electric Company after several months of research and when used with the new Alexanderson panel antenna, are expected to produce an effective directional power output of more than 600,000 watts. With this power in use it is believed the good-will Latin-American broadcasts from Schenectady will cut through the fog of interference created by certain European stations like a knife and will give listeners in South America absolutely reliable and enjoyable reception. That American Latin-language programs are becoming increasingly popular may be attested by the fact that in several cities in Brazil powerful amplifying systems have been set up in the parks for the express purpose of bringing United States transmissions for Brazil within ear-range of every possible listener.

The National Broadcasting Company's international division has increased its schedule of short-wave programs to Latin America by three and one-half hours daily. W3XAL, one of its high-frequency stations, began beaming its broadcasts in that direction on an additional frequency channel of 21.63 megs from 1 to 4:30 p.m. EDT. Other transmissions to Latin countries are effected daily over W3XL (17.78), from 5 to 11 p.m. and over W3XAL (9.67), from 5 p.m. to 1 a.m. EDT.

W1XAL, the University Club station at Boston, Mass., is temporarily off the air to enable engineers to install powerful beam antennae which should result in improved reception in many parts of the world. The station will resume broadcasting about August 25. Listeners are invited to send in any suggestion for program topics to be included in W1XAL's fall schedule of broadcasts.

The first DX broadcast ever to originate in Turkey will be transmitted especially for the benefit of United States short-wave listeners over short-wave station TAP (9.465) of Ankara, on Saturday, July 29, from 5:10 to 5:55 p.m. EDT. The program will consist of dance music, with announcements in English throughout.

According to a letter received by Harve Amers of Pomona, Calif., from XMHHA (11.86), "The Call of the Orient," located at 445 Race Course Road, Shanghai, the station has had to shift frequency three times since coming on the air last January 12 because of the deliberate interference injected into their channel. This station is the only American-owned short-wave broadcasting transmitter allowed outside of the Chinese Government station, and was the only one whose equipment was on the air following the opening of hostilities in the Shanghai area. Over 15,000 messages were relayed through this station from residents of the area to relatives in the Far East. . . . Radio Saigon, "The Voice of France in the Far East," Saigon, French Indo-China, broadcasts daily on 8.116 megs, from 12:45 to 1:15, from 8:30 to 9:30 a.m., and from 7:45 to 8:15 p.m.; and on a frequency of 11.78 megs, from 1:15 to 1:45 and from 10:15 to 10:45 a.m. EDT.

A new short-wave station, under construction on the highway between Havana and Guanabacoa, will operate when completed with a power of 5,000 watts on a frequency of 9.437 megs, and under the call letters COCN. . . . OAX6B, a new station under construction by Maximo J. Landa, at Arequipa, Peru, will operate on a frequency of 11.71 megs, and with a power of 150 watts, when completed.

Ashley Walcott of San Francisco, Calif., writes that VK9MI is operating on 6.052 megs, irregularly from 7:45 to 8:30 a.m. EDT. . . . XOJD, Hankow, China, is being heard on a frequency of 6.87 megs, from 9 to 9:35 a.m. EDT, with only Chinese programs. . . . KZEG, the Sunshine station at Manila, Philippine Islands, is now being relayed on 6.14 megs, daily from 6 to 10 a.m. EDT, or later. KZRH is a new Manila station which has just come on the air on an announced frequency of 8.1 megs. It is slightly stronger than KZEG, and has been testing irregularly from 6 to 9 a.m., or later, requesting reception reports. . . . HS8PJ (9.51) of Bangkok, Siam, is on the air now almost daily from 9 to 11 a.m. EDT.

John Larsen of Geneva, New York, has been hearing an unidentified Italian transmitter operating throughout the afternoon on a frequency of 15.23 megs, simultaneously with 2RO12 (15.1) and 2RO6 (15.3) of Rome. The unknown station leaves the air at 8:30 p.m., being blanketed by OLR5A of Prague, from 7:55 p.m. EDT on. . . . Walter Rankins of Manchester, England, reports reception of the new Portuguese station CSW8, "Radio Nacional," of Lisbon, at 5:20 p.m. EDT, on a frequency of 7.26 megs. An English and French program is transmitted by this station each Tuesday and Friday from 5 to 6 p.m. EDT.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHNX, Canada	6.13	OLR5A, Bohemia	15.23
COGQ, Cuba	8.45	OZF, Denmark	9.52
CSW7, Portugal	9.735	OZM, "	15.23
DJB, Germany	18.20	PCJ, Holland	9.69, 16.22
DJL, "	11.77	PEL, "	17.775
DJZ, "	15.11	RAN, U.S.S.R.	9.60
DJZ, "	11.80	RKI, "	15.08
EAG, Spain	9.88	RNE, "	12.00
KIRE, Ireland	17.84	RW98, "	15.13
FORAA, Tahiti	7.1	SBP, Sweden	11.705
GRX, England	9.09	SPD, Poland	11.40
GRY, "	9.80	SPW, "	13.04
OSA, "	8.05	TFL, Iceland	18.23
OSB, "	9.51	TOWA, Guatemala	15.17
GSC, "	9.58	TOWB, "	8.49
GSD, "	11.75	TGS, "	6.185
GSE, "	11.98	TIPQ, Costa Rica	9.812
GSH, "	15.14	TIANRH, "	9.898
GSO, "	17.79	TPAF, France	15.84
GSP, "	15.47	TPA3, "	11.88
GST, "	15.28	TPB3, "	11.71
GSA, "	21.58	TPB5, "	17.85
GSO, "	15.18	TPR11, "	11.825
GSP, "	15.31	VK3ME, Australia	9.50
GSV, "	17.81	VK3ME, "	8.51
MAS3, Hungary	15.57	VLR, "	9.48
HAT4, "	9.12	W1XAL, Boston, Mass.	15.23, 11.79, 9.64
HBJ, Switzerland	14.335	W1XAR, Boston, Mass.	11.78, 16.13
HBO, "	11.402	KECR, Mexico, D.F.	7.38
HCLJB, Ecuador	14.43	KEUZ, "	6.12
HCSJB, "	12.48	KXWW, "	9.5
HCSRL, "	8.358	XGOX, China	17.8
HPSA, Panama	11.7	XGOY, "	11.9
HP50, "	11.78	XPSA, "	7.01
HPJ, "	9.60	YV8RN, Venezuela	5.94
HPV, Vatican City	15.12, 9.68, 8.00	ZBWB, China	9.825
IRF, Italy	9.73	ZIBS, Brit. Head.	8.3
JL93, Japan	11.705	ZIZ, St. Kitts	6.988
JZJ, "	11.80	ZL, So. Africa	9.81
JZK, "	19.18	ZRO3, Italy	9.635
JZL, "	17.78	ZRO4, "	11.81
LRA, Argentina	8.20	ZRO6, "	15.20
LRX, "	9.68	ZRO8, "	17.85
OAX4J, Peru	9.36	ZRO9, "	8.87

Short-wave programs of American stations are shown along with the regular listings beginning on page 18. 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.

Daily Programs, Sat., July 29 through Fri., Aug. 4

Programs listed here are those broadcast daily at the same time. Exceptions are indicated.

- 8 a.m.—Transmission to Asia: W6XBE (9.53)
- 8 a.m.—Overseas hour: JZK
- 8:30 a.m. (ex. Sun.)—News (English): YLR
- 9 a.m.—English program: Radio Saigon (11.78)
- 9 a.m.—Overseas hour: JZK
- 9 a.m.—Classical Music: DJL
- 9 a.m.—Program from Chungking, China: XGOY
- 9:15 a.m.—Golden Gate Exposition Stroller: W6XBE (9.53)
- 9:25 a.m.—News from Tokyo, Japan: JZJ JZK
- 9:30 a.m.—Program from Ireland: EIRE (17.84)
- 10 a.m. (ex. Sun.)—News (Spanish): W2XAD (21.5)
- 10:30 a.m.—News (English): W6XBE (9.53)
- 12:30 a.m. (ex. Sun.)—Farm Program: W2XAD (15.33)
- 1 p.m.—International Hour: HP5G
- 1:30 p.m.—News (English): HP5G
- 1:45 p.m.—Marimba Ensemble: TGWA (15.17)
- 2 p.m.—News (English): GSG GSP GSD
- 2 p.m.—News (Italian): W3XAL (21.63) W3XL (17.78)
- 2:20 p.m.—News (English): ZRO6
- 3:15 p.m.—News (French, German and Italian): GSA GRX
- 4 p.m.—News (French): W3XAL (21.63) W3XL (17.78)
- 5 p.m. (ex. Sun.)—News (French, German and Italian): W2XE (17.83)
- 5:20 p.m.—Dance music: TAP (9.465)
- 6 & 9 p.m. (ex. Sun.)—News (Spanish): W3XAL (9.67) W3XL (17.78)
- 6:45 p.m. (ex. Sun.)—News (Spanish): W2XE (15.27) W3XAU (9.59 or 6.06)
- 6:45 p.m.—Program from Portugal: CSW7
- 7 p.m.—News (English): DJB DJD DJZ
- 7 p.m.—News (English): W9XA (26.45)
- 7 p.m.—Polish program: SPW SPD
- 7:15 p.m. (ex. Sat. Sun.)—News (Portuguese): W2XE (15.27)
- 7:25 p.m.—Latin transmission: GSO GSC
- 7:30 p.m.—News (Spanish): GSO GSC
- 7:55 p.m.—North American transmissions: OLR5A (15.23)
- 8 p.m.—News (Spanish): W6XBE (15.33)
- 8 p.m.—News (Portuguese): GSO GSC
- 8 p.m.—News (Portuguese): W3XAL (9.67) W3XL (17.78)
- 8 p.m. (ex. Sat.)—Program from Budapest: HAT4
- 8 p.m.—Soviet program: RAN RKI RV96
- 8:30 p.m.—News (English): W4XA (26.15)
- 8:30 p.m. (ex. Sun.)—Today in Germany: DJB DJD DJZ
- 8:30 p.m.—News (English): ZRO3 ZRO4 ZRO8 IRF
- 8:45 p.m. (ex. Sun.)—North American program: FAQ
- 9 p.m.—Big Ben: GSB GSD GSI
- 9 p.m.—Program from Nassau, Bahamas: ZNS (6.09)
- 9 p.m.—Overseas hour: JZL
- 9:15 p.m.—News (English): DJB DJD DJZ
- 10 p.m.—News (Spanish): GSO GSC
- 10 p.m.—Program from Chungking, China: XGOX
- 10:30 p.m.—North American transmission: OZF
- 11 p.m.—News (English): TPB11 TPA4
- 11:30 p.m.—News (English): KEUZ
- 12 mid.—Big Ben and News (English): GSB GSD GSI
- 12 mid. (ex. Wed., Fri.)—Marimba Concert: TGWA (9.685)
- 12:45 a.m. (ex. Sat.)—Program from South Africa: ZLR
- 1:30 a.m.—Overseas hour: JZK
- 2:25 a.m.—News: W8XAL (6.06)

Saturday, July 29

For programs broadcast daily see Daily Programs (Oct. 3)

- 9 a.m.—Program from Siam: HS8PJ (9.51)
- 9:45 a.m.—Mail Bag: W6XBE (9.53)
- 11 a.m.—Mail Bag: W8XAL (6.06)
- 11:15 a.m.—Music International: W2XAD (15.33)
- 11:45 a.m.—Short-wave pickup from Rocky Mountain National Park: W2XAD (15.33)
- 12:30 p.m.—Jack Payne's dance band: GSP GSG
- 1:30 p.m.—Harp Quintet: GSG GSP GSD
- 3 p.m.—Variety: GSG GSP GSD
- 5:10 p.m.—Special DX Transmission from Turkey: TAP (9.465)
- 5:15 p.m.—Newark News Radio Club program: W2XJI (25.3)
- 6 p.m.—News (English): RNE
- 6:30 p.m.—Art Conservatory in Frankfurt on the Main: DJB DJD DJZ
- 6:30 p.m.—Concert Master: W2XAD (9.55)
- 7 p.m.—Old Hungarian Dance: HAT4
- 7 p.m.—Tourist Hour: HP5A
- 7:15 p.m.—Folklore Melodies: HAT4
- 7:30 p.m.—Lives of Great Men: W2XAD (9.53)
- 8:30 p.m.—Aloha Land: W2XAD (9.55)
- 8:45 p.m.—London Log: GSB GSD GSF
- 9 p.m.—North American program: SBP
- 9:15 p.m.—Roman Landmarks: ZRO3 ZRO4 ZRO8 IRF
- 9:45 p.m.—Press Ganz: GSB GSD GSI
- 10 p.m.—Dance music: YV5RN
- 10 p.m.—English broadcast: T14NRH
- 10:30 p.m.—Hawaii Calls: KQH (14.52) KKII (7.52)

- 11 p.m.—Orchestral Quartet: TGWA TGWB
- 11 p.m.—DX broadcast from Nicaragua: YNDG (13.9)
- 11 p.m.—Moonlight music: W3XL (6.1) W3XAL (9.67)
- 11:20 p.m.—English Talk: TPB11 TPA4
- 12 mid.—Marimba dance music: TGWA (9.685) TGWB
- 3 a.m.—International DX'ers program from Guatemala: TG2

Sunday, July 30

For programs broadcast daily see Daily Programs (Oct. 3)

- 8:30 a.m.—Church services: VUC2 (4.88)
- 9 a.m.—Program from Denmark: OZH
- 10:15 a.m.—Walter Collins' orchestra: GSF GSG GSI
- 12:10 p.m.—Symphonic Concert: DJB
- 2:45 p.m.—Mail Bag (Italian): W3XAL (21.63) W3XL (17.78)
- 2:55 p.m.—Episcopal services: GSG GSP GSD
- 3:30 p.m.—Latin-American songs: TGWA (15.17)
- 4:05 p.m.—Alexander Woolcott's "Letter from America": W2XAD (15.33)
- 5:05 p.m.—News (English): GSG GSP GSD
- 5:35 p.m.—Garda Hall, soprano: GSP GSD
- 5:45 p.m.—Play, "Dancing Red Earth": GSD GSP
- 6 p.m.—Correspondence with a German Poetess: DJB DJD DJZ
- 6 p.m.—Short-wave Listener's Mail Bag: CHNX
- 6 p.m.—Football broadcast: TGWA (15.17)
- 7 p.m.—Mexican Hour: XECC XEWW
- 7:15 p.m.—Merry scenes by Letta Thelle: DJB
- 7:20 p.m.—Serial, "The Thirty-nine Steps": GSB GSD GSI
- 7:50 p.m.—"Unusually Yours," John Rorke: GSB GSD GSI
- 8 p.m.—Hungarian Overture: HAT4
- 8:30 p.m.—Press Review: DJB DJD DJZ
- 8:45 p.m.—Bela Radics Gypsy Band: HAT4
- 8:45 p.m.—Opera, "Le Nozze di Figaro": ZRO3 ZRO4 ZRO8 IRF
- 9:10 p.m.—Mayan Singers: TGWA (9.685)
- 9:15 p.m.—"I Reply to . . .": ZRO3 ZRO4 ZRO8 IRF
- 9:30 p.m.—Dresden Soloists Community: DJB DJD DJZ
- 9:30 p.m.—News (English): TGWA (9.685)
- 9:30 p.m.—Paul Carson, organist: W6XBE (15.33)
- 9:45 p.m.—Treasure Island Brazilian Orchestra: W6XBE (15.33)
- 10 p.m.—Program, "La New York": COCX (11.735)
- 11 p.m.—Symphonic Concert: TGWA (9.685)
- 11:25 p.m.—Play, "Dancing Red Earth": GSB GSD GSI
- 12 mid.—Marimba dance music: TGWA (9.685)

Monday, July 31

For programs broadcast daily see Daily Programs (Oct. 3)

- 8:30 a.m.—"Pygmalion," by Bernard Shaw (Part II): GSG GSF GSI
- 10:30 a.m.—Momenti Musicali: W2XAD (21.5)
- 11:30 a.m.—Sydney Gustard, organist: GSF GSG
- 2:30 p.m.—Thomas Matthews' concert orchestra: GSP GSD GSG
- 3 p.m.—Musical comedy, "You're the Girl": GSG
- 3:30 p.m.—New York World's Fair (German): W3XAL (21.63) W3XL (17.78)
- 4:45 p.m.—Mail Bag (French): W3XAL (21.63) W3XL (17.78)
- 5 p.m.—Dance Hour: W2XAD (15.33)
- 5:30 p.m.—Mail Bag (Portuguese): W3XAL (21.63) W3XL (17.78)
- 6 p.m.—Science News: W2XAF (9.53)
- 6:15 p.m.—Science Today: GSD GSP
- 7 p.m.—English program from Martinique: Radio Martinique (9.7)
- 7:15 p.m.—Musical trip through North Sea beaches: DJB DJD DJZ
- 7:45 p.m.—Variety program: HBO HBJ and Schwarzenburg (11.867)
- 8 p.m.—Budapest Concert Orchestra: HAT4
- 8:15 p.m.—Hungarian folk-lore melodies: HAT4
- 8:15 p.m.—Mail Bag (Spanish): W2XAF (9.53)
- 8:45 p.m.—Pali Pertis Gypsy Band: HAT4
- 8:45 p.m.—Federation of Business Women's Program: ZRO3 ZRO4 ZRO8 IRF
- 8:45 p.m.—London Palladium Orchestra: GSB
- 9 p.m.—Naples folk-songs: ZRO3 ZRO4 ZRO8 IRF
- 9:30 p.m.—Symphonic Concert: TPB11 TPA4
- 10:15 p.m.—Italian Light Music: DJB DJD DJZ
- 11 p.m.—Military Band Concert: TGWA (9.685)

Tuesday, August 1

For programs broadcast daily see Daily Programs (Oct. 3)

- 8:45 a.m.—New Hippodrome Orchestra: GSF GSG GSI
- 10 a.m.—Rhythms of Today: W2XAD (21.5)
- 10 a.m.—BBC Scottish Orchestra: GSF GSG GSI
- 2:30 p.m.—Little Variety Show: W2XAD (15.33)
- 3:15 p.m.—Program in honor of the Centenary of New Zealand: GSG GSP GSD
- 4:15 p.m.—Army Band: W3XAL (21.63) W3XL (17.78)
- 4:30 p.m.—Cabinet Series: W2XAD (15.33) W3XL (17.78)
- 5:45 p.m.—Ted Roger's "Human Interest Editorials": W2XJI (25.3)
- 6:45 p.m.—Pacific Paradise: W2XAD (9.55)
- 7:25 p.m.—Summer Revellers: GSB GSD GSI (Continued on Next Page)

ON SHORT WAVES

(Continued from Previous Page)

- 8:15 p.m.—Report from the Mozart Island: HAT4
8:30 p.m.—NBC's Television Show: W2XBS (Sight 45.25; Sound 49.75)
8:45 p.m.—Tuesday Symphonies: 2R03 2R04 2R08 IRF
9:10 p.m.—Program from Ecuador: HC2RL (6.355)
9:45 p.m.—Happy Program from Netherlands: PCJ (9.59)
10:30 p.m.—Mail Bag (English): W3X1 (6.1) W3XAL (9.67)
12 mid.—Marianba Ensemble: TGWA (9.685) TGWB

Wednesday, August 2

For programs broadcast daily see Daily Programs (Col. 3)

- 7:30 a.m.—At the Black Dog: GSF GSG GSI
10 a.m.—Organ Melodies: W2XAD (21.5)
10:30 a.m.—English Song Writers: GSF GSG GSI
12:15 p.m.—"World Affairs," H. V. Hodson: GSF GSG GSI
3 p.m.—The Auld Alliance: GSG GSP GSD
4:30 p.m.—Church in the Wildwood: W2XAD (15.33) W2XAF (9.53)
5:30 p.m.—Camera Club of the Air: W2XAL (25.3)
5:30 p.m.—Science Briefs: W2XAD (15.33) W2XAF (9.53)
7:25 p.m.—Musical comedy, "You're the Girl": GSB GSD GSF
8 p.m.—North American transmission from Switzerland: Schwarzenburg (11.867)
8 p.m.—Radio Orchestra: HAT4
8 p.m.—North American Hour: ZIZ
8:15 p.m.—Budapest Mandolin Orchestra: HAT4
8:30 p.m.—Post Orchestra: HAT4
8:45 p.m.—Light musical selections: HAT4
9 p.m.—Piano recital: GSB GSD GSF
9:15 p.m.—Angelini Orchestra: 2R03 2R04 2R08 IRF
9:20 p.m.—Golden Gate Exposition Stroller: W6XBE (15.33)
9:25 p.m.—Happy Program from Netherlands: PCJ (9.59)
11 p.m.—Opera: TGWA (9.685)
11:20 p.m.—Message in English: TPB11 TPA4

Thursday, August 3

For programs broadcast daily see Daily Programs (Col. 3)

- 8:15 a.m.—BBC Scottish Orchestra: GSF GSG
12:15 p.m.—Talk, "Matters of Moment": GSF GSG GSI

- 3:30 p.m.—Recital of Afrikaans songs: GSG GSP GSD
4:45 p.m.—New York World's Fair (French): W3XAL (21.63) W3XAL (17.78)
7:25 p.m.—I Knew a Man: GSB GSD GSF
8 p.m.—Tarracato Orchestra: HAT4
8:30 p.m.—NBC's Television Show: W2XBS (Sight 45.25; Sound 49.75)
8:30 p.m.—Hungarian folk-lore songs: HAT4
8:45 p.m.—Opera selections: 2R03 2R04 2R08 IRF
9 p.m.—Grosvenor House Dance Band: GSB GSD GSF
9:15 p.m.—Rosita Emma Wade: 2R03 2R04 2R08 IRF
10 p.m.—Press Review: DJB DJD DJZ
10 p.m.—English lessons for Spanish listeners: W4XB (6.04)
10:45 p.m.—Popular Tunes: GSB GSD GSI
11 p.m.—Chamber Music: TGWA (9.685) TGWB

Friday, August 4

For programs broadcast daily see Daily Programs (Col. 3)

- 7:15 a.m.—Harry Leader's Band: GSF GSG GSI
8 a.m.—"Under Big Ben," Howard Marshall: GSF GSG GSI
10 a.m.—John B. Hughes, commentator: W6XBE (9.53)
10:15 a.m.—"The Scottish Country," New Deer: GSF GSG GSI
2:30 p.m.—Caheret Entertainment: GSP GSG GSD
3:15 p.m.—Cafe Colette: GSP GSG GSD
6:15 p.m.—Lucky Dip: GSP GSG GSD
8 p.m.—Hungarian Fantasy: HAT4
8:30 p.m.—NBC's Television Show: W2XBS (Sight 45.25; Sound 49.75)
8:45 p.m.—Guest Night: 2R03 2R04 2R08 IRF
9 p.m.—Marianba Melodies: W2XAD (9.55)
9:15 p.m.—Amy Bernarly: 2R03 2R04 2R08 IRF
10:30 p.m.—Treasure Island Brazilian Orchestra: W6XBE (15.33)
10:45 & 11:15 p.m.—Transmissions of New York World's Fair Radio Club: Amateurs on all amateur bands
10:50 p.m.—Billy Cotton's band: GSB GSD GSI
10:50 p.m.—Radio Theater: TGWA (9.685) TGWB
11 p.m.—Moonlight Music: W3XAL (9.67) W3XAL (6.1)
11:30 p.m.—English Song Writers: GSB GSD GSI
12 mid.—English Hour: NEXA (6.175)
12 mid.—Tahiti on the Air: F08AA (7.1)
2 a.m.—Voice of Hawaii, native soloists and instrumentalists: KQII (14.92) KKH

Times given are Eastern Daylight Time. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

A SPECIAL dispatch from Radio Press Service advises me that the new 25,000-watt Swiss Government short-wave station recently completed at Schwarzenburg, Switzerland, was destroyed by fire on the evening of July 6. Two years of labor in building and equipping the station have been lost. The transmitter was the most modern in all Europe and was to have been officially inaugurated on July 15. Initial tests with transmissions beamed on North America had been remarkably successful, and Swiss residents in this country were delighted with the prospects of regular programs from their homeland. Although the losses are estimated at more than a million Swiss francs, it is said plans will be drawn up immediately for a new station to replace the one destroyed. In the meantime, special transmissions from Switzerland will be continued over the League of Nations stations at Prangins.

A panorama of Hawaii, capturing all the charm and beauty of the Pacific isle in native music and song, featuring outstanding native vocalists and instrumentalists, is being presented weekly from Honolulu, Sunday nights at 10 p.m. EDT, over short-wave station KQH (14.92).

Earl Roberts of Indianapolis, Ind., sends me the following official list giving the new call letters for all short-wave broadcast stations in Colombia: HJCN (4.745), 750 watts, La Voz de Colombia, Bogota; HJEH (4.755), 1,000 watts, FF. CC. Nacionales, Buenaventura; HJFB (4.765), 5,000 watts, Manizales (under construction); HJGB (4.775), 750 watts, Bucaramanga; HJAB (4.785), 750 watts, Barranquilla; HJFI (4.795), 750 watts, Ibague; HJDU (4.805), 250 watts, Medellin; HJBB (4.815), 600 watts, Cucuta; HJED (4.825), 750 watts, Cali; HJAE (4.835), 500 watts, Cartagena; HJCD (4.845), 1,000 watts, Bogota; HJCF (4.855), 750 watts, Bogota; HJBJ (4.865), 750 watts, Santa Marta; HJFH (4.875), 600 watts, Armenia; HJDP (4.885), 5,000 watts, Medellin; HJCH (4.895), 750 watts, Bogota; HJAG (4.905), 1,000 watts, Barranquilla; HJFC (4.915), 500 watts, Pereira; HJAP (4.925), 600 watts, Cartagena; HJCT (4.935), 5,000 watts, Bogota. The last named station is a non-commercial educational broadcast station which will soon be inaugurated by the Government.

A new Venezuelan station, YVIRT (4.765) of Maracaibo, is being heard nightly to 10:30 p.m. EDT. Other new Venezuelan stations under construction or to be built soon, as given in the latest list from Bern, are as follows: YV6RE (4.78), Barcelona, 500 watts; YV5RR (4.83), Caracas, 5,000 watts; YV6RQ (4.86), S. Fernando, 500 watts; YV5RT (4.98), Caracas, 10,000 watts; YV4RK (5.000), Maracay, 10,000 watts, and YV4RZ (5.03), Maracay, 10,000 watts.

SHORT-WAVE SHORTS: According to Short Wave Magazine, "Radio Sofia" (9.2) at Sofia, Bulgaria, is being heard until 2:45 a.m. and on Sundays near 9:15 a.m. EDT. After several days absence from the air due to transmitter trouble, SPW (13.835) at Warsaw, Poland, is again broadcasting nightly from 7 to 10 n.m. EDT. The new Motala, Sweden, short-wave transmitter is broadcasting daily as SBT (15.155) from 2 to 5:15 p.m. in parallel with SBP (11.705), and as SBU (9.535), from 5:15 to 6:05 p.m. EDT, in parallel with SBO (6.065). The call for "Radio Leo" (6.14), at Leopoldville, Belgian Congo, is O2AA. Jack Wells of Phoenix, Ala., writes that JWV3 (11.725) of Tokyo, Japan, relays the

programs of the Japanese Broadcasting Corporation almost daily from 5 to 9 a.m., giving the news in English at 5:55 a.m. EDT. KZHS (9.58), another new station located at Manila in the Philippines, is on the air daily from 7 a.m. EDT on. Reports on reception are solicited and these should be sent to P. O. Box 119. ZHJ of Penang, Straits Settlement, has shifted in frequency to 6.085 megs, where it is believed to be broadcasting with an increased power of 500 watts. R. B. Oxrieder of Corozal, Canal Zone, reports that HCK of Quito, Ecuador, has shifted in frequency to 5.36 megs. The 100-watt short-wave transmitter WIOXAD, aboard the schooner *Effie M. Morrissey*, now making its annual voyage to the Arctic Circle, is licensed to operate on 6.425, 8.655, 9.135, 12.862 and 17.31 megs. The World Peace Foundation of Oakland, Calif., has requested a permit from the FCC for the construction of a 5,000-watt station to operate on 17.31, 12.862, 9.135, 8.655 and 6.425 megs. HC2ET (9.19), Guayaquil, Ecuador, operates weekdays from 9 to 11 p.m. and on Sundays from 9:30 to 11:30 p.m. EDT. The interval signal is a series of twelve chimes. One of television's greatest problems, that of providing studios with twice the light now required by the movies yet not subjecting articles to unberable heat, has been solved by General Electric engineers in its television station at Schenectady, New York, by the use of a battery of four new-type water-cooled quartz mercury-arc units containing twelve lamps having the light output equivalent to that provided by nearly 30,000 watts of incandescent light, at the same time giving off no appreciable amount of heat. The lamps are the size of a cigarette and have an exterior of quartz.

The following calls and frequencies are assigned to the 5,000-watt short-wave transmitter at Baghdad, Iraq: HNF (9.883), HNG (11.724), HNH (15.145), and HNI (17.815). HNF operates daily from 7 a.m. to 4 p.m. EDT.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shows)			
CHNX, Canada	8.13	OLRBA, Bohemia	16.23
COCQ, Cuba	8.85	OZF, Denmark	9.52
CSWT, Portugal	9.735	OZH, "	15.32
DJB, Germany	18.20	PC7, Holland	9.60, 15.22
DJD, "	11.77	PHI, "	17.775
DJI, "	15.11	RAN, U.S.S.R.	9.80
DJZ, "	11.80	RKE, "	18.88
EAG, Spain	8.88	RNE, "	12.80
EIRE, Ireland	17.84, 2.891	RW9, "	15.18
FOAAA, Tahiti	7.1	SBP, Sweden	11.309
GRK, England	9.69	SPW, "	11.85
GRY, "	9.60	TFJ, Ireland	12.22
GSA, "	8.05	TGWA, Guatemala	15.17
GSE, "	8.61	TOWB, "	8.49
GSC, "	9.53	TQ, "	8.195
GSD, "	11.75	TFPO, Costa Rica	9.812
GSE, "	11.88	TI4NRH, "	9.696
GSP, "	18.14	TPA2, France	16.24
GSG, "	17.79	TPA3, "	11.88
GSH, "	21.47	TPA4, "	11.71
GSI, "	15.28	TPB3, "	17.85
GSI, "	21.08	TPB11, "	11.885
GSO, "	18.18	VK7ME, Australia	9.59
GSP, "	18.21	VK3ME, "	9.51
GSV, "	17.81	VLR, "	9.88
HASS, Hungary	15.37	W3XAL, Boston, Mass.	9.24
HAT4, "	9.12	W3XAL, Boston, Mass.	15.25, 11.79, 8.94
HBT, Switzerland	14.505	W3XAL, Boston, Mass.	15.25, 11.79, 8.94
HBO, "	11.402	W3XAL, Boston, Mass.	15.25, 11.79, 8.94
HCI2B, Ecuador	14.43	XECR, Mexico, D.F.	7.55
HCI3B, "	14.48	XEUZ, "	8.12
HC2RL, "	9.305	XEWV, "	9.5
HPAA, Panama	11.7	XGOX, China	11.8
HP60, "	11.78	XGOY, "	11.9
HP61, "	8.80	XPSA, "	7.81
HPV, Vatican City	16.12, 9.68, 8.03	YV5RN, Venezuela	5.04
IRY, Italy	16.12, 9.68, 8.03	ZBWS, China	9.325
JLO3, Japan	11.705	ZIK3, Brit. Hond.	8.3
JZJ, "	11.80	ZL, S. Africa	6.285
JZK, "	18.18	ZR3, Italy	9.625
JZL, "	17.785	ZR04, "	11.81
LRA, Argentina	9.89	ZR08, "	15.30
LXX, "	8.98	ZR08, "	17.82
OAX4J, Peru	9.38	ZR09, "	8.67

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.

Daily Programs, Sat., Aug. 5 through Fri., Aug. 11

Programs listed here are those broadcast daily at the same time. Exceptions are indicated.

- 8 a.m.—Overseas hour: JZK
- 8:30 a.m. (ex. Sun.)—News (English): VLR
- 9 a.m.—English program: Radio Soteon (11.78)
- 9 a.m.—Classical music: DJL
- 9:15 a.m.—News: GSF GSG GSI
- 9:25 a.m.—News: JZJ JZK
- 10 a.m.—News (English): XGOY
- 11:30 a.m. (ex. Sun.)—News (English): W3XAL (6.06)
- 12 noon—News (English): GSF GSG GSI
- 1 p.m.—News (English): W3XAL (21.63) W3XL (17.78)
- 1 p.m.—International Hour: HP5G
- 1:30 p.m.—News (English): HP5G
- 1:45 p.m.—Maurice Esmond: TGWA (15.17)
- 2 p.m.—News (English): GSG GSI GSD
- 2:20 p.m.—News (English): 2R06
- 3:15 p.m.—News (French, German and Italian): GSA GRX
- 4 p.m.—Variety program: 2R06 2R09
- 5:20 p.m.—Dance music: TAP (9.465)
- 5:30 p.m. (ex. Sun.)—News (English): GSD GSP
- 6:45 p.m.—News (Spanish): W2XK (15.27) W3XAL (9.59 or 6.06)
- 7 p.m.—News (English): DJB DJD DJZ
- 7 p.m.—News (English): W3XA (26.45)
- 7:15 p.m. (ex. Sat., Sun.)—News (Portuguese): W2NE (15.27)
- 7:30 p.m.—News (English): HP5A
- 7:55 p.m.—North American transmission: OLH5A (15.23)
- 8 p.m.—News (Portuguese): GSD GSC
- 8 p.m. (ex. Sat.)—Program from Budapest: HAT4
- 8 p.m.—News (English): HP5A
- 8:10 p.m.—News (English): W6XBE (15.33)
- 8:30 p.m. (ex. Sat.)—News (English): HAT4
- 8:30 p.m.—News (English): 2R08 2R04 2R08 IRF
- 8:45 p.m. (ex. Sun.)—North American program: EAQ
- 9 p.m.—Overseas hour: JZL
- 9:10 p.m.—News (English): W6XBE (15.33)
- 9:30 p.m.—North American transmission: TPB11 TPA4
- 10 p.m.—News (English): W3XAL (9.67) W3XL (6.1)
- 10 p.m.—Program from Chungking, China: XGOX
- 11 p.m. (ex. Mon.)—Friendship Hour: HC1JB HC2JB
- 11:30 p.m.—News (English): XHUX
- 12:45 a.m. (ex. Sat.)—Program from South Africa: ZLM
- 1:30 a.m.—Overseas hour: JZK

Saturday, August 6

For programs broadcast daily see Daily Programs (Col. 3)

- 9 a.m.—Program from Siam: HS8PJ (9.51)
- 10 a.m.—Royal Welch Fusiliers' 250th Anniversary Ceremony: GSF GSG GSI
- 11 a.m.—Mail Bag: W3XAL (6.06)
- 11:15 a.m.—Music International: W2XAD (15.33)
- 1:30 p.m.—Parade of the States: W3XAL (21.63) W3XL (17.78)
- 3 p.m.—Variety Entertainment: GSG GSP GSI
- 4 p.m.—Mail Bag (English): TAP (9.465)
- 6 p.m.—News (English): RNE
- 6:30 p.m.—Concert Master: W2XAD (9.55)
- 7 p.m.—Military Band: HAT4
- 7:15 p.m.—University Quartet and Kaban Orah Gypsy Band: HAT4
- 8:30 p.m.—Concert Hall: W2XAD (9.55)
- 9 p.m.—Hour of Costa Rica: THY
- 9:30 p.m.—Information, Please: W4XA (26.15)
- 10 p.m.—Dance music: YV5RN
- 10 p.m.—English broadcast: TI4NRH
- 11 p.m.—Orquesta Progresista: TGWA (9.685) TGWB
- 11 p.m.—Moonlight musical: W3XL (6.1) W3XAL (9.67)
- 11:20 p.m.—English talk: TPB11 TPA4
- 12 mid.—Maurice Esmond: TGWA (9.685) TGWB
- 2 a.m.—DX Concert dedicated to International Listeners Association: TGWA (9.685) TGWB

Sunday, August 6

For programs broadcast daily see Daily Programs (Col. 3)

- 8:30 a.m.—Church services: YUC2 (4.88)
- 9 a.m.—Program from Denmark: OZH
- 10:15 a.m.—Falkonan's Apache Band: GSF GSG
- 12:10 p.m.—Symphonic Concert: DJB
- 1:45 p.m.—Request program: TGWA (15.17)
- 2:45 p.m.—Mail Bag (Italian): W3XAL (21.63) W3XL (17.78)
- 2:55 p.m.—Roman Catholic services: GSG GSP
- 3:30 p.m.—Latin American songs: TGWA (15.17)
- 4 p.m.—Radio El Mundo: LRX
- 4:05 p.m.—Alexander Woolcott: W2XAD (15.33)
- 4:30 p.m.—Mail Bag (French): W3XL (17.78) W3XAL (21.63)
- 5:30 p.m.—Let's Go to the World's Fair: W2NE (11.83)
- 6 p.m.—Short-wave Listener's Mail Bag: CHNX
- 7 p.m.—Mexican Hour: XECR XEWV
- 7:15 p.m.—Pan American program: W2XAD (9.55)
- 7:20 p.m.—Serial, "The Thirty-nine Steps": GSB GSD GSF

- 8 p.m.—League of Nations program: HBO (11.402) HBA (14.535)
- 8:30 p.m.—Press Review: DJB DJD DJZ
- 8:45 p.m.—Opera, "Norma": 2R03 2R04 2R08 IRF
- 9 p.m.—Cuban Band Concert: COCO (8.7)
- 9:15 p.m.—Talk, "The Stage in Italy": 2R03 2R04 2R08 IRF
- 9:30 p.m.—News (English): TGWA (9.685)
- 9:45 p.m.—Treasure Island Brazilian Orchestra: W6XBE (15.33)
- 10 p.m.—News: TGWA (9.685) TGWB
- 10 p.m.—Program, "La New York": COCX (11.735)
- 11 p.m.—Symphonic Concert: TGWA (9.685)
- 11:40 p.m.—Piano recital: GSB GSD GSI

Monday, August 7

For programs broadcast daily see Daily Programs (Col. 3)

- 10:30 a.m.—Maurice Esmond: W2XAD (15.33)
- 11:30 a.m.—Harry Evans: GSF GSG GSI
- 3:30 p.m.—New York World's Fair (German): W3XAL (21.63) W3XL (17.78)
- 4 p.m.—Symphony Concert: GSG GSP GSD
- 4:30 p.m.—Church in the Wildwood: W2XAD (15.33) W2XAF (9.53)
- 5 p.m.—Dance Hour: W2XAD (15.33)
- 5:30 p.m.—Mail Bag (Portuguese): W3XAL (21.63) W3XL (17.78)
- 6 p.m.—Science news: W2XAF (9.53)
- 7:30 p.m.—Tropical Mood: W2XAF (9.53)
- 7:55 p.m.—BBC Military Band: GSB GSD GSF
- 8:15 p.m.—Mail Bag (Spanish): W2XAF (9.53)
- 8:45 p.m.—Military Band: HAT4
- 9:30 p.m.—Light music: TPB11 TPA4
- 11:20 p.m.—English talk: TPB11 TPA4
- 12:30 a.m.—Salute to Cities: W3XAL (6.06)

Tuesday, August 8

For programs broadcast daily see Daily Programs (Col. 3)

- 10 a.m.—Rhythms of Today: W2XAD (21.5)
- 1:30 p.m.—Broadcast from Algiers: TPZ (8.96)
- 2:30 p.m.—Band of H. M. Royal Marines: GSG
- 4 p.m.—Band of the Concert Parties: GSG GSP
- 4:30 p.m.—Cabaret Series: W2XAD (15.33) W3XL (17.78)
- 6:45 p.m.—Pacific Paradise: W2XAD (9.55)
- 7:25 p.m.—Bevelly: GSB GSD GSF
- 8 p.m.—Army Band: W6XBE (15.33)
- 8:30 p.m.—NBC's Television Show: W2XBS (Night 45.25; Sound 49.75)
- 9:10 p.m.—Program from Ecuador: HC2RL (6.356)
- 9:30 p.m.—Play, "On the Spot": GSB GSD GSF
- 9:30 p.m.—Program for Spanish women: W2XE (11.83)
- 10 p.m.—English broadcast: TI4NRH
- 11 p.m.—Orquesta Progresista: TGWA (9.685) TGWB
- 12 mid.—Maurice Esmond: TGWA (9.685) TGWB

Wednesday, August 9

For programs broadcast daily see Daily Programs (Col. 3)

- 8 a.m.—Talk, "The Exhibition of Spanish Pictures at Geneva": GSF GSG GSI
- 12:15 p.m.—"World Affairs," Harold Butler: GSF GSG GSI
- 4:30 p.m.—Church in the Wildwood: W2XAD (15.33) W2XAF (9.53)
- 4:45 p.m.—Organ Reveries: W2XAD (15.33)
- 5:30 p.m.—Science Briefs: W2XAD (15.33) W2XAF (9.53)
- 5:45 p.m.—Band of H. M. Royal Horse Guards: GSD GSP
- 8 p.m.—Police Orchestra: HAT4
- 8 p.m.—North American Hour: ZIZ
- 8:45 p.m.—Selections from operettas: 2R03 2R04 2R08 IRF
- 11 p.m.—Opera, "Otello," Verdi: TGWA (9.685) TGWB
- 1 a.m.—Happy Felton's Orchestra: W3XAL (6.06)

Thursday, August 10

For programs broadcast daily see Daily Programs (Col. 3)

- 10 a.m.—Royal National Eisteddfod of Wales: GSF GSG GSI
- 11 a.m.—Melody Matinee: W3XAL (21.63) W3XL (17.78)
- 4 p.m.—Play, "On the Spot": GSG GSP GSD
- 8 p.m.—Musica Classica: W2NE (11.83)
- 8:30 p.m.—NBC's Television Show: W2XBS (Night 45.25; Sound 49.75)
- 8:45 p.m.—Selections from operas by Wolf Ferrari: 2R03 2R04 2R08 IRF
- 8:45 p.m.—Gypsy Cserba Gypsy Band: HAT4
- 9:05 p.m.—Toronto Prose and Symphony Orchestra: W2XAD (9.55) W2XAF (9.53)
- 9:30 p.m.—Melodies by Vincent d'Indy: TPB11 TPA4
- 10 p.m.—English broadcast: TI4NRH
- 11 p.m.—Chamber music: TGWA (9.685) TGWB

Friday, August 11

For programs broadcast daily see Daily Programs (Col. 3)

- 10 a.m.—Plymouth Palace Theater Orchestra: GSF GSG GSI
- 3:10 p.m.—Scenes from "The Old Ladies": GSG GSP GSD

(Continued on Next Page)

ON SHORT WAVES

(Continued from Preceding Page)

- 4:30 p.m.—Recital by Richard Tauber: GSD GSP
8 p.m.—Bela Keler Symphony Orchestra: HAT4
8:30 p.m.—NBC's Television Show: W2XBS
(Night 45.25; Sound 49.75)
8:45 p.m.—Military Band: HAT4
8:45 p.m.—Guest Night: 2I003 2I004 2I006 1HF
9:15 p.m.—Amy Bernardy: 2I003 2I004 2I006 1HF
10:30 p.m.—Treasure Island Brazilian Orchestra:
W6XBE (15.33)
11 p.m.—Moonlight Music: W3XAL (9.67) W3XL
(6.1)
11:30 p.m.—Comedy, "Stick in the Mud": GSB
GSD GSI
12:30 a.m.—Popular music: TGWA (9.685) TGWH
2 a.m.—Voice of Hawaii; native soloists and in-
strumentalists: KQH (14.92) KH11
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Times given are Eastern Daylight Time. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

ON SATURDAY, August 12, the forty-fifth season of Promenade Concerts opens at Queen's Hall, London. The conductor, as always, will be beloved Sir Henry J. Wood, with the BBC Symphony Orchestra of ninety players, led by Paul Beard. Frank Titterton, tenor, and Moiseiwitsch, pianist, will appear in the first of the forty-eight concerts, which, starting at 3 p.m. EDT, will be broadcast over Daventry stations GSG, GSP and GSD. . . . The dramatic story of the gigantic undertaking of the reclaiming of the Zuider Zee, a project that will ultimately reclaim over 480,000 acres of land for Holland, will be told on Monday, August 14, at 9:30 p.m. EDT, over Daventry stations GSB, GSD and GSF.

