

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CEC, Chile	10.67	JVH, Japan	14.6
CJRO, Canada	6.15	JVN, Japan	10.68
CJRX, "	11.72	JZI, "	9.535
COD, Cuba	6.13	JZJ, "	11.80
COCO, "	6.01	JZK, "	15.16
COCQ, "	9.75	KIO, Hawaii	11.68
CSW, Portugal	9.94	KKH, "	7.52
DJB, Germany	15.20	KKP, "	16.03
DJC, "	6.02	LRU, Argentina	15.29
DJD, "	11.77	LXK, "	9.66
DJL, "	15.11	LSX, "	10.35
EAQ, Spain	9.87	OLR3A, Czechoslovakia	9.55
EAQ-2, "	9.49	OLR4A, "	11.84
EAQAH, Spanish Morocco	14.045	OLR4A, "	10.33
FO8AA, Tahiti	7.11	ORF, Belgium	15.22
GSA, England	6.05	PHI, "	17.775
GSB, "	9.51	PRADO, Ecuador	6.62
GSC, "	9.58	PRF5, Brazil	9.50
GSD, "	11.75	RAN, Russia	9.60
GSE, "	15.14	RNE, "	12.00
GSG, "	17.79	RV15, "	4.273
GSH, "	21.47	RV59, "	6.00
GSI, "	15.26	SPW, Poland	13.64
GSL, "	6.11	TFJ, Iceland	12.23
GSO, "	15.18	TIPG, Costa Rica	6.41
GSP, "	15.31	TIANRH, "	9.698
HAS3, Hungary	15.37	TPA2, France	15.24
HAT4, "	9.12	TPA3, "	11.88
HBJ, Switzerland	14.535	TPA4, "	11.71
HBL, "	9.60	2R03, Italy	9.635
HBO, "	11.402	2R04, "	11.81
HBP, "	7.80	VE5DN, Canada	6.005
HCSW, Ecuador	8.20	VK3ME, Australia	9.59
HCSL, "	6.66	VK3LR, "	9.58
HHS, Haiti	9.525	VK3ME, "	9.51
HIN, Dominican Republic	6.243	WIXAL, Boston, Mass.	9.54
HJABE, Colombia	9.5		15.25, 11.79 and 6.04
HJABP, "	9.618	XEGR, Mexico	7.38
HJU, "	9.51	XEFT, "	6.12
HJL, Panama	9.50	YV5RC, Venezuela	5.80
HRN, Honduras	5.87	ZBW3, China	9.525
HSPJ, Siam	9.35, 19.02	ZBW4, "	18.19
HVJ, Vatican City	15.12		

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

News Broadcasts

Daily—1:25 a.m., GSB, GSO, GSG; 2:40, TPA3; 5, TPA2; 7:30, GSF, GSG, GSH; 8:40, JZI, JZJ; 10:10, GSF, GSG, GSH; 12 noon, GSI, GSB, GSD; 1:10 p.m., TPA3; 2, OLR3A; 3, GSB, GSD, GSG; 5:30, EAQ-2; 5:40, HP51; 6, RAN; 6:15, CSW; 6:30, EAQ-2; 7:10, GSB, GSD, GSF; 7:15, DJB, DJD; 9:30, DJB, DJD, TPA4; 9:40, GSC, GSD, GSG, OLR4A; 9:45, CJRO, CJRX; 11:40, JZJ.

Daily except Sundays—5 a.m., VK3ME; 6:30, VK3LR; 8, 2R04; 12:20 p.m., 2R04; 5, 2R03. Sun., Mon., Wed., Fri.—2 p.m., RNE. Sun., Tues., Wed., Fri., Sat.—7:30 a.m., ZBW3.