H. V. Kaltenborn, veteran CBS news analyst, is paying a flying visit to Europe's capitals, where he will interview leading statesmen to secure first-hand information concerning conditions abroad. He will be heard, speaking from London, Sunday at 10:30 p.m. and Tuesday at 10:30 p.m. EDT, over CBS short-wave station W2XE (11.83) and the network.

August Balbi of Los Angeles, Calif., reports reception of HNF (9.683), Baghdad, Iraq, almost daily from 9 to 10:30 a.m. EDT. . . . 2RO16 (21.51), a new frequency for the Rome, Italy, short-wave station, is now in use daily from 10 to 10:55 a.m. EDT.

The new 20,000-watt overseas station at Hsingking, Manchoukuo, is being received with tremendous volume on the Pacific coast, daily from 2:30 to 3:20 a.m. EDT. This transmission, which is beamed on the United States, Mexico and Hawaii, is broadcast under the call MTCY on a frequency of 11.775 megs. Ashley Walcott of San Francisco, Calif., states these programs are entirely in English, and consist of news, talks, and occidental music, the transmissions being introduced and concluded with a melody of chimes. The announcer requests reports on reception, giving the address as the Short-wave System, the Central Broadcasting Station, Hsingking, Manchoukuo.

P. J. Montenegro of Caracas, Venezuela, writes that the following new stations are now in operation on the new tropical short-wave broadcast band: YV5RW (3.4), "Radio Tropical," Caracas; YV5RV (3.5), "Emisora Vargas," La Guaira, and YV3RF (3.49), "La Voz del Llano," Caracas.

SHORT-WAVE SHORTS: XEDQ, Guadalajara, Mexico, has shifted in frequency to 9.517 megs. . . . The new Motala, Sweden, transmitter SBT has replaced experimental station SM5SX on 15.155 megs. . . . The Louisville Times Company of Eastwood, Ky., has been granted a construction permit for a 500-watt facsimile broadcast station to operate on 25.25 megs. . . . You can now pick up your telephone and ask the long-distance operator to connect you with Singapore. This is made possible through the opening recently of a short-wave telephone circuit between Malaya and the United States. . . . R. B. Oxrieder of Corozal, Canal Zone, reports hearing a new station, YN1IP, Instituto Pedagogico, Managua, Nicaragua, broadcasting on a frequency of 7.284 megs. . . . DJP (11.855) is now broadcasting the regular evening program from Germany, in parallel with DJD (11.77), DJB (15.2) and DJZ (11.801). . . . SP19 of Warsaw, Poland, has been broadcasting irregularly on a new frequency of 15.16 megs, from 9 to 10 p.m.; SP25 (11.74), Warsaw, has been testing irregularly from 1:45 to 3 a.m. EST. . . . C. H. Hodge of Long Beach, Calif., writes the mystery station on 15.41 megs, nightly from 10:30

to 11:30 p.m. EDT, is undoubtedly Soviet. . . . HS8PJ (9.51), Bangkok, Siam, is now operating daily except Mondays from 8 to 11 a.m., while HS6PJ (19.02) is operating Mondays only from 9 to 11 a.m. EDT, but expects to increase its hours on the air soon. . . . According to the Newark News Radio Club, a new station, HHK, "Radio Haiti," power of 25,000 watts, is now under construction near Port-au-Prince. It will, when completed, operate on frequencies of 6.2, 9.62, 11.82, 17.85, and 21.07 megs. . . . Latest information from Finland reports that the power of the new Finnish short-wave station, which is being built for the express purpose of broadcasting next year's Olympic Games to the world, will be 100,000 watts. . . . Roger Legge of Binghamton, N. Y., recently heard amateur VQ2CM (14.03) in Northern Rhodesia, state that an elephant had been killed a short distance from his shack just two weeks before.

The new operating schedule for CBS international station W2XE of New York City is as follows: On 17.83 megs, Mondays through Fridays, from 8:15 to 10 a.m. and from 1 to 6 p.m., Saturdays and Sundays, from 8:15 a.m. to noon and from 12:30 to 6 p.m.; on 15.27 megs, daily from 8:30 to 8:30 p.m.; on 11.83 megs, daily from 9 to 11:30 p.m., and on 6.12 megs, daily from 12 midnight to 1 a.m. EDT.

The latest schedule of the Chinese Central short-wave stations XGOX-XGOY at Chungking is given as follows in an official communication from the China Information Bureau: Over XGOY (11.9), daily from 6:30 to 8:20 a.m. for eastern U. S. S. R. and north-eastern China; from 8:20 to 9 a.m. for Japan; from 9 a.m. to noon for South China; from 12:10 to 12:30 p.m. for the U. S. S. R.; from 3 to 4:20 p.m. for China, and from 5:30 to 7:20 p.m. for Europe, and over XGOX (17.8), nightly from 10 to 11:30 p.m. EDT, for North America.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHNK, Canada	6.13	OLR8A, Bohemia	15.27
COCB, Cuba	8.85	OZF, Denmark	9.62
CSWT, Portugal	9.736	OZM, "	15.29
DJB, Germany	15.20	PCJ, Holland	9.59, 15.22
DJD, "	11.77	PRL, "	17.776
DJE, "	15.11	RAN, U.S.S.R.	9.60
DJZ, "	11.80	RNI, "	15.40
EAG, Spain	9.88	RNE, "	12.00
EIRE, Ireland	17.84	RW99, "	15.13
FOAAA, Tahiti	7.1	SBP, Sweden	11.705
GRX, England	9.69	SPD, Poland	11.40
GRY, "	9.70	SPW, "	12.04
GSA, "	8.85	TZF, Iceland	12.83
GSB, "	9.51	TOWA, Queensland	15.17
GSC, "	9.58	TOWB, "	6.69
GSD, "	11.75	TOZ, "	8.195
GSE, "	15.90	TIPG, Costa Rica	8.619
GSH, "	9.74	TPA3, France	9.588
GSI, "	17.19	TPA4, "	11.81
GSK, "	9.47	TPA4, "	11.71
GSL, "	15.28	TPB3, "	17.85
GSM, "	21.58	TPB11, "	11.885
GSO, "	15.18	VK3ME, Australia	9.49
GSP, "	15.31	VK3ME, "	9.51
GSV, "	17.81	VLR, "	9.58
HAS9, Hungary	15.37	W1XAL, Boston, Mass.	15.25, 11.78, 8.04
HATA, "	9.12	W1XAR, Boston, Mass.	11.73, 15.12
HBJ, Switzerland	14.523	XECH, Mexico, D.F.	7.39
HBO, "	11.402	XEVE, "	8.12
HC17B, Ecuador	14.43	XEWV, "	9.1
HC27B, "	12.48	XOXY, China	17.8
HC37B, "	9.95	XPSA, "	7.01
HPAA, Panama	11.7	YV5RV, Venezuela	8.04
HP50, "	11.75	ZBWB3, China	8.08
HP63, "	8.99	ZIKG, Brit. Head.	9.5
HVT, Valparaiso City	15.12, 9.66, 8.03	ZLH, S. Africa	9.01
IRF, Italy	9.83	ZRO3, Italy	9.639
JL65, Japan	11.703	ZRO4, "	11.81
JZK, "	11.80	ZRO4, "	15.20
JZL, "	15.16	ZRO9, "	17.82
JZL, "	17.785	ZRO9, "	9.87
LRA, Argentina	9.63		
LXK, "	8.66		
OAK47, Paris	9.91		

Short-wave programs of American stations are shown along with the regular listings beginning on page 19. 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.

Daily Programs, Sat., Aug. 12, through Fri., Aug. 18

Programs listed here are those broadcast daily at the same time. Exceptions are indicated.

- 8 a.m.—Transmission to Asia: W6XBE (9.53)
- 8:30 a.m.—News (English): W6XBE (9.53)
- 9 a.m. (ex. Sun.)—News (English): W3XAL (21.63) W3XL (17.78)
- 9 a.m.—News: FIH PCI (15.22)
- 9 a.m.—Overseas Hour: JZK
- 9:15 a.m. (ex. Sun.)—Golden Gate Exposition Straller: W6XBE (9.53)
- 9:30 a.m.—Program from Ireland: EIRE (17.84)
- 10 a.m. (ex. Sun.)—News (Spanish): W2XAD (21.5)
- 10:30 a.m.—News (English): W6XBE (9.53)
- 12 noon (ex. Sun.)—News (English): 2RO6 (17.78)
- 1 p.m.—International Hour: HP5G
- 1:17 p.m.—Arabic program from London: GSP
- 1:30 p.m.—News (English): W9XA (26.45) W4XA (26.15)
- 2 p.m.—News (English): GSB GSI GSD
- 2 p.m.—News (Italian): W3XAL (21.63) W3XL (17.78)
- 3 p.m.—News (German): W3XAL (21.63) W3XL (17.78)
- 3 p.m.—News (German): W3XAL (21.63) W3XL (17.78)
- 3:15 p.m.—News (French, German and Italian): GSA GRX
- 4 p.m.—News (French): W3XAL (21.63) W3XL (17.78)
- 4 p.m.—Variety program: 2RO6 2RO9
- 5 p.m. (ex. Sun.)—News (French, German and Italian): W2NE (17.83)
- 6 & 9 p.m. (ex. Sun.)—News (Spanish): W3XL (17.78) W3XAL (9.67)
- 6:45 p.m.—Program from Portugal: CSW7
- 7 p.m.—Polish program: SPW SPD
- 7:15 p.m.—News (English): 2RO9
- 7:15 p.m. (ex. Sat., Sun.)—News (Portuguese): W2NE (15.27)
- 7:30 p.m.—News (English): HP5A
- 7:30 p.m.—News (Spanish): GSO GSC
- 7:55 p.m.—North American transmission: OLR5A (15.23)
- 8 p.m.—News (Spanish): W6XBE (15.33)
- 8 p.m. (ex. Sat.)—Program from Budapest: HAT4
- 8 p.m.—Soviet program: RAN RNI RV96
- 8:30 p.m.—News (English): W4XA (25.15)
- 8:30 p.m. (ex. Sun.)—Today in Germany: DJB DJD DJZ
- 8:45 p.m. (ex. Sun.)—North American program: EAQ
- 9 p.m.—Program from Nassau, Bahamas: ZNS (6.09)
- 9 p.m.—Overseas Hour: JZL
- 9:15 p.m.—News (English): DJB DJD DJZ
- 9:30 p.m.—North American transmission: TPB11 TPA4
- 10 p.m.—Program from Chungking, China: XGOX
- 10:30 p.m.—North American transmission: OZF
- 11 p.m. (ex. Mon.)—Friendship Hour: HC17B HC27B
- 11 p.m.—News (English): TPB11 TPA4
- 11:30 p.m.—News (English): XEUX
- 12 mid. (ex. Wed., Fri.)—Marimba concert: TGWA (9.685)
- 12:45 a.m. (ex. Sat.)—Program from South Africa: ZLR

Saturday, August 12

For programs broadcast daily see Daily Programs (Col. 3)

- 9:45 a.m.—Mail Bag: W6XBE (9.53)
- 11:30 a.m.—Quentin Maclean, organist: GSF GSG GSI
- 1:30 p.m.—Parade of the States: W3XAL (21.63) W3XL (17.78)
- 3 p.m.—Opening Night of the Forty-fifth Season of Promenade Concerts: GSG GSP GSD
- 4 p.m.—English Mail Bag: TAP (9.465)
- 5:15 p.m.—Newark News Radio Club program: W2XJ1 (26.3)
- 6 p.m.—News (English): RNE
- 6:15 p.m.—El Chico's Orchestra: W2XAD (9.55)
- 6:30 p.m.—Concert Master: W2XAD (9.55)
- 7:15 p.m.—Dance music: DJB DJD DJZ
- 7:30 p.m.—Operetta, "Popourri from Cipayuri-mus": HAT4
- 8:30 p.m.—Concert Hall: W2XAD (9.55)
- 9 p.m.—North American program: SBP (11.705)
- 9:30 p.m.—Songs of the Day: TPB11 TPA4
- 10 p.m.—Chopin recital: GSB GSD GSP
- 10 p.m.—Saturday Theater: LRX
- 10 p.m.—Bus Trip Through the Alps: DJB DJD DJZ
- 10:15 p.m.—Hohenberger Band: DJB DJD DJZ
- 11 p.m.—Orquesta Progresista: TGWA (9.685) TGWB
- 11 p.m.—Moonlight musicale: W3XAL (6.1) W3XAL (9.67)
- 12 mid.—Marimba music: TGWA (9.685) TGWB

Sunday, August 13

For programs broadcast daily see Daily Programs (Col. 3)

- 8:30 a.m.—Church services: VUC2 (4.88)
- 9 a.m.—Program from Denmark: OZH
- 10:15 a.m.—Band of H. M. Royal Horse Guards: GSF GSG GSI
- Noon—Weekly survey: 2RO6
- 1:45 p.m.—Marimba Ensemble: TGWA (15.17)

- 2:45 p.m.—Mail Bag (Italian): W3XAL (21.63) W3XL (17.78)
- 3:30 p.m.—Mail Bag (German): W3XAL (17.78) W3XAL (21.63)
- 3:45 p.m.—Piano Recital by Joan Davies: GSG GSP GSD
- 4:30 p.m.—Mail Bag (French): W3XAL (17.78) W3XAL (21.63)
- 5:30 p.m.—Let's Go to the World's Fair: W2NE (11.83)
- 6 p.m.—Short-Wave Listeners' Mail Bag: CHNK
- 6:15 p.m.—Canadian Grenadier Band: W2XAD (9.55)
- 7:15 p.m.—Pan American program: W2XAD (9.55)
- 7:20 p.m.—Serial, "Thirty-Nine Steps": GSB GSD
- 8 p.m.—Hungarian songs: HAT4
- 8:30 p.m.—News (English): GSB GSD GSF TGWA (9.685)
- 8:45 p.m.—Opera, "La Favorita": 2RO3 2RO4 2RO8 IRF
- 9 p.m.—Cuban band concert: COCO (8.7)
- 9:25 p.m.—Netherlands program: PCI (9.59)
- 9:30 p.m.—Variety concert: DJB DJD DJZ
- 9:45 p.m.—Special Transmission to the "Canstatler Volksfest" in Cleveland, Ohio: DJB DJD DJZ
- 10 p.m.—Short-Wave Listeners' Mail Bag: CHNK
- 11 p.m.—Symphonic concert: TGWA (9.685)
- 11:20 p.m.—Play, "Trust a Woman": GSB GSD GSI
- 12 mid.—Marimba dance music: TGWA (9.685)

Monday, August 14

For programs broadcast daily see Daily Programs (Col. 3)

- 10:30 a.m.—Nonesat Musicale: W2XAD (21.5)
- 11:30 a.m.—Dudley Beaven, organist: GSF GSG GSI
- 3:30 p.m.—"New York World's Fair" (German): W3XAL (21.63) W3XL (17.78)
- 4:15 p.m.—Moosehole Male Choir: GSG GSP GSD
- 4:45 p.m.—Mail Bag (French): W3XAL (21.63) W3XL (17.78)
- 5 p.m.—Dance Hour: W2XAD (15.33)
- 5:30 p.m.—Mail Bag (Portuguese): W3XAL (21.63) W3XL (17.78)
- 5:45 p.m.—Cricket: Gloucestershire vs. the West Indies: GSD GSP
- 6 p.m.—Science news: W2XAF (9.53)
- 7 p.m.—English program: Radio Martinique (9.7)
- 7:30 p.m.—Tropical Moods: W2XAF (9.53)
- 7:45 p.m.—Variety program: HIBO HIBJ
- 8 p.m.—Goldman Band: W6XBE (15.33)
- 8:15 p.m.—Mail Bag (Spanish): W2XAF (9.53)
- 8:30 p.m.—Hungarian songs: HAT4
- 9:15 p.m.—Popular Hungarian songs: 2RO3 2RO4 2RO8 IRF
- 9:30 p.m.—Mail Bag: 2RO3 2RO4 2RO8 IRF
- 10:15 p.m.—Harvest dances: DJB DJD DJZ
- 11 p.m.—Military Band Concert: TGWA (9.685) TGWB
- 12 mid.—Marimba Ensemble: TGWA (9.685) TGWB

Tuesday, August 15

For programs broadcast daily see Daily Programs (Col. 3)

- 10 a.m.—Rhythms of Today: W2XAD (21.5)
- 10:45 a.m.—Lieder Recital: GSF GSG GSI
- 2:30 p.m.—Little Variety Show: W2XAD (15.33)
- 3 p.m.—Promenade Concert: BBC Symphony Orchestra, Sir Henry J. Wood, conductor: GSP GSG GSD
- 4:30 p.m.—Cabinet Series: W2XAD (15.33) W3XL (17.78)
- 5:45 p.m.—Human Interest Editorials: W2XJ1 (26.3)
- 6:15 p.m.—Ona Dobrindt Band: DJB DJD DJZ
- 8 p.m.—Post Orchestra: HAT4
- 8:45 p.m.—Tuesday Symphonies: 2RO3 2RO4 2RO8 IRF
- 9:10 p.m.—Program from Ecuador: HC2RL (6.356)
- 9:30 p.m.—Band Concert: 2RO3 2RO4 2RO8 IRF
- 9:45 p.m.—Happy Program: PCI (9.59)
- 10 p.m.—English broadcast: THXRH
- 10:15 p.m.—Kubrick Opera: DJB DJD DJZ
- 10:45 p.m.—Musical romance, "Golden Rose": GSB GSD GSI
- 11:10 p.m.—Technical Tips for the Radio-fan: DJB DJD DJZ
- 12 mid.—Marimba Ensemble TGWA (9.685) TGWB

Wednesday, August 16

For programs broadcast daily see Daily Programs (Col. 3)

- 10 a.m.—Organ melodies: W2XAD (21.5)
 - 11:30 a.m.—"Shows from the Seaside": GSF GSG GSI
 - 12:15 p.m.—"World Affairs," H. Wickham Steed: GSF GSG GSI
 - 2:30 p.m.—Exfield Central Band: GSG GSP GSD
 - 4:10 p.m.—BBC Orchestra: GSG GSP GSD
 - 4:45 p.m.—Organ Reveries: W2XAD (15.33)
 - 5:30 p.m.—Science Briefs: W2XAD (15.33) W2XAF (9.53)
 - 8 p.m.—Selections from old operettas: GSB GSD GSI
 - 8:45 p.m.—Press Review: DJB DJD DJZ
 - 8:45 p.m.—Light music: 2RO3 2RO4 2RO8 IRF
 - 10:45 p.m.—"Paradise Isle": GSB GSD GSI
 - 11:20 p.m.—English Message: TPB11 TPA4
- (Continued on Next Page)

ON SHORT WAVES

(Continued from Preceding Page)

Thursday, August 17

For programs broadcast daily see Daily Programs (Col. 2)

- 10:15 a.m.—Lucky Dip: GSF GSG GSI
12:15 p.m.—"Masters of Moment," Sir Stanley
Reed: GSF GSG GSI
2:30 p.m.—Stanley Tudor, organist: GSG GSF
GSD
6:30 p.m.—I Knew a Man: GSD GSF
7:15 p.m.—Entertainment and dance: DJB DJD
DJZ
8 p.m.—Musica Classica: W2XE (15.27)
8 p.m.—Military Band: HAT4
8:30 p.m.—NBC's televised movies: W2XBS (Sight
45.25; Sound 49.75)
8:45 p.m.—Selections from operas: 2RO3 2RO4
2RO8 1RF
9:15 p.m.—Just Talking About Cooking: 2RO3
2RO4 2RO8 1RF
9:30 p.m.—Chamber music: TP111 TPA4
10 p.m.—English lessons: W4XB (6.04)
10:15 p.m.—German-Italian-Hungarian Military
Concert: DJB DJD DJZ
10:45 p.m.—"By the Fireside": GSB GSD GSI
12 mid.—Marimba Band: TGWA (9.685)

Friday, August 18

For programs broadcast daily see Daily Programs (Col. 2)

- 10 a.m.—John B. Hughes, commentator: W6XBE
(9.53)
10 a.m.—Western Cabaret: GSF GSG GSI
3 p.m.—Promenade Concert: BBC Symphony Or-
chestra, Sir Henry J. Wood, conductor: GSG
GSF GSD
4:30 p.m.—Lloyd Thomas, organist: GSG GSF
GSD
6 p.m.—Professor Zilch: DJB DJD DJZ
7:15 p.m.—Evening Concert: DJB DJD DJZ
8:30 p.m.—Hungarian songs: HAT4
8:45 p.m.—Ballad music: GSI GSD GSF
8:45 p.m.—Guest Night: 2RO3 2RO4 2RO8 1RF
9:15 p.m.—Amy Bernardy: 2RO3 2RO4 2RO8 1RF
10 p.m.—Thousand Years of German History:
DJB DJD DJZ
10:45 & 11:15 p.m.—Transmissions of New York
World's Fair Radio Club: Amateurs on all
amateur bands
12 mid.—English Hour: XENA (6.175)
12:30 a.m.—Popular music: TGWA (9.685) TGWB

On Short Waves: Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are Eastern Daylight Time. For EST and CDT subtract 1 hour; CBT, 2 hours; MST, 3 hours; PST, 4 hours.

THE new type "frequency modulated" radio broadcasts will be filling the air in this country within the next year, Dr. W. R. G. Baker, head of General Electric's radio and television division, predicts.

Frequency modulation, one of the latest developments in the field of radio, makes possible for the first time practically static-free and man-made interference-free reception with a high fidelity that has hitherto been unattainable with the currently used "amplitude modulated" radio systems.

Present receivers will not be able to pick up frequency modulated broadcasts, and it will not be possible to change them so they can. The public need not fear that present-day radios will be obsoleted immediately, since "amplitude modulated" programs will continue to be broadcast for some time to come. Frequency modulation will be sold to the public at the outset as another band on a new receiver which will pick up both type broadcasts.

The frequency modulated system employs the use of ultra-short radio waves, and the signals broadcast travel only slightly beyond the distance of the horizon, according to Dr. Baker's explanation. This characteristic is said to be the open sesame for an almost unlimited number of broadcasting channels with plenty of room for nationwide chains and local stations galore.

Frequency modulated transmitters can be built for approximately one-fourth the cost of the usual station, and with the possibility of overcrowding the airwaves removed, many new broadcasters should crop up.

The Ebor Handicap, the national summer racing festival of the north of England, run on the attractive Knaresmire race course, just outside York, will be broadcast on Wednesday, August 23, at 9:55 a.m. EDT, over Daventry stations GSF, GSG and GSJ.

Effective since July 1, the revised schedule of overseas transmissions of the Broadcasting Corporation of Japan has been broadcast as follows: Daily, for China and the South Seas, from 8 to 10:30 a.m. over JZJ (11.8) and JZK (15.16); for Europe, from 3 to 5 p.m., over JZJ and JZK; for South America, from 5:30 to 6:30 p.m., over JZJ (9.535) and JZL (17.785); for the Eastern Districts of North America, from 9 to 10 p.m., over JZL, and for the Pacific Coast of North America, from 1 to 2:30 a.m. EDT, over JZK.

The following additional calls and frequencies have been assigned to the German short-wave stations: DXH (6.175), DXI (6.195), DXJ (7.24), DXK (21.57), DXL (21.73), DXM (7.27) and DXN (21.74).

According to Roger Legge of Binghamton, N. Y., the following frequencies and calls have already been assigned for use in the new 41-meter broadcast band (7.2 to 7.3 megs) which will be officially inaugurated on September 1: 2RO (7.24 and 7.27), Rome, Italy; CSW8 (7.26), Lisbon, Portugal; DJI (7.29), DXM (7.27) and DXJ (7.24), Zeelen, Germany; GSU (7.26) and GSW (7.23), Daventry, England; JIE (7.295), Hsingking, Manchukuo; JLG (7.285) and JVV (7.257), Tokyo, Japan; LLR (7.24), Oslo, Norway; OZU (7.26), Copenhagen, Denmark; TPB11 (7.28), Paris, France; 7.24 megs, for Belgrade, Yugoslavia; 7.21, 7.24, 7.27 and 7.29 megs, for India.

Alfred Tuff of London, England, writes that a new station at Leopoldville in the Belgian Congo is operating on optional frequencies of 13.17 or 9.525 megs, from 6:25 to 8 a.m. EDT,

with a power of 250 watts. The call is believed to be OQ2AA . . . A new transmitter at Damascus, Syria, is being heard by listeners in England, operating on a frequency of 12.295 megs, daily from 2 to 3 p.m. EDT.

With new technical features that make them the most modern of television relay stations, the NBC mobile units are now in service again, providing New York televiewers with outdoor programs on Wednesdays, Fridays and Saturdays at 4 p.m. EDT. A second iconoscope camera was installed in the telemobiles. Evening studio programs will again be resumed on Tuesday, August 29, over W2XBS. At present, the Tuesday, Thursday and Friday evening programs are being given over to the telecasting of notable film releases of recent years; for example, "The Marines Are Coming" will be shown on Tuesday, August 22, at 8:30 p.m. EDT, while "Abraham Lincoln" will be shown at the same time on Thursday, August 24 . . . Television transmissions on a regular scheduled basis have been inaugurated by the Italian Broadcasting Corporation at Rome, Italy.

How many listeners heard ultra-high frequency station W2XGB of New York City attempting to communicate with the planet Mars on Thursday, July 27, from 11:15 to 11:30 p.m. EDT?

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHNX, Canada	6.13	GLSSA, Bohemia	18.25
COCQ, Cuba	8.80	GZF, Denmark	9.32
CBWT, Portugal	9.73	GSJ, "	16.55
DJB, Germany	18.80	POJ, Holland	9.84, 18.80
DJP, "	11.77	PKI, "	17.725
DJZ, "	12.11	RAN, U.S.S.R.	0.60
DJZ, "	11.80	RKI, "	18.08
EAG, Spain	9.84	RNE, "	18.00
EIRE, Ireland		RW6, "	18.18
	17.84, 9.89	SBP, Sweden	11.785
FOAAA, Tabiti	7.1	SPD, Poland	11.82
GKX, England	9.69	SPW, "	13.64
GRV, "	9.69	TFJ, Iceland	18.32
OSA, "	6.04	TOWA, Guaymala	18.17
OSR, "	6.61	TOWB, "	6.49
OSG, "	6.84	TOF, "	6.191
OSD, "	11.78	TIPO, Costa Rica	9.612
OSE, "	11.83	TIANJIN, "	9.608
OSF, "	10.14	TPAS, France	15.91
GSO, "	17.78	TPA3, "	11.84
OSM, "	21.47	TPA4, "	11.71
OSL, "	18.36	TPB1, "	17.65
OSJ, "	21.16	TPB11, "	11.855
OSD, "	18.18	VKIME, Australia	9.69
OSF, "	18.51	VKJME, "	9.51
OSV, "	18.51	VLD, "	9.58
HASB, Hungary		WIXAL, Eastern, Mex.	
HAT4, "	9.12		18.25, 11.78, 8.94
HRT, Switzerland	14.573	WIXAR, Eastern, Mex.	
HBO, "	11.408		11.73, 18.15
HCJJB, Ecuador	14.45	XFCB, Mexico, D.F.	7.34
HCHB, "	10.48	XEUZ, "	6.12
HCHL, "	8.385	XEWV, "	9.3
HPSA, Panama	11.7	XOXX, China	17.8
HPSD, "	11.78	XOXY, "	11.2
HPSJ, "	9.60	XPSA, "	7.01
HVJ, Vatican City		YTSRN, Venezuela	8.04
	14.18, 9.68	ZBWS, China	9.695
IRY, Italy	9.83	ZIKS, Brit. Hind.	5.2
JLOS, Japan	11.70	ZIL, St. Kitts	6.265
JZJ, "	11.80	ZRL, So. Africa	0.61
JZK, "	18.16	ZRO3, Italy	9.635
JZL, "	17.785	ZRO4, "	11.81
LKA, Argentina	9.68	ZRO6, "	15.30
LBY, "	9.68	ZRO8, "	17.82
OAX47, Peru	9.54	ZRO9, "	9.87

Short-wave programs of American stations are shown along with the regular listings beginning on page 21. These 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.

Daily Programs, Sat., Aug. 19, through Fri., Aug. 25

Programs listed here are those broadcast daily at the same time. Exceptions are indicated.

8 a.m. (ex. Mon.)—Program from Bangkok, Siam: HSSPJ (9.51)

8:30 a.m.—News (English): W6XBE (9.53)

9 a.m.—English program: Radio Saigon (11.78)

9 a.m.—Classical music: DJI

9:15 a.m.—News (English): GSF GSG GSJ

9:30 a.m.—Program from Ireland: EIRE (17.84)

10 a.m. (ex. Sun.)—News (Spanish): W2XAD (21.5)

11:30 a.m. (ex. Sun.)—News (English): W8XAL (6.06)

12 noon—News (English): GSF GSG GSJ

1:17 p.m.—Arabic program: GSP

1:30 p.m.—News (English): HPSG

1:45 p.m.—Marimba Ensemble: TGWA (15.17)

2 p.m.—News (Italian): W3XAL (21.63) W3XL (17.78)

2:20 p.m.—News (English): ZRO6

3 p.m.—News (German): W3XAL (21.63) W3XL (17.78)

3:15 p.m.—News (French, German and Italian): GSA GRX

4 p.m.—News (French): W3XAL (21.63) W3XL (17.78)

4 p.m.—Variety program from Rome: ZRO6 ZRO9

5:20 p.m.—Dance music: TAP (9.465)

6 & 9 p.m. (ex. Sun.)—News (Spanish): W3XAL (9.67) W3XL (17.78)

6:45 p.m.—Program from Portugal: CSW7

7 p.m.—News (English): DJB DJD DJZ

7 p.m.—Polish program: SPW SPD

7:15 p.m. (ex. Sat., Sun.)—News (Portuguese): W2XE (15.27)

7:30 p.m.—News (Spanish): GSO GSC

7:55 p.m.—North American transmission: OLR5A (15.23)

8 p.m.—News (Spanish): W6XBE (15.33)

8 p.m.—News (Portuguese): W3XAL (21.63) W3XL (17.78)

8 p.m.—News (English): HPSA

8:30 p.m. (ex. Sat.)—News (English): HAT4

8:30 p.m. (ex. Sun.)—Today in Germany: DJB

8:45 p.m. (ex. Sun.)—North American program: EAQ

9:10 p.m.—News (English): W6XBE (15.33)

9:30 p.m.—North American transmission: TPB11 TPA4

10 p.m.—News (Spanish): GSO GSC

10 p.m.—Program from Chungking, China: XGOX

11 p.m. (ex. Mon.)—Friendship Hour: HCJJB HCJB

11:30 p.m.—News (English): XEUZ

12 mid. (ex. Wed., Fri.)—Marimba Concert: TGWA (9.685)

Saturday, August 19

For programs broadcast daily see Daily Programs (Col. 2)

7:30 a.m.—Cricket: England vs. West Indies: GSF GSG GSJ (also at 8:20, 10:45 a.m. and 1 p.m.)

11 a.m.—Mail Bag: W8XAL (6.06)

3 p.m.—Sing Song: GSG GSP GSD

4 p.m.—English Mail Bag: TAP (9.465)

6 p.m.—News (English): RNE

6:30 p.m.—Paradise Isle: GSD GSP

7 p.m.—Tourist Hour: HPSA

7:15 p.m.—Dance evening: DJB DJD DJZ

8:45 p.m.—Chamber music: ZRO3 ZRO4 ZRO8 IRF

9 p.m.—North American program: SBP (11.705)

9:25 p.m.—Play, "The Apple Tree": GSB GSD

10 p.m.—Dance music: YTSRN

10 p.m.—English broadcast: TIMRH

11 p.m.—Schneidefritz orchestra: W8XAL (6.06)

11 p.m.—Moonlight musicale: W3XAL (9.67) W3XL (6.1)

12 mid.—Marimba dance music: TGWA (9.685) TGWB

2 a.m.—International DX'ers Alliance Special Good-Will Program from Guatemala City: TGWA (9.685) TGWB

Sunday, August 20

For programs broadcast daily see Daily Programs (Col. 2)

9 a.m.—Program from Denmark: OZH

12:10 p.m.—Symphonic concert: DJB

1:45 p.m.—Marimba Ensemble: TGWA (15.17)

3:30 p.m.—Latin-American songs: TGWA (15.17)

4:30 p.m.—First Military Band Concert: TGWA (15.17) TGWB

5:05 p.m.—News (English): GSG GSP GSD

5:15 p.m.—Marimba music: TGWA (9.685) TGWB

6 p.m.—Short-Wave Listener's Mail Bag: CHNX

6:15 p.m.—Canadian Grenadier Band: W2XAD (9.55)

7:50 p.m.—London Palladium Orchestra: GSB

8 p.m.—University Choir: HAT4

8:30 p.m.—Antal Vazhely, organist: HAT4

8:45 p.m.—Opera, "Turandot": ZRO3 ZRO4 ZRO8 IRF

8:50 p.m.—Trinity Presbyterian Church, London: GSB GSD GSF

9:25 p.m.—Netherlands program: PCJ (9.59)

9:30 p.m.—Special Transmission for the Newark News Radio Club: DJB DJD DJZ

10 p.m.—News (English): TGWA (9.685) TGWB

10 p.m.—Short-Wave Listener's Mail Bag: CHNX

10 p.m.—New York World's Fair: W2XE (17.83)

10:50 p.m.—Songs "That Father Sang": GSB GSD

12 mid.—Marimba music: TGWA (9.685)

12:30 a.m.—Benny Strong's orchestra: W8XAL (6.06)

Monday, August 21

For programs broadcast daily see Daily Programs (Col. 2)

8:20 a.m.—Cricket: England vs. West Indies: GSF GSG GSJ (also at 11:30 a.m. and 1 p.m.)

2:45 p.m.—Hollywood News in English: W2XE (17.83)

3 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry Wood: GSG

4:30 p.m.—Church in the Wildwood: W2XAD (15.33) W2XAF (9.53)

5 p.m.—Dance Hour: W2XAD (15.33)

6 p.m.—Science news: W2XAF (9.53)

7 p.m.—English program: Radio Martinique (9.7)

7:25 p.m.—Ruth Oraper: GSB GSD GSF

7:30 p.m.—Tropical Moods: W2XAF (9.53)

8 p.m.—Military Band: HAT4

8:15 p.m.—Mail Bag (Spanish): W2XAF (9.53)

8:30 p.m.—Hungarian songs: HAT4

8:45 p.m.—Popular Italian songs: ZRO3 ZRO4

9:30 p.m.—Paul Carson, organist: W6XBE (15.33)

9:30 p.m.—Mail Bag: ZRO3 ZRO4 ZRO8 IRF

9:45 p.m.—North American transmission: HHO

10 p.m.—Germany by ABC: DJB DJD DJZ

10:15 p.m.—Special Transmission to Utah: DJB DJD DJZ

11:20 p.m.—Talk in English: TPB11 TPA4

Tuesday, August 22

For programs broadcast daily see Daily Programs (Col. 2)

8:20 a.m.—Cricket: England vs. West Indies: GSF GSG GSJ (also at 10 a.m. and 1 p.m.)

10 a.m.—Rhythms of Today: W2XAL (21.5)

3 p.m.—Navy Band: W2NE (17.83)

4:45 p.m.—Broadway and Hollywood (French): W3XAL (21.63) W3XL (17.78)

6:15 p.m.—Minni Balzer, pianist: DJB DJD DJZ

8:30 p.m.—Jeno Farkas Gypsy Band: HAT4

8:45 p.m.—Tuesday Symphonies: ZRO3 ZRO4 ZRO8 IRF

8:45 p.m.—Wedding Orchestra: HAT4

9:15 p.m.—Talk, "Antonio Vivaldi": ZRO3 ZRO4 ZRO8 IRF

9:30 p.m.—Coal and Iron, In Science and Practice: DJB DJD DJZ

9:45 p.m.—Happy program: PCJ (9.59)

10 p.m.—English broadcast: TIMRH

10:30 p.m.—Mail Bag (English): W3XAL (9.67) W3XL (6.1)

11 p.m.—Orquesta Progresista: TGWA (9.685) TGWB

11:25 p.m.—Message from Paris: TPB11 TPA4

12 mid.—Marimba Ensemble: TGWA (9.685) TGWB

Wednesday, August 23

For programs broadcast daily see Daily Programs (Col. 2)

8:20 a.m.—Cricket: England vs. West Indies: GSF GSG GSJ (also at 10:15 a.m. and 1 p.m.)

8:35 a.m.—Elizabethan Madrigals: GSF GSG GSJ

9:55 a.m.—Ebor Handicap: GSF GSG GSJ

10 a.m.—Organ melodies: W2XAD (21.5)

3 p.m.—All-Star Variety Show: GSG GSP GSD

4:30 p.m.—Church in the Wildwood: W2XAD (15.33) W2XAF (9.53)

5:30 p.m.—Concert Master: W2XAD (15.33) W2XAF (9.53)

7:15 p.m.—Musical Variety Hour: DJB DJD DJZ

8 p.m.—North American Hour from St. Kitts: ZIZ

8:45 p.m.—"World Affairs," H. H. Butler: GSB

8:45 p.m.—Press Review: DJB DJD DJZ

9 p.m.—Philharmonic Symphony Orchestra: W2XE (11.83)

9:30 p.m.—Hand Concert: ZRO3 ZRO4 ZRO8 IRF

10:15 p.m.—Recital of Wagnerian Operas: DJB (9.685) TGWB

11:15 p.m.—Opera, "Teuca," Putcini: TGWA (9.685) TGWB

11:20 p.m.—Message in English from Paris: TPA4 TPB11

1 a.m.—Happy Felton's orchestra: W8XAL (6.06)

Thursday, August 24

For programs broadcast daily see Daily Programs (Col. 2)

10:15 a.m.—Lucky Dip: GSF GSG GSJ

11 a.m.—Melody Machine: W3XAL (21.63) W3XL (17.78)

1:30 p.m.—Serial, "The Thirty-Nine Steps": GSG GSD GSI

6:30 p.m.—Dances and Songs from South America: DJB DJD DJZ

8 p.m.—Radio Orchestra: HAT4

8:30 p.m.—NBC's televised movies: W2XBS (Sight 45.25; Sound 49.75)

8:45 p.m.—Cards on the Table: GSB GSD GSF

9 p.m.—Brian Lawrence and His Sextet: GSB

9:15 p.m.—Tangor talk: ZRO3 ZRO4 ZRO8 IRF

10 p.m.—English lessons for Spanish listeners: W4XB (6.04)

10:45 p.m.—KBC Empire Orchestra: GSB GSD GSI

11:20 p.m.—Talk in English: TPB11 TPA4

Friday, August 25

For programs broadcast daily see Daily Programs (Col. 2)

10:30 a.m.—Band of H. M. Royal Horse Guards: GSF GSG GSJ

2:30 p.m.—"Crazy Quilt": GSG GSP GSD

6:45 p.m.—Carson Castle's Broadway Column in Spanish: W2XE (11.83)

8 p.m.—Military Band: HAT4

8:30 p.m.—NBC's televised movies: W2XBS (Sight 45.25; Sound 49.75)

8:45 p.m.—BRC Empire Orchestra: GSB GSD

9 p.m.—Matinee Melodies: W2XAD (9.55)

9:15 p.m.—Amy Bernard: ZRO3 ZRO4 ZRO8 IRF

9:30 p.m.—Waltzes and Marches: DJB DJD DJZ

10 p.m.—Zelesen's Women's Club: DJB DJD DJZ

10:45 & 11:15 p.m.—Transmissions of New York World's Fair Radio Club: Amateurs on all amateur bands

11 p.m.—Moonlight music: W3XAL (9.67) W3XL (6.1)

11:10 p.m.—Richard Cress's orchestra: GSB GSD

12 mid.—English Hour: XENA (6.175)

12:30 a.m.—Popular music: TGWA (9.685) TGWB

Times given are Eastern Daylight Time. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

SHORT-WAVE broadcasting in the United States is gradually advancing beyond the experimental stage. The latest move in this direction is the assignment of regular international broadcast calls to replace the purely experimental calls that have been in use by a number of our stations for several years. W2XAD of Schenectady, N. Y., now becomes WGEA; W2XAF of Schenectady, N. Y., becomes WGEQ; while General Electric's station W6XBE on Treasure Island, San Francisco, will now be known as KGEI. W8XK, pioneer station at Pittsburgh, Pa., has been reassigned the new call of WPIT; W3XAU in Philadelphia becomes WCAI, and Crosley's station W8XAL at Cincinnati, Ohio, will hereafter be recognized under the new call WLWO. RCA's twin stations W3XL and W3XAL and Columbia Broadcasting System's station W2XE are still using their experimental designations.

Chancellor Adolf Hitler's Tannenberg speech on Sunday, August 27, will be rebroadcast over the combined Blue and Red networks of the NBC and over international stations WGEA (21.5) and WPIT (21.54), from 6:30 to 7:30 a.m. EDT.

The Grand Duchy of Luxembourg, principally famous for its giant long-wave station "Radio Luxembourg," which daily floods England and France with commercial programs sponsored by manufacturers of British, French and even American products, advertising mention of which is of course not allowed over the stations of the British Broadcasting Corporation or the French network, will now have a giant short-wave station to increase its listening audience to world-wide proportions. Experimental transmissions from the new transmitter have already started. It will operate on frequencies of 6.09, 9.527, 11.782 or 15.35 megas, testing with first one wavelength then another at various hours of the day and night until the best frequencies have been decided upon for regular scheduled transmissions which will start about December 1. Reports on these transmissions are eagerly solicited and all letters should be addressed to "Radio Luxembourg," Wireless Publicity Ltd., Electra House, Victoria Embankment, London, W.C. 2.

Walter Butts of Worthington, Ohio, writes that EIRE, the Irish experimental short-wave station at Athlone, is now operating on the following revised schedule: On 17.84 megas, from 8:30 to 10 a.m.; on even dates of the month from 12:30 to 4:30 and from 5:30 to 6 p.m., and on odd dates of the month from 12:30 to 2:30 p.m.; and on 9.595 megas, odd dates of the month from 2:30 to 4:30 and from 5:30 to 6 p.m. EDT.

Radio in Spain has been completely reorganized and is now under the jurisdiction of General Franco's Department of Press and Propaganda. The following stations are said to be operating: "Radio Nacional" (7.5); Alcazarquivir (7.125); Ceuta (7.134); Cordoba (7.117); Huelva (7.037); Jaca (14.115 and 7.117); EAQ (9.86) and EAR (9.48); Madrid; Malaga (7.22 and 14.44); Melilla (7.19, 7.151 and 7.184); Oviedo (7.135); Saint Sebastian (7.2); Santander (7.16); Valladolid (7.006); Villa Sanjurjo (7.147); and Vitoria (11.091). EAQ (9.86), Madrid, is reported to be broadcasting daily from 3:30 to 4:30 and from 7:30 to 9:30 p.m. EDT, but only that portion of the program from 8:30 to 9:30 p.m. EDT is heard in North America with any degree of regularity.

According to the World DX Alliance, amateur station OQ5AA (14.04) is on the air daily from about 6 to 8:30 p.m. EDT. The operator's time is very limited due to the fact that he is supervising the construction of a hospital in the very heart of the Belgian Congo. Reports on this station should be sent to Dr. G. W. Westcott, Unevangelized Fields Mission, Ekoko via Bumba and Bunduki, Belgian Congo. It will take eighty-two days for your letter to get there.

SHORT-WAVE SHORTS: The Hurricane Network in the West Indies consists of the following amateur stations: CO7VP and CO6OM in Cuba; HI7G in the Dominican Republic; VP7NS in the Bahamas, and VP6YB in Barbados... George Saunders of Glendale, Calif., reports excellent reception of MTCY (11.775), Hsingking, Manchukuo, nightly from 2:30 to 3:15 a.m. EDT... NBC will install a 1,000-watt ultra-high frequency broadcast transmitter, to operate on 42.8 megas, at 350 Fifth Avenue, New York City... The Midland Broadcasting Company of Kansas City, Mo., has been granted a license for the operation of ultra-high frequency station W9XER, 500-watt power, on a frequency of 42.46 megas... The Cuban Government has authorized Senor Amado Trinidad Velasco of Santa Clara to construct a 5,000-watt short-wave station to operate in the 25-meter band.

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
CMNX, Canada	5.15	OAX4J, Peru	9.24
COCC, Cuba	8.89	OLR1A, Bohemia	15.22
CSWT, Portugal	9.725	OZF, Denmark	8.42
DJB, Germany	15.80	OZH, "	18.22
DJD, "	11.77	PCJ, Holland	9.88, 18.22
DJL, "	15.11	PHI, "	17.74
DJZ, "	11.80	RAN, U.S.S.R.	9.09
FAQ, Spain	9.84	RKI, "	18.08
KIRE, Ireland	17.84, 9.806	RKE, "	12.00
		RW96, "	18.15
FO5AA, Tahiti	7.1	SBP, Sweden	11.706
GNX, England	8.09	SFD, Poland	11.83
GRY, "	8.60	SPW, "	12.94
OSA, "	6.08	TFF, Iceland	12.23
OSK, "	9.48	TOWA, Ostrogothia	12.17
OSL, "	9.88	TOWB, "	8.48
OSD, "	11.75	TOR, "	6.190
OSE, "	11.80	TIPG, Costa Rica	9.812
OSF, "	12.14	TIANRH, "	9.990
OSO, "	17.78	TPAP, France	18.24
OSM, "	81.47	TPAS, "	11.20
OSI, "	18.20	TPA4, "	11.71
OSJ, "	10.88	TPD3, "	17.83
OSK, "	18.18	TPS11, "	11.880
OSL, "	18.31	VKME, Australia	9.89
OSM, "	17.81	VKME, "	9.81
OSN, "	16.37	VLR, "	6.60
HAT4, Hungary	9.12	WIXAL, Boston, Mass.	
HBT, Switzerland	14.835		18.28, 11.79, 8.04
HBO, "	11.402	WIXAR, Boston, Mass.	
HC1JB, Ecuador	14.43		11.73, 18.13
HCSJB, "	12.44	XECC, Mexico, D.F.	7.28
HCSRL, "	8.368	XEUZ, "	6.18
HPPA, Panama	11.7	XEWV, "	8.6
HP40, "	11.78	XOXX, China	17.8
HPSJ, "	8.60	XOOT, "	11.9
KVJ, Vatican City	15.12, 9.66, 6.01	XPA, "	7.01
IRF, Italy	9.22	YVSRN, Venezuela	5.04
JLO3, Japan	11.704	ZLZ, St. Kitts	9.889
JZJ, "	11.80	ZRL, St. Africa	9.81
JZK, "	18.18	ZRO3, Italy	9.838
JZL, "	17.744	ZRO4, "	11.81
LRA, Argentina	9.49	ZRO5, "	18.20
LRX, "	9.44	ZRO6, "	17.22
		ZRO7, "	8.87

Short-wave programs of American stations are shown along with the regular listings beginning on page 31. These are indicated, for example, by (sw-11.87) in parentheses following a program listing. This means that an 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

Daily Programs, Sat., Aug. 26, through Fri., Sept. 1

Programs listed here are those broadcast daily at the same time. Emotions are indicated.

8 a.m. (ex. Mon.)—Program from Saint HSBPJ (9.51)

8:25 a.m.—News (English): ZJZ JZK

8:30 a.m.—Program from Ireland: EIRE (17.84)

8:30 a.m. (ex. Sun.)—News (English): VLR

9 a.m. (ex. Sun.)—News (English): W3XAL (21.63) W3XL (17.78)

9 a.m.—English program: Radio Salon (11.78)

9 a.m.—News: PHJ PCJ (15.22)

9:15 a.m.—News (English): GSF GSG GSD

10 a.m. (ex. Sun.)—News (Spanish): WGEA (21.5)

12 noon (ex. Sun.)—News (English): ZRO6

12:30 p.m.—Program from Ireland: EIRE (17.84)

1:17 p.m.—Arabic program: GSP

1:30 p.m.—News (English): HP5G

1:45 p.m.—Marimba Ensemble: TGWA (15.17)

2:30 p.m.—Program from Ireland: EIRE (9.595) (alternate days)

3 p.m.—News (German): W3XAL (21.63) W3XL (17.78)

3:15 p.m.—News (French, German and Italian): GSA GRX

4 p.m.—News (French): W3XAL (21.63) W3XL (17.78)

4 p.m.—Variety program: ZRO6 ZRO9

5 p.m. (ex. Sun.)—News (French, German and Italian): W2XE (17.83)

5:20 p.m.—Dance music: TAP (9.465)

5:30 p.m. (ex. Sun.)—News (English): GSD GSP

6 & 9 p.m. (ex. Sun.)—News (Spanish): W3XAL (9.67) W3XL (17.78)

7 p.m.—News (English): DJB DJD DJZ

7 p.m.—Polish program: SPI SPW

7:15 p.m. (ex. Sat., Sun.)—News (Portuguese): W2XE (15.27)

7:30 p.m.—News (Spanish): GSC GSO

7:55 p.m.—North American transmission: OLR5A (15.23)

8 p.m. (ex. Sat.)—Program from Bulgaria: HAT4

8 p.m.—Soviet program: RAN RKI RV95

8:30 p.m. (ex. Sat.)—News (English): HAT4

8:30 p.m.—News (English): ZRO3 ZRO4 ZRO8 IRF

8:45 p.m. (ex. Sun.)—North American program: EAQ

9 p.m.—News (Spanish): KGEI (15.33)

9 p.m.—Program from Nassau, Bahamas: ZNS (5.09)

9:30 p.m.—North American transmission: TPB11 TPA4

10 p.m.—News (English): W3XAL (9.67) W3XL (6.1)

10 p.m.—Program from Chungking, China: XGON

11 p.m. (ex. Mon.)—Friendship Hour: HCLJB HC2JB

11:30 p.m.—News (English): DJB DJD DJZ

12 mid. (ex. Wed., Fri.)—Marimba Concert: TGWA (9.685)

12:15 a.m. (ex. Sat., Sun.)—News (Spanish): WLWO (6.06)

Saturday, August 26

For programs broadcast daily see Daily Programs (Col. 3)

10 a.m.—Lochaber Highland Games: GSF GSG

1 p.m.—Program from Luxembourg: Radio Luxembourg (15.35)

4 p.m.—English Mail Bag: TAP (9.465)

4:35 p.m.—"The Nightwatchman's Tales" and "Trial by Water": GSG GSP GSD

6 p.m.—News (English): RNE

6:15 p.m.—Canadian orchestra: WGEA (9.55)

6:30 p.m.—Concert Master: WGEA (9.55)

7 p.m.—Tourist Hour: HP5A

7:15 p.m.—Club of Nations: DJB DJD DJZ

8:30 p.m.—Opening of the Seventh Reich's Meeting of Germans Abroad: IJB DJD DJZ

8:30 p.m.—Concert Hall: WGEA (9.55)

9 p.m.—Recital of music for two pianos: GSB

9 p.m.—Hour of Costa Rica: TIPG

9:30 p.m.—Variety broadcast: TPB11 TPA4

9:45 p.m.—Treasure Island Brazilian Orchestra: KGEI (15.33)

10 p.m.—Dance music: YV5CN

10 p.m.—Saturday Theater: LRX

11 p.m.—Orquesta Puercisala: TGWA (9.685)

11 p.m.—Spalati DN Broadcast from Nicaragua: YNDG (13.9)

11:20 p.m.—Talk in English: TPB11 TPA4

1:15 a.m.—Chanson by Miss Nurika Awaya: JZK

Sunday, August 27

For programs broadcast daily see Daily Programs (Col. 3)

6:30 a.m.—Speech by Adolf Hitler: WGEA (21.5) WPIT (21.54)

8:30 a.m.—Church services: VUC2 (4.88)

9 a.m.—Program from Denmark: OZ11

12:10 p.m.—Symphonic Concert: DJB

1:45 p.m.—Marimba Ensemble: TGWA (15.17)

2:40 p.m.—Raul Panagua, pianist: TGWA (15.17)

2:55 p.m.—Catholic services: GSG GSP GSD

4:05 p.m.—Leslie Jeffries' orchestra: GSG GSP

4:30 p.m.—Orquesta Tipica Guatemala: TGWA (15.17) TGWB

5:15 p.m.—Marimba music: TGWA (15.17) TGWB

6 p.m.—Short-Wave Listener's Mail Bag: CHNX

6:15 p.m.—Canadian Grenadier Band: WGEA (9.55)

7 p.m.—Mexican Hour: NECR NEWW

7:15 p.m.—Pan-American program: WGEQ (9.53)

7:20 p.m.—Serial, "The Thirty-Nine Steps": GSB

8 p.m.—Hungarian songs: HAT4

8:30 p.m.—News (English): GSB GSD GSF

8:45 p.m.—Opera, "Lorelei": ZRO3 ZRO4 ZRO8 IRF

9 p.m.—Cuban Band Concert: COCD (8.7)

9:25 p.m.—Netherlands program: PCJ (9.59)

9:30 p.m.—Hour of the Young Nations: DJB DJD

10 p.m.—News (English): TGWA (9.685) TGWB

10 p.m.—Voice of Hawaii: KQ11 (14.92)

10:50 p.m.—Scenes from "The Merchant of Venice": GSB GSC GSD

11 p.m.—Symphonic concert: TGWA (9.685)

11:25 p.m.—English talk: TPB11 TPA4

12 mid.—Marimba music: TGWA (9.685)

1:15 a.m.—Classical dance: JZK

Monday, August 28

For programs broadcast daily see Daily Programs (Col. 3)

8:30 a.m.—Scenes from "The Merchant of Venice": GSF GSG GSD

10:30 a.m.—Mount Mazurca: WGEA (21.5)

3 p.m.—Promenade Concert, BBC Symphony Orchestra, conducted by Sir Henry J. Wood: GSG GSP GSD

4:30 p.m.—Church in the Wilderness: WGEA (15.33) WGEQ (9.53)

5 p.m.—Dance Hour: WGEA (15.33)

6 p.m.—Science news: WGEQ (9.53)

7 p.m.—English program: Radio Martinique (9.7)

7:25 p.m.—Play, "The Enchanted Business Man": GSB GSD GSF

8:10 p.m.—French-Canadian folk songs: GSB GSD

8:15 p.m.—Mail Bag (Spanish): WGEQ (9.53)

9 p.m.—Folk songs: ZRO3 ZRO4 ZRO8 IRF

9:15 p.m.—Peasant dances: ZRO3 ZRO4 ZRO8 IRF

9:30 p.m.—Light music: TPB11 TPA4

10:15 p.m.—Brass band: DJB DJD DJZ

12 mid.—Marimba Ensemble: TGWA (9.685)

Tuesday, August 29

For programs broadcast daily see Daily Programs (Col. 3)

10 a.m.—Rhythms of Today: WGEA (21.5)

1:30 p.m.—Broadcast from Algiers: TPZ (8.96)

2:30 p.m.—Little variety show: WGEA (15.33)

3 p.m.—Mercenary Mary: GSG GSP GSD

4:30 p.m.—Dance music: GSG GSP GSD

7:15 p.m.—Opera, "Don Cesar": DJB DJD DJZ

8 p.m.—Army Band: KGEI (15.33)

8:30 p.m.—Television Show: W2XBS (Sight 45.25; Sound 49.75)

8:45 p.m.—Tuesday Symphonies: ZRO3 ZRO4 ZRO8 IRF

8:45 p.m.—Gypsy band: HAT4

9 p.m.—Philharmonic-Symphony Orchestra: W2XE (11.83)

9:15 p.m.—Choral concert: ZRO3 ZRO4 ZRO8 IRF

10 p.m.—English broadcast: TMNRH

11 p.m.—Orquesta Puercisala: TGWA (9.685)

11:30 p.m.—Cabaret program: GSG GSP GSD

1 a.m.—Moonlight Garden's Orchestra: WLWO (6.06)

Wednesday, August 30

For programs broadcast daily see Daily Programs (Col. 3)

10 a.m.—Organ Melodies: WGEA (21.5)

12:15 p.m.—"World Affairs," H. B. Hodson: GSF

3 p.m.—Piano quartet: GSG GSP GSD

3:30 p.m.—Camp Sing-Song: GSG GSP GSD

4:45 p.m.—Ocean Reveries: WGEA (15.33)

5:30 p.m.—Camera Club of the Air: W2XJ1 (25.3)

7:15 p.m.—Symphony of Alberto Williams: DJB

8 p.m.—North American Hour: ZIZ

8:15 p.m.—Southern Sisters: GSB GSD GSF

8:30 p.m.—Radio Orchestra: HAT4

8:45 p.m.—Press Review: DJB DJD DJZ

9 p.m.—Philharmonic-Symphony Orchestra: W2XE (11.83)

9:15 p.m.—Cetra Orchestra: ZRO3 ZRO4 ZRO8 IRF

9:30 p.m.—Tragedy, "Phaedra": TPB11 TPA4

9:30 p.m.—Tourist notes: ZRO3 ZRO4 ZRO8 IRF

9:45 p.m.—North American transmission: IIBJ

10 p.m.—Schmidt Family: DJB DJD DJZ

11:20 p.m.—English message from Paris: TPB11

Thursday, August 31

For programs broadcast daily see Daily Programs (Col. 3)

10:15 a.m.—Lucky Dip: GSF GSG GSD

11 a.m.—Melody Madhouse: W3XAL (21.63) W3XL (17.78)

3 p.m.—Sermons in Stone: GSG GSP GSD

4:35 p.m.—Play, "Night on Skid Moor": GSG

8:30 p.m.—Post Orchestra: HAT4

8:30 p.m.—Television Show: W2XBS (Sight 45.25; Sound 49.75)

8:45 p.m.—Opera selections: ZRO3 ZRO4 ZRO8 IRF

9:15 p.m.—Italian recipes: ZRO3 ZRO4 ZRO8 IRF

9:30 p.m.—Intermezzi from grand opera: ZRO3 ZRO4 ZRO8 IRF

10:05 p.m.—English lessons for Spanish listeners: W4XB (6.04)

11 p.m.—Travel talk: KGEI (15.33)

11:20 p.m.—Talk in English: TPB11 TPA4

12 mid.—Marimba Band: TGWA (9.685) TGWB

Friday, September 1

For programs broadcast daily see Daily Programs (Col. 3)

9:30 a.m.—Music Hall: KGEI (9.53)

3 p.m.—Program from Luxembourg: Radio Luxembourg (15.35)

3 p.m.—Promenade Concert, BBC Symphony Orchestra, conducted by Sir Henry J. Wood: GSG GSP GSD

4:30 p.m.—Church in the Wilderness: WGEQ (9.53) WGEA (15.33)

6 p.m.—Violin Recital: GSD GSP

8 p.m.—Symphonic Poem: HAT4

8:45 p.m.—Opera music: GSB GSD GSF

9 p.m.—Mallorca Melodies: WGEA (9.55)

9:15 p.m.—Amy Bernardy: ZRO3 ZRO4 ZRO8 IRF

9:30 p.m.—Dudley Beaden, BBC organist: GSB

10:45 & 11:15 p.m.—Transmissions of New York World's Fair Radio Club: Amateurs on all amateur bands

11 p.m.—Radio Theater: TGWA (9.685) TGWB

12 mid.—English Hour: XEXA (6.175)

12:30 a.m.—Popular music: TGWA (9.685) TGWB

Log of Short-Wave Stations
Whose Programs Are Listed

(Maximum as transmittable at 100-watt stations)

CHXZ, Canada	4.17	OAXA, Peru	9.94
CHUO, Cuba	4.45	ORSA, Bulgaria	14.23
CHUW, Portugal	5.78	OT, Denmark	9.80
CHUW, Romania	13.20	QTH, "	16.20
CHUW, "	13.72	PCY, Bulgaria	9.34
CHUW, "	13.80	PMI, "	17.21
CHUW, "	13.80	RAN, U.S.A.	9.00
CHUW, "	9.44	RKI, "	13.00
CHUW, "	9.44	RKE, "	13.00
CHUW, "	13.44	RWV, "	13.12
CHUW, "	7.1	RSP, Sweden	11.20
CHUW, "	9.00	RTH, Poland	11.20
CHUW, "	9.00	RW, "	13.01
CHUW, "	9.00	TEF, Finland	10.20
CHUW, "	9.11	TGWA, Guatemala	13.17
CHUW, "	9.14	TGWR, "	9.49
CHUW, "	11.24	TGP, "	8.20
CHUW, "	11.40	TIPB, Costa Rica	9.10
CHUW, "	10.15	TINBR, "	9.09
CHUW, "	12.19	TPAF, France	15.24
CHUW, "	11.47	TPAS, "	11.44
CHUW, "	12.48	TPAA, "	11.51
CHUW, "	11.84	TPB, "	11.25
CHUW, "	10.19	TPBL, "	11.53
CHUW, "	10.21	YKME, Australia	9.50
CHUW, "	11.81	YKMI, "	9.51
CHUW, "	10.27	YLB, "	9.48
CHUW, "	9.12	WIXAL, British Mex.	
CHUW, "	14.92		15.25, 11.75, 8.04
CHUW, "	11.40	WIXAR, British Mex.	
CHUW, "	14.42		11.75, 15.13
CHUW, "	12.48	XFCB, Mexico D.F.	7.08
CHUW, "	9.00	XFD, "	9.12
CHUW, "	11.7	XGWW, "	9.4
CHUW, "	11.78	XGXX, China	17.4
CHUW, "	9.00	XGOY, "	11.9
CHUW, "	12.12	YKSA, "	7.01
CHUW, "	12.12	YKSN, Venezuela	2.04
CHUW, "	9.42	ZIZ, St. Kitts	9.65
CHUW, "	11.70	ZKL, So. Africa	9.01
CHUW, "	11.80	ZKDI, Italy	9.53
CHUW, "	10.16	ZKDI, "	11.81
CHUW, "	17.75	ZKDI, "	15.20
CHUW, "	9.48	ZKDI, "	11.80
CHUW, "	9.48	ZKDI, "	9.07

Short-wave programs of American stations are shown along with the regular listings beginning on page 18. These are indicated, for example, by (a) 11.81 in parentheses following a program listing. This means that on 11.81 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

Daily Programs, Sat., Sept. 2, through Fri., Sept. 8

Programs listed here are those broadcast daily at the same time. Exceptions are indicated.

- 8 a.m.—Transmission to Asia: KGEL (7.55)
- 8 a.m. (ex. Mon.)—Program from Spain: HSBP (9.34)
- 8:30 a.m.—Program from Iceland: HRE (17.84)
- 8:30 a.m.—News (English): KGEL (7.55)
- 9 a.m.—Lunch program: WJVA (17.78)
- 9:15 a.m.—News (English): GSP GSP GSP
- 10 a.m. (ex. Sun.)—News (Spanish): WGEA (21.5)
- 10:30 a.m.—News (English): KGEL (7.55)
- 11:30 a.m. (ex. Sun.)—News (English): WJVO (2.05)
- 12 noon—News (English): GSP GSP GSP
- 12:30 p.m. (ex. Sun.)—From overseas: WGEA (15.33)
- 1 p.m.—News (English): WJVA (21.83) WNB (17.78)
- 1:17 p.m.—After program: GSP
- 1:30 p.m.—News (English): HPSA
- 1:45 p.m.—Musical Ensemble: TGWA (15.17)
- 2:20 p.m.—News (English): ZKDI
- 2 p.m.—News (German): WJVA (21.83) WNB (17.78)
- 3:15 p.m.—News (French, German and Italian): GSA GSA
- 4 p.m.—News (French): WJVA (21.83) WNB (17.78)
- 5 p.m. (ex. Sun.)—News (French, German and Italian): WNB (17.78)
- 5:20 p.m.—Dance music: TAP (9.46)
- 6 & 9 p.m. (ex. Sun.)—News (Spanish): WXH (17.75) WJVA (9.67)
- 7 p.m.—News (English): HRE HRE HRE
- 7 p.m.—Pop program: GSP GSP
- 7:30 p.m.—Special International from China for New York City: XGOY (9.4)
- 7:30 p.m.—News (English): GSP GSP
- 7:55 p.m.—North American transmission from Mexico: OJSA (15.23)
- 8 p.m.—News (Portuguese): WJVA (21.83) WNB (17.78)
- 8 p.m.—News (English): HPSA
- 8 p.m.—News (English): KGEL (15.33)
- 8:30 a.m.—News (English): WJVA (21.83)
- 8:30 a.m. (ex. Sun.)—Dance in Germany: HRE HRE HRE
- 8:30 a.m.—News (English): ZKDI ZKDI ZKDI
- 8:45 p.m. (ex. Sun.)—North American program: HPSA
- 9 p.m.—Program from Norway: HPSA (21.5)
- 9:10 p.m.—News (English): KGEL (15.33)
- 9:30 p.m.—News (English): WJVA (21.83)
- 10 p.m.—Program from Guatemala: GSA GSA
- 11 a.m. (ex. Mon.)—Dance music: HRE HRE HRE
- 11:30 p.m.—News (English): HPSA
- 12 mid (ex. Wed. Fri.)—Musical Ensemble: TGWA (15.17)
- 12:15 a.m. (ex. Sat. Sun.)—News (ex. ex. 11.81): WJVA (21.83)
- 1 a.m.—Dance music: HPSA
- 1:05 a.m.—News (English): HPSA

Saturday, September 2

For programs broadcast daily see Daily Programs (Col. 1)

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are Eastern Daylight Time. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours.

SCIENTIFIC findings of the forthcoming National Geographic Society-University of Virginia expedition to the South Pacific Islands will be revealed in exclusive short-wave pick-ups by the National Broadcasting Company direct from the scenes of exploration, including base camps which will be established on Pitcairn, Easter, and scores of other remote islands within a 5,000-mile radius south of Honolulu.

The expedition will sail from San Francisco about September 19 aboard the U. S. Coast Guard Cutter Hamilton. This vessel will be the home of the crew and eighteen members in the scientific group for the next one month or a year, during which time answers to some of the fundamental questions about the huge Pacific will be sought. NBC field engineer John M. Larson will have charge of the elaborate short-wave radio equipment which will keep the expedition in contact with civilization and programs to be broadcast to the network.

Howard R. Hughes of New York City has been granted special temporary permission to operate the 100-watt short-wave transmitter installed aboard his plane as a relay broadcast station using the call letters KHRH to transmit a special program for the CBS and MBS networks while making a sub-atmosphere flight across the Atlantic Ocean. Any one of following frequencies may be used, depending upon weather conditions: 4.787, 6.425, 8.654, 12.862 or 17.31 meg.

Ying Ong of 1001 E. Roosevelt St., Phoenix, Ariz., notifies me that Chinese National Station XGOY (9.5) at Chungking, will make special transmissions to New York daily from 7:30 to 8:40 p.m. EDT, during this week only. The programs will commence with Chinese music, followed by the

news in English at 7:40 p.m., military band selections, the news in Chinese at 8 p.m., Chinese opera selections, comments on current topics in Chinese, military band selections at 8:30 p.m. and close-down at 8:40 p.m. EDT. Chinese broadcasting authorities are very anxious to receive reports on these special transmissions and ask that these reports be sent to Mr. Ong at the above address.

XGOY broadcasts on 15.18 mcg., daily from 9 to 10:30 p.m. and on 11.8 (varies to 11.94), daily from 10:30 a.m. to noon EDT.

Vancouver's two-watt flea-jacker short-wave broadcaster, formerly identified as VE9CS, is back on the air, using the new call CFKX, the slogan "Short-wave Voice of British Columbia," and the same old frequency of 5.08 mcg. This tiny transmitter relay broadcasts from station CFKC nearly every morning except Mondays from about 2 until 4 a.m. PDT.

A powerful new short-wave transmitter at Belgrade, Jugoslavia, using the call YUG, on a frequency of 15.24 mcg., is making test transmissions Mondays from 7 to 8 p.m. directed to South America, and from 9 to 10 p.m. directed to North America. The Monday night programs are also radiated from midnight to 1 a.m. EDT over YUA (6.1) of Belgrade, and from 8 to 9 p.m. and from 11 p.m. to midnight EDT over DJA (9.56) of Zeezen, Germany.

Three other North American short-wave stations, having outgrown their experimental status, have been assigned new call letters. WJNAL of New York, N. Y., will hereafter be known as WRCA, while WJNL of New York City, is to be called WNB1. WJXK of Boston, Mass., has been rechristened WBOS.

- 11 a.m.—Music from St. Petersburg: GSP GSP GSP
- 11 a.m.—Mail Bag: WJVO (2.05)
- 12:30 p.m.—A. J. Powell's Bingo (excl): GSP GSP GSP
- 3 p.m. (Sat. Sun.)—Program from Luxembourg: Radio Luxembourg (15.33)
- 4 p.m.—English Mail Bag: ATP (9.45)
- 6 p.m.—News (English): HRE
- 6:15 p.m.—Canadian Orchestra: WJVA (21.83)
- 7 p.m.—Tourist Hour: HPSA
- 7:45 p.m.—San Martin Gypsy Band: HATP
- 8:30 p.m.—Covered Hall: WGEA (15.17)
- 9 p.m.—North American program from Sweden: HPSA (17.75) HRT (15.15)
- 9:30 p.m.—Variety (English): TPB1 TPB4
- 9:45 p.m.—Treasure Island Brazilian Orchestra: KGEL (15.33)
- 10 p.m.—Saturday Theater: LHM
- 11 p.m.—Sports IN Broadcast from Nicaragua: YKMG (15.9)
- 12 mid.—Dance music: KGEL (15.33)
- 12 mid.—Musical Ensemble: TGWA (15.17)
- 1 a.m.—Becky Hill Orchestra: WJVA (21.83)

Sunday, September 3

For programs broadcast daily see Daily Programs (Col. 1)

- 8:30 a.m.—Church service: VFCZ (4.89)
- 9 a.m.—Program from Denmark: HRE
- 11 a.m.—Covered Hall: WJVA (21.83)
- 12 noon—Sports in English: ZKDI
- 1:30 p.m.—Program from GSP GSP GSP
- 1:45 p.m.—Musical Ensemble: TGWA (15.17)
- 2:40 p.m.—Band Performance: TGWA (15.17)
- 2:55 p.m.—Exposition concert: GSP GSP GSP
- 3:30 p.m.—Latin American music: TGWA (15.17) TPB1
- 3:45 p.m.—Band of St. M. from Canada: GSP GSP
- 4 p.m.—Dance program: LHM
- 4:30 a.m.—First Military Band Concert: TGWA (15.17)
- 5:05 p.m.—News (English): GSP GSP GSP

- 6 p.m.—Short Wave Journal: Mail Bag: CHSA
- 6:15 p.m.—Canadian Grandstand Band: WGEA (15.17)
- 7:15 p.m.—Pop American program: WJVA (21.83)
- 7:45 p.m.—Phyllis Smith and Robert Kerr in the First Series: GSP GSP GSP
- 8 p.m.—First Industrial Reception Band: HATP
- 8:15 p.m.—Musical Band Concert: TGWA (15.17) TPB1
- 8:45 p.m.—Opera, "Turandot": ZKDI ZKDI ZKDI
- 8:50 p.m.—Eagle March songs: HATP
- 9 p.m.—Cuban Band Concert: GSP GSP
- 9:25 p.m.—Netherlands program: HPSA (15.59)
- 9:30 p.m.—Paul Carus, conductor: KGEL (15.33)
- 10 p.m.—Short Wave Journal: Mail Bag: CHSA
- 10 p.m.—Sweet symphony: WJVA (21.83)
- 10:40 p.m.—March of the Air: TGWA (15.17) TPB1
- 11 p.m.—Buddhist orchestra: WJVA (21.83)
- 11:25 p.m.—English folk: TPB1 TPB4

Monday, September 4

For programs broadcast daily see Daily Programs (Col. 1)

- 10:30 a.m.—Musical Museum: WGEA (15.17)
- 11:30 a.m.—Tom Jackson orchestra: GSP GSP GSP
- 1:30 p.m.—Series: The Four Feathers: GSP GSP GSP
- 2:45 p.m.—Hollywood news: WJVA (21.83)
- 4:30 p.m.—Dance in the Whitehall: WJVA (21.83) WGEA (15.17)
- 5 p.m.—Dance Band: WJVA (21.83)
- 5:30 p.m.—Indian Ceremony in the U. S. A.: WJVA (21.83) WGEA (15.17)
- 6 p.m.—Variety news: WGEA (15.17)
- 6:30 p.m.—Hilbert the Kid (excl): GSP GSP
- 7 p.m.—English program: Radio Luxembourg (15.33)
- 7:30 p.m.—Dance music: WGEA (15.17)
- 8 p.m.—Eagle March songs: HATP
- 8:15 p.m.—Mail Bag (English): WGEA (15.17)
- 9 p.m.—North American program from Japan: YKMG (15.24)
- 9:30 p.m.—Dance music: WJVA (21.83)

- 9:40 p.m.—"Musical Journal": WJVA (21.83)
- 9:45 p.m.—Musical Ensemble: TGWA (15.17)
- 12 mid.—Musical Ensemble: TGWA (15.17)
- 12:15 a.m.—Dance music: GSP GSP GSP

Tuesday, September 5

For programs broadcast daily see Daily Programs (Col. 1)

- 10 a.m.—Let the People Sing: J. B. Postner: GSP GSP GSP
- 1:30 p.m.—Dance music: WJVA (21.83)
- 2:30 p.m.—Latin American music: WJVA (21.83)
- 4:40 p.m.—Dance music: TGWA (15.17) GSP
- 6 p.m.—BBC Empire Orchestra: GSP GSP
- 6:45 p.m.—Dance music: WJVA (21.83)
- 7:25 p.m.—"Eagle" song at the Festival: GSP GSP GSP
- 8:30 p.m.—Dance music: WJVA (21.83)
- 8:30 p.m.—NBC Television Show: WJVA (21.83) WJVA (21.83)
- 9 p.m.—English News: ZKDI ZKDI ZKDI
- 9:10 a.m.—Program from Sweden: HPSA (15.59)
- 9:15 p.m.—Program from Sweden: ZKDI ZKDI ZKDI
- 9:25 p.m.—Dance music: TGWA (15.17) GSP GSP
- 10 p.m.—English Orchestra: GSP GSP GSP
- 11 a.m.—Dance music: TGWA (15.17) WJVA (21.83)
- 11:25 p.m.—Dance music: TGWA (15.17) TPB1
- 12 mid.—Musical Ensemble: TGWA (15.17) TPB1

Wednesday, September 6

For programs broadcast daily see Daily Programs (Col. 1)

- 8:30 a.m.—Dance music: WJVA (21.83) GSP GSP
- 10:05 a.m.—St. Louis Band: GSP GSP GSP
- 12:15 p.m.—World Affairs: M. Wickham: GSP GSP GSP
- 2:30 p.m.—Dance music: WJVA (21.83)
- 3:45 p.m.—Dance music: GSP GSP GSP
- 4:30 p.m.—Dance in the Whitehall: WJVA (21.83) WJVA (21.83)
- 5:30 p.m.—Dance music: WJVA (21.83)
- 7:15 p.m.—Dance music: WGEA (15.17)
- 8 p.m.—Dance music: WJVA (21.83)
- 8:30 p.m.—Dance music: TGWA (15.17) GSP
- 8:45 p.m.—Dance music: ZKDI ZKDI ZKDI
- 9 p.m.—Dance music: WJVA (21.83)
- 9:15 a.m.—Dance music: ZKDI ZKDI ZKDI
- 9:30 p.m.—Dance music: ZKDI ZKDI ZKDI
- 11:20 p.m.—Dance music: TPB1 TPB4

Thursday, September 7

For programs broadcast daily see Daily Programs (Col. 1)

- 8 a.m.—Ballad of Western I. S. A.: KGEL (7.55)
- 10:15 a.m.—Dance music: GSP GSP GSP
- 11 a.m.—Musical Museum: WJVA (21.83) WNB1 (17.78)
- 3 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry J. Wood: GSP GSP GSP
- 5 p.m.—Program from Luxembourg: Radio Luxembourg (15.33)
- 6:15 p.m.—Sports in English: WJVA (21.83) GSP GSP
- 7:30 p.m.—Dance music: WJVA (21.83)
- 8:30 p.m.—NBC Television Show: WJVA (21.83) WJVA (21.83)
- 8:45 p.m.—Dance music: HPSA
- 8:45 p.m.—Dance music: ZKDI ZKDI ZKDI
- 9 p.m.—Musical Museum: "The Young Men": GSP GSP
- 9:30 p.m.—Special concert program: WJVA (21.83)
- 10 p.m.—Press Review: HRE HRE HRE
- 10:05 p.m.—English program for Spanish listeners: WJVA (21.83)
- 11 p.m.—Travel talk: KGEL (15.33)
- 11 p.m.—Dance music: TGWA (15.17) WJVA (21.83)
- 11:20 p.m.—Talk in English: TPB1 TPB4

Friday, September 8

For programs broadcast daily see Daily Programs (Col. 1)

- 9:30 a.m.—Music Hour: KGEL (15.33)
- 10 a.m.—Dance in the Whitehall: WJVA (21.83)
- 10:45 a.m.—Band of the Royal Tank Regiment: GSP GSP GSP
- 1 a.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry J. Wood: GSP GSP GSP
- 4:30 p.m.—Dance music: GSP GSP GSP
- 4:30 p.m.—Dance in the Whitehall: WJVA (21.83) WJVA (21.83)
- 8:30 p.m.—NBC Television Show: WJVA (21.83) WJVA (21.83)
- 8:45 p.m.—Dance music: WJVA (21.83) GSP GSP
- 8:45 p.m.—Dance music: ZKDI ZKDI ZKDI
- 9 p.m.—Dance music: WJVA (21.83)
- 9:15 p.m.—Dance music: ZKDI ZKDI ZKDI
- 10:45 & 11:15 p.m.—Transmissions of New York World's Fair Radio Club: GSP GSP GSP
- 10:30 p.m.—BBC Empire Orchestra: GSP GSP
- 11 p.m.—Musical Museum: WJVA (21.83) WNB1 (17.78)
- 11 p.m.—Dance music: TGWA (15.17) WJVA (21.83)
- 11:25 p.m.—Dance music: TGWA (15.17) TPB1
- 12:15 a.m.—Dance music: "More Music in English": GSP GSP
- 12:30 a.m.—Dance music: TGWA (15.17) TPB1

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

(Megacycles or thousands of kilocycles shown)

CRXX, Canada	6.13	DAX42, Peru	9.24
CQW7, Cuba	8.85	OLRSA, Bohemia	13.23
CSW7, Portugal	9.79	GZF, Denmark	9.52
DJB, Germany	11.20	OZM	11.73
DJD	11.27	PCJ, Holland	9.59, 15.23
DJL	11.11	PHI	17.15
DJZ	11.20	RAN, U.S.S.R.	9.60
EAG, Spain	9.86	RKI	15.05
EIRE, Ireland		RNE	16.00
	17.84	RW96	15.18
FOAAA, Tahiti	7.1	SBP, Sweden	11.70
GRX, England	9.89	SPD, Poland	11.37
GRV	9.90	SPW	13.94
GSA	6.05	TFJ, Iceland	12.23
GSR	9.51	TOWA, Guatemala	18.17
GSC	9.58	TGWB	6.49
GSD	11.75	TOJ	6.225
GSE	11.86	TPG, Costa Rica	6.612
GTF	15.14	TPANN	6.695
GSO	17.79	TPAF, France	15.24
GSR	21.47	TPAS	11.38
GSI	13.26	TPA4	11.71
GSL	21.58	TPB1	17.85
GSO	18.18	TPB11	11.895
GSP	15.31	VKPSK, Australia	9.59
GSV	17.81	VJ3ME	9.53
NAB5, Hungary	15.31	VLR	9.58
NAT4	9.12	WIXAL, Boston, Mass.	
PRJ, Switzerland	14.915		15.25, 11.70, 6.64
ND0	11.492	WIXAR, Boston, Mass.	
HC1JF, Ecuador	14.43		11.73, 15.15
HC1JF	15.46	XECR, Mexico, D.F.	7.38
HC1RL	6.895	XEOW	6.12
HP5A, Panama	11.7	XEOW	9.5
HP50	11.78	XEOX, China	17.6
HP5J	9.65	XEOY	11.9
NVJ, Vatican City		XPSA	7.61
	15.12, 9.66, 8.03	YVSRN, Venezuela	6.94
INF, Italy	9.83	ZLZ, S.L. Kito	6.285
JLOS, Japan	11.705	ZRL, So. Africa	9.61
JZJ	11.80	ZRO3, Italy	6.636
JZK	15.16	ZRO4	11.91
JZL	17.285	ZRO5	16.30
LRA, Argentina	9.69	ZRO8	17.18
LRX	9.66	ZRO9	9.87

On Short Waves

Edited by Chas. A. Morrison

President, International DX'ers Alliance

Times given are Eastern Daylight Time. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours

The long-impending conflict in Europe has become a dreadful reality. It is not a war of bullets alone, but a war of words—a war of wavelengths. Sentiment is molded, ultimatum delivered, war is declared, in fact history is made, by radio. Short-wave radio is playing and will play a role of such vast importance in this conflict that its implications are overwhelming. With ordinary cable and wireless communications crippled or completely disrupted, practically all war news is coming in via short-wave radio. Short-wave radio has now come into its own—not as a plaything for experimenters or as a vehicle for stunt broadcasts from strange spots but as the voice of world events. The time has come when all radio listeners will want to become familiar with short waves. A few frank facts in this connection are vital.



Dr. Herbert Schroeder, author-director of the "Schmidt Family" series

London, Paris and Berlin each have a powerful array of short-wave transmitters, but not all broadcasts from these stations are audible in the United States. The transmissions that you will be most interested in and that you will receive with good volume and intelligibility are those which are particularly directed or beamed on this country. Take for example London. Some thirty channels, each using a different call, are available for broadcast purposes. You don't have to remember all of these. For reception from London, from 6:45 a.m. to 5 p.m. EDT, turn your dials to GSG (17.79), almost in the center of the 16-meter band; from 5:20 to 7 p.m. EDT, turn to GSP (15.31), near the high-frequency side of the 19-meter band; from 7:20 to 10:15 p.m. EDT, turn to GSD (11.75), on the 25-meter band, and from 10:40 p.m. to 12:30 a.m. EDT, turn either to GSD (11.75) or to GSC (9.58) on the 31-meter band. You can hear Germany best from 5:55 to 11:50 p.m. EDT. DJB (15.2), near the center of the 19-meter band, is your best bet, but you have a second choice in DJD (11.75) on the 25-

meter band. Programs from Paris are directed to the United States from 9:30 p.m. to midnight EDT only. Turn your dial to TPB11 (11.885), near the high-frequency side of the 25-meter band. Transmissions from Poland are sent to the United States daily from 7 to 10 p.m. EDT, but these are seldom received with sufficient volume for practical reception. SPW (13.635) is Warsaw's best frequency.

Now you may hear French, German or Polish programs from other stations than those mentioned above, but those listed will provide best reception and are easy to locate and remember. I suggest you clip out this paragraph and hang it near your receiver for reference purposes.

Programs from Germany which are rebroadcast on the networks originate over DJL (15.11) or DJB (15.20), if daytime; or over DXB (9.71), if night-time. England's new frequency, GSW (7.23), on the new 41-meter band, is now in use. . . . Detailed English newscasts are still being made from England, France and Germany, at the times listed in our program listings, but news summaries or important news flashes are made irregularly throughout the program schedules, the same as they are in our country. . . . France is using a new frequency of 9.62 mega, which provides good reception, almost nightly from 9:30 to 12 midnight EDT.

LYR (9.29), at Kaunas, Lithuania, power 500 watts, relays the programs of long-wave station Kaunas 1, weekdays from 1 to 4:40 a.m. and from 3:30 to 4 p.m. and on Sundays from 2:30 to 3:15, from 7 to 8:45 a.m., from 12:30 to 2:15 and from 3 to 4:30 p.m. EDT. Both men and women announcers are employed. . . . Apparently there is now an amateur-phone station in Mauritius. Listeners report hearing VQSJM (14.11), near 5:40 a.m. EDT, while a correspondent in South Africa reports a station, giving its location as Mauritius, broadcasts music irregularly on a frequency of 7.19 megs.

- 9:30 p.m.—Paul Carson, pianist: KGEI (15.33)
- 9:35 p.m.—Program of Marches: GSB GSD GSF
- 10 p.m.—News: TGWA (9.685) TGWB
- 10 p.m.—Sunset Symphony: WGIQ (9.53)
- 10 p.m.—Voice of Hawaii: KQH (14.92)
- 11 p.m.—Buddy Fisher's orchestra: WLWO (6.06)
- 11:20 p.m.—London Palladium Orchestra: GSR

Monday, September 18

- For programs broadcast daily see Daily Programs (Col. 1)
- 10:30 a.m.—Moment Musical: WGEA (21.5)
 - 11 a.m.—Serial, "The Four Feathers": GSG GNF
 - 2:30 p.m.—Camptown Gaelic Choir: GSG GSF
 - 4 p.m.—Hercule, "Time Stoppers": GSG GSP
 - 4:45 p.m.—French Mail Bag: WRCA (21.63) WNB1 (17.78)
 - 6 p.m.—Science news: WGEQ (9.53)
 - 6:30 p.m.—Modern Radio Course: WSLR (11.73)
 - 7 p.m.—Aida Land: WGEA (9.55)
 - 7 p.m.—English program: Radio Martinique (9.7)
 - 7:15 p.m.—Light Entertainment: DJB DJD DJZ
 - 7:30 p.m.—Trigonal Mode: WGEQ (9.53)
 - 8 p.m.—Symphony Orchestra: HAT4
 - 8:15 p.m.—Mail Bag (Spanish): WGEQ (9.53)
 - 8:45 p.m.—Folk songs: ZRO3 ZRO4 ZRO5 IRF
 - 9 p.m.—Program from Belgrade, Yugoslavia: YUG (15.24)
 - 9:30 p.m.—Mail Bag: ZRO3 ZRO4 ZRO5 IRF
 - 9:45 p.m.—North American transmission: HRO (11.46)
 - 11:20 p.m.—Talk in English: TPB11 TPA4
 - 11:30 p.m.—Musica Classica: WLWO (6.06)

Tuesday, September 19

- For programs broadcast daily see Daily Programs (Col. 1)
- 5 a.m. (Tues., Wed., Thurs.)—Program from Luxembourg: Radio Luxembourg (15.35)
 - 10 a.m.—Mystics of Today: WGEA (21.5)
 - 10 a.m.—Serial, "Let the People Sing": GSG GSF
 - 2:30 p.m.—Arabian Folks: GSG GSB GSD
 - 3 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry J. Wood: GSG GSP GSD
 - 3 p.m.—Army Band: WGEA (15.33)
 - 5:30 p.m.—Listener's Post Box: WSLR (11.79)
 - 5:45 p.m.—Human Interest Editorial: W2XJ (25.3)
 - 8 p.m.—Police Orchestra: HAT4
 - 8:45 p.m.—Tuesdays Symphonies: ZRO3 ZRO4
 - 9:10 p.m.—Program from Erwin: HC1RL (6.356)
 - 9:45 p.m.—Happy Program: PCJ (9.59)
 - 10 p.m.—English broadcast: TPANN
 - 10:15 p.m.—Kaleidoscope of Opera: DJB DJD DJZ
 - 10:30 p.m.—English Mail Bag: WNB1 (16.1) WRCA (9.67)
 - 11:25 p.m.—Message from Paris: TPB11 TPA4
 - 12:15 a.m.—U. S. Government Reports: WLWO (6.06)

Wednesday, September 20

- For programs broadcast daily see Daily Programs (Col. 1)
- 10 a.m.—Ocean Melodies: WGEA (21.5)
 - 12:15 p.m.—"World Affairs," H. B. Butler: GSG
 - 2:30 p.m.—Theaters of Variety: GSG GSP GSD
 - 3 p.m.—Wireless Puppets: GSG GSP GSD
 - 4:30 p.m.—Church in the Wildwood: WGEA (15.33) WGEQ (9.53)
 - 5:30 p.m.—Camera Club of the Air: W2XJ (25.3)
 - 8 p.m.—North American Hour: ZLZ
 - 8:30 p.m.—Lajos Gaspar's Gypsy Band: HAT4
 - 8:45 p.m.—Press Review: DJB DJD
 - 8:45 p.m.—Agnelli Orchestra: ZRO3 ZRO4 ZRO5
 - 9:25 p.m.—North American program: PCJ (9.59)
 - 10 p.m.—Understanding Music: WSLR (11.73)
 - 10:15 p.m.—Variety and Dance Music: DJB DJD
 - 11:15 p.m.—Marimba Band: TGWA (9.685)
 - 11:20 p.m.—Message in English: TPB11 TPA4

Thursday, September 21

- For programs broadcast daily see Daily Programs (Col. 1)
- 9:30 a.m.—"World Affairs," H. B. Butler: GSG
 - 10:15 a.m.—Lucky Dip: GSG GSF GSI
 - 4 p.m.—Play, "S. S. San Pedro": GSG GSP GSB
 - 5 p.m.—For Listeners Aboard Ship: WSLR (11.79)
 - 6:20 p.m.—Recital by Richard L. Lindell: GSB
 - 7:30 p.m.—Jack Jay's orchestra: WGEA (9.55)
 - 8:30 p.m.—Military Orchestra: HAT4
 - 8:30 p.m.—Television Show: W2XBS (Sight 45.25, sound 49.75)
 - 8:45 a.m.—Opera selections: ZRO3 ZRO4 ZRO5
 - 9 p.m.—Dance Band: GSB GSD GSF
 - 9:15 p.m.—Famous Composers: ZRO3 ZRO4 ZRO5
 - 10 p.m.—Press Review: DJB DJD
 - 10:15 p.m.—Opera and Operetta Melodies: DJB
 - 11 p.m.—Travel talk: KGEI (15.33)

Friday, September 22

- For programs broadcast daily see Daily Programs (Col. 1)
- 9:30 a.m.—Music Hall: KGEI (15.33)
 - 10 a.m.—John H. Hughes, commentator: KGEI (9.53)
 - 12:40 p.m.—Serial, "Let the People Sing": GSG
 - 3 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry J. Wood: GSG GSP GSD
 - 4:30 p.m.—Church in the Wildwood: WGEQ (9.53) WGEA (15.33)
 - 4:45 p.m.—Ocean Reveries: WGEA (15.33)
 - 8:30 p.m.—Television Show: W2XBS (Sight 45.25, sound 49.75)
 - 8:45 p.m.—Old Favorites: GSB GSI GSF
 - 9:15 p.m.—Amy Bernardy: ZRO3 ZRO4 ZRO5 IRF
 - 9:45 p.m.—Transmissions of "W2USA Radio Club" from New York World's Fair: Amateurs on all bands
 - 10:15 p.m.—Sixty Variegated Minutes: DJB DJD
 - 11 p.m.—Fire Warning: KGEI (15.33)
 - 11:30 p.m.—Tunes for Everybody: GSB GSG GSD
 - 12:30 a.m.—Popular music: TGWA (9.685) TGWB

Sunday, September 17

- For programs broadcast daily see Daily Programs (Col. 1)
- 8:30 a.m.—Church Services: YUC2 (4.83)
 - 9 a.m.—Program from Denmark: OZH
 - 10 a.m.—Church of the Air: W2XE (17.83)
 - 11:30 a.m.—News: WLWO (6.06)
 - 12 noon—Survey in English: ZRO6
 - 1:45 p.m.—Marimba Ensemble: TGWA (15.17)
 - 2:40 p.m.—Raul Paniqua, pianist: TGWA (15.17)
 - 2:55 p.m.—St. Paul's Services: GSG GSP GSD
 - 3:30 p.m.—Latin American songs: TGWA (15.17)
 - 3:45 p.m.—Excerpts from "The Bezar's Opera": GSG GSP GSD
 - 4 p.m.—Dance Program: LRX
 - 5:05 p.m.—News (English): GSG GSP GSD
 - 6 p.m.—Short Wave Listener's Mail Bag: CHNX
 - 7 p.m.—Mexican Hour: XECH NEWW
 - 7:15 p.m.—Otto Dobrindt Band: DJB DJD
 - 8 p.m.—Hungarian University Choir: HAT4
 - 8:15 p.m.—Military Band Concert: TGWA (15.17)
 - 8:30 p.m.—News (English): GSB GSD GSF
 - 8:45 p.m.—Opera, "Il Re": ZRO3 ZRO4 ZRO5
 - 9 p.m.—Cuban Band Concert: CDCO (8.7)
 - 9:10 p.m.—Jose Molina Pinillos' orchestra: TGWA (9.685)

Saturday, September 16

- For programs broadcast daily see Daily Programs (Col. 1)
- 9:45 a.m.—Mail Bag: KGEI (15.33)
 - 11 a.m.—Mail Bag: WLWO (6.06)
 - 3 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry J. Wood: GSG GSP GSD
 - 4 p.m.—English Mail Bag: TAP (9.465)
 - 6 p.m.—News (English): RNE
 - 7 p.m.—Royal Hungarian Opera House Orchestra: HAT4
 - 7:15 p.m.—Dance program: DJB DJD
 - 8:30 p.m.—Concert Hall: WGEA (9.55)
 - 8:45 p.m.—London Log: GSB GSD GSF
 - 9 p.m.—Hour of Costa Rica: TTPG
 - 9:30 p.m.—Special Transmission to Massachusetts: DJB DJD
 - 9:30 p.m.—Variety broadcast: TPB11 TPA4
 - 10 p.m.—Dance music: YVSRN
 - 11 p.m.—Concert of Master Works: TGWA (9.685)
 - 11:15 p.m.—Lucky Dip: GSB GSG GSD
 - 12 mid.—Dance music: KGEI (9.53)

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHXX, Canada	6.13	OAX44, Peru	9.94
COGQ, Cuba	9.86	OLBAA, Bohemia	16.83
OBWV, Portugal	9.784	OZF, Denmark	8.62
DJB, Germany	18.26	OZH, "	16.39
DJD, "	11.77	PCJ, Holland	5.39, 16.21
DJL, "	16.11	PHL, "	17.775
DJZ, "	11.80	RAN, U.S.S.R.	9.60
EAG, Spain	9.85	RKI, "	18.02
KIRT, Ireland	17.04	RNE, "	12.00
	9.592	SWW, "	15.18
FOAAA, Tahiti	7.1	SDP, Sweden	11.705
ORX, England	9.49	SPD, Poland	11.53
GRY, "	9.20	SPW, "	13.94
OSA, "	9.00	TFJ, Iceland	13.23
OBG, "	9.81	TOWA, Ostia	15.17
OBC, "	9.58	TOWB, "	6.49
OSD, "	11.75	TOR, "	6.195
ORZ, "	11.80	TIPO, Costa Rica	9.812
GRF, "	16.14	TIANKH, "	8.985
OBO, "	17.19	TPAA, France	15.24
OSN, "	11.47	TPAA, "	11.71
OSL, "	11.88	TPAA, "	11.71
OSJ, "	11.63	TPBQ, "	11.80
OSD, "	11.19	TPBII, "	11.355
OSF, "	18.31	VKRNK, Australia	8.59
OSV, "	17.81	VKRNK, "	9.61
HASV, Hungary	18.37	VLR, "	9.32
HATV, "	9.12	WIXAL, Boston, Mass.	16.30, 11.79, 6.04
RRJ, Switzerland	14.635	WIXAR, Boston, Mass.	11.73, 16.15
SIMO, "	11.492	XECE, Mexico, D.F.	7.38
HCJIB, Ecuador	14.43	XEUS, "	6.12
HCJIB, "	12.48	XEWV, "	8.8
HCJRL, "	6.336	XGXX, China	17.8
HPAA, Panama	11.7	XKOT, "	11.9
HPAA, "	11.78	YVARN, Venezuela	5.94
HPAA, "	9.60	ZIZ, St. Kitts	6.385
RVV, Vatican City	13.18, 9.04, 6.03	ZRI, So. Africa	9.91
IRP, Italy	9.83	ZRI, "	9.650
ZLOJ, Japan	11.708	ZROA, "	11.81
ZJZ, "	11.80	ZROB, "	15.58
ZJK, "	18.15	ZROB, "	17.32
ZLZ, "	17.786	ZROB, "	9.97
LRA, Argentina	9.89		
LRX, "	9.80		

Short-wave programs of American stations are shown along with the regular listings beginning on page 18. 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.

NOTICE: The Daily Programs and programs for Saturday, September 23, are listed in Eastern Daylight Time. For EST and CDT subtract 1 hour; CST, 2 hours; MST, 3 hours; PST, 4 hours. All other programs are listed in Eastern Standard Time to conform with the return to Standard Time in some sections of the country.

Due to war conditions now existing in Europe, all programs from European countries are tentative and are subject to change without notice.

Daily Programs, Sat., Sept. 23, through Fri., Sept. 29

- Programs listed here are those broadcast daily at the same time. Exceptions are indicated.
- 8 a.m.—Transmission to Asia: KGEI (9.53)
 - 8:25 a.m.—News (English): JZJ ZJK
 - 8:30 a.m.—Program from Ireland: KIRE (17.84)
 - 8:30 a.m. (ex. Sun.)—News (English): VLB
 - 9 a.m.—Classical Music: DJL
 - 9:15 a.m. (ex. Sun.)—News: WLWO (6.06)
 - 9:15 a.m.—News (English): GSG GSF GSD
 - 10:30 a.m.—News (English): KGEI (21.5)
 - 12 noon—News (English): GSG GSF GSD
 - 1 p.m.—International Hour: HP5G
 - 1:30 p.m.—News (English): HP5G
 - 1:45 p.m.—Marilyn Ensemble: TGWA (15.17)
 - 2 p.m.—News (English): WHCA (21.63) WNBI (17.78)
 - 2 p.m.—News (English): GSG GSI GSD
 - 2:20 p.m.—News (English): 2R03 2R04
 - 2:30 p.m.—Program from Ireland: EIBE (9.695) (alternate days)
 - 3:15 p.m.—News (French and Italian): GSA GRN
 - 4:30 p.m. (ex. Sat., Sun.)—News (English): WSLR (11.79)
 - 5 p.m.—News (French): WRCA (21.63) WNBI (17.78)
 - 5:20 p.m.—Dance music: TAP (9.465)
 - 5:30 p.m. (ex. Sun.)—News (English): GSD GSF
 - 6:45 p.m.—Program from Portugal: CSW7
 - 7 p.m.—News (English): DJB DJD
 - 7 p.m.—Polish program: SPW
 - 7:15 p.m.—News (English): 2R09
 - 7:30 p.m. (ex. Sun.)—News (Spanish): W2NE (15.27) WCNB (9.59 or 6.06)
 - 7:45 p.m. (ex. Sat., Sun.)—News (English): WLWO (6.06)
 - 8 p.m.—News (English): RAN HKI HV96
 - 8:15 p.m. (ex. Sat., Sun.)—News (Portuguese): W2NE (15.27)
 - 8:30 p.m.—Today in Germany: DJB DJD
 - 8:30 p.m.—News (English): 2R03 2R04 2R05 2R06
 - 8:30 p.m.—News (English): GSB GSD GSF
 - 9:15 p.m.—News (English): KGEI
 - 9:15 p.m.—News (English): DJB DJD
 - 10 p.m.—News (Spanish): GSD GSC
 - 10:30 p.m.—North American transmission: TPA4 TPBII and (9.68)
 - 11:30 p.m.—News (English): DJB DJD
 - 12 mid.—News (English): KGEI
 - 12 mid.—News (English): GSB GSI GSD
 - 12 mid.—News (English): TPA4 TPBII and (9.68)
 - 12 mid. (ex. Wed., Fri.)—Marilyn Concert: TGWA (9.685)
 - 1:15 a.m.—News (French): TPA4 TPBII and (9.68)

On Short Waves
 Edited by Chas. A. Morrison
 President, International DX'ers Alliance

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

SEVERAL regular programs featured in the North American transmissions from England and Germany supplement the daily news periods by giving more detailed and interesting pictures of what is actually happening in wartime Europe. For example, in this week's programs from London we have: On Monday, September 25, at 11:15 p.m. EST, "Empire Exchange," talks by travelers from the Dominions and Colonies,

radiated by GSC and GSD; on Tuesday, September 26, at 11:15 p.m. EST, "Food for Thought," a topical talk radiated by GSC and GSD; on Wednesday, September 27, at 11:15 a.m. EST, "World Affairs," a talk by H. V. Hodson, radiated by GSG; on Thursday, September 28, at 7:45 p.m. EST, a topical discussion entitled, "Cards on the Table," radiated by GSD, and on Friday, September 29, at 11:15 p.m. EST, a talk entitled, "More Food for Thought," radiated by GSC and GSD.

In this week's programs from Berlin, we find: Daily at 7:30 p.m. EST, "Today in Germany," which presents short recordings of speeches or events of interest recorded during the day; on Wednesday, September 27, at 7:45 p.m. EST, and on Thursday, September 28, at 9 p.m. EST, press reviews in English, given by Hans Fritzsche, all three programs radiated by DJB and DJD.

Of similar nature, from Italy, Fridays at approximately 8:15 p.m. EST, a feature presented by Amy Bernardy, called, "Rome's Midnight Voice," is radiated by stations 2R03, 2R04, 2R06 and 2R08.

According to the French Consul General in New York City, "Paris Mondial," is now transmitting with a power of approximately 100,000 watts . . . GSW (7.23), Daventry's new frequency, is now in use daily from 6 a.m. to 12:45 p.m. EST . . . According to A. R. Tigg of London, England, a new Polish station called

Niepokolosow has recently been broadcasting on Sundays from 1 to 2 p.m. EST, over a frequency of 7.28 megacycles . . . Despite widely circulated reports to the contrary, OZG (11.805), the 25-meter band frequency of the Danish short-wave station has not radiated since August 10, 1937 . . . Robert Froelich of Evansville, Ind., writes he tuned in one of the experimental tests of the new Luxembourg short-wave transmitter broadcast on a frequency of 11.782 megs, between 10 and 11 p.m. EST. The announcements were in English, French, German and Spanish.

SHORT-WAVE SHORTS: Enrique Hidalgo of Cienfuegos, Cuba, notifies me that a new 5,000-watt Cuban station, COHI (6.45), located at Santo Clara, was officially inaugurated on September 1 . . . KGEI on Treasure Island, in San Francisco Bay, Calif., is now broadcasting daily from midnight to 3 a.m. EST, on a new frequency of 8.19 megs . . . The new Siberian station on 15.39 megs, is said to be RV99 of Irkutsk . . . The short-wave transmitters of the Lawrence Thaw trans-Asiatic Expedition, which left Paris some weeks ago for a 14,000 mile motor trip through Istanbul, Damascus, Baghdad, Herat, the Khyber Pass, Delhi and Calcutta, are licensed to use the calls W10XJP, W10XJQ, W10XJR and W10XJS, on frequencies of 3.4925 and 31.14 megs . . . Amateur transmissions from the New York World's Fair, sponsored by the "W2USA Radio Club," are now being made on Fridays at 9:45 p.m. EST. The 160-meter transmitter at the Fair is operated exclusively by blind operators from the New York Institute for the Education of the Blind . . . Even though the strength of its signals would seem to indicate it as a phony station, most listeners agree that VQ8JM (14.11), located at Port Louis on the remote island of Mauritius, is a legitimate amateur transmitter.



French announcer Joseph Pauze, heard over short-wave station WGEA (15.33)

French announcer Joseph Pauze, heard over short-wave station WGEA (15.33)

- Monday, September 25**
- For programs broadcast daily see Daily Programs (Col. 21)
- 10:30 a.m.—Moment Musical: WGEA (21.5)
 - 2:30 p.m.—Tommy Handley, in "It's That Man Again": GSG GSI GSD
 - 2:45 p.m.—Hollywood News: W2NE (17.83)
 - 4:45 p.m.—World in Review: WSLR (11.79)
 - 5 p.m.—Dance Hour: WGEA (15.33)
 - 5:30 p.m.—Portuguese Mail Bag: WRCA (21.63) WNBI (17.78)
 - 6 p.m.—English program: Radio Martiniere (9.7)
 - 7 p.m.—Alba Land: WGEA (9.55)
 - 7:15 p.m.—Budapest Concert Orchestra: HAT4
 - 7:30 p.m.—Tropical Moods: WGEA (9.53)
 - 7:45 p.m.—BBC Empire Orchestra: GSB GSD GSF
 - 7:45 p.m.—Harry James' Orchestra: HAT4
 - 8:15 p.m.—Mail Bag (Spanish): WGEA (9.53)
 - 8:30 p.m.—Mail Bag: 2R03 2R04 2R06 2R08
 - 8:45 p.m.—North American transmission: HBB (11.402)
 - 11:15 p.m.—"Empire Exchange," talk: GSB GSC GSD
 - 11:30 p.m.—Mexico Classics: WLWO (6.06)
 - 12:40 a.m.—English talk: JZK

- Tuesday, September 26**
- For programs broadcast daily see Daily Programs (Col. 21)
- 7:15 a.m.—Bobby Howell's Band: GSG GSI GSD
 - 12:30 p.m.—Broadcast from Alizers: TPZ (8.96)
 - 2 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry J. Wood: GSG GSI GSD
 - 3 p.m.—Army Band: WGEA (15.33)
 - 5 p.m.—BBC Empire Orchestra: GSD GSI
 - 6:15 p.m.—German Operetta: DJB DJD
 - 7 p.m.—Polish Orchestra: HAT4
 - 7:45 p.m.—Tuesday Symphonies: 2R03 2R04
 - 8:30 p.m.—Television Show: W2XBS (Sight 45.25; Sound 49.75)
 - 9 p.m.—English broadcast: TIANKH
 - 9 p.m.—Folk festivals: DJB DJD
 - 10 p.m.—Concert of Master Works: TGWA (9.685) TGWB
 - 10:30 p.m.—English Mail Bag: WNBI (6.1) WHCA (9.67)
 - 11:25 p.m.—Message from Paris: TPBII TPA4 and (9.68)
 - 12:30 a.m.—Mexico Classics: WLWO (6.06)

- Wednesday, September 27**
- For programs broadcast daily see Daily Programs (Col. 21)
- 11:15 a.m.—"World Affairs," H. V. Hodson: GSG
 - 12:30 p.m.—Dance Music: GSG GSI GSD
 - 2:15 p.m.—Phil Cardew: GSG GSI GSD
 - 3 p.m.—Navy Band: W2NE (17.83)
 - 4:30 p.m.—Church in the Wildwood: WGEA (15.33) WGEA (9.53)
 - 4:45 p.m.—Organ Beveries: WGEA (15.33)
 - 5:30 p.m.—Camera Club of the Air: W2NJ (25.3)
 - 7 p.m.—South American Hour: ZIZ
 - 7:40 p.m.—Transylvanian songs: HAT4
 - 7:45 p.m.—Press Review: DJB DJD
 - 8:25 p.m.—North American program: PCJ (9.59)
 - 8:45 p.m.—North American transmission: HBB
 - 10 p.m.—Understanding Music: WSLR (11.79)
 - 10:15 p.m.—Gypsy Orchestra: GSB GSD GSF
 - 11:20 p.m.—Message in English: TPBII TPA4 and (9.68)

- Thursday, September 28**
- For programs broadcast daily see Daily Programs (Col. 21)
- 7 a.m.—Program from Luxembourg: Radio Luxembourg (15.35)
 - 11 a.m.—Melody Maltree: WHCA (21.63) WNBI (17.78)
 - 1:15 p.m.—Scenes from "Parnell": GSG GSI GSD
 - 5 p.m.—For Listeners Aboard Ship: WSLR (11.79)
 - 5 p.m.—Gluck's "Iphigenie": DJB DJD
 - 7:15 p.m.—Gypsy Band: HAT4
 - 7:30 p.m.—Jack Jew's Orchestra: WGEA (9.55)
 - 7:45 p.m.—Cards on the Table: GSB GSD GSF
 - 8:30 p.m.—Television Show: W2XBS (Sight 45.25; Sound 49.75)
 - 10 p.m.—Chamber Music: TGWA (9.685) TGWB
 - 10:15 p.m.—Travel talk: KGEI (15.33)
 - 10:30 p.m.—At the Black Door: GSB GSC GSD
 - 11:20 p.m.—Talk in English: TPA4 TPBII and (9.68)
 - 12:20 a.m.—Miami Three Sisters, songs: JZK

- Friday, September 29**
- For programs broadcast daily see Daily Programs (Col. 21)
- 7 a.m.—Program from Luxembourg: Radio Luxembourg (15.35)
 - 7:15 a.m.—Friday Midday Concert: GSG GSI GSD
 - 8:30 a.m.—Music Hall: KGEI (9.53)
 - 9 a.m.—John B. Hughes, commentator: KGEI (9.53)
 - 2 p.m.—Life Begins at Sixty: GSG GSI GSD
 - 4:45 p.m.—Organ Beveries: WGEA (15.33)
 - 7:30 p.m.—Concert Orchestra: HAT4
 - 7:45 p.m.—Guest Night: 2R03 2R04 2R06 2R08
 - 8:15 p.m.—"Rome's Midnight Voice," Amy Bernardy: 2R03 2R04 2R06 2R08
 - 8:30 p.m.—Television Show: W2XBS (Sight 45.25; Sound 49.75)
 - 9:45 p.m.—Transmissions of "W2USA Radio Club" from New York World's Fair: Amateurs on all bands
 - 10:30 p.m.—BBC Military Band: GSB GSD GSF
 - 11 p.m.—Moonlight Music: WRCA (9.67) WNBI (6.1)
 - 11:15 p.m.—Talk, "More Food for Thought": GSB GSI GSD
 - 11:25 p.m.—Life in Paris: TPBII TPA4 and (9.68)
 - 11:30 p.m.—Popular Music: TGWA (9.685) TGWB

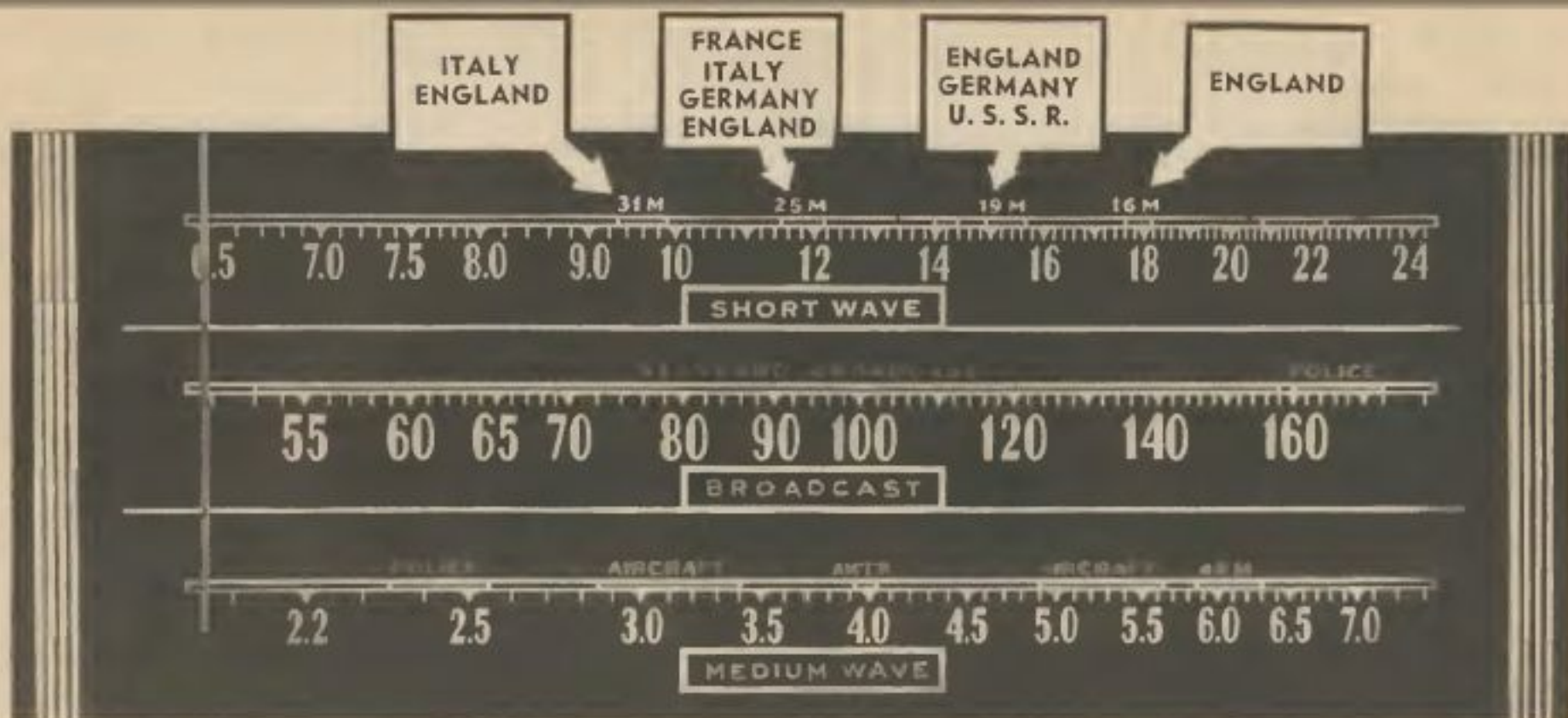
Saturday, September 23

- For programs broadcast daily see Daily Programs (Col. 21)
- 9:45 a.m.—Mail Bag: KGEI (9.53)
 - 11 a.m.—Syd Walker in "Mr. Walker Wonders": GSG GSI GSD
 - 12 noon—Mail Bag: WLWO (6.06)
 - 4 p.m.—English Mail Bag: TAP (9.465)
 - 6 p.m.—News (English): RNE
 - 7 p.m.—Royal Hungarian Opera House Orchestra: HAT4
 - 8:30 p.m.—Program from Hamilton: KQH (14.92)
 - 8:45 p.m.—Chamber Music: 2R03 2R04 2R06
 - 9 p.m.—North American program: SDP (11.705) SBT (15.155)
 - 9 p.m.—Hour of Costa Rica: TTPG
 - 10 p.m.—Germany As I Saw It: DJB DJD
 - 10 p.m.—English broadcast: TIANKH
 - 10:15 p.m.—Invitation to Dance: DJB DJD
 - 11:15 p.m.—Lucky Dip: GSB GSC GSD
 - 12 mid.—Marilyn Music: TGWA (9.685) TGWB

Sunday, September 24

- For programs broadcast daily see Daily Programs (Col. 21)
- 6:15 a.m.—National Brass Band and Championship Winner: GSG GSI GSD
 - 7:30 a.m.—Church services: VU2 (4.88)

- 8:15 a.m.—Choir Bell: WGEA (21.5)
- 9:25 a.m.—News (English): W2NE (17.83)
- 11 a.m.—Suevy in English: 2R06
- 11:30 a.m.—News (English): WLWO (6.06)
- 12:45 p.m.—Marilyn Ensemble: TGWA (15.17)
- 2 p.m.—Hour of the Tango: TGWA (15.17)
- 2:30 p.m.—Latin American Songs: TGWA (15.17)
- 3 p.m.—Trial of Captain Kidd: GSG GSI GSD
- 4:05 p.m.—News (English): GSG GSI GSD
- 4:30 p.m.—News (French): WNBI (17.78)
- 5 p.m.—Short Wave Listeners Mail Bag: CHNX
- 6:15 p.m.—Variety Show: DJB DJD
- 7 p.m.—Lecture of Nations program: HBB (11.402) HBU (14.535)
- 7:15 p.m.—Pan-American program: WGEA (9.55)
- 7:15 p.m.—Military Band Concert: TGWA (15.17)
- 7:30 p.m.—News (English): WLWO (6.06)
- 7:30 p.m.—News (English): GSB GSI GSD
- 7:45 p.m.—Opera, "La Forza del Destino": 2R03 2R04 2R06 2R08
- 8:25 p.m.—Netherlands program: PCJ (9.59)
- 8:30 p.m.—Paul Casan, organist: KGEI (15.33)
- 8:45 p.m.—Brazilian Orchestra: KGEI (15.33)
- 9 p.m.—International DX'ers Alliance Program from Buenos Aires: LRX (9.66)
- 9 p.m.—Voice of Hawaii: KQH (14.92)
- 9:15 p.m.—Our Sunday Concert: DJB DJD
- 10 p.m.—Symphonic Orchestra: TGWA (9.685)



Some radio dials are circular, some horizontal, in all the principle is the same. To tune in Europe turn to spots on short-wave band indicated by arrows above. Top row of large figures (6.5, 7.0, etc.) indicate megacycles, which are frequencies for short-wave tuning

EUROPE IS TALKING

Here are directions for tuning in war-torn Europe direct

DURING the past five years, most home radio receivers sold in America have been equipped for short-wave reception. Few purchasers of such sets have learned to use the short-wave band. But the war has changed that.

Today, as never before, listeners are struggling with their short-wave dials, trying to pick up news flashes from Germany, England, France, Russia. Hence our purpose here: To show listeners in simple terms the ins and outs of short wave—particularly as it operates under war-time conditions.

First, do this: Turn the button or switch on your set that brings in short waves. By doing so you leave swing bands, torch singers, and comedians behind and enter the red censored zone of radio. Most important spots in the zone are the sixteen-meter, nineteen-meter, twenty-five-meter, and thirty-one-meter bands. These should be plainly marked on your dial, probably with small thickened or colored lines indicated as 16 M or 19 M, as on the dial reproduced on this page. Some radio dials are straight, some are circular, but the principle remains the same. If there are no marks on your dial to indicate the short-wave bands, call in your service man or a short-wave amateur and have him designate the four bands clearly.

Having located them, the next problem is to choose which band to tune in. Each will bring in foreign stations, but at different hours, and under different atmospheric and seasonal conditions. At this time of the year tune to 16 M during daylight hours, 19 M from mid-afternoon through early evening, 25 M

THERE
WILL BE NO
BLACK-OUT OF
PEACE IN THE
U. S.—FOR.

FOR DAYLIGHT RECEPTION

16-METER BAND (17.85 to 17.76 megs)

ENGLAND—GSG, 17.79 megs—5:45 a.m. to 4 p.m. EST.
(Just a hair above WNBC (17.78), New York, in frequency.)

FROM MID-AFTERNOON THROUGH EARLY EVENING

19-METER BAND (15.41 to 15.04 megs)

ENGLAND—GSP, 15.31 megs—4:20 to 4:00 p.m. EST.
(Just a little bit below WCHB (15.31), McHenry, N. Y., in frequency.)
GERMANY—DJB, 15.20 megs—4:50 to 10:50 p.m. EST.
U. S. S. R.—RY96, 15.18 megs—7 to 9 p.m. EST.

(Has a hollow sound and usually a woman announcer. Sometimes inaudible and again may suffer from interference caused by DRD, Davosty, operating on the same channel but beamed on South America.)

ENGLAND—GSP, 15.14 megs—4:20 to 9:15 p.m. EST.
(The first station you will come to on the low-frequency side of the 19-meter band.)

FROM LATE AFTERNOON THROUGH EARLY EVENING

25-METER BAND (12 to 11.67 megs)

FRANCE—TPB11, 11.885 megs—9:30 p.m. to midnight EST.
(First loud station you will come to on the high-frequency side of the 25-meter band.)

ITALY—2R04, 11.81 megs—7:30 to 9:00 p.m. EST.
(Just a hair above loud Cuban station COBE (11.80), which can be easily picked out with its characteristic rumbas and fox-trots played in Latin style.)

GERMANY—DJD, 11.77 megs—4:50 to 10:50 p.m. EST.
ENGLAND—GSD, 11.75 megs—4:20 to 9:15 p.m. and from 9:40 to 11:30 p.m. EST.

EVENING HOURS ONLY

31-METER BAND (9.675 to 9.39 megs)

ITALY—2R03, 9.63 megs—7:30 to 9:00 p.m. EST.
(Woman announcer. Specializes in classical and opera music.)
ENGLAND—GSC, 9.58 megs—9:40 to 11:20 p.m. EST.
(Requires careful tuning as it is wedged in between American stations WCAB (9.50), Philadelphia, Pa., and WBOB (9.57), Boston.)
ENGLAND—GSS, 9.51 megs—9:40 to 11:30 p.m. EST.
(Just a trifle below WJED (9.51), Schenectady, N. Y., in frequency.)

Naturally there will be other stations, foreign and domestic, operating on some bands during periods given above, but keep the following distinguishing features in mind. Both Italy and U. S. S. R. use woman announcers. Prior to coming on the air, British stations given above usually use a constant tone signal to mark their frequency. German stations play a little music-box talk-tune over and over, while Italian stations have a twittering canary-bird signal. One of the easiest ways to locate these stations is to tune slowly across band at one of scheduled English news periods until you come to one of the above stations.

from late afternoon through the evening, 31 M for evening hours only.

Now consider the time of day. Assuming that you have chosen the appropriate band, you must now locate the country and station which will provide the best reception for that hour. Ordinarily, several stations will be audible on each band but only certain specific ones will be useful to the average listener. Always remember that only those stations which broadcast programs in English, beamed specifically on North America by means of directional antennae, will provide satisfactory reception on the standard receiver.

Many listeners have given up tuning short waves in disgust after one or two feeble attempts, mainly because they did not know exactly where and when to tune for foreign programs intended for their consumption. The recommended schedule outlined in the box on this page should do much to help such listeners. Without previous experience, they should be able to hear any of the stations listed four days out of five by using it and keeping in mind the tips given in this article. It may not be quite as easy to tune in London or Paris as it is to push a button for your favorite local station, but the knowledge of how to do it insures Americans of the right to hear both sides of the present conflict—and to decide for themselves. That is the American Way.

For war news in English, German, Italian and French direct from the war capitals turn to "On Short Waves," Page 16. A new feature of this department, "War News from War Capitals," gives full details of time, frequency and call letters.

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CHX, Canada	4.13	OAX42, Peru	9.24
COG, Cuba	4.83	OLR4A, Bohemia	11.24
CRW7, Portugal	9.738	OFZ, Denmark	6.68
DJB, Germany	14.80	OF16, "	13.32
DJD, "	11.77	PCJ, Holland	9.59, 15.22
DJL, "	15.11	PHI, "	17.719
DJZ, "	11.60	RAN, U.S.S.R.	9.00
EAG, Spain	9.64	RKI, "	15.08
EIRE, Ireland	17.84, 9.285	RNE, "	12.00
		RV96, "	15.18
FORAA, Tabou	7.1	SBP, Sweden	11.705
GRX, England	3.80	SPD, Poland	11.53
GRV, "	5.00	SPW, "	13.04
GSA, "	6.05	TFJ, Iceland	12.80
GSD, "	9.51	TGWA, Guatemala	15.17
GSC, "	9.58	TGWI, "	6.49
GSO, "	11.75	TGZ, "	4.195
GSE, "	11.80	TIPG, Costa Rica	9.812
GSI, "	15.14	TJANR11, "	9.098
GSO, "	17.79	TPA2, France	15.24
GRI, "	21.47	TPA3, "	11.85
GRI, "	15.80	TPA4, "	11.71
GSI, "	21.58	TPB3, "	11.885
GSD, "	15.18	TPB11, "	11.885
GSP, "	15.31	TKMT, Australia	5.59
GSV, "	17.81	TKRMZ, "	9.41
		VLB, "	9.68
HAG, Hungary	15.71	WIXAL, Boston, Mass.	13.25, 11.79, 6.04
HAT4, "	9.12	WIXAR, Boston, Mass.	11.73, 10.13
HJ, Switzerland	14.025	XECH, Mexico, D.F.	1.38
HRO, "	11.402	XEUZ, "	6.12
HCI2B, Ecuador	14.40	XEWV, "	9.6
HCI2B, "	12.40	XGJ, China	11.3, 17.8
HCI2L, "	6.948	XGPA, "	7.01
HPIA, Panama	11.7	YVSHW, Venezuela	6.95
HP50, "	11.78	ZLZ, St. Kitts	6.955
HP13, "	9.80	ZRL, So. Africa	9.81
HV7, Vatican City	15.12, 3.96, 6.80	ZRO3, Italy	9.635
IRF, Italy	9.83	ZRO4, "	11.81
JZJ, Japan	11.30	ZRO6, "	15.30
JZK, "	15.18	ZRO8, "	17.82
JZL, "	11.785	ZRO9, "	9.67
LHX, Argentina	9.60		

Due to war conditions now existing in Europe, all programs from European countries are tentative and are subject to change without notice.

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

Daily Programs, Sat., Sept. 30, through Fri., Oct. 6

Programs listed here are those broadcast daily at the same time. Exceptions are indicated.

8 a.m.—Pick-ups from War Capitals: WCBX (21.57) WRCA (17.78) WPIT (15.21)

8 a.m.—Radio Newspaper: PHH PCJ (15.22)

8 a.m.—Program of classical music from Germany: DJL

8:15 a.m. (ex. Sun.)—News: WLWO (6.06)

8:25 a.m.—News (English): JZJ JZK

9 a.m. (ex. Sun.)—News (English): WRCA (17.78) WGEA (15.33)

9 a.m.—Big Bear: GSF GSG GSI

9:30 a.m.—News (English): KGEI (21.5)

11 a.m. (ex. Sun.)—News (English): ZRO6

11:30 a.m. (ex. Sun.)—News (English): WLWO (6.06)

11:30 a.m.—Program from Ireland: EIRE (17.84)

12 noon (ex. Sun.)—European Pick-ups: WRCA (17.78) WPIT (15.21) WGEA (15.33)

12:17 p.m.—Arabic program from London: GSP

12:30 p.m. (ex. Sun.)—Faro program: WGEA (15.33)

12:30 p.m.—News (English): HP5G

12:45 p.m. (ex. Sun.)—News (English): WRCA (21.63) WNBI (17.78)

1:20 p.m.—News (English): ZRO3 ZRO4

1:30 p.m. (ex. Sat., Sun.)—News (English): WCBX (15.27)

1:30 p.m.—Program from Ireland: EIRE (9.695 alternate days)

2:15 p.m.—News (French and Italian): GSA GRX

3 p.m.—Variety program from Rome: ZRO6 ZRO9

3:30 p.m. (ex. Sat., Sun.)—News (English): WCBX (11.83)

3:30 p.m. (ex. Sat., Sun.)—News (English): WRUL (11.79-15.13)

4 p.m.—News (French): WRCA (21.63) WNBI (17.78)

4:10 p.m.—News (English): KGEI (15.33)

4:15 p.m.—News (English): YUC (9.505)

4:20 p.m.—Dance music: TAP (9.465)

4:55 p.m.—News (English): WGEA (15.33)

5 p.m. (ex. Sun.)—News (French, Italian): WCBX (11.83)

5:15 p.m.—European Pick-ups: WNBI (17.78) WGEA (9.53) WPIY (11.87)

6 p.m. (ex. Sat.)—News (English): WCBX (11.83)

6 p.m. (ex. Sat., Sun.)—News (English): WRUL (6.04)

6 & 9 p.m. (ex. Sun.)—News (Spanish): WNBI (17.78) WRCA (9.67)

6 p.m.—Polish Program for North America: SPW

6:05 p.m. (ex. Sat., Sun.)—News, Edwin C. Hill: WCBX (11.83)

6:15 p.m.—News (English): ZRO9

6:25 p.m. (ex. Sun.)—News (English): WNBI (17.78) WGEA (9.53)

6:30 p.m.—News (English): HP5A

6:45 p.m. (ex. Sat., Sun.)—Pick-ups from Europe War Capitals: WCBX (11.83)

7 p.m. (ex. Sat.)—Program from Budapest: HAT4

7 p.m.—News (English): HP5A

7:15 p.m. (ex. Sun.)—European Pick-ups: WGEA (9.53) WNBI (17.78)

7:15 p.m. (ex. Sat., Sun.)—News (Portuguese): WCBX (11.83)

7:30 p.m. (ex. Sat.)—News (English): HAT4

7:35 p.m.—North American program from Prague: HL144 (11.84)

8 p.m. (ex. Sat., Sun.)—Latin American program: WRUL (15.13-11.79)

On Short Waves

Edited by Charles A. Morrison

President, International DX'ers Alliance

War News from the War Capitals

For war news direct from foreign capitals tune in the following short-wave stations at the time shown. The frequencies are shown in megacycles. You will find an illustrated explanation on how to tune for short-wave programs on page 11 in this issue of Radio Guide.

DAILY PROGRAMS IN ENGLISH

MORNING							
CST TIME	CITY	STATION	DIAL	STATION	DIAL	STATION	DIAL
2:00 a.m.	London	GSS	9.51	GSD	11.75	GSI	15.26
7:15 a.m.	London	GSG	17.79	GSF	15.14	GSJ	21.58
10:00 a.m.	Rome	ZRO6	15.30				
10:00 a.m.	London	GSF	15.14	GSG	17.79	GSJ	21.58
AFTERNOON							
CST TIME	CITY	STATION	DIAL	STATION	DIAL	STATION	DIAL
12:00 noon	Paris	TPA2	15.243				
12:00 noon	London	GSG	17.79	GSI	15.26	GSD	11.75
12:20 p.m.	Rome	ZRO3	9.635	ZRO4	11.81		
3:05 p.m.	London	GSC	9.58	GSP	15.31	GSD	11.75
3:30 p.m.	London	GSD	11.75	GSP	15.31		
4:00 p.m.	Moscow	RNE	12.00				
5:00 p.m.	Berlin	DJB	15.20	DJD	11.77		
5:15 p.m.	Rome	ZRO9	9.67				
EVENING							
CST TIME	CITY	STATION	DIAL	STATION	DIAL	STATION	DIAL
6:00 p.m.	Moscow	RAN	9.60	RKI	15.08	RV96	15.18
6:30 p.m.	Rome	ZRO3	9.635	ZRO4	11.81	ZRO6	15.30
6:30 p.m.	London	GSS	9.51	GSD	11.75	GSF	15.14
6:45 p.m.	Berlin	DJB	15.20	DJD	11.77		
7:00 p.m.	Paris	TPA4	11.71	TPB11	11.885		
7:15 p.m.	Berlin	DJB	15.20	DJD	11.77		
8:00 p.m.	Berlin	DJB	15.20	DJD	11.77		
9:30 p.m.	Berlin	DJB	15.20	DJD	11.77		
10:00 p.m.	London	GSS	9.51	GSC	9.58	GSD	11.75
10:00 p.m.	Paris	TPA4	11.71	TPB11	11.885		

DAILY PROGRAMS IN FOREIGN LANGUAGES

CST TIME	CITY	STATION	DIAL	STATION	DIAL	STATION	DIAL
1:15 p.m.	London	GSA	6.05	GRX	9.69		
6:00 p.m.	London	GSO	15.18	GSC	9.58		
7:00 p.m.	Paris	TPA4	11.71	TPB11	11.885		
8:00 p.m.	London	GSO	15.18	GSC	9.58		
11:15 p.m.	Paris	TPA4	11.71	TPB11	11.885		

8 p.m.—News (Spanish): KGEI (15.33)

8 p.m.—News (French): TPA4 TPB11 and (9.68)

8:15 p.m.—News (English): JZL

8:15 p.m.—News (English): KGEI

8:55 p.m.—News (English): WCBX (11.83)

9 p.m.—Program from Yunnan, China: XGX (17.8)

9:30 p.m.—North American transmission from France: TPB11 TPA4 and (9.68)

10 p.m.—News (English): WRCA (9.67) WNBI (6.1)

11 p.m. (ex. Sat., Sun.)—News (English): WRUL (6.04-11.73)

11 p.m.—News (English): WLWO (6.06)

11 p.m.—News (English): KGEI (15.33)

11 p.m.—News (English): WCBX (9.65)

12 mid.—News (English): WLWO (6.06)

12 mid.—European Pick-ups: WNBI (6.1)

12:05 a.m.—News (English): JZK

1:55 a.m.—News (English): WCBX (6.12) WNBI (6.1)

2:25 a.m.—News (English): WLWO (6.06)

9 p.m.—Dance music: YVSHN

10 p.m.—Spartan DX Broadcast: YNDG (13.9)

11 p.m.—Marimba dance music: TGWA (9.685)

1 a.m.—DX program: TGWA (9.685) TGWB

Sunday, October 1

For programs broadcast daily see Daily Programs (Col. 1)

8:15 a.m.—"Who's in Town?": KGEI (9.53)

9 a.m.—Pick-ups from Europe War Capitals: WCBX (21.57)

10 a.m.—Church of the Air: WCBX (21.57)

11 a.m.—News (English): WRCA (17.78) WGEA (15.33)

11:30 a.m.—News (English): WLWO (6.06)

1:40 p.m.—Raul Panlaza, pianist: TGWA (15.17)

1:55 p.m.—Episcopal services: GSD GSI GSP

2 p.m.—Heur of the Tango: TGWA (15.17)

2:30 p.m.—Latin American songs: TGWA (15.17)

2:45 p.m.—News (Italian): WRCA (21.63) WNBI (17.78)

4:30 p.m.—News (French): WNBI (17.78) WRCA (21.63)

5 p.m.—Short-Wave Listeners' Mail Bag: CHX

6:15 p.m.—Canadian Grenadier Band: WGEA (9.55)

7 p.m.—Pick-Ups from European War Capitals: WCBX (11.83)

7:15 p.m.—Alice Volinsky, songs: HAT4

7:30 p.m.—Sander Orhan, songs: HAT4

7:30 p.m.—News (English): WLWO (6.06)

7:45 p.m.—Opera Broadcast: ZRO3 ZRO4 ZRO6 HPF

8 p.m.—Cuban Band Concert: COCO (8.7)

8:25 p.m.—Netherlands program: PCJ (9.59)

8:30 p.m.—Paul Carson, organist: KGEI (15.33)

8:55 p.m.—Harvest Hurley: GSB GSD GSF

9 p.m.—News: TGWA (9.685) TGWB

9 p.m.—Voice of Hawaii: KQI (14.92)

10 p.m.—News (English): WGEA (9.53)

11 p.m.—Marimba music: TGWA (9.685) TGWB

Saturday, September 30

For programs broadcast daily see Daily Programs (Col. 1)

9 a.m.—Reinold Kise's orchestra: GSF GSG

9:25 a.m.—News (English): WCBX (21.57)

10:20 a.m.—Rugby Football: Australia vs. Cardiff: GSF GSG GSI

11 a.m.—Mail Bag: WLWO (6.06)

3 p.m.—Trans-Ship GSP GSI GSG

3 p.m.—English Mail Bag: TAP (9.465)

5:15 p.m.—Yascha Krein's Gypsy Orchestra: GSD

6:15 p.m.—Operetta, "Gasparone": DJB DJD

7:30 p.m.—Concert Hall: WGEA (9.55)

7:45 p.m.—London Leg: GSB GSD GSF

8 p.m.—North American program: SBP (11.705) SHY (15.155)

8:45 p.m.—Treasure Island Brazilian Orchestra: KGEI (15.33)

Monday, October 2

For programs broadcast daily see Daily Programs (Col. 1)

10:30 a.m.—By the Fireside: GSG GSP GSI

2 p.m.—Drama, "Americans at Work": WCBX (15.27)

3 p.m.—French Hour: WGEA (15.33)

3:45 p.m.—Peggy Dreamed: GSG GSP GSD

4 p.m.—European news (German, French, Italian, English): WRUL (11.79-15.13)

4:45 p.m.—World in Review: WRUL (11.79)

4:45 p.m.—French Mail Bag: WRCA (21.63) WNBI (17.78)

5 p.m.—Scientific news: WRUL (11.79-15.13)

5:30 p.m.—Round Table Discussion: WRUL (6.04-15.13)

6 p.m.—Science news: WGEA (9.53)

6:45 p.m.—Lieder Recital: GSB GSD GSF

7 p.m.—Aloha Land: WGEA (9.55)

7:15 p.m.—Candice music: HAT4

7:45 p.m.—Military Band: HAT4

8:15 p.m.—Mail Bag (Spanish): WGEA (9.53)

9:45 p.m.—Empire Exchange, talk: GSB GSD

10:20 p.m.—Talk in English: TPB11 TPA4 and (9.68)

11 p.m.—News (English): WRUL (6.04-11.73)

Tuesday, October 3

For programs broadcast daily see Daily Programs (Col. 1)

8:30 a.m.—Talk, "Food for Thought": GSG GSP

1:30 p.m.—Brian Lawrence's Sextet: GSG GSI

3 p.m.—Army Band: WGEA (15.33)

4:45 p.m.—Broadway and Hollywood (French): WRCA (21.63) WNBI (17.78)

5:30 p.m.—The Listener's Post Box: WRUL (11.79)

6:30 p.m.—"Kaltenborn Edits the News": WCBX (11.83)

6:30 p.m.—Scrapbook for 1906: GSD GSD GSF

7 p.m.—Army Band: KGEI (15.33)

7 p.m.—Military Band: HAT4

7:45 p.m.—Pati Pertis' Gypsy Band: HAT4

9 p.m.—English broadcast: TMNRH

10 p.m.—Splendors of Literature: WRUL (6.04-11.73)

11 p.m.—Marimba Ensemble: TGWA (9.685)

12:15 a.m.—News (Spanish): WLWO (6.06)

12:30 a.m.—Musica Classica: WLWO (6.06)

Wednesday, October 4

For programs broadcast daily see Daily Programs (Col. 1)

9 a.m.—Program from Luxembourg: Radio Luxembourg (15.35)

11:15 a.m.—"World Affairs," H. Wickham Steed: GSG GSP GSI

3 p.m.—Navy Band: WCBX (15.27)

4:45 p.m.—Organ reveries: WGEA (15.33)

5 p.m.—Pronounce It, Please: WRUL (11.79-15.13)

5:15 p.m.—Violin Recital: GSD GSP

6 p.m.—Ari in the News: WGEA (9.53)

7 p.m.—North American Hour: ZIZ

7 p.m.—Military Band: HAT4

7:45 p.m.—Press Reviews: DJB DJD

8:15 p.m.—Tourist Notes: ZRO3 ZRO4 ZRO6 HPF

8:30 p.m.—Time Marches Back: GSB GSD GSF

10 p.m.—Understanding Music: WRUL (6.04-11.73)

10:15 p.m.—Opera, "Rigoletto": TGWA (9.685)

11:20 p.m.—Message in English: TPB11 TPA4 and (9.68)

11:30 p.m.—Popular music: TGWA (9.685) TGWB

Thursday, October 5

For programs broadcast daily see Daily Programs (Col. 1)

10:20 a.m.—Henry Hall's Orchestra: GSG GSP

11 a.m.—Melody Makers: WRCA (21.63) WNBI (17.78)

2 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry J. Wood: GSG GSP GSD

3:30 p.m.—Hockey: GSG GSP GSD

5 p.m.—Understanding Music: WRUL (6.04-11.73)

5:30 p.m.—Science Forum: WGEA (9.53)

6:15 p.m.—"Tomlinson from the Other Americas": WPIT (11.87)

7 p.m.—Violin, cello and piano: GSB GSD GSF

7 p.m.—Post Orchestra: HAT4

8 p.m.—Concert Hall: WGEA (9.53)

9 p.m.—Press Review: DJB DJD

10 p.m.—Elements of Aviation: WRUL (6.04-11.73)

10:15 p.m.—Travel talk: KGEI (15.33)

11:20 p.m.—Talk in English: TPA4 TPB11 and (9.68)

Friday, October 6

For programs broadcast daily see Daily Programs (Col. 1)

9 a.m.—John B. Hughes, commentator: KGEI (9.53)

2 p.m.—Play, "The Yellow Devil": GSG GSP

2:35 p.m.—Sandy Marcherson, organist: GSG

3:15 p.m.—Time Marches Back: GSG GSP GSD

4 p.m.—Western Radio Course: WRUL (11.79-15.13)

5 p.m.—WZUSA Radio Club Program: WZJL (25.3)

5 p.m.—Piano Recital: GSD GSP

7:40 p.m.—Imre Palla, songs: HAT4

8:15 p.m.—Amy Bernardy: ZRO3 ZRO4 ZRO6 HPF

8:30 p.m.—Television Show: W2XBS (Sight 45.25; Sound 49.75)

9:45 p.m.—Transmissions of "WZUSA Radio Club" from N. Y. World's Fair: Amateurs on All Bands

10 p.m.—College Mail Bag: WRUL (6.04-11.73)

10:30 p.m.—BBC Military Band: GSB GSD GSI

11:25 p.m.—Talk, "Life in Paris": TPB11 TPA4 and (9.68)

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

(Megacycles or thousands of kilocycles shown)

CHXX, Canada	6.10	RAN, U.S.S.R.	9.60
COCU, Cuba	8.85	RKI	16.98
CSW7, Portugal	9.525	RNE	18.00
DJB, Germany	15.20	RV96	18.18
DJD	11.77	SDP, Sweden	11.705
DJL	16.11	SPD, Poland	11.53
EAG, Spain	9.86	SPW	18.44
KIRE, Ireland		TF7, Ireland	12.22
FOAAA, Tahiti	17.84, 9.695	TGWA, Guatemala	16.17
GRX, England	9.69	TOWB	6.49
GRY	9.00	TIPG, Costa Rica	6.105
GSA	9.58	TPA2, France	9.638
GSC	9.51	TPA3	15.24
GSD	9.54	TPA4	11.88
GSE	11.75	TPA4	11.71
GSE	11.64	TPB3	17.48
GSE	16.14	TPR11	11.865
GSO	17.79	VKXME, Australia	9.89
GSH	21.47	VKXME	9.31
GSI	18.95	VLR	9.58
GSL	21.58	WCAR, Philadelphia	
GSO	18.18	Pa.	21.52, 6.06
GSP	18.31	WCBX, New York City	
GSV	17.83	El M., 16.27, 11.87,	
HAT4, Hungary	9.12		9.65, 6.12
HBB, Switzerland	14.335	WGEA, Schenectady,	
HBO	11.402	N. Y.	21.3, 15.33, 9.55
HCBZ, Ecuador	14.83	WGOE, Schenectady,	
HCSB	18.46	N. Y.	9.50
HCSRL	6.356	WLWO, Cincinnati,	
HP5A, Panama	11.7	Ohio	6.66
HP5H	11.74	WRUL, Boston, Mass.	
HP5J	9.80		11.79, 6.04
HWJ, Vastana City	15.12, 9.46, 6.03	WRUW, Boston, Mass.	
IRF, Italy	9.53	XECR, Mexico, D.F.	7.29
JZJ, Japan	11.80	XEUZ	4.12
JZL	15.18	XEWV	9.5
JZL	17.795	XGX, China	11.9, 17.8
KOEI, San Francisco	9.51	XPSA	7.01
Calif.	9.51, 15.33	YVBRB, Venezuela	5.04
LAX, Argentina	9.66	ZIZ, St. Kitts	6.385
OAX47, Peru	9.94	ZRI, So. Africa	9.81
OL24A, Bohemia	11.84	ZRO3, Italy	9.635
OZE, Denmark	9.52	ZRO4	11.81
OZH	15.32	ZRO6	15.30
PCI, Holland	9.80, 15.32	ZRO4	17.82
PKI	17.75	ZRO8	9.67

Due to war conditions now existing in Europe all programs from European countries are tentative and are subject to change without notice.

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

Daily Programs, Sat., Oct. 7, through Fri., Oct. 13

Programs listed here are those broadcast daily at the same time. Exceptions are indicated

- 8 a.m.—European Pickup: WPIT (21.54) WGEA (21.50)
- 8 a.m.—Radio Newspaper: PHH PCJ (15.22)
- 8 a.m.—North American transmission from Berlin: HBI
- 8:25 a.m.—News (English): JZJ JZK
- 9 a.m.—News (English): WPIT (15.21) WNB1 (17.78) WGEA (21.5)
- 9 a.m.—Big Ben: GSF G-G GSI
- 9:30 a.m.—News (English): KGEI (9.53)
- 11 a.m.—News (English): WCBX (21.57)
- 11:30 a.m. (ex. Sun.)—News (English): WLWO (5.06)
- 12 noon (ex. Sun.)—European Pickup: WGEA (15.33) WPIT (15.21)
- 12:17 p.m.—Arabic program from London: GSP
- 12:30 p.m. (ex. Sun.)—Farm program: WGEA (15.33)
- 12:45 p.m. (ex. Sun.)—News (English): WGEA (15.33)
- 1 p.m.—News (English): OZH
- 3 p.m.—Variety program from Rome: ZRO6 ZRO9
- 3:30 p.m. (ex. Sat., Sun.)—News (English): WCBX (11.83)
- 4 p.m.—News (French): WRUA (21.63) WNB1 (17.78)
- 4:15 p.m.—News (English): YF (9.505)
- 4:20 p.m.—Dance music: TAP (9.465)
- 4:30 p.m.—News (English): EIRE (17.84 or 9.595)
- 5 p.m. (ex. Sun.)—News (Italian, French): WCBX (11.83)
- 5:15 p.m.—European Pickups: WPIT (11.87) WGEA (15.33)
- 5:45 p.m.—Program from Portugal: CSW7
- 6 p.m. (ex. Sun.)—News (English): WRUL (6.04) WRUW (15.13)
- 6 & 9 p.m. (ex. Sun.)—News (Spanish): WNB1 (17.78)
- 6:25 p.m. (ex. Sun.)—News (English): WGEA (9.53) WPIT (11.87)
- 6:30 p.m.—News (English): HP5A
- 6:45 p.m. (ex. Sat., Sun.)—European Pickup: WCBX (11.83)
- 7 p.m.—News (English): HP5A
- 7:15 p.m.—European Pickups: WGEA (9.53)
- 7:15 p.m. (ex. Sat., Sun.)—News (Portuguese): WCBX (11.83)
- 7:15 p.m. (ex. Sun.)—News (English): WGEA (9.53) WNB1 (17.78)
- 7:30 p.m. (ex. Sat.)—News (English): HAT4
- 7:30 p.m.—Today in Germany: DJB HJ1
- 7:55 p.m.—North American program: OL24A (11.84)
- 8 p.m. (ex. Sat., Sun.)—Latin American program: WRUL (15.13) WRUW (11.79)
- 8 p.m.—News (Spanish): KGEI (15.33)
- 8:10 p.m.—News (English): KGEI (15.33)
- 8:15 p.m.—News (English): JZL
- 8:25 p.m.—News (English): EAQ
- 9:30 p.m.—North American transmission: TPB11 TP14 and (9.68)
- 10 p.m.—European Pickup: WPIT (11.87)
- 11 p.m. (ex. Sat., Sun.)—News (English): WRUL (6.04) WRUW (11.73)
- 12:05 a.m.—News (English): JZK

On Short Waves

Edited by Charles A. Morrison

President, International DX'ers Alliance

As we go to press, programs from Berlin and London stations have not arrived. Therefore, for the first time in five years, they are not included in Radio Guide

Saturday, October 7

- For programs broadcast daily see Daily Programs (Oct. 7)
- 9:20 a.m.—Opera, "The Marriage of Figaro," Mozart: G-G GSF G-S
- 9:25 a.m.—News (English): WCBX (21.57)
- 11 a.m.—News (French, German, Italian, Polish): WCBX (21.57)
- 3 p.m.—English Mail Box: TAP (9.465)
- 4 p.m.—Promenade Concert: BBC Symphony Orchestra, conducted by Sir Henry J. Wood: G-G GSP GSD
- 5 p.m.—Variety Hour: WHH (6.04) WRUW (11.73)
- 5 p.m.—News (English): RNE
- 5 p.m.—Tourist Hour: HP5A
- 6:30 p.m.—Pickups from Europe: WCBX (11.83)
- 7:45 p.m.—Chamber music: ZRO3 ZRO4 ZRO6
- 8 p.m.—North American program: SBP (11.705) SBT (15.155)
- 8 p.m.—The Hour of Last Rite: TIPG
- 8:45 p.m.—Television Band: Caribbean Orchestra: KGEI (15.33)
- 10 p.m.—Spartan DX Broadcast from Nicaragua: YNDG (13.9)
- 11:30 p.m.—Talk in English: TPB11 TP14 and (9.68)
- 12 mid.—News (English): TGWA (9.685) TGWB

Sunday, October 8

- For programs broadcast daily see Daily Programs (Oct. 8)
- 8 a.m.—Program from Denmark: OZH
- 9 a.m.—European Pickup: WCBX (21.57)
- 11 a.m.—Survey in English: ZRO6

- 12:45 p.m.—Mantika Ensemble: TGWA (15.17)
- 1:40 p.m.—Paul Panizza, pianist: TGWA (15.17)
- 2 p.m.—Horn of the Tanga: TGWA (15.17)
- 2 p.m.—Democracy in Action: WCBX (11.83)
- 2:45 p.m.—News (Italian): WRUA (21.63) WNB1 (17.78)
- 3 p.m.—Radio El Mundo dance program from Buenos Aires: LBN
- 4 p.m.—News (English): HNE (12)
- 4:55 p.m.—News (English): WCBX (11.83)
- 6 p.m.—Mexican Hour: XFCB XFWW
- 7 p.m.—European Pickups: WCBX (11.83)
- 7:15 p.m.—Military Band Concert: TGWA (9.685)
- 7:25 p.m.—Evangelical Services: H9B (6.35)
- 7:45 p.m.—Opera, "I Vespri Siciliani": ZRO3 ZRO4 ZRO6 HIF
- 8 p.m.—Cuban Band Concert: COCO (8.7)
- 8:30 p.m.—Paul Carson, organist: KGEI (15.33)
- 9 p.m.—News: TGWA (9.685) TGWB
- 9 p.m.—Voice of Hawaii: KJH (14.92)
- 10 a.m.—News (English): WGEA (9.53)
- 11 p.m.—News (English): WPIT (6.14)
- 12:55 a.m.—News (English): WPIT (16.14) WNB1 (6.1)
- 1:25 a.m.—News (English): WLWO (5.06)

Monday, October 9

- For programs broadcast daily see Daily Programs (Oct. 9)
- 10:30 a.m.—Moment Musical: WGEA (21.5)
- 2:30 p.m.—Hollywood News: WCBX (15.27)
- 3 p.m.—The French Hour: WGEA (15.33)
- 4:45 p.m.—Organ Recitals: WGEA (15.33)
- 5 p.m.—Scientific News: WRUL (11.79) WRUW (15.13)

War News from the War Capitals

For war news direct from foreign capitals tune in the following short-wave stations at the time shown. The frequencies are shown in megacycles.

DAILY PROGRAMS IN ENGLISH

MORNING							
EST TIME	CITY	STATION	DIAL	STATION	DIAL	STATION	DIAL
3:00 a.m.	London	GSB	9.51	GSD	11.75	GSI	15.26
8:15 a.m.	London	GSG	17.79	GSF	15.14	GSJ	21.58
11:00 a.m.	Rome	ZRO6	15.30				
11:00 a.m.	London	GSF	15.14	GSB	17.79	GSJ	21.58
AFTERNOON							
EST TIME	CITY	STATION	DIAL	STATION	DIAL	STATION	DIAL
12:30 p.m.	London	GSG	17.79	GSI	15.26		
1:00 p.m.	Paris	TPA2	15.243				
1:20 p.m.	Rome	ZRO3	9.635	ZRO4	11.81		
2:00 p.m.	London	GSB	17.79	GSI	15.26		
3:50 p.m.	London	GSG	17.79	GSP	15.31	GSD	11.75
4:45 p.m.	London	GSP	15.31	GSD	11.75		
5:00 p.m.	Moscow	RNE	12.00				

EVENING							
EST TIME	CITY	STATION	DIAL	STATION	DIAL	STATION	DIAL
6:00 p.m.	Berlin	DJB	15.20	DJD	11.77		
6:15 p.m.	Rome	ZRO9	9.67				
6:30 p.m.	London	GSD	11.75	GSF	15.14		
7:00 p.m.	Moscow	RAN	9.60	RKI	15.08	RV96	15.18
7:30 p.m.	Rome	ZRO3	9.635	ZRO4	11.81	ZRO6	15.30
7:30 p.m.	London	GSB	9.51	GSD	11.75	GSF	15.14
7:45 p.m.	Berlin	DJB	15.20	DJD	11.77		
8:00 p.m.	Paris	TPA4	11.71	TPB11	11.885		
8:15 p.m.	Berlin	DJB	15.20	DJD	11.77		
9:00 p.m.	Berlin	DJB	15.20	DJD	11.77		
9:45 p.m.	London	GSD	11.75	GSC	9.58	GSB	9.51
10:30 p.m.	Berlin	DJB	15.20	DJD	11.77		
11:00 p.m.	London	GSB	9.51	GSC	9.58	GSD	11.75
11:00 p.m.	Paris	TPA4	11.71	TPB11	11.885		

DAILY PROGRAMS IN FOREIGN LANGUAGES

EST TIME	CITY	STATION	DIAL	STATION	DIAL	STATION	DIAL	NOTES
2:15 p.m.	London	GSA	6.05	GRX	9.69			Fr. & Ital.
7:00 p.m.	London	GSO	15.18	GSC	9.58			Portuguese
8:00 p.m.	Paris	TPA4	11.71	TPB11	11.885			French
9:00 p.m.	London	GSO	15.18	GSC	9.58			Spanish
12:15 a.m.	Paris	TPA4	11.71	TPB11	11.885			French

- 5:30 p.m.—Trooperlog: WGEA (9.53) WGEA (15.33)
- 6 p.m.—English program from Martinique: Radio Martinique (9.7)
- 7 p.m.—Aloha Land: WGEA (9.55)
- 7:30 p.m.—Tropical Moods: WGEA (9.53)
- 7:45 p.m.—Italy, Land of Song: ZRO3 ZRO4 ZRO6 HIF
- 7:45 p.m.—Military Band: HAT4
- 8:15 p.m.—Folk-song: ZRO3 ZRO4 ZRO6 HIF
- 8:30 p.m.—Mail Box: ZRO3 ZRO4 ZRO6 HIF
- 8:45 p.m.—North American transmission from Switzerland: H9B (11.402)
- 10:20 p.m.—Talk in English from Paris: TPB11 TP14 and (9.68)
- 11 p.m.—National Police Force Band: TGWA (9.685)
- 12:30 a.m.—Meet the Scientist: KGEI (9.53)

Tuesday, October 10

- For programs broadcast daily see Daily Programs (Oct. 10)
- 7 a.m.—The Concert Master: KGEI (9.53)
- 3 p.m.—Army Band: WGEA (15.33)
- 5 a.m.—International Postmaster: WRUL (11.79) WRUW (15.13)
- 7 p.m.—Continental transmission from Luxembourg: Radio Luxembourg (11.78)
- 7:45 p.m.—Gypsy Hour: HAT4
- 7:45 p.m.—Toscani Symphonies: ZRO3 ZRO4 ZRO6 HIF
- 8:10 p.m.—Program from Ecuador: HCBZ (6.356)
- 8:15 p.m.—Talk, "Carmel Godolphin," summer 1951, diary of the Poetess: ZRO3 ZRO4 ZRO6 HIF
- 8:45 p.m.—Hague Program from Netherlands: PCJ (9.99)
- 9 p.m.—English broadcast from Costa Rica: TPB11
- 10:30 p.m.—English Mail Box: WNB1 (5.1) WNB1 (9.67)
- 11 p.m.—Mantika Ensemble: TGWA (9.685) TGWB

Wednesday, October 11

- For programs broadcast daily see Daily Programs (Oct. 11)
- 3 p.m.—Navy Band: WCBX (15.27)
- 4:30 p.m.—Church in the Wilderness: WGEA (15.33) WGEA (9.53)
- 4:45 p.m.—Organ Recitals: WGEA (15.33)
- 5:30 p.m.—Camera Club of the Air: WZJ1 (25.3)
- 5:30 p.m.—The Concert Master: WGEA (15.33) WGEA (9.53)
- 7 p.m.—North American Hour from St. Kitts: ZIK
- 7 p.m.—Military Band: HAT4
- 7:45 p.m.—Armed Club with Music: GSB GSD GSF
- 7:45 p.m.—Press Review: DJB DJD
- 8 p.m.—Tourist Notes: ZRO3 ZRO4 ZRO6 HIF
- 8:15 p.m.—Cuba Orchestra: ZRO3 ZRO4 ZRO6 HIF
- 8:30 p.m.—Primo Tofani piano duo: ZRO3 ZRO4 ZRO6 HIF
- 10:15 p.m.—Opera: TGWA (9.685) TGWB
- 10:30 p.m.—Columbia Concert Orchestra: WCBX (9.65)
- 11:20 p.m.—Message in English from Paris: TPB11 TP14 and (9.68)

Thursday, October 12

- For programs broadcast daily see Daily Programs (Oct. 12)
- 11 a.m.—Melish Matinee: WRUA (21.63) WNB1 (17.78)
- 4 p.m.—World Youth Speaks: WRUL (11.79) WRUW (15.13)
- 5 p.m.—Unlabeled Music: WRUL (6.04) WRUW (11.73)
- 6:15 p.m.—Television from the Other Americas: WPIT (11.87)
- 7:45 p.m.—Scherzino from Querey by Bellini: ZRO3 ZRO4 ZRO6 HIF
- 7:45 p.m.—Gypsy Band: HAT4
- 8:20 p.m.—Toronto Symphony: KGEI (15.33)
- 8:30 p.m.—Comments on Columbus Day, by Prof. V. Tovar: WGEA (9.53)
- 9 p.m.—Press Review: DJB DJD
- 10 p.m.—Elements of Aviation: WRUL (6.04) WRUW (11.73)
- 10:15 p.m.—Travel talk: KGEI (15.33)
- 11 p.m.—National Police Force Band: TGWA (9.685)
- 11:20 p.m.—Talk in English: TPB11 TP14 and (9.68)

Friday, October 13

- For programs broadcast daily see Daily Programs (Oct. 13)
- 9 a.m.—John B. Hughes, commentator: KGEI (9.53)
- 3 p.m.—Navy Band: WGEA (15.33)
- 4:30 p.m.—Church in the Wilderness: WGEA (15.33) WGEA (9.53)
- 4:45 p.m.—Organ Recitals: WGEA (15.33)
- 5:30 p.m.—Musical Strings: WRUL (6.04) WRUW (15.13)
- 7:45 p.m.—Guest Night: ZRO3 ZRO4 ZRO6 HIF
- 9:45 p.m.—Transmissions of WZUSA Radio Club, from New York World's Fair: Amateurs on all bands
- 10 p.m.—English Mail Box: WRUL (6.04) WRUW (11.73)
- 10 p.m.—Querey: TGWA (9.685) TGWB
- 10:30 p.m.—Pathways to Peace: WRUL (6.04) WRUW (11.73)
- 11 p.m.—Talk on the Air: FOAAA (7.1)
- 11 p.m.—English Hour: XEXA (6.175)
- 11:25 p.m.—English talk: TPB11 TP14 and (9.68)
- 11:30 p.m.—Popular Music: TGWA (9.685) TGWB

War News from Europe
DAILY PROGRAMS IN ENGLISH

Morning			
CST	CITY	STATION	DIAL
3:00 a.m.	London	GSB	9.51
5:30 a.m.	London	GSG	17.79
7:15 a.m.	London	GSG	17.79
		GSJ	21.53
9:00 a.m.	London	GSG	17.79
		GSJ	21.53
10:00 a.m.	London	GSG	17.79
10:00 a.m.	Rome	2R06	15.30
11:30 a.m.	London	GSI	15.26
Afternoon			
12:00 noon	Paris	TPA2	15.243
12:20 p.m.	Rome	2R03	9.63
		2R04	11.81
		GSG	17.79
1:00 p.m.	London	GSJ	15.26
		GSI	15.26
2:00 p.m.	London	GSJ	15.26
3:15 p.m.	Berlin	DXB	9.61
3:45 p.m.	London	GSP	15.31
5:00 p.m.	Berlin	DJB	15.20
		DJD	11.77
5:30 p.m.	London	GSD	11.75
Evening			
6:00 p.m.	Moscow	RV96	15.18
		RAN	9.60
6:10 p.m.	Budapest	HAT4	9.125
6:25 p.m.	Berlin	DXB	9.61
6:30 p.m.	Rome	2R04	11.81
		2R03	9.63
6:30 p.m.	London	GSD	11.75
6:45 p.m.	Madrid	EAO	9.86
7:05 p.m.	Paris	TPB11	11.885
		GSD	9.68
7:15 p.m.	Berlin	DJD	11.77
		DJB	15.20
7:45 p.m.	London	GSB	9.51
		GSD	11.75
8:45 p.m.	London	GSB	9.51
		GSD	11.75
9:30 p.m.	Berlin	DJD	11.77
10:00 p.m.	London	GSB	9.51
		GSC	9.58
10:30 p.m.	Paris	TPB11	11.885
		GSD	9.68
11:15 p.m.	Paris	TPB11	9.68
11:15 p.m.	London	GSB	9.51
		GSC	9.58
12:15 a.m.	London	GSB	9.51
2:00 a.m.	London	GSB	9.51
2:00 a.m.	Moscow	RV96	15.18

On Short Waves

Edited by Charles A. Morrison

President, International DX'ers Alliance

How to Tune In Paris Direct

DO YOU care to visit Paris some night this week? There, lights are "blacked out." Theaters are closed and night-spots are shuttered. People sleep uneasily, awaiting the inevitable air-raid siren. Entrances to bomb-proof shelters yawn ominously. You can make a quick tour if you tune to the French Government short-wave station.

The French program to North America is broadcast nightly from 8 p.m. to 12:30 a.m. EST. "Paris Mondial," the French short-wave station, transmits on three different channels, namely, 11.718 and 11.885 megs in the 25-meter band, and 9.68 megs on the 31-meter band. The last-named frequency is your best reception bet since a power of 100,000 watts boosts its signal over the Atlantic. This 9.68 megs spot on the 31-meter band (the 31-meter band should be indicated on your dial as a small thick line or dot marked 31 M) is not hard to locate if you tune carefully. Try it between 8:05 and 8:30 p.m. EST. Start at 10 megs on your dial and turn very slowly towards 9 megs. You will pass several Spanish stations but "Paris Mondial" (9.68) will be the first English-speaking broadcaster you will run into. It has a very strong signal and is usually louder than WRCA (9.67) of New York City, just a trifle lower than it in frequency. WRCA will be broadcasting a Spanish program about this time. "Paris Mondial" does not use an identification signal before program time but at exactly 8 p.m. EST the French national anthem, "La Marseillaise," is played. The opening announcements are in French, followed at approximately 8:05 p.m. by these words in English, "This is the French Government Short-Wave Station, 'Paris Mondial.'"

Latest war news in English is then broadcast from 8:05 to 8:15 p.m. The next item on the program is an interesting talk in English describing life in Paris during the war. Famous commentator Paul Archinard is often heard at this time. At 9:15 p.m. the feature presentation of the evening is given, usually a sketch, concert or play. The news in English is repeated at 11:30 p.m. and at 12:15 a.m. EST. During the news periods, items are separated by a single gong stroke. The news is given in an informal conversational style that is far more palatable and interesting than London's dry style of repeating bare bulletins word for word.

FROM THE EUROPEAN ARENA: Watch for short-wave pick-ups direct from the front-line trenches. Brigadier General Henry J. Bently, U. S. A., Retired, has been appointed NBC observer on the western front with the Allied troops. NBC reporter Warren Irwin will be assigned to the German side of the front. . . . The first word from the British Broadcasting Corporation since the outbreak of war, a brief bulletin, states the Daventry stations are now operating according to the following emergency schedule: Transmission 1, from 12:57 to 5:15 a.m. EST; Transmissions 2 and 3, from 5:42 a.m. to 12 noon (GSG on 17.79 megs is directed to North America); Transmission 4, from 12:22 to 3:25 p.m. (GSG on 17.79 megs is directed to N. A.) and from 3:45 to 6 p.m. (GSP on 15.31 megs is directed to N. A.); Transmission 5, from 6:22 to 9:15 p.m. (GSD on 11.75, and GSB on 9.51 megs, are directed to N. A.), and Transmission 6, from 9:37 p.m. to 12:30 a.m. EST (GSD on 9.51 megs is directed to N. A.). Almost the entire schedule at present are occupied with news bulletins in different foreign languages, periods between being filled with programs of music or topical talks.

DXB (9.61) has been added to the usual stations, DJB (15.20) and DJD (11.77) that transmit the North American program from Berlin, nightly from 4:55 to 10:50 p.m. EST. English news announcers at Berlin are now inviting their listeners to turn to the news periods from other stations for comparison, emphasizing that in this way they will realize theirs are correct.

The nightly program from EAO (9.86), Madrid, Spain, for North America, starting at 7:45 p.m. EST, is introduced by the playing of the national anthem; the soft chimes of a clock follow and then a woman announcer gives the news bulletins in English. The clock chimes at 8:30 p.m. EST bring the program to a close, several "Vive La Espana" are heard and the station leaves the air. HVJ, "Radio Vaticano," at Vatican City, is now broadcasting the following English programs: On 15.12 megs, Sundays, from 1 to 1:30 p.m. and Tuesdays, from 10:30 to 11 a.m.; on 11.74 megs, Tuesdays, from 8:30 to 9 a.m. and on 6.19 megs, Tuesdays, from 2 to 2:30 p.m. EST. . . . RV96 (15.41), Moscow, U. S. S. R. is being heard with loud signals on the eastern coast daily after 6 a.m. EST.

Italy—News (English): WPIT (11.87) WGEA (15.33)
 4:45 p.m.—Lisbon—Variety program for North America from Portugal: CSW7 (9.74)
 5 p.m. (ex. Sat., Sun.)—Boston, Mass.—Christian Science Monitor world news: WRUW (11.73)
 5 p.m.—Warsaw—Program for North America may soon be resumed: SPW (13.635)
 5:25 p.m. (ex. Sun.)—Pittsburgh—Schenectady—News (English): WPIT (11.87) WGEA (15.33)
 5:25 p.m.—London—Latin program directed to South America: GSB (9.51) GSF (15.14)
 5:30 p.m.—Panama—News (English): HP5A (11.7)
 5:30 p.m. (ex. Sat., Sun.)—New York City—Katherine Views the News: WCBX (11.83)
 5:45 p.m. (ex. Sat., Sun.)—New York City—Program pick-ups from Europe: WCBX (11.83)
 5:45 p.m.—London—News (French): GSD (11.75)
 6 p.m.—London—News (Portuguese): GSD (11.75)
 6 p.m. (ex. Sat.)—Budapest—Program for North America from Hungary: HAT4 (9.125)
 6 p.m.—Belgrade—Program for North America from Yugoslavia: YUG (15.24 or 11.74)
 6:15 p.m. (ex. Sat., Sun.)—News (Portuguese): WCBX (11.83)
 6:30 p.m.—Berlin—Interesting events of the day in recorded form: DJB (15.2)
 6:45 p.m.—Madrid—Special North American program from Spain: EAO (9.86)
 6:55 p.m.—Prague—Program for Czechs in North America: OL34A (11.84)
 7 p.m.—Paris—Talks, plays, music and news, for North America: (11.885 or 9.68)
 7 p.m.—London—News (Portuguese and Spanish): GSB (9.51) GSF (15.14)
 7 p.m.—San Francisco, Pittsburgh, New York

City—News (Spanish): KGEI (15.33) WPIT (11.87) WRCA (9.67)
 7 p.m.—Tokyo—Program for Eastern North America from Japan: JZK (15.16)
 7:15 p.m.—Paris—English talk about current activities in Paris: (9.68 or 11.885)
 7:30 p.m.—Paris—News (French): (9.68)
 7:50 p.m.—Rome—News (Italian): 2R03 (9.63) 2R04 (11.81) 2R06 (15.30)
 7:55 p.m.—New York City—News (English): WCBX (11.83)
 8 p.m.—Paris—News (Spanish): (9.68 or 11.88)
 8 p.m.—London—News (Spanish): GSB (9.51)
 8:30 p.m.—Denmark—Program for Danish listeners in North America: OZF (9.52)
 9 p.m.—New York City—News (English): WRCA (9.67)
 9 p.m. (ex. Mon.)—Ecuador—Religious program in English: HCJH (12.46)
 10 p.m. (ex. Sat., Sun.)—Boston, Mass.—Christian Science Monitor World News: WRUW (11.73)
 10 p.m.—Guatemala—Marimba band: TGWA (9.685)
 10:45 p.m. (ex. Sat.)—Capetown—Setting-up Exercises from So. Africa: ZRL (9.61)

Saturday, October 21

12 noon—Vatican City—Mission Sunday broadcast: HVJ (15.12) WGEA (15.33)
 12:45 p.m.—Boston, Mass.—Football: Yale vs. Army. Iron Yale Bowl: WRUW (15.13) WRUW (11.73)
 3:15 p.m.—Turkey—Broadcast from Ankara, dedicated to the International Short-Wave Club's 10th Anniversary: TAP (9.465)
 9 p.m.—NBC Symphony Orchestra, conducted by Toscanini: WBOG (9.57)
 10 p.m. (Sat., Sun., Mon.)—Broadcast from Luxembourg: Radio Luxembourg (11.782)

Important Short-Wave Stations

(Megacycles or thousands of kilocycles shown)

COCO, Cuba	8.70	PCJ, Holland	9.59, 15.22
COCQ, "	8.80	PHE, "	17.75
CRW7, Portugal	9.730	RAN, U.S.S.R.	9.89
DJB, Oormsey	15.20	RNE, "	12.00
DJD, "	11.77	RY96, "	15.18
DJL, "	15.11	SFP, Sweden	11.703
DXB, "	9.61	SPW, Poland	13.635
EAO, Spain	9.86	TGWA, Guatemala	9.685, 15.17
EIRE, Ireland	17.24		9.685, 15.17
	9.580	TOE, Guatemala	6.195
ORX, England	9.69	VK3ME, Australia	9.51
OSA, "	6.05	VLR, "	9.51
OSB, "	9.61	WJXP1, New York	City
OSD, "	9.68		28.39
OSE, "	11.76	WCAB, Philadelphia	
OSF, "	11.69	Pa.	9.99, 9.59, 21.57
OSG, "	15.14	WCHX, New York City	
OSL, "	11.79		21.07, 15.27, 11.83
OSM, "	11.47		9.65, 8.94
OSN, "	11.47	WGEA, Schenectady,	
OSQ, "	15.18	N. Y.	21.46, 15.30, 9.58
OSP, "	15.21	WGOE, Schenectady,	
OSV, "	12.81	N. Y.	9.67
HAT4, Hungary	9.125	WLWO, Cincinnati,	
HUJ, Switzerland	14.535	Ohio	6.08
HBO, "	11.402	WNBI, New York City	
HP5A, Panama	11.70		17.78
HP50, "	11.78	WPIT, Pittsburgh, Pa.	
HVJ, Vatican City	15.12		21.54, 15.21
JZK, Japan	9.535		11.47, 6.14
JZL, "	11.69	WRCA, New York City	
JZK, "	15.18		11.63, 6.10
KOEL, San Francisco, Calif.	9.53, 15.83	WRUL, Boston, Mass.	
LXK, Argentina	9.68		11.78, 6.04
		WRUW, Boston	
	9.507, 11.782		11.75, 15.13
MTCY, Manchukuo		KEWW, Mexico	9.90
		KOX, China	11.90
	11.770	YV3RN, Venezuela	9.94
OLR4A, Seberna	11.84	YUG, Yugoslavia	15.24
OZF, Denmark	9.52	2R03, Italy	9.63
OZH, "	15.32	2R04, "	11.81
PARIS MONDIAL, France	9.68, 11.885, 12.343	2R06, "	15.30
		2R09, "	9.67

1 a.m.—Guatemala—Special program dedicated to International DX'ers Alliance and Spanish Language League: TG2 (6.195)

Sunday, October 22

8 a.m.—New York City—European pick-ups: WCBX (21.57)
 11:45 a.m.—Guatemala—Request program by the Marimba Ensemble: TGWA (15.17)
 12 noon—Vatican City—English talk and announcements: HVJ (15.12)
 6:45 p.m.—Rome—Opera, "L'Impresario," from Royal Opera House at Rome: 2R03 (9.63) 2R04 (11.81) 2R06 (15.3)
 7:30 p.m.—Tokyo—English talk, "Japan Under the Current Emergency": JZK (15.16)
 8:15 p.m.—Paris—English play: (9.68)
 9 p.m.—Hawaii—Native music and songs from Honolulu: KQII (14.92) KKII (7.52)

Monday, October 23

5:30 a.m.—Melbourne—Australian travel talk: VK3ME (9.50)
 4:30 p.m.—Schenectady—Travelogue about interesting spots in America: WGEA (9.53)
 6 p.m.—Budapest—Opera airs: HAT4 (9.125)
 7:45 p.m.—Switzerland—Program for listeners in North America: HBD (11.402)

Tuesday, October 24

9:30 a.m.—Vatican City—Talks and announcements in English: HVJ (15.12)
 5 p.m.—Budapest—Concert Orchestra: HAT4 (9.125)
 6:45 p.m.—Rome—Handel's "Messiah," Part 1: 2R03 (9.63) 2R04 (11.81)
 7:45 p.m.—Holland—Music, talks and humor, in English: PCJ (9.59)
 9 p.m.—Boston, Mass.—Course in Aviation: WRUW (15.13) WRUL (11.79)

Wednesday, October 25

5:30 a.m.—Melbourne—Mail Bag: VK3ME (9.5)
 7 p.m.—Rome—Strauss waltzes: 2R03 (9.63)
 7:15 p.m.—Rome—Tourist notes in English: 2R03 (9.63) 2R04 (11.81)
 7:45 p.m.—Switzerland—Variety program for listeners in North America: HBJ (14.535)
 9:15 p.m.—Guatemala—Opera: TGWA (9.685)
 11:20 p.m.—Tokyo—Japan Columbia Swing Band: JZJ (9.535)
 11:40 p.m.—Tokyo—English talk, "Japan's Press Line-up at the War Front": JZJ (9.535)

Thursday, October 26

3 p.m.—Schenectady—Latest science news: WGEA (9.53) WGEA (15.33)
 7:15 p.m.—Rome—Talk in English about current war topics: 2R04 (11.81) 2R03 (9.63)
 8 p.m.—Berlin—Press review in English: DJB (15.20) DJD (11.77) DXB (9.61)
 10 p.m.—Guatemala—National Police Force Marimba Band: TGWA (9.685)

Friday, October 27

4 p.m.—New York City—"W2USA Radio Club" broadcast: WJXP1 (25.3)
 6:50 p.m.—Budapest—Recreational Orchestra: HAT4 (9.125)
 7:15 p.m.—Rome—Talk in English about current events in Rome: 2R03 (9.63) 2R04 (11.81)
 8:45 p.m.—New York City—Special broadcasts for American amateurs by "W2USA Radio Club" of N. Y. World's Fair: Amateurs on all bands.
 11:20 p.m.—Tokyo—Keio University's Mandolin Club: JZJ (9.535)

Daily Programs, Sat., Oct. 21, through Fri., Oct. 27

NOTE: Programs from warring countries subject to change without notice. The programs listed here are those broadcast daily at the same time. Exceptions are indicated.

CST City Program Station
 12:30 a.m.—London—Die Men: GSB (9.51)
 12:30 a.m.—Hsinking—English program from Manchukuo for N. A.: MTCY (11.775)
 12:55 a.m.—New York City—News (English): WCBX (6.12)
 5:00 a.m.—Saigon—News (English): (6.116)
 5:15 a.m.—China—News (English): XGX (11.9)
 6:30 a.m.—Ireland—Variety: EIRE (17.84)
 6:30 a.m. (ex. Sun.)—Melbourne—War news from Australia: VLR (9.58)
 6:30 a.m.—San Francisco—News (English): KGEI (9.53)
 6:45 a.m.—London—News (Italian): GSG (17.79)
 7:00 a.m.—Saigon—English variety program from French Indo-China: Radio Saigon (11.78)
 7:00 a.m.—Berlin—Classical music: DJL (15.11)
 7:00 a.m.—China—English program: XGX (11.9)
 7:15 a.m. (ex. Sun., Mon.)—Golden Gate Exposition Stroller: KGEI (9.53)
 7:30 a.m.—Tokyo—News (English): JZJ (11.8)
 8:00 a.m.—Pittsburgh, Schenectady, New York City—News (English): WPIT (15.21) WGEA (15.33) WNBI (17.78)
 8:15 a.m.—Oslo—News (French): LKV (15.17)
 8:45 a.m.—Cincinnati—News (English): WLWO (16.06)
 10:05 a.m. (ex. Sun.)—New York City—News (French, German, Italian, Polish): WCBX (21.57)
 10:30 a.m.—Ireland—Variety: EIRE (17.84)
 11:00 a.m.—New York City—English Hour: WNBI (17.78)
 11:00 a.m. (ex. Sun.)—Program pick-ups from war capitals of Europe: WGEA (15.33)
 11:00 a.m.—Panama—International Hour: HP5G (11.78)
 11:30 a.m. (ex. Sat., Sun.)—Cincinnati—News (English): WLWO (16.06)
 11:45 a.m.—Guatemala—Marimba band: TGWA (15.17)
 12 noon—Denmark—News (Danish): OZH (15.32)
 12 noon—London—Big Ben: GSI (15.26)
 1:15 p.m.—London—News (French): GSI (15.26)
 2 p.m.—Rome—Operatic; popular music and variety acts: 2R05 (15.3) 2R04 (11.81)
 2:30 p.m.—New York City—News (English): WCBX (15.27)
 3 p.m.—New York City—News (Portuguese): WNBI (17.78) WRCA (9.67)
 3:15 p.m.—London—News (German): GSF (15.31)
 3:55 p.m. (ex. Sat., Sun.)—Pittsburgh—Schenec-

War News from Europe
DAILY PROGRAMS IN ENGLISH

CST	Morning CITY	STATION	DIAL
2:00 a.m.	London	G5B	9.51
2:00 a.m.	Moscow	RV96	15.18
3:00 a.m.	London	G5B	9.51
5:30 a.m.	London	G5G	17.79
7:15 a.m.	London	G5G	17.79
		G5J	21.53
9:00 a.m.	London	G5G	17.79
		G5J	21.53
10:00 a.m.	London	G5G	17.79
10:00 a.m.	Rome	2RD6	15.30
11:30 a.m.	London	G5I	15.26
Afternoon			
12:00 noon	Paris	TPA2	15.243
12:20 p.m.	Rome	2RD3	9.63
		2RD4	11.81
1:00 p.m.	London	G5G	17.79
		G5I	15.26
2:00 p.m.	London	G5I	15.26
3:15 p.m.	Berlin	DXB	9.61
3:45 p.m.	London	G5P	15.31
5:00 p.m.	Berlin	DJD	11.77
		DXB	9.61
5:30 p.m.	London	G5D	11.75
Evening			
6:00 p.m.	Moscow	RV96	15.18
		RAN	9.60
6:10 p.m.	Budapest	HAT4	9.125
6:25 p.m. (ex. Sat.)	Berlin	DXB	9.61
6:30 p.m.	Rome	2RD4	11.81
		2RD3	9.63
6:30 p.m.	London	G5D	11.75
6:45 p.m.	Madrid	EAQ	9.86
7:05 p.m.	Paris		9.68
		TPB11	11.885
7:15 p.m.	Berlin	DJD	11.77
		DXB	9.61
7:45 p.m.	London	G5B	9.51
8:45 p.m.	London	G5B	9.51
		G5D	11.75
9:30 p.m.	Berlin	DJD	11.77
		DXB	9.61
10:00 p.m.	London	G5B	9.51
		G5C	9.58
10:30 p.m.	Paris		9.68
		TPB11	11.885
11:15 p.m.	Paris		9.68
11:15 p.m.	London	G5B	9.51
		G5C	9.58

Daily Programs, Sat., Oct. 28, through Fri., Nov. 3

NOTE: Programs from warring countries subject to change without notice.

The programs listed here are those broadcast daily at the above times. Exceptions are indicated.

CST	City	Program	Station
12:30 a.m.	London	Big Ben	G5B (9.51)
12:30 a.m.	Helsinki	English program from Maailunkko	MTCY (11.775)
12:55 a.m.	New York City	News (English)	WCX (6.12)
5:30 a.m.	Saigon	News (English)	(11.78)
6:30 a.m.	Ireland	Variety	EIRE (17.84)
6:30 a.m. (ex. Sun.)	Melbourne	War news	VLB (9.58)
6:45 a.m.	London	News (Italian)	G5G (17.79)
7 a.m.	Berlin	Classical music	DJD (11.77)
7 a.m.	China	English program	NGX (11.9)
7 a.m.	New York City	European Pick-ups	WCX (6.12)
7:30 a.m.	Tokyo	News (English)	JZJ (11.8)
8 a.m.	Pittsburgh	Schenectady News (English)	WPIT (11.87)
8:15 a.m.	Oslo	News (French)	LKY (15.17)
10:05 a.m. (ex. Sun.)	New York City	News (German, French, Italian, Polish)	WCX (6.12)
10:30 a.m.	Ireland	Variety	EIRE (17.84)
11:30 a.m. (ex. Sun.)	Schenectady	News and variety for Irish listeners	WGEA (15.33)
12 noon	New York City	News (Italian)	WSU (17.78)
12 noon	Denmark	News (Danish)	OZF (15.32)
12 noon	London	Big Ben	G5I (15.26)
12:30 p.m.	New York City	News (English)	WCX (6.12)
1 p.m.	New York City	News (German)	WXH (17.78)
1:15 p.m.	London	News (French)	G5I (15.26)
2 p.m.	Rome	Operatic music	2RD6 (15.3)
3 & 6 p.m.	New York City	News (Portuguese)	WXH (17.78) WRCA (9.67)
3:15 p.m.	London	News (German)	G5I (15.31)
3:20 p.m.	Turkey	Dance music	TAP (9.465)
3:55 p.m. (ex. Sat., Sun.)	Pittsburgh	Schenectady News (English)	WPIT (11.87) WGEA (15.33)
4 p.m. (ex. Sun.)	New York City	News (Polish, French, German, Italian)	WCX (11.83)
4 & 5 p.m.	New York City	News (Spanish)	WXH (17.78) WRCA (9.67)
4:45 p.m.	Lisbon	Variety program for North America from Portugal	CSW7 (9.74)
5:30 p.m.	Panama	News (English)	HP5A (11.7)
5:30 p.m. (ex. Sat., Sun.)	New York City	Kalifornia Views the News	WCX (11.83)
5:45 p.m. (ex. Sat., Sun.)	New York City	European Pick-ups	WCX (11.83)

On Short Waves

Edited by Charles A. Morrison

President, International DX'ers Alliance

How to Listen to Italy

THE Italian Imperial Short-Wave Center at Prato Smeraldo, near Rome, Italy, including some of the world's most powerful transmitters and an array of beam antenna which direct programs to every part of the world, is in operation daily from 3:10 a.m. until the sign-off at 8 p.m. CST. The E. I. A. R. (Italian Broadcasting Corporation), employs a staff of twenty-three announcers who conduct programs in as many different languages. More than a dozen different frequencies are utilized daily. We, however, are interested in only three: 2R06 (15.3) on the 19-meter band, 2R04 (11.81) on the 25-meter band and 2R03 (9.63) on the 31-meter band. Of these three, 2R03 and 2R04 are best at this time of the year. The program from Rome for North American listeners is broadcast nightly from 6:30 to 8 p.m. CST. I suggest you tune in just before 6:30 p.m. to either 2R03 (9.63), near the high frequency side (side nearest 10 megs) of the 31-meter band (on most dials the 31-meter band is a small dot or thick line designated as 31-M), just a little lower in frequency than NBC station WRCA (9.67), or to 2R04 (11.81), near the middle of the 25-meter band (25-M), between CBS station WCBX (11.83)

and German station DJD (11.77). Before the broadcast begins you will probably hear Rome's cheery identification signal—the chirping of birds—then at exactly 6:30 p.m. CST, the chimes of famous St. Peter's Cathedral, followed by these words, "This is the American Hour from Rome, Italy, broadcast by the short-wave station at Rome." A charming lady announcer always conducts this program who reads the weather reports and the latest news in English. The balance of the broadcast is made up of excellent musical or variety selections, or topical talks in English, concluding at 7:50 p.m. CST, with the news in Italian and sign-off at 8 p.m. CST, following the playing of Italy's two spirited anthems, "Giovanezza" and "Marcia Reale." Opera enthusiasts will enjoy the opera excerpts broadcast on Sunday evenings from the Royal Opera House in Rome, or "La Scala" in Milan. Other popular features include: Folk-songs and the English mail bag on Mondays; the symphonic program on Tuesdays; light music and tourist notes on Wednesdays; opera selections on Thursdays; guest stars and a talk about Rome in war times on Fridays and chamber music on Saturday nights.

COUNTRY OF THE WEEK: Finland's short-wave station at Lahti, consists of two 1,000-watt transmitters, which broadcast daily as follows: Over DFE (11.78), 12:05 a.m. to 11:05 a.m.; over DFD (9.5), 11:15 a.m. to 4 p.m.; over OIE (15.19), 12:05 to 3 and 8 a.m. to 4 p.m. and over OIH (17.8), 3 to 8 a.m. CST. Due to their low power, and unsuitable frequencies, these stations are seldom heard in America but if you have a good location and watch these channels closely you will probably tune in Finland sooner or later. A 100,000-watt short-wave transmitter, on order by the Finnish government for the Olympic Games, which were to have been held in Finland in 1940, may be rushed to completion to satisfy more critical present-day needs. FROM THE EUROPEAN ARENA: Berlin's program for North America, daily from 3:55 to 9:50 p.m. CST, is now being broadcast over DJD (11.77), DXB (9.61) and occasionally DJL (15.11). DJD is your best bet. DXB (9.61) broadcasts a news bulletin in English at 3:15 p.m. CST. Propaganda from the Berlin stations is now centering around three main objectives: To bring an end to the present war; to influence the United States government to act as a mediator toward this end, and to prevent the lifting of the arms embargo bill. Though thinly dis-

guised some of the Berlin propaganda is drawn up in clever form, for example, the weekly letter in English to the home-looks back in Iowa, presented each Thursday at 8 p.m. CST. . . . Neither DJB (15.2), nor DJL (11.80) are being used in the Berlin program for North America at present. . . . CSW7 (9.74), Lisbon, Portugal, goes on the air daily at 3 p.m. with a program for Brazil. The broadcast for North America starts at 4:45 a.m. CST. . . . According to Polish reader, S. Deptula of Southampton, Mass., the mysterious Poland station heard on 11.99 megs during the early days of the siege of Warsaw, was HFC, a portable transmitter of Polskie Radio, whose location was known only to head officials. . . . Before signing off at 8:05 p.m. CST the Belgrade, Yugoslavia, station, which operates on either 15.24 or 11.74 megs, identifies itself with a horn signal of twelve notes repeated over several times. . . . The International Radio Monitors state that the Danish short-wave station will soon be heard operating under the following new calls, and on the following new frequencies: DZ12 (17.81), OZ13 (17.835), DXY2 (6.045) and DXY3 (6.17). . . . TAP (9.465), Ankara, Turkey, is again being heard in the United States. Best reception is afforded from about 3 p.m. to sign-off at 4 p.m. CST.

6 p.m.	London	News (Portuguese)	G5D (11.75)
6 p.m. (ex. Sat.)	Budapest	Program for North America	HAT4 (9.125)
6 p.m.	Belgrade	Program for North America	Y3G (15.24 or 11.74)
6:15 p.m. (ex. Sat., Sun.)	New York City	News (Portuguese)	WCX (11.83)
6:30 p.m.	Berlin	Interesting events of the day in recorded form	DJD (11.77)
6:45 p.m.	Madrid	North American program	EAQ (9.86)
6:55 a.m.	Prague	Program for North America	DEH4A (11.84)
7 p.m.	Paris	Talks, plays, music and news	(11.885 or 9.68)
7 p.m.	London	News (Portuguese and Spanish)	G5B (9.51) G5F (15.14)
7 & 8 p.m.	New York City	News (Spanish)	KGEI (15.33) WPIT (11.87) WRCA (9.67)
7 p.m.	Bohama	Variety program	ZNS (6.09)
7 p.m.	Tokyo	Program for Eastern North America	JZK (15.16)
7:15 p.m.	Paris	English talk about current activities in Paris	(9.68 or 11.885)
7:50 p.m.	Rome	News (Italian)	2R03 (9.63) 2R04 (11.81) 2R06 (15.3)
7:55 p.m.	New York City	News (English)	WCX (11.83)
8 p.m.	Paris	News (Spanish)	(9.68 or 11.885)
8 p.m.	London	News (Spanish)	G5B (9.51)
8:30 p.m.	Denmark	Program for Danish listeners in North America	OZF (9.52)
9 a.m.	New York City	News (English)	WRCA (9.67)

9 p.m. (ex. Mon.)	Ecuador	Religious program in English	HC2B (12.46)
10 p.m. (ex. Sat., Sun.)	Boston	Monitor World news	WRUL (6.04)
10:45 p.m. (ex. Sat.)	Capetown	Settling-up Exercises	ZHL (9.61)
11:03 p.m.	Tokyo	News (English)	JZJ (9.535)

Saturday, October 28

12:45 p.m.	Boston	Football: Yale vs. Michigan	WRUL (15.13) WRUL (11.79)
2:30 p.m.	Christiansburg	Football: Illinois vs. Northwestern	WLWO (6.06)
7 p.m.	Stockholm	Program for Swedish listeners in North America	SBP (11.705)
7:30 p.m.	Hawaii	Native music and songs from Honolulu	KIIE (18.04) KQH (14.92)
7:30 p.m.	Tokyo	Kreis University Maudlin Club	JZK (15.16)
12 mid. (Sat., Sun.)	Luxemburg	Broadcast from Luxemburg	(11.782)
1 a.m.	Guatemala	DX program dedicated to the International DX'ers Alliance and Spatari Language League	TG2 (6.195)

Sunday, October 29

12 noon	Vatican City	English talk and announcements	HVJ (15.12)
4:15 p.m.	Pittsburgh	Schenectady—European program pick-ups	WPIT (11.87)

Important Short-Wave Stations

(Megacycles or thousands of kilocycles shown)

COCQ	Cuba	8.70	PCJ	Holland	9.60, 15.22
COCQ	"	8.85	PHE	"	17.775
CSW7	Portugal	9.735	RAN	U.S.S.R.	9.60
DJB	Germany	15.20	RNE	"	12.00
DJD	"	11.77	RV96	"	15.18
DJL	"	15.11	SBP	Sweden	11.705
DXB	"	9.61	SPW	Poland	13.635
EAS	Spain	9.50	TOWA	Guatemala	15.17
EIRE	Ireland	17.84	"	"	9.685, 15.17
GNX	England	9.69	TOS	Guatemala	8.195
GRJ	"	9.85	VDMZ	Australia	9.61
G5B	"	9.51	VLB	"	9.58
G5C	"	9.58	WXPB	New York	"
G5D	"	11.75	WCAB	Philadelphia	25.30
G5E	"	11.88	Pa.	6.08, 9.59, 21.67	"
G5F	"	15.14	WCBX	New York City	"
G5G	"	17.79	"	21.87, 15.27, 11.83	"
G5H	"	21.47	"	"	9.65, 9.68
G6I	"	15.20	WGEA	Schenectady	"
G6J	"	21.50	N.Y.	21.50, 15.32, 9.60	"
G6K	"	15.18	WGEQ	Schenectady	"
G6L	"	15.31	N.Y.	"	9.67
HAT4	Hungary	9.125	WLWG	Cincinnati	"
HRJ	Switzerland	14.205	Glo	"	8.08
HSV	"	17.81	WNBI	New York City	"
H80	"	11.402	"	"	17.74
HP5A	Panama	11.70	WPIT	Pittsburgh, Pa.	"
HVJ	Vatican City	15.12	"	"	21.54, 15.21
JZJ	Japan	9.535	"	"	11.87, 9.14
JZK	"	15.16	WBCA	New York City	"
JZL	"	15.15	"	"	21.63, 9.10
KGEI	San Francisco	9.57, 15.33	WRUL	Boston, Mass.	"
LRX	Argentina	9.60	WRUW	Boston	11.79, 9.04
"	Luxemburg	9.60	"	"	11.73, 15.13
"	"	9.67, 11.782	XEWW	Mexico	9.60
MTCY	Manchukuo	11.775	XOX	Osaka	15.2, 11.90
"	"	11.775	YVRR	Venezuela	9.04
OLRAA	Bohemia	11.34	ZOD	Yugoslavia	"
OPAG	"	11.78	"	"	15.24, 11.24
OZF	Denmark	9.52	ZRO3	Italy	9.63
OZH	"	15.30	ZRO4	"	11.81
PARIS MONDIAL	France	8.68, 11.885, 16.210	ZRO6	"	15.30
"	"	"	ZRO8	"	9.07

5 p.m.	Mexico	Mexican Hour: Music and orchestral music; songs, travel talks in English	NBCR (7.38) XEWW (9.5)
6 p.m.	New York City	Philadelphia—The War This Week	WCBX (11.83) WCAB (6.06)
6:45 p.m.	Rome	Opera, "Le Nozze di Figaro," from Royal Opera House at Rome	2R03 (9.63) 2R04 (11.81) 2R06 (15.3)
7:15 p.m.	Rome	Talk about interesting spots in Rome	2R03 (9.63) 2R04 (11.81)
8:15 p.m.	Paris	English play	(9.68)
9 p.m.	Hawaii	Native music and songs from Honolulu	KQH (14.92) KKH (7.52)

Monday, October 30

4:30 p.m.	Schenectady	Traveling about interesting spots in America	WGEA (9.53)
7:30 p.m.	Rome	Letters from listeners in all parts of world	2R03 (9.63) 2R04 (11.81) 2R06 (15.3)
7:45 p.m.	Switzerland	Program for listeners in North America	H80 (11.402)
1 a.m. (Mon., Tues., Wed.)	Luxemburg	Program from Luxemburg	(11.782)

Tuesday, October 31

5:15 a.m.	French Indo-China	Reading of English letters from all parts of the world	Radio Saigon (11.78)
11:30 a.m.	New York	"Science on the March"	WSBI (17.78)
7:30 p.m.	Rome	Talk, "Secret World"	2R03 (9.63) 2R04 (11.81) 2R06 (15.30)
7:45 p.m.	Holland	Music, talks and humor in English	PCJ (9.59)
9 p.m.	Boston	Course in Aviation	WRUL (15.13) WRUL (11.79)

Wednesday, November 1

6:45 p.m.	Berlin	Press Review (English)	DJD (11.77) DXB (9.61)
7:15 p.m.	Rome	Tourist notes in English	2R03 (9.63) 2R04 (11.81)
7:45 p.m.	Switzerland	Variety program for listeners in North America	HRJ (14.535)
9 p.m.	Boston	Understanding Music	WRUL (11.79) WRUL (15.13)
9:15 p.m.	Guatemala	Opera	TGWA (9.685)

Thursday, November 2

3 p.m.	Boston	Interesting talks by young people of all nationalities	WRUL (11.79)
6 p.m. (Thurs., Fri.)	Luxemburg	Programs from Luxemburg	(6.09)
8 p.m.	Berlin	Weekly letter in English to home-looks back in Iowa	DJD (11.77)
10 p.m.	Guatemala	Marimba Band	TGWA (9.685)

Friday, November 3

6:45 p.m.	Rome	Guest Star appearances	2R03 (9.63) 2R04 (11.81) 2R06 (15.30)
7:15 p.m.	Rome	Talk in English about current events in Rome	2R03 (9.63) 2R04 (11.81)
8:45 p.m.	New York City	Special broadcasts for American amateurs by "WZUSA Radio Club" of New York World's Fair: Amateurs on all bands	"
9 p.m.	Guatemala	Marimba music	TG2 (6.195)
10 a.m.	Mexico	Variety hour in English for United States listeners	XENA (6.175)

War News from Europe DAILY PROGRAMS IN ENGLISH

Morning		STATION	DIAL
PST	MST CITY		
3:00 a.m.	4:00 a.m. Paris	TPB3	17.85
3:30 a.m.	4:30 a.m. London	GSG	17.79
5:15 a.m.	6:15 a.m. London	GSG	17.79
		GSI	21.53
7:00 a.m.	8:00 a.m. London	GSG	17.79
		GSI	21.53
8:00 a.m.	9:00 a.m. London	GSG	17.79
8:00 a.m.	9:00 a.m. Rome	ZRD6	15.30
9:30 a.m.	10:30 a.m. London	GSI	15.26
10:00 a.m.	11:00 a.m. Paris	TPA2	15.243
10:18 a.m.	11:18 a.m. Rome	ZRD3	9.63
		ZRD4	11.81
		GSG	17.79
		GSI	15.26
11:00 a.m.	12:00 noon London	GSG	17.79
		GSI	15.26
11:30 a.m.	12:30 p.m. Berlin	DXB	9.61
12:00 noon	1:00 p.m. London	GSI	15.26
Afternoon			
1:15 p.m.	2:15 p.m. Berlin	DXB	9.61
1:45 p.m.	2:45 p.m. London	GSP	15.31
3:00 p.m.	4:00 p.m. Berlin	DJD	11.77
		DXB	9.61
3:30 p.m.	4:30 p.m. Moscow	GSD	11.75
4:00 p.m.	5:00 p.m. Moscow	RAN	9.60
4:10 p.m.	5:10 p.m. Budapest	HAT4	9.125
(ex. Sat.)	(ex. Sat.)		
4:25 p.m.	5:25 p.m. Berlin	DXB	9.61
(ex. Sat.)	(ex. Sat.)		
4:30 a.m.	5:30 p.m. Rome	ZRD4	11.81
		ZRD3	9.63
4:30 a.m.	5:30 p.m. London	GSD	11.75
4:45 p.m.	5:45 p.m. Madrid	EAQ	9.86
5:05 p.m.	6:05 p.m. Paris		9.68
		TPB11	11.885
5:15 p.m.	6:15 p.m. Berlin	DJD	11.77
		DXB	9.61
5:45 p.m.	6:45 p.m. London	GSI	15.26
		GSD	11.75
Evening			
6:45 p.m.	7:45 p.m. London	GSI	15.26
		GSD	11.75
7:30 p.m.	8:30 p.m. Berlin	DJD	11.77
		DXB	9.61
8:00 p.m.	9:00 p.m. London	GSI	15.26
		GSD	11.75
8:30 p.m.	9:30 p.m. Paris		9.68
		TPB11	11.885
9:15 p.m.	10:15 p.m. Paris		9.68
9:15 p.m.	10:15 p.m. London	GSI	15.26
		GSD	11.75
10:15 p.m.	11:15 p.m. London	GSI	15.26
12:00 mid.	1:00 a.m. London	GSI	15.26
12:00 mid.	1:00 a.m. Moscow	RV96	15.18
12:15 a.m.	1:15 a.m. Paris	TPB11	11.885
1:00 a.m.	2:00 a.m. London	GSI	15.26

Daily Programs, Sat., Nov. 4, Through Fri., Nov. 10

NOTE: Programs from warring countries subject to change without notice.

The programs listed here are those broadcast daily at the same time. Exceptions are indicated.

PST	City	Program	Station
3:15 a.m.	China	News (English)	XGXY (11.9)
3:30 a.m.	Seigon	News (English)	(11.78)
4:30 a.m.	Delhi, India	News (English)	VUJ2 (9.59)
4:30 a.m. (ex. Sun.)	Melbourne	War news	VLIH (9.58)
4:30 a.m.	San Francisco	News (Kneelish)	KGEI (9.53)
4:45 a.m.	London	News (Italian)	GSG (17.79)
5 a.m.	Berlin	Variety program	DJB (15.20)
5 a.m.	New York City	European Pick-ups	WCBX (21.57) WGEA (15.33)
5:15 a.m. (ex. Sun., Mon.)	San Francisco	Golden Gate Expedition	Strober: KGEI (9.53)
5:30 a.m.	Tokyo	News (English)	JZJ (11.8)
6 a.m.	China	News (English)	XGXY (11.9)
6 a.m.	Pittsburgh, Schenectady	News (English)	WPIT (15.21) WGEA (15.33)
6:15 a.m.	Olo	News (French)	LKY (15.17)
8:05 a.m. (ex. Sun.)	New York City	News (German, French, Italian, Polish)	WCBX (21.57)
9 a.m.	New York City	English Hour	WNBI (17.78)
10 a.m.	New York City	News (Italian)	WNBI (17.78)
10:30 a.m.	New York City	News (English)	WNBI (17.78)
11 a.m.	New York City	News (German)	WNBI (17.78)
11:15 a.m.	London	News (French)	GSI (15.26)
12 noon	New York City	News (French)	WNBI (17.78)
12:30 p.m.	New York City	News (English)	WCBX (15.27)
1 & 4 p.m.	New York City	News (Portuguese)	WNBI (17.78) WRCA (9.67)
1:15 p.m.	London	News (German)	GSP (15.31)
1:55 p.m. (ex. Sat., Sun.)	Pittsburgh, Schenectady	News (English)	WPIT (11.87) WGEA (15.33)
2 p.m. (ex. Sun.)	New York City	News (Polish, French, German, Italian)	WCBX (11.83)
2 & 3 p.m.	New York City	News (Spanish)	WNBI (17.78) WRCA (9.67)
2:45 p.m.	Lisbon	Variety program	CSWT (9.74)
3:30 p.m.	Panama	News (English)	HPSA (11.7)
3:30 p.m. (ex. Sat., Sun.)	New York City	Kal-Jambon views the news	WCBX (11.83)
3:45 p.m. (ex. Sat., Sun.)	Cincinnati	News (English)	WLWO (6.06)

On Short Waves

Edited by Charles A. Morrison

President, International DX'ers Alliance

Radio Center-Moscow Calling

SHORT-WAVE radio is an absolute necessity in Soviet Russia since it is the only means of communication between millions of inhabitants scattered throughout its vast expanses. Children are educated by radio, collective farms run by radio, and the only news of the outside world received in remote settlements is by radio. Radio Center-Moscow, the nerve center of Soviet Russia's complicated radio networks, broadcasts by short wave daily programs in more than a score of different Slavonic languages and dialects to its own peoples and to world audiences in French, German, Spanish, Italian, Hungarian, Czech, Swedish and English.

You can hear Moscow on your all-wave receiver but you must be patient for it is an elusive visitor. To reach this country its signals must cross great magnetic deposits within the Arctic Circle. These magnetic disturbances often sidetrack Moscow's signals before they reach us, but under favorable conditions this city may occasionally be heard with good signal strength. The daily Soviet broadcast for North America is radiated from 4 to 5:50 p.m. PST. At this time of the year the following frequencies are used: RK1 (15.04), RNE (12.00), RAN (9.60) and RV96 (6.03). Of these, only RK1 and RV96 occupy clear channels. Signals from RK1 (15.04) are usually weak but fairly intelligible. It is easy to locate at the extreme low-frequency side (nearest 15 megs) of the 19-meter band. RNE (12.00) is at the extreme high-frequency side (nearest 12 megs)

of the 25-meter band, but is usually badly cut up by code interference. RAN (9.60) is right in the most congested part of the 31-meter band, between DXB (9.61), Berlin, and WCAB (9.59), Philadelphia, and usually under one or two layers of Latin stations. You will find it difficult to locate RAN unless you are an expert listener with a very sharp-tuning set. ItV96 (6.03) is a mid-winter frequency on the 49-meter band and should furnish good reception during December and January. It is at the low-frequency side (nearest 6 megs) of the band.

If you are tuning near one of the spots described above, between 4 and 5:50 p.m. PST, and you hear a woman giving an English commentary, followed by a man giving the same line of talk, and the signal constantly wavers (sort of a bubbling effect), you are in tune with Moscow. The program opens (and closes) with the Soviet "Internationale," followed by these words in English, "This is Radio Center-Moscow calling," given by a woman. The program consists of a monotonous series of English talks, mostly very direct and blunt anti-democracy propaganda (formerly anti-Nazi), given alternately by male and female announcers, occasionally interspersed with somber semi-classical music of the Russian type. Moscow's programs are distinctly not entertaining, but if you want to hear all sides of the present war of words, you will want to know what Moscow is saying—this is the American short-wave listener's right.

FROM THE EUROPEAN ARENA: Berlin now broadcasts to North America as follows: From 1:55 to 7:50 p.m. PST, over DJD (11.77) and DXB (9.61) and from 1:55 to 5 p.m., over DJL (15.11). The early morning program for United States listeners, daily 5 to 6 a.m. PST, is now broadcast over DJB (15.20), with news in English at 5:30 a.m. . . . European frequencies at the high-frequency side of the 31-meter band, namely GRX (9.69), Paris Mondial (9.68) and DXB (9.61), are all suffering badly from interference caused by adjacent Latin stations at present. . . . Rene Weiller, consul general for France, at Chicago, writes the following program items may now be heard over Paris Mondial (9.68 or 11.885): 5:03, news in English; 5:15, an English talk; 5:30, news in French; 5:45, a vocal re-

port; 6, the news in Spanish; 7:30, news and events of the moment; 7:45, music; 8:30, news in English; 8:45, news in Spanish; 9, a talk in English, and at 9:15 p.m. PST, the news in English, with sign-off at 9:30 p.m. PST. . . . Sweden presents a fine program for North American listeners on Wednesdays and Saturdays from 5 to 6 p.m. PST. Last Saturday's broadcast was heard with very loud volume over SBT (15.155), SBP (11.705) could not be heard at the time. . . . According to the MNRC, the new 10,000-watt international station at Spata, Greece, to take the air almost any day now, has been assigned the following calls and frequencies: SVD (6.885), SVL (7.228), SVG (7.805), SVH (9.030), SVI (9.695), SVJ (9.825), SVM (9.935), SVN (10.705), SVP (12.195), SVQ (13.64).

4 p.m.	Moscow	News, talks and music	RAN (9.60) ItV96 (6.03)
4 p.m.	London	News (Portuguese)	GSD (11.75)
4 p.m. (ex. Sat.)	Budapest	Program from Hungary	HAT4 (9.125)
4 p.m.	Belgrade	Program for North America	YUG (15.24 or 11.74)
4:15 p.m. (ex. Sat., Sun.)	New York City	News (Portuguese)	WCBX (11.83)
4:30 p.m.	Rome	American Hour	ZRD3 (9.63) ZRD4 (11.81)
4:30 p.m.	Berlin	Interesting events of the day	DJD (11.77)
4:45 p.m.	Madrid	North American program	EAQ (9.86)
4:55 p.m.	Prague	Program for Czechs	OLR4A (11.84)
5 p.m.	Paris	Talks, plays, music and news	(11.885 or 9.68)
5 p.m.	London	News (Portuguese and Spanish)	GSI (9.51) GSP (15.31)
5 & 6 p.m.	New York City	News (Spanish)	KGEI (15.33) WPIT (11.87) WRCA (9.67)
5 p.m.	Tokyo	Program for Eastern North America	JZK (15.16)
5:15 p.m.	Paris	English talk	(9.68 or 11.885)
5:30 p.m.	Paris	News (French)	(9.68)
5:50 p.m.	Rome	News (Italian)	ZRD3 (9.63) ZRD4 (11.81) ZRD6 (15.30)
5:55 p.m.	New York City	News (Kneelish)	WCBX (11.83)
6 p.m.	China	Program in English	XGXY (15.2)
6 p.m.	Paris	News (Spanish)	(9.68 or 11.885)
6 p.m.	London	News (Spanish)	GSI (9.51)
6:30 p.m.	Denmark	Program for Danish listeners	DFX (9.52)

7 p.m.	New York City	News (English)	WRCA (9.67)
8 p.m.	New York City	Commentaries by Guenther and Baukhaer	WGEA (9.53)
8 p.m.	Cincinnati	News (English)	WLWO (6.06)
8:45 p.m. (ex. Sat.)	Capetown	Settling-up exercises from South Africa	ZHL (9.61)

Saturday, November 4

For programs broadcast daily see Daily Programs (Col. 1)

10:45 a.m.	Boston	Football: Yale vs. Dartmouth	WRUW (15.13) WRUL (11.79)
5 p.m.	Stockholm	Program for Swedish listeners in North America	SBP (11.705) SBT (15.155)
5:30 p.m.	Hawaii	Native music and songs from Honolulu	KHE (18.06) KQH (14.92)
8 p.m.	Mexico City	Variety program for American listeners	NEXA (6.175)
10 p.m.	Guatemala	DX program dedicated to the Radio Signal Survey League	TG2 (6.195)

Sunday, November 5

For programs broadcast daily see Daily Programs (Col. 1)

6 a.m.	New York City	European Pick-ups	WCBX (21.57)
9:45 a.m.	Guatemala	Marimba Ensemble	TGWA (15.17)
2:15 p.m.	Pittsburgh, Schenectady	European program pick-ups	WPIT (11.87) WGEA (15.33)
4 p.m.	New York, Philadelphia	The War Time Work	WCBX (11.83) WCAB (6.06)
4:45 p.m.	Home	Opera from the Royal Opera	

Important Short-Wave Stations

(Megacycles or thousands of kilocycles shown)

COCO, Cuba	8.10	RNE	12.00
COGQ, "	8.85	RV96	6.03, 15.18
CSWT, Portugal	9.735	SBP, Sweden	11.705
DJB, Germany	15.20	SBW, Poland	13.635
DJD, "	11.77	TGWA, Guatemala	9.685, 15.17
DJL, "	15.11		
DXB, "	9.61	TG2, Guatemala	6.195
EAQ, Spain	9.86	VE3ME, Australia	9.31
KINE, Ireland	17.84	VLR, "	9.58
	9.955	WEXJ1, New York City	23.390
GRX, England	9.69	WXP1, "	24.30
GSA, "	6.06	WCAB, Philadelphia	9.59
GSD, "	9.51	Pa. 6.06, 9.59, 11.40	
GSI, "	9.58	WCBX, New York City	11.83
GSP, "	15.31	21.57, 15.27, 11.80	
GST, "	15.14	9.68, 6.06	
GSO, "	17.79	WGEA, Schenectady	15.33
GRH, "	11.47	N.Y. 21.50, 15.20, 9.68	
GSI, "	15.28	WGED, Schenectady	15.33
GSI, "	21.51	N.Y. 9.63	
GSO, "	18.15	WLWO, Cincinnati	6.06
GSP, "	15.31	Ohio	6.06
GSV, "	17.81	WRNB, New York City	17.78
HAT4, Hungary	9.125	WPIT, Pittsburgh, Pa.	11.87
HJZ, Switzerland	14.535	Pa. 21.54, 15.21	
HBO, "	11.408	11.87, 6.14	
HPSA, Panama	11.70	WRCA, New York City	9.67, 6.14
IPSG, "	11.78	11.70, 6.04	
ITV, Yvelin City	15.17	8.87, 6.10	
JZJ, Japan	15.15	WRUL, Boston, Mass.	11.70, 6.04
JZJ, "	11.80		
JZK, "	15.16	WRUW, Boston	11.70, 11.13
KGEI, San Francisco, Calif.	9.53, 15.33	XEWW, Mexico	9.50
LKX, Argentina	8.08	XPOX, China	15.20
MTCY, Manchukuo	17.81	YOPY, "	11.90
	11.775	XZY, "	11.2, 11.90
OLR4A, Bohemia	11.81	YF5KM, Venezuela	5.04
OPF, Denmark	9.52	YUG, Yugoslavia	15.24, 11.74
OZH, "	15.20	ZRD3, Italy	9.63
PARIS MONDIAL, France	9.68, 11.885	ZRD4, "	11.81
	15.345	ZRD5, "	15.30
PCJ, Holland	9.29, 15.22	ZRD6, "	9.67
PHI, "	17.75	ZRD7, Luxembourg	6.90
RAN, U.S.S.R.	9.60		

Home: ZRD3 (9.63) ZRD4 (11.81)
 5 p.m. (Sun., Mon., Tues.)—Luxemburg—Program from Luxemburg: (6.09)
 6:30 p.m.—Paris—English play: (9.68)
 7 p.m.—Hawaii—Native music and songs from Honolulu: KQH (14.92) KKH (7.52)

Monday, November 6

For programs broadcast daily see Daily Programs (Col. 1)

1 p.m.—Boston—News (German, French, Italian, English): WRUW (15.13) WRUL (11.79)
 2:30 p.m.—Schenectady—Travel talk about interesting spots in America: WGEA (9.53)
 4 p.m.—Boston—Radio and Television Course: WRUL (6.04) WRUW (11.79)
 5 p.m.—Rio de Janeiro—Brazilian program for North America, with tropical music, travel talks and news: PNH (10.22)
 5:30 p.m.—Home—Letters from listeners in all parts of world: ZRD3 (9.63) ZRD4 (11.81)
 5:45 p.m.—Schenectady—Program for listeners in North America: HBO (11.402)

Tuesday, November 7

For programs broadcast daily see Daily Programs (Col. 1)

3:15 a.m.—French Indo-China—Reading English letters: Radio Saigon (11.78)
 1:30 p.m.—Boston—Letters from foreign listeners: WRUW (15.13) WRUL (11.79)
 5:45 p.m.—Holland—Music, talks and humor in English: PCJ (9.59)
 6 p.m. (Tues., Thurs., Sat.)—Costa Rica—Informal English programs from the parlor of Amanda Cespedes Marin: IIANRH (9.69)
 6:15 p.m.—Paris—English play: (9.68)
 7 p.m.—Boston—Course in Aviation: WRUW (15.13) WRUL (11.79)

Wednesday, November 8

For programs broadcast daily see Daily Programs (Col. 1)

4:45 p.m.—Berlin—Press Review in English: DJD (11.77) DXB (9.61)
 5 p.m.—Stockholm—Program for Swedish listeners in North America: SBP (11.705) SBT (15.155)
 5:15 p.m.—Rome—Tourist notes in English: ZRD3 (9.63) ZRD4 (11.81)
 6 p.m. (Wed., Thurs., Fri.)—Luxemburg—Program from Luxemburg: (6.09)
 7:15 p.m.—Guatemala—Opera: TGWA (9.685)

Thursday, November 9

For programs broadcast daily see Daily Programs (Col. 1)

1 p.m.—Schenectady—Latest science news: WGEA (9.53) WGEA (15.33)
 4 p.m.—Budapest—Old Hungarian dance music: HAT4 (9.125)
 6 p.m.—Berlin—Weekly letter in English to home-talks back in Iowa: DJD (11.77)
 7:15 p.m.—San Francisco—Travel talk: KGEI (15.33)
 8 p.m.—Guatemala—Marimba band: TGWA (9.685)

Friday, November 10

For programs broadcast daily see Daily Programs (Col. 1)

1 p.m.—Buenos Aires—News and Brazilian music: LRA5 (17.83)
 4:30 p.m.—Budapest—Hungarian songs and chorale music: HAT4 (9.125)
 4:45 p.m.—Home—Guest star appearances: ZRD3 (9.63) ZRD4 (11.81) ZRD5 (15.3)
 5:15 p.m.—Rome—Talk in English about current events in Rome: ZRD3 (9.63) ZRD4 (11.81)
 6:30 p.m.—Guatemala—Opera, "Ondino": TG2 (6.19)

European News in English

Daily Morning		STATION	DIAL
EST	CST	CITY	
4:00 a.m.	3:00 a.m.	London	G5B 9.51
4:30 a.m.	3:30 a.m.	Berlin	DJB 15.20
6:00 a.m.	5:00 a.m.	Paris	TPB3 17.85
6:30 a.m.	5:30 a.m.	London	G5G 17.79
			G5J 21.53
7:45 a.m.	6:45 a.m.	Berlin	DJB 15.20
8:15 a.m.	7:15 a.m.	London	G5C 17.79
			G5J 21.58
8:30 a.m.	7:30 a.m.	Berlin	DJB 15.20
10:55 a.m.	9:55 a.m.	Rome	2R06 15.30
11:00 a.m.	10:00 a.m.	London	G5C 17.79
			G5J 21.53

Daily Afternoon		STATION	DIAL
12:30 p.m.	11:30 a.m.	London	G5I 15.26
1:00 p.m.	12:00 noon	Berlin	DJB 15.11
1:18 p.m.	12:18 p.m.	Rome	2R04 11.81
2:00 p.m.	1:00 p.m.	London	G5I 15.26
			G5C 17.79
3:00 p.m.	2:00 p.m.	Berlin	DJB 15.11
3:50 p.m.	2:50 p.m.	London	G5P 15.31
			G5F 15.14
4:15 p.m.	3:15 p.m.	Berlin	DXB 9.61
4:45 p.m.	3:45 p.m.	London	G5P 15.31
			G5F 15.14

Daily Evening		STATION	DIAL
6:00 p.m.	5:00 p.m.	Berlin	DJD 11.77
			DXB 9.61
			or 9.71
6:30 p.m.	5:30 p.m.	London	G5D 11.75
			G5B 9.51
6:45 p.m.	5:45 p.m.	Berlin	DXB 9.61
7:00 p.m.	6:00 p.m.	Moscow	RNE 12.00
			RAN 9.60
			DXB 9.61
7:25 p.m.	6:25 p.m.	Berlin	DXB 9.61
(ex. Sat.)	(ex. Sat.)		
7:30 p.m.	6:30 p.m.	Budapest	HAT4 9.125
(ex. Sat.)	(ex. Sat.)		
7:30 p.m.	6:30 p.m.	Rome	2R03 9.63
			2R04 11.81
			G5B 9.51
			G5D 11.75
			EA0 9.86
			Paris 9.68
			Mondial 11.885
8:15 p.m.	7:15 p.m.	Berlin	DJD 11.77
			DXB 9.61
			or 9.71
9:45 p.m.	8:45 p.m.	London	G5B 9.51
			G5D 11.75
10:30 p.m.	9:30 p.m.	Berlin	DJD 11.77
			DXB 9.61
			or 9.71
11:00 p.m.	10:00 p.m.	London	G5B 9.51
			G5C 9.58
			Paris 9.68
			Mondial 11.885
12:15 a.m.	11:15 p.m.	Paris	Paris 9.68
			Mondial 11.885
1:15 a.m.	12:15 a.m.	London	G5B 9.51
3:00 a.m.	2:00 a.m.	London	G5B 9.51
3:00 a.m.	2:00 a.m.	Moscow	RV96 15.18

Daily Programs, Sat., Nov. 25, through Fri., Dec. 1

The programs listed here are those broadcast daily at the same time. Exceptions are indicated.

EST	City	Program	Station
6:15 a.m.	China	News (English)	XGOY (11.90)
6:30 a.m.	Saigon	News (English)	16.116
7 a.m.	Tokyo	Japanese and English program for South Sea; JZJ (11.80) JZJ (9.535)	
7:30 a.m.	Delhi	News (English)	VUD2 (9.59)
7:30 a.m. (ex. Sun.)	Melbourne	War news from Australia	VLR (9.58)
8 a.m.	Berlin	Variety program for North American listeners	DJB (15.20)
8:30 a.m.	Tokyo	News (English)	JZJ (11.80)
9 a.m.	China	News (English)	XGOY (11.90)
			KPSA (7.01)
10:30 a.m.	Saigon	News (English)	11.78
12 noon	Panama	International Hour	HP5G (11.78)
12:45 p.m.	Guatemala	Narimba band	TGWA (15.17)
3 p.m.	Rome	Evening concert with English announcements	2R06 (15.30) 2R04 (11.81)
3:15 p.m.	London	Talk about England in war times	G5G (17.79) G5I (15.26)
6:05 p.m.	Lisbon	Variety program from Portugal for North America	CSW7 (9.74)
6:15 p.m.	Martinique	News (English)	(9.70)
6:30 p.m.	Panama	News (English)	HP5A (11.7)
7 p.m.	Moscow	News, talks and music from Soviet Russia for listeners in North America	RAN (9.60) RNE (12) RV96 (6.03)
7 p.m. (ex. Sat.)	Budapest	Programs from Hungary for North America	HAT4 (9.125)
7 p.m.	Belgrade	Program for North America from Jugoslavia	YUG (15.24) YUE (11.74)
7:30 p.m.	Rome	"American Hour" for listeners in North America	2R03 (9.63) 2R04 (11.81)
7:30 p.m.	Berlin	Interesting events of the day in recorded form	DJD (11.77) DXB (9.61)
7:45 p.m.	Madrid	Special North American program from Spain	EAQ (9.86)
8 p.m.	Paris	Talks, plays, music and news for North America	(9.68 and 11.885)
8:15 p.m.	Tokyo	News (English)	JZK (15.16)
8:15 p.m.	Paris	English talk concerning current activities in Paris	(9.68 and 11.885)
9 p.m.	China	Program in English for listeners in North America	XGOX (15.20)

On Short Waves

Edited by Charles A. Morrison

President, International DX'ers Alliance

Programs from foreign countries subject to change without notice

OVERSEAS BROADCASTS FROM JAPAN

THE five daily overseas broadcasts of the Broadcasting Corporation of Japan, which originate in the new four-million-yen Broadcasting House at Tokyo, are radiated as follows:

From 12 midnight to 1:30 a.m. EST over JZJ (9.535), directed to the Pacific Coast of North America and Hawaii; from 7 to 9:30 a.m. EST over JZJ (9.535) and JZJ (11.80) directed to China and the South Seas; from 2:00 to 4:00 p.m. EST over JWV (7.257) and JZJ (11.80), directed to Europe; from 4:30 to 5:30 p.m. EST over JZJ (11.80) and JZK (15.16), directed to South America, and from 8:00 to 9:00 p.m. EST over JZK (15.16), directed to North America.

All broadcasts open and close with the playing of "Kimigayo," the national anthem of Japan, followed by a series of soft chimes representing the notes in the first four bars of the same song. Newscasts in English are read at 8:15 p.m. and 12:03 a.m. EST. These bulletins consist almost entirely of latest war news from the Sino-Japanese conflict, as furnished

by the Domei News Agency. Japanese victories are of course greatly overemphasized, while Chinese victories are never mentioned.

Reception from Japan ranges from fair to good, depending upon the listener's location, direction in which the receiving aerial runs, season of the year, and frequency in use. Listeners in the central and eastern states should tune for Tokyo at 8:00 p.m. EST. JZK (15.16) is located near the low-frequency side (nearest 15 megacycles) of the 19-meter band (the 19-meter band will probably be a short, thick line or dc. marked as 19 M on your dial), and will be just above GSF (15.14), London, which, at that period broadcasting to Latin America, will probably be weaker than JZK. . . . Listeners in the western states should tune for Tokyo at 12 midnight EST. JZJ (9.535) will be found in the 31-meter band just a hair above KGEI (9.530) of San Francisco, California. Some nights KGEI will blanket JZJ, but if reception conditions are right JZJ should top the U. S. station in volume.

FROM THE EUROPEAN ARENA: Those who understand German will get an ear-opener by tuning in the broadcast from London intended for those brave listeners in Germany who, flitting with the firing-squad, hover over forbidden short-wave sets hidden away in the attic or cellar. Best reception may be had at 2:30 p.m. EST, over G5I (15.26) or G5P (15.31), or at 4:15 p.m. EST, over G5P (15.31) or GRX (9.69). To tempt the Germans to thus take their lives in their hands, news notes giving the names of German prisoners of war held in British camps are sandwiched in between general news items favorable to the Allies' cause. The twenty names of prisoners read daily consume only half a minute of the news period. . . . Desmond Callan of Readville, Mass., reports the German short-wave station has a new interval signal, consisting of five piano notes of the same pitch repeated over and over, which is used occasionally. . . . CSW7 (9.74), "Emissora Nacional" of Lisbon, Portugal, is coming through with tremendous signal strength these nights, from 6:15 p.m. EST on. A deep-toned clock boom out the hours. Just before the clock strikes, chimes, similar to those ushering in Big Ben, are sounded.

THE NEWS IN GENERAL: YONG (9.475), St. John's, Newfoundland, operates from 4:30 to 10 p.m. EST. . . . British short-wave stations VK3ME, Melbourne; VK2ME, Sydney, Australia, and VPDZ, Suva, Fiji's, are all off the air for the duration of the war. . . . "Radio Martinique" (9.70), Fort-de-France, Martinique, B. W. I., radiates a news bulletin in English nightly at 6:15 p.m. EST. . . . VP6YB

10 p.m. (ex. Mon.)	Ecuador	Religious program in English	HC2B (12.45)
12:03 a.m.	Tokyo	News (English)	JZJ (9.535)
1:30 a.m.	Hankow	English program from Manchukuo for North America	MTCV (11.775)

Saturday, November 25

5:45 p.m.	London	Talk, "London Lou"	G5P (15.31)
6:40 p.m.	Budapest	Gypsy band	HAT4 (9.125)
8:30 p.m.	Rome	Talk, "Italian Landmarks"	2R03 (9.63) 2R04 (11.81)
8:30 p.m.	Hawaii	Native music and songs from Hawaii	KIIE (18.04) KQII (14.92)
8:30 p.m.	Tokyo	Ban and Illis Yano Band	JZK (15.16)
9 p.m.	Berlin	Letter in English to home folks back in Iowa	DJD (11.77) DXB (9.61) or 9.71
1 a.m.	Nicaragua	DX program	YN3DG (13.90)

in Barbados, British West Indies, formerly an amateur station, has been taken over by the Government for broadcasting purposes and operates nightly from about 6:15 p.m. EST, on frequencies of 4.2 or 3.7 megs. . . . The first organization to sponsor a program over a United States international station as a distinctly short-wave feature is the United Fruit Company, which has signed on the dotted line for a daily quarter-hour evening spot over NBC stations WRCA and WNBI. . . . According to Ama-Touring, many undercover amateur stations are now being heard as a result of the withdrawal of licenses in so many countries. Among these is LX1UU (28.16), believed to be a British station; ES3CA (28.12), using a French accent, so probably in France; 2Z2Z (14.12), claiming to be in Iceland, and 2X4M (14.115), believed to be operating from Cuba. . . . Hal Klein of Los Angeles, California, writes that MTCV (11.775), which operates for North America nightly from 1:30 to 2:30 a.m. EST, with a power of 20,000 watts, has since its inauguration on July 20 received 436 reports, including almost every country of the world. The Hinking (Manchoukuo) station is well heard in the United States. . . . "Radio Saigon," French Indo-China, power of 12,000 watts, is now operating on 11.78 megs, from 8:30 to 10:45 a.m. EST and on 11:15 p.m. to 12:45 a.m. EST and on 6:16 megs, from 6 to 8:30 a.m. EST and from 6:45 to 7:45 p.m. EST. English broadcasts are radiated daily on 6.116 megs, from 6 to 6:45 a.m. EST and on 11.78 megs, from 11:45 p.m. to 12:15 a.m. EST and from 10:30 to 10:45 a.m. EST.

2 a.m.	Guatemala	DX program dedicated to the International DX'ers Alliance	TGZ (16.19)
2 a.m.	Luxemburg	Special test broadcast from Luxemburg	(6.09)

Sunday, November 26

10 a.m.	Guatemala	Closing ceremonies of the National Fair of 1939, from La Aurora Park in Guatemala	TGWA (15.17)
1 p.m.	Vatican City	English talk and announcements	HPJ (15.12)
7:45 p.m.	Rome	Opera, "Fedora," from Royal Opera House, Rome	2R03 (9.63) 2R04 (11.81)
8:30 p.m.	Rome	Interviews in English with celebrities visiting Rome	2R03 (9.63)
8:30 p.m.	Tokyo	English talk, "Communism in China"	JZK (15.16)
10 p.m.	Hawaii	Native songs and music from Honolulu	KQII (14.92)

Important Stations

Megacycles or thousands of kilocycles shows			
CSW7, Portugal	9.736	PCJ, Holland	9.90, 10.22
DJB, Germany	15.80	PMI, "	17.73
DJD, "	11.77	RAN, U.S.S.R.	6.00
DJL, "	15.11	RNE, "	12.00
DJN, "	8.94	RV96, "	6.05, 10.18
DXB, "	9.71, 9.41	SRP, Sweden	11.790
EAQ, Spain	9.86	SST, "	16.16
KIIE, Ireland	17.84	TOWA, Guatemala	8.883, 16.17
	8.995		
GRX, England	9.69	TDR, Guatemala	8.190
GSA, "	9.66	VLM, "	6.98
GSD, "	9.51	WCAR, Philadelphia	
GSC, "	9.58	Pa. 8.08, 8.58	81.88
GSD, "	11.78	WCX, New York City	
GSD, "	11.80	11.87, 12.87	11.85
GSP, "	15.14		8.60, 6.06
GSP, "	17.79	WQEA, Erie, Pa.	
GSP, "	17.79	N.Y. 21.00, 18.33	8.80
GST, "	15.26	WQEB, Rochester, N.Y.	9.43
GST, "	15.26	N.Y. "	
GST, "	15.18	WLWD, Cloquet, Minn.	8.04
GST, "	15.21	Ohio "	
GST, "	17.41	WNBI, New York City	17.78
HAT4, Hungary	9.125		
KBL, Switzerland	9.34	WPIT, Pittsburgh, Pa.	
KEB, "	11.408		81.34, 15.81
KPSA, Panama	11.70		11.87, 8.14
KPSO, "	11.75	WRCA, New York City	
KVJ, Yonkers City	15.12		8.07, 8.10
JZJ, Japan	9.535	WRUL, Boston, Mass.	11.78, 8.04
JZK, "	15.16	WRUV, Boston, Mass.	11.77, 15.13
KGEI, San Francisco, Calif.	9.53, 15.33	XEWX, Mexico	8.90
LBX, Argentina	9.64	XGOX, China	15.20
MTCV, Manchukuo	11.775	XGOY, "	11.90
		YFE, Yugoslavia	11.74
OLRAA, Bohemia	11.84	YFE, "	15.84
OSZ, Denmark	9.82	YVAXX, Venezuela	8.04
QZB, "	15.30	ZRO3, Italy	8.62
PARIS MONDIAL, France	9.68, 11.885	ZRO4, "	11.81
	15.842	ZRO5, "	18.90
		ZRO6, "	8.07

Manday, November 27

10:45 a.m.	Rome	English talk, "Problems of the Pacific"	2R06 (15.30)
7:15 p.m.	London	Talk, "Background to the News"	G5B (9.51) G5D (11.75)
8 p.m.	Rio de Janeiro	Brazilian program for North America, with typical music, travel talks and news	PSII (10.22)
8 p.m.	Rome	Folk songs by students of Rome University	2R03 (9.63) 2R04 (11.81)
8:30 p.m.	Rome	Letters from listeners in all parts of the world	2R03 (9.63)
12:40 a.m.	Tokyo	Japan Information Series	JZK (15.16)

Tuesday, November 28

6:15 a.m.	French Indo-China	Reading of English letters from all parts of the world	Haku Saigo (6.116)
4 p.m. (Tues., Thurs., Sat.)	Lisbon	English variety program	CSW7 (9.74)
5:45 p.m.	London	Talk, "In England Now"	G5P (15.31) G5F (15.14)
7:15 p.m.	London	Talk, "Cards on the Table"	G5D (11.75) G5B (9.51)
7:40 p.m.	Budapest	Hungarian Gypsy band	HAT4 (9.125)
8:45 p.m.	Holland	Music, talks and humor in English	PCJ (9.59)
9 p.m. (Tues., Thurs., Sat.)	Costa Rica	Informal English programs from Amanda Cespedes Marin's parlor	T14NRI (9.69)
9:15 p.m.	Paris	English play	(9.68)

Wednesday, November 29

10:10 a.m.	Rome	Opera, "Madame Butterfly"	2R03 (9.63) 2R04 (11.81)
5:15 p.m.	Rome	"Listener's Corner"	2R04 (11.81)
5:45 p.m.	London	Talk, "Matters of Moment"	G5P (15.31) G5F (15.14)
7 p.m.	Budapest	Hungarian songs	HAT4 (9.125)
7:45 p.m.	Berlin	Press Review in English	DJD (11.77) DXB (9.61) or 9.71
8:15 p.m.	Holland	Program of music and humor for North America	PCJ (9.59)
8:45 p.m.	Switzerland	Concert and variety program for North America	IFBL (9.34)
9 p.m. (Wed., Sat.)	Costa Rica	English talks describing interesting spots in Costa Rica	T10G (9.61)
10 p.m.	Guatemala	Opera	TGWA (9.685)
11:30 p.m.	London	Talk, "Matters of Moment"	G5B (9.51) G5D (11.75)

Thursday, November 30

10:15 a.m.	London	Talk, "Background to the News"	G5C (17.79) G5J (21.53)
7:15 p.m.	London	Talk, "Background to the News"	G5B (9.51) G5D (11.75)
7:40 p.m.	Budapest	Gypsy band	HAT4 (9.125)
9 p.m.	Berlin	Letter in English to home folks back in Iowa	DJD (11.77) DXB (9.61) or 9.71

Friday, December 1

4 p.m.	Buenos Aires	News and Brazilian music	LRA5 (17.83) LRA1 (9.69)
5:45 p.m.	London	Talk, "In England Now"	G5P (15.31) G5F (15.14)
7:45 p.m.	Rome	Guest Star Appearances	2R03 (9.63) 2R04 (11.81)
8:15 p.m.	Home	Talk in English about current events in Italy	

European News in English

Daily	Morning	STATION	DIAL
EST	CITY		
4:00 a.m.	London	G5B	9.51
4:30 a.m.	Berlin	DJB	15.20
5:45 a.m.	London	G5C	17.79
6:00 a.m.	Paris	TPB3	17.85
6:30 a.m.	London	G5C	17.79
7:45 a.m.	Berlin	DJB	15.20
8:15 a.m.	London	G5V	17.81
8:30 a.m.	Berlin	DJB	15.20
10:55 a.m.	Rome	ZR06	15.30
11:00 a.m.	London	G5V	17.81

Daily	Afternoon	STATION	DIAL
12:30 p.m.	London	G5I	15.25
1:00 p.m.	Berlin	DJB	15.11
1:35 p.m.	Rome	ZR04	11.81
2:00 a.m.	London	G5P	15.31
3:00 p.m.	Berlin	DJB	15.11
3:50 p.m.	London	G5D	11.75
4:15 p.m.	Berlin	DXB	9.61
4:45 p.m.	London	G5D	11.75

Daily	Evening	STATION	DIAL
6:00 p.m.	Berlin	DJD	11.77
6:30 p.m.	London	G5D	11.75
6:45 p.m.	Berlin	DXB	9.61
7:00 p.m.	Moscow	RAN	9.60
7:25 p.m.	Berlin	DXB	9.61
(ex. Sat.)			
7:30 p.m.	Budapest	HAT4	9.125
(ex. Sat.)			
7:30 p.m.	Rome	ZR03	9.63
7:30 a.m.	London	G5D	11.75
7:45 a.m.	Madrid	EAQ	9.86
8:03 p.m.	Paris	PAR	9.68
8:15 p.m.	Berlin	DJD	11.77
9:45 a.m.	London	G5C	9.59
10:30 a.m.	Berlin	DXB	9.61
11:00 p.m.	London	G5C	9.58
11:30 p.m.	Paris	PAR	9.68
12:15 a.m.	Paris	PAR	9.68
1:15 a.m.	London	G5B	9.51
3:00 a.m.	London	G5B	9.51
3:00 a.m.	Moscow	RV96	15.18

Daily Programs, Sat., Dec. 2, through Fri., Dec. 8

The programs listed here are those broadcast daily at the same time. Exceptions are indicated.

EST	City	Program	Station
6:15 a.m.	Chico	News (English)	X104 (11.9)
6:30 a.m.	Southern	News (English)	Budapest (11.81) and 11.78
7:30 a.m.	Dallas	News (English)	X102 (9.59)
7:30 a.m. (ex. Sun.)	Melbourne	War news from Australia	X11 (9.59)
8 a.m.	Berlin	Variety program for North American listeners	DJB (15.20)
8:30 a.m.	Tokyo	News (English)	J21 (11.9)
9 a.m.	China	News and talks in English	XG0V (11.97) XPSA (7.01)
10:30 a.m.	Southern	News (English)	(11.78)
12 noon	London	International Hour	HP33 (11.75)
12:45 a.m.	Guatemala	Market hour	TGWA (9.57)
3 p.m.	Rome	Exchange rates with English announcements	ZR06 (15.30) ZR04 (11.81)
3:15 p.m.	London	Talk in English about war news	G5D (11.75)
6:15 p.m.	London	Variety program from Portugal for North America	CSW7 (9.74)
6:15 p.m.	Maritime	News (English)	(9.72)
6:30 p.m.	Panama	News (English)	HP54 (11.77)
6:47 p.m. (ex. Sun.)	Philadelphia	Conversations from Europe	WJAB (9.59 or 6.05)
7 p.m.	Moscow	News, talks and music from Soviet Russia for listeners in North America	RAN (9.60) RNI (15.04) RV96 (15.03)
7 p.m. (ex. Sat.)	Budapest	Program from Hungary	W49 (9.125)
7 p.m.	Dallas	Program for North America from Japan	Y14 (15.24) Y16 (11.74)
7:30 p.m.	Boston	War news hour for listeners in North America	ZR03 (9.63) ZR04 (11.81)
7:30 p.m.	Berlin	Interesting events of the day in reversed form	DJD (11.77) DNB (9.61)
7:45 p.m.	Madrid	Special North American interests from Spain	LAM (9.56)
8 p.m.	Paris	Talks, plays, music and news for North America	PAR (9.68 and 11.85)
8 p.m.	Tokyo	Program for listeners in North America from Japan	J21 (11.9)
8:15 p.m.	Paris	English talk concerning current events in Paris	PAR (9.68 and 11.85)
9 p.m.	Panama	Spanish concert with English announcements	HP54 (11.77)
9 p.m.	China	Program in English for listeners in North America	XG0V (11.97)
10 p.m.	Chico	American radio news and announcements in English	X104 (11.9)
10 p.m. (ex. Mon.)	London	Belgian program in English	HP33 (11.75)
12:03 a.m.	Tokyo	News (English)	J21 (9.59)
1 a.m.	Vancouver	News (English)	CRN (16.03)
1:30 a.m.	Honolulu	English program from Mainland for North America	MHY (11.77)

Saturday, December 2

4:45 a.m.	San Francisco	Interesting letters from the Orient and South Seas	KGEI (9.53)
3:15 p.m.	Turkey	News (English)	TAP (9.45)
5:45 p.m.	London	Talk, "London Lou"	G5C (9.58)

On Short Waves

Edited by Charles A. Morrison

President, International DXers Alliance

Programs from foreign countries subject to change without notice

HOW TO HEAR TURKEY

ANKARA, the new capital of the Turkish Empire, built by the late energetic Kemal Ataturk, is the site of "Radio Ankara," 20,000-watt short-wave station of the Ottoman government. This station operates normally on two frequencies, namely, TAQ (15.195) and TAP (9.465). The list of these has recently been withdrawn from service due to interference with its programs caused by German station DJB (15.20), operating on almost the same frequency. TAP (9.465) relays Turkey's 120,000-watt long-wave station TAR week-days from 5:30 to 7 a.m. EST, Saturdays from 5:30 to 8:30 a.m. EST, Sundays from 5:30 to 7:30 a.m. EST, and daily from 11 a.m. to 4:30 p.m. EST. TAP (9.465), at the low-frequency side of the 31-meter band, slightly higher in frequency than Cuban station COCH (9.44), can only be located with delicate tuning since it is very close to a powerful code station which often partially covers its channel. TAP's aerial is omnidirectional, that is, it radiates equally in all directions without being beamed at any particular part of the world.

THE NEWS IN GENERAL. Sunday nights from 11 p.m. to 12 midnight EST, the following stations operate in a network: XE00 (9.63), XE8T (6.00), XEWW (9.50), XEXA (16.175), XEDZ (6.117), all in Mexico, and TGWA (9.685) and TGWB (6.41) in Guatemala. . . . The Cubans are moving again. COCQ is an approximately 9,192, and COCQ on 6.395 meps. At present, PZH (6.79), a good DX catch, at Paramaribo, Dutch Guiana, is on the air Tuesdays and Fridays from 5:40 to 8:40 p.m. EST, and on Sundays from 8:40 to 10:40 a.m. EST. . . . EAJ43 (7.49), operated by the Radio Club Tenerife at Santa Cruz de Tenerife, Canary Islands, and a main station of General Franco during the recent Spanish revolution, is still broadcasting nightly from 7 to 8 p.m. EST. . . . August Balbi at Los Angeles, California, writes that in addition to the regular overseas broadcasts from Tokyo, fully described in last week's Radio Guide, JYH (14.60) is being heard regularly from 10 to 11 p.m. EST; JLT3 (15.325), nightly from 9 to 10:30 p.m. EST, and JWW3 (11.73), daily from 1:15 to 2:20 a.m. EST. . . . Norman Kriebel of Ambler, Pennsylvania, recently received a communication to the effect that CR6RC (11.74), a 50-watt station operated by the Radio Clube de Angola, Caixa Postal 229, at Luanda, Angola, Portuguese Africa, is now

"Radio Ankara," due east of New York City, is best received in the central and eastern states from approximately 3:00 to 4:30 p.m. EST, during which period it gradually builds up to peak strength just before sign-off. No special identification signal is employed by the station but a constant tone note is used as an interval signal. Both men and women announcers are on the station's staff and announcements are made in Turkish, French, German and English. A program of dance music, including many American selections, is broadcast daily from 3:30 p.m. EST to close-down. On Saturdays at 3:00 p.m. EST, an interesting English talk on Turkey and the Turkish peoples is broadcast. This is followed at 3:15 p.m. EST by the English Mail Bag program during which letters from English listeners in all parts of the world are read.

Transmissions from "Radio Ankara" are still experimental in nature and reception reports are therefore eagerly welcomed. These should include an international reply coupon to insure return postage for a reply and should be addressed to the Correspondence Department, Radio Ankara, Ankara, Turkey.

on the air daily from 6:30 to 7:45 a.m. EST; Tuesdays, Wednesdays and Saturdays from 3:30 to 5 p.m. EST, and on Sundays from 9:30 a.m. to 1 p.m. EST. . . . I suggest you listen to: The lovely chimes concert broadcast each Sunday morning at 9 a.m. EST over Boston stations WRUW (15.13) and WRUL (11.79); the Asiatic Mail Bag program consisting of intensely interesting letters from listeners throughout the Orient and the South Seas broadcast Saturdays at 8:45 a.m. EST over San Francisco station KGEI (9.53). . . . The several short-wave stations in Manila, Philippines, have finally been straightened out as follows: KZ1B (9.492 and 6.04), P. O. Box 440, Manila, power 1,000 watts, operates daily from 6:30 to 10 a.m. EST; KZRF, formerly KZEG (6.14), "Radio Philippine," Manila, operates daily in parallel with KZRM (9.57), daily from 5 to 9 a.m. EST, or later; KZRM (9.635 and 6.1), "The Voice of the Philippines," Manila, operates daily from 6 to 11:30 a.m. EST. . . . A new government station planned for Rangoon, Burma, has been assigned the following frequencies: 6,000, 6,047 and 9.59 meps. . . . Bob Hetzel of Milwaukee, Wisconsin, writes that a letter from E. M. Healy, manager of station XHMA (11.86), Shanghai, China, states that broadcasts are being made daily from 5 to 11 a.m. EST.

and orchestral music, news and travel talks in English: NEEF (7.38) XEWW (9.50)

7 p.m.—Buenos Aires—Gala dance program: LBN (9.66)

7:15 p.m.—Guatemala—Head news: TGWA (9.685)

7:15 p.m.—Budapest—Gypsy band: HAT4 (9.125)

7:45 p.m.—Buenos Aires—2801 (9.63) 2814

8:30 p.m.—Buenos Aires—Interviews in English with celebrities visiting Buenos Aires: 2803 (9.63)

8:30 p.m.—Tokyo—English talk about current Japanese activities: J21 (11.9)

10 a.m.—Hawaii—Native songs and news from Honolulu: KHI (14.97)

Monday, December 4

12:45 p.m. (Mon., Thurs., Fri.)	New York City	Letters from everywhere	WJAB (9.59)
7:15 p.m.	London	Talk, "Backyard in the News"	G5C (9.58)

Important Stations

STATION	Frequency	Power	Time
CSWT	Portugal	9.130	PP3 Iceland 9.58 15.70
DJR	Germany	12.20	PHI Iceland 15.70
DJB	"	11.77	RAN U.S.S.R. 9.60
DJL	"	15.11	RNI " 15.9
DJN	"	9.54	RV96 " 9.60 15.17
DXB	"	9.61	RHP Sweden 11.200
EAG	Spain	9.80	RHT " 15.151
EIRE	Ireland	17.80	TGWA Guatemala 9.685 15.17
GRX	England	9.49	TOE Guatemala 9.193
GSA	"	6.05	YLR " 9.57
G8B	"	9.51	WJAR Philadelphia
G8C	"	9.59	Pa 9.66 9.60 11.33
G5D	"	11.75	WDCX New York City
GRZ	"	11.80	11.07 15.87 11.92
GSP	"	9.54	" 9.51 9.56
GDD	"	17.79	WOYA Rochester
G8H	"	11.47	N.Y. 11.55 15.37 9.55
G8I	"	16.96	WJEO Rochester
G8J	"	17.58	N.Y. " 9.53
G8K	"	15.34	WJWO Rochester
G8L	"	15.33	Q14 " 9.04
G8V	"	17.81	WNBL New York City
KATA	Hungary	9.125	" 11.14
HRL	Switzerland	9.24	WFIE Pittsburgh Pa
HBO	"	11.40	11.54 15.21
HPA	Panama	11.78	11.87 9.14
HPG	"	11.71	WRCA New York City
HYJ	Vancouver	15.12	9.47 9.10
J21	Tokyo	9.53	WRUL Boston Mass
J22	"	11.60	" 11.79 9.61
J23	"	15.14	WRUW Boston Mass
KGEI	San Francisco	9.53	" 11.73 15.17
KHI	Hawaii	14.97	XEWX Mexico 9.50
KQ1	Hawaii	14.92	XOOC China 15.90
LAX	Argentina	9.48	XGOY " 11.90
MTCY	Moscow	9.60	XPSA " 7.01
		11.73	YUF Yugoslavia 11.74
OLBA	Belgium	11.54	YUG " 10.89
OZT	Denmark	9.63	YYSN Venezuela 9.04
QZK	"	15.29	ZR03 Italy 9.61
PARIS MONDIAL	France	9.68	ZR04 " 11.81
		15.83	ZR04 " 15.30
		15.83	ZR05 " 9.67

8 p.m.—Rio de Janeiro	—Brazilian program for North America, with music, made travel talks and news: PH1 (9.22)
8:30 p.m.—London	—Letter to English listeners in all parts of the world: 2803 (9.63)
8:45 p.m.—Guatemala	—Program for listeners in North America: 1011 (9.34)

Tuesday, December 5

6:15 a.m.	French	Radio Club—Headline of 11:00h letters from all parts of the world	Budapest (9.125) and 9.125
4 p.m. (Tues., Thurs., Sat.)	London	English variety program from London	CSW7 (9.74)
5:45 p.m.	London	Talk, "In England Now"	G5C (9.58)
7:15 p.m.	London	Talk, "London in the News"	G5C (9.58)
8:15 p.m.	Budapest	Budapest Radio Orchestra	HAT4 (9.125)
8:45 p.m.	Budapest	News, talks and music in English	HAT4 (9.125)
9 p.m. (Tues., Thurs., Sat.)	Costa Rica	English programs from American Correspondence Bureau	1143011 (9.69)
9:15 p.m.	France	English about	(9.68)

Wednesday, December 6

5:45 p.m.	London	Talk, "Matters of Moment"	G5C (9.58)
7:15 p.m.	Budapest	Budapest Radio Orchestra	HAT4 (9.125)
7:45 p.m.	Berlin	Program from Berlin	DJB (11.77) DNB (9.61)
8:15 p.m.	Berlin	Program of music and news for North America	PH3 (9.55)
8:45 p.m.	Budapest	Concert and variety program for North America	HAT4 (9.125)
9 p.m. (Wed., Sat.)	Costa Rica	English talks describing interesting spots in Costa Rica	11111 (9.61)
10:15 p.m.	Guatemala	Chera, "Don Pascual"	TGWA (9.685)
11:30 p.m.	London	Talk, "Matters of Moment"	G5C (9.58) G5C (11.75)

Thursday, December 7

4 p.m.	Berlin	Interesting talks in English from all parts of the world	WJAB (9.59)
4 p.m.	Buenos Aires	Swing concert	WJAB (9.53) WJAB (15.33)
7:15 p.m.	London	Talk, "Backyard in the News"	G5C (9.58)
7:30 p.m.	Budapest	Gypsy band: HAT4 (9.125)	
9 p.m.	Berlin	Letter to English in home language	DJB (11.77) DNB (9.61)
9:45 p.m.	Guatemala	Popular Latin orchestral music	TGWA (9.685)
12:40 a.m.	Tokyo	English talk about current happenings in Japan	J21 (9.53)

Friday, December 8

4 p.m.	Buenos Aires	News and Brazilian music	LRA5 (17.63) LRA1 (9.69)
5:45 p.m.	London	Talk, "In England Now"	G5C (9.58)
7:15 p.m.	Budapest	Hungarian folk-dance concert	HAT4 (9.125)
7:45 p.m.	Buenos Aires	Guest star appearances: 2803 (9.63) 2804 (11.81)	
8:15 p.m.	Buenos Aires	Talk in English about current events in Italy	2803 (9.63) 2804 (11.81)
10 p.m.	Guatemala	Comedy, "Otra Voz al Diabolo"	TGWA (9.685)
11 p.m.	Mexico	Variety hour in English for listeners in United States	XEXA (16.175)
11 p.m.	Schierstadt	Messages and greetings to members of the Red Antarctic Expedition	WJAB (9.53)

European News in English

Daily	Morning	STATION	DIAL
4:00 a.m.	London	GSC	9.58
6:30 a.m.	London	GSC	17.79
6:45 a.m.	Berlin	DJB	15.20
8:15 a.m.	London	GSV	17.81
8:30 a.m.	Berlin	DJB	15.20
10:55 a.m.	Rome	2R06	15.30
11:00 a.m.	London	GSV	17.81

Daily	Afternoon	STATION	DIAL
1:30 p.m.	London	GSI	15.26
1:58 p.m.	Rome	2R04	11.81
1:20 p.m.	Paris	Paris	11.845
3:00 p.m.	Berlin	DJB	15.11
3:50 p.m.	London	GSD	11.75
4:15 p.m.	Rome	2R03	9.63
4:15 p.m.	Berlin	DXB	9.61
4:45 p.m.	London	GSD	11.75

Daily	Evening	STATION	DIAL
6:00 p.m.	Berlin	DJD	11.77
6:30 p.m.	London	GSD	11.75
7:00 p.m.	Moscow	RAN	9.60
7:30 p.m.	Budapest	HAT4	9.125
(ex. Sat.)			
7:30 p.m.	Rome	2R03	9.63
7:30 p.m.	London	GSD	11.75
8:03 p.m.	Paris	Paris	9.68
	Paris	Paris	11.885
8:15 p.m.	Berlin	DJD	11.77
8:25 p.m.	Madrid	EAQ	9.86
9:45 p.m.	London	GSC	9.58
10:00 p.m.	Ireland	EIRE	9.595
10:30 p.m.	Berlin	DXB	9.61
		DJC	6.02
11:00 p.m.	London	GSC	9.58
11:30 p.m.	Paris	Paris	9.68
12:00 mid.	Berlin	DXB	9.61
		DJC	6.02
12:15 a.m.	Paris	Paris	9.68
1:15 a.m.	London	GSB	9.51
3:00 a.m.	London	GSB	9.51
3:00 a.m.	Moscow	RV96	15.18

Daily Programs, Sat., Dec. 16, through Fri., Dec. 22

The programs listed here are those broadcast daily at the same time. Exceptions are indicated.

EST	City	Program	Station
6:15 a.m.	China	News (English)	NGOY (11.9)
6:30 a.m.	Saigon	News (English)	Radio Saigon (6.316 and 11.78)
7:30 a.m.	Delhi	News (English)	VTD2 (9.59)
7:30 a.m.	Mumbai	News (English)	KZRH (9.63)
7:30 a.m. (ex. Sat.)	Melbourne	War news from Australia	VLB (9.58)
8:30 a.m.	Mumbai	News (English)	KZRH (9.63)
8:30 a.m.	Tokyo	News (English)	JZJ (11.8)
8:45 a.m.	Mumbai	News (English)	KZRH (9.63)
9 a.m.	China	News and talks in English	NGOY (11.9) NPSA (7.01)
10 a.m.	Mumbai	Night Hawks, variety program for English listeners	KZRH (9.63)
10:30 a.m.	Saigon	News (English)	(11.78)
12:45 p.m.	Guatemala	Popular mariachi music for North American listeners	TGWA (15.17)
1 p.m.	St. John's	Newfoundland—News (English)	VONG (9.48)
3 p.m.	Rome	Evening concert with English announcements	2R06 (15.30) 2R04 (11.81)
3:15 p.m.	London	Talk on England during war times	GSP (15.31)
6:15 p.m.	London	Variety program from Postcard for North America	CSW7 (9.74)
6:15 p.m.	Martinique	News (English)	(9.72)
6:30 p.m.	Panama	News (English)	HP5A (11.7)
7 p.m.	Panama City	News (English)	HP5G (11.7)
7 p.m.	Moscow	News, talks and music from Soviet Russia for listeners in North America	RAN (9.6) RNI (15.04) RV96 (6.03)
7 p.m.	Belize	Program for North America from Guatemala	YUG (15.24)
7 p.m. (ex. Sat.)	Budapest	Program from Hungary for North America	HAT4 (9.125)
7:30 p.m.	Nassau	Bahamas—English news relay from London	ZS-2 (6.09)
7:30 p.m.	Rome	American Hour for listeners in North America	2R03 (9.63) 2R04 (11.81)
7:45 p.m.	Madrid	Special North American program from Spain	EAQ (9.86)
8 p.m.	Paris	Talks, plays, music and news for North America	9.68, 11.885, 11.714
8:15 p.m.	Paris	English talk on current events in France	9.68, 11.885, 11.714
9 p.m.	Berlin	English talks on current topics	DJD (11.77) DXB (9.61)
9 p.m.	Panama City	Symphonic concert with English announcements	HP5A (11.70)
9:30 p.m.	Delhi	Oriental program from India	VTD2 (9.59)
10:50 p.m.	Berlin	English talks on current topics	DXB (9.68) DJD (11.77)
3 a.m.	London	Broadcast for British troops at front lines	GSH (9.51)

Saturday, December 16

3:15 p.m.	Turkey	News (English)	TAP (9.65)
6 p.m.	Budapest	Program for North American listeners from Hungary	HAT4 (9.125)
8:15 p.m.	London	"In the Camera Tonight"	G84 (11.75) GSC (9.58)
8:30 p.m.	Hawaii	Hawaii Calls, Native music	

On Short Waves

Edited by Charles A. Morrison

President, International DXers Alliance

Programs from foreign countries subject to change without notice

HOW TO HEAR VATICAN CITY

HVJ, "Radio Vaticano," the powerful 10,000-watt world voice of His Holiness, the Pope, is located at Vatican City, a tiny independent state near Rome, Italy, the capital of the Roman Catholic faith.

HVJ is not a war or a propaganda station. Its broadcasts are in the interest of world peace, order and Christianity. The Supreme Pontiff broadcasts to his followers throughout the world and papal bulls and encyclicals are proclaimed from this station.

"Radio Vaticano" broadcasts to North America, in English, on Sundays from 1 to 1:30 p.m. EST, on a frequency of 15.12 megs, at the low-frequency end of the 19-meter band. It is just a hair above DJL (15.11), Berlin, in frequency. The station can be easily identified by the tick-tocking sound of a clock which can be heard on its frequency for about five minutes before the beginning of the broadcast. At exactly 1 p.m. EST, the beautiful bells of St. Peter's Cathedral chime forth the hour. The opening words of the program, pronounced by the English announcer, a man with an excellent voice, having a slight Oxford accent, are

"Praise to Jesus Christ (Laudetur Jesus Christus)." The program consists of the reading of world news pertaining to the Catholic faith and often includes exquisite choral selections. The broadcast concludes with the words "Laudetur Jesus Christus," and the station leaves the air abruptly at 1:30 p.m. EST.

HVJ also broadcasts regularly in Italian, Dutch, German, Spanish, French and Polish, on various frequencies including 11.74, 9.66, 6.19 and 6.03 megs, but as these transmissions are beamed on continents other than North America and are at hours unfavorable for reception here, they are seldom heard in the United States. Pacific Coast listeners report occasional reception of HVJ (15.12) Tuesdays from 10 to 10:30 a.m. EST, at which time the broadcast is directed to the Far East.

Reception reports are eagerly welcomed by Vatican authorities and should be addressed to Stazione Radio HVJ, Citta del Vaticano, Vatican City State. Those sending in correct reports will receive a beautiful souvenir QSL card depicting in sepia tint the picturesque site of the station.

FROM THE EUROPEAN ARENA: The first official communication from the German short-wave station since the beginning of the war states transmissions for North America are now being made daily from 6:30 to 9 a.m. EST over DJB (15.20) and from 4:50 to 1 a.m. EST over DXB (9.61) and DJD (11.77). The extension of the evening program to 1 a.m. EST is to give better service to listeners on the Pacific coast. English news bulletins for North American listeners are being broadcast daily at 6:45 and 8:30 a.m. EST, and at 6, 8:15, 10:30 and 12 mid. EST. The news bulletin at 9:15 a.m. EST, over DJB (15.20), presumably for European listeners, includes several items not given in the 8:30 a.m. EST bulletin for North America. DJC (6.02) is being heard daily from 8 to 10:45 a.m. EST and irregularly to 1 a.m. EST . . . The best reception of "Paris Mondial" is now afforded listeners in this country on the 12:30 to 1:30 p.m. EST transmission for North America, broadcast on a frequency of 12.845 megs. News in English is read at 1:20 p.m. EST . . . 2R03 (9.63), Rome, has been transmitting special test programs to New Zealand from 1 to 2 a.m. EST. These are well received in California . . . GSI (6.11), one of London's winter frequencies, has been heard testing recently, probably preparatory to placing this frequency in service on the evening transmissions to North America . . . You're liable to hear

broadcasts from Moscow almost anywhere on the dials. Transmissions are being made daily on 11.66 megs, at 7 a.m. EST and from 3 to 6 p.m. EST and on another new frequency of 9.69 megs, from 9 to 11 a.m. EST and from 9 to 10 p.m. EST. August Balbi of Los Angeles, Calif., reports that RNE (12.00), Moscow's main frequency, is now being heard daily from 9 to 11 a.m. EST, from 7 to 8:45 p.m. EST and from 9 p.m. to 3 a.m. EST.

MAKE A NOTE OF THESE: The evening concert from Rome, Italy, including outstanding classical and operatic selections, with all announcements in English, daily from 3 p.m. to 5:30 p.m. EST, over 2R06 (15.30); a delightful program from not-so-happy Holland, enlivened by the ready wit of multi-lingual announcer Eddie Startz, Wednesdays from 8:40 to 10 a.m. EST, over PCJ (15.22); Hawaiian steel guitars, soft native chanting, the beat of the surf on the beach at Waikiki, direct from Honolulu, Saturdays and Sundays from 8:30 to 9 p.m. EST, over KQH (14.92) at Kahuku, Hawaii.

THE ORIENT CALLS SHORT-WAVE LISTENERS: VUD2 (9.59), Delhi, India, can now be heard from 9:30 to 11 p.m. EST. Reception is best on Sunday, Tuesday and Friday nights, when WCAB, Philadelphia, is off the channel. News in English is read at 10:20 p.m. EST.

9:15 p.m.	Paris	Hector Berger's all-star Parisian Revue for North American listeners	(11.885, 9.68, 11.714)
10 p.m.	Guatemala	Symphonic orchestra	TGWA (9.685)
1 a.m.	Nicaragua	DX program dedicated to the International DXers Alliance	YN3DG (13.9)
1 a.m.	Guatemala	Special concert dedicated to North American DX listeners	YG2 (6.195)
1 a.m.	Mexico	and greetings to listeners in North Arctic region	WPIT (6.14)

Sunday, December 17

11:10 a.m.	Berlin	Symphonic concert	DJB (15.2)
1 p.m.	Vatican City	English talks and announcements	HVJ (15.12)

6 p.m.	Mexico City	Music, songs and travel talks in English	NECR (7.38)
7 p.m.	Buenos Aires	Gala dance program	LJN (9.66)
7:15 p.m.	Guatemala	Outdoor band concert in Central Park, Guatemala City	TGWA (9.685)
7:40 p.m.	Budapest	Hungarian dance music	HAT4 (9.125)
7:45 p.m.	Rome	Opera, "Fiera di Sorokini," Montenegro, from Royal Opera House in Rome	2R03 (9.63) 2R04 (11.81)
8:30 p.m.	Rome	Interviews in English with celebrities visiting Rome	2R03 (9.63)
8:30 p.m.	Honolulu	Voice of Hawaii, Native songs and dances of Hawaii	KQH (14.92)
8:45 p.m.	Berlin	English talk	DJD (11.77)
9 p.m.	Budapest	Special test program for North America	HAD (7.22)
11 p.m.	National Hour of Mexico	XEQQ (9.68) XEWX (9.5) XEXA (6.175) XEUIZ (6.117) XETW (6.045) XEPT (6.00) TGWA (9.685)	

Important Stations

(Megacycles or thousands of kilocycles shown)

CSWT, Portugal	9.795	PCJ, Holland	9.69, 15.22
DJB, Germany	15.20	PHL	17.78
DJF, "	11.77	RAN, U.S.S.R.	9.60
DJL, "	15.11	RNE, "	12.00
DJN, "	9.54	RVSQ, "	8.03, 15.18
DKB, "	9.71, 9.61	SFP, Sweden	11.705
EAQ, Spain	9.86	SRT, "	15.194
EIRE, Ireland	17.94	TGWA, Guatemala	9.685, 15.17
GRX, England	9.29	TOS, Guatemala	6.195
GSA, "	6.05	VLB, "	9.68
GSH, "	9.51	WCAB, Philadelphia	9.68
GSC, "	9.53	Pa. 6.06, 9.59, 21.82	
GSD, "	11.75	WCBX, New York City	21.37, 15.27, 11.83
GSE, "	11.89	"	9.65, 6.02
GSP, "	15.14		
GSO, "	17.78	WGEA, Schenectady	
GSH, "	21.47	N.Y. 21.50, 15.32, 9.58	
GSI, "	15.99	WGED, Schenectady	
GSI, "	21.58	N.Y.	9.58
GSO, "	15.15	WLWO, Cincinnati	6.08
GSP, "	15.21	Ohio	
GSV, "	17.81	WRBI, New York City	
HAT4, Hungary	9.125		17.78
HNL, Switzerland	9.94	WPIT, Pittsburgh, Pa.	
HBO, "	11.402	21.54, 15.21, 11.87, 6.14	
HP5A, Panama	11.70	WRCA, New York City	
HP50, "	11.70		9.07, 6.10
HVJ, Vatican City	15.12	WRUL, Boston, Mass.	11.79, 9.04
JZJ, Japan	9.530		
JZJ, "	11.50	WRUW, Boston, Mass.	11.71, 15.13
JZK, "	15.16		
KQEI, San Francisco, Calif.	9.53, 15.20	NECR, Mexico	7.38
KQH, Hawaii	14.92	NZWV, "	9.60
KZRH, Philippines	9.635	XGOX, China	15.20
LXX, Argentina	9.66	XGOY, "	11.90
MTX, Manchukuo	11.775	XPA, "	7.01
		VUE, Yugoslavia	11.74
		VUO, "	15.84
OZF, Denmark	9.10	VYRN, Venezuela	8.04
OZL, "	15.30	2R03, Italy	9.63
PARIS MONDIAL, France	9.68, 11.885, 11.840	2R04, "	11.81
		2R06, "	15.30
		2R09, "	9.67

Monday, December 18

For programs broadcast daily see Daily Programs (Col. 1)

7:15 p.m.	Budapest	Gypsy band	HAT4 (9.125)
8 p.m.	Rio de Janeiro	Beachside program for North America, with typical music, travel talks and news	PSH (10.22)
8:30 p.m.	Rome	Letters from listeners in all parts of the world	2R03 (9.63)
8:45 p.m.	Schneestady	Program for listeners in North America	HBI (9.345)
8:45 p.m.	Berlin	English talks on current war topics	DJD (11.77) DXB (9.61)

Tuesday, December 19

For programs broadcast daily see Daily Programs (Col. 1)

4 p.m. (Tue., Thurs., Sat.)	English variety program from London	CSW7 (9.74)	
5:45 p.m.	London	Talk, "In England Now"	GSI (11.75) GSC (9.58)
7 p.m.	Budapest	Budapest Chamber Choir	HAT4 (9.125)
7:45 p.m.	Rome	LAID symphony orchestra	2R04 (11.81) 2R03 (9.63)
8:45 p.m.	Holland	Music, English talks and humor for American listeners	PCJ (9.59)
9 p.m. (Tues., Thurs., Sat.)	Costa Rica	Informal English program from Amanda Cardenas-Marin's parlor	134N3H (9.09)
10:10 p.m.	Holland	English letter bag	PCJ (9.59)

Wednesday, December 20

For programs broadcast daily see Daily Programs (Col. 1)

4 p.m.	Rome	The Listener's Corner	2R06 (15.3)
7:15 p.m.	Budapest	Hungarian folk-lore melodies and songs	HAT4 (9.125)
8:30 p.m.	Rome	Tourist notes in English	2R03 (9.63) 2R04 (11.81)
8:45 p.m.	Switzerland	Concert and variety program for North America	HBL (9.345)
9 p.m. (Wed., Sat.)	Costa Rica	English (its) describing interesting sports in Costa Rica	TTPG (9.61)
10:15 p.m.	Guatemala	Overseas	TGWA (9.685)

Thursday, December 21

For programs broadcast daily see Daily Programs (Col. 1)

8 p.m.	Budapest	Communications of the World Association of Hungarians	HAT4 (9.125)
8 p.m.	Rome	Band concert	2R03 (9.63) 2R04 (11.81)
8:15 p.m.	Paris	English listener's letter box	Paris Mondial (9.68, 11.885, 11.714)
8:45 p.m.	Berlin	English talks on current topics	DXB (9.61) DJD (11.77)
9:45 p.m.	Guatemala	Popular Latin American music	TGWA (9.685)

Friday, December 22

For programs broadcast daily see Daily Programs (Col. 1)

4 p.m.	Buenos Aires	News and Brazilian music	LRA5 (17.83) LRA1 (9.69)
4:30 p.m.	Kingston, Jamaica	Talks on current topics	VPSZ (4.80)
7:40 p.m.	Budapest	Gypsy band	HAT4 (9.125)
7:45 p.m.	Rome	Guest Star Appearances	2R03 (9.63) 2R04 (11.81)
8 p.m.	London	Feature program, "The Shadow of the Swastika"	GSD (11.75) GSC (9.58)
8 p.m.	Holland	International Happy Program for American listeners	HJ (9.59)
8:30 p.m.	Rome	Talk in English about current events in Italy	2R03 (9.63) 2R04 (11.81)
10 p.m.	Guatemala	Radio Theater	TGWA (9.685)
11 p.m.	Schenectady	Messages and greetings to members of Byrd Antarctic Expedition en route to Little America	WGED (9.53)
11:30 p.m.	London	"World Affairs," Wickham Street	GSC (9.58) GSD (11.75)