Sunday, April 25

*2 a.m.—English programs from Siberia: RV15
*4:30 a.m.—Fiji hour: VPD2
*6:40 a.m.—International Church: COCQ
*6:55 a.m.—Czechoslovakian program: OLR4A
*7 a.m.—Variety program: DJL
*7:30 a.m.—Catholic services: YV5RC
*8 a.m.—Overseas hour for Australia: JZJ JZI
*8:30 a.m.—Reginald Foort, organist: GSF GSG
*9:30 a.m.—Vatican City topics: HVJ
*10:30 a.m.—Eastbourne Municipal orch.: GSG GSH GSF
*11:30 a.m.—Program from Belgium: ORK
*11:45 a.m.—"The Crown as a Link of Empire," Sir Frederick Whyte: GSB GSD GSI
12:30 p.m.—Peter Dawson, baritone: GSB GSD
12:55 p.m.—Methodist services: GSB GSD GSI
*1:30 p.m.—Czechoslovakian variety: OLR3A
1:45 p.m.—New Zealand folk music: GSD GSI
2:30 p.m.—Devotional period: WIXAL (11.79)
3 p.m.—The story of Budenny, Marshal of the Red Army: RNE
3:15 p.m.—"Current Drama and Cinema": 3:30 p.m.—Chats with people: WIXAL (11.79)
4 p.m.—"World's Week," Volney Hurd; 4:15 p.m.—"China's Forgotten Millions": WIXAL (11.79)
4:30 p.m.—Madrigal Singers: WIXAL (11.79)
5 p.m.—Dance music: LRX
5:15 p.m.—Our Sunday concert: DJB DJD
*6 p.m.—Broadcast from Moscow: RAN
*6:15 p.m.—Sound pictures: DJB DJD
6:30 p.m.—Two Hours with Cuba: COCO
7:30 p.m.—League of German Girls: DJB DJD
8:15 p.m.—Popular orch. concert: DJB DJD
*8:30 p.m.—Dance music: LRX
8:50 p.m.—Henry Bronkhurst's trio: GSC GSD
9 p.m.—Music appreciation hour: HRN
*11 p.m.—Overseas hour (West coast): JZJ

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

Monday, April 26

87 a.m.—Siamese broadcast: HSPJ (19.02)
87 a.m.—Oriental variety: ZBW3
8:45 a.m.—Revue, "All in Pink": GSF GSG GSH
*11:30 a.m.—Polish hour: SPW
12:20 p.m.—English letter box: 2R03
12:45 p.m.—Adventures of Mr. Penny: GSD GSI
1:20 p.m.—Henman and Plumtre revue: GSB GSD GSI
*2:55 p.m.—Science News: WIXAL (11.79)
3:15 p.m.—Light opera excerpts: GSB GSD GSG
4 p.m.—Monitor news: WIXAL (11.79)
4:15 p.m.—Low Stone's orchestra: GSB GSD GSG
*4:45 p.m. (ex. Sat.)—Jorge Leal, Spanish commentator: W2XE (15.27)

SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

SHORT-WAVE reception has shown a considerable improvement over last week's report. European stations are putting consistently strong signals into North America in the evenings. Of the morning broadcasters, GSG (17.79), Daventry, has been by far the best of late. On Wednesday evening, April 7, GSG was heard testing around 8 p.m. EST (7 p.m. CST), probably in anticipation of using this frequency regularly on transmission five.

On Sunday evening, April 11, Latin stations on the 31-meter band were coming in with mid-winter strength. Especially noteworthy were HJ4ABH (9.52), Armenia, Colombia, and OAX4J (9.33), Lima, Peru. HJ4ABH comes on the air in the morning at 8 a.m. EST (7 a.m. CST) with a blare of trumpets, a march recording and announcements in Spanish and English.

EAQ-2 (9.488), Madrid, Spain, continues to hold the spotlight of public attention and dozens of reports from all over North America testify to its tremendous signal strength and interesting English programs.

VK6ME (9.59), recently inaugurated in Perth, West Australia, and now operating with increased power daily except Sunday from 6 to 8 a.m. EST (5 to 7 a.m. CST), is as good as, if not better than, the other Australian short-wavers. The station signs off with the familiar "God Save the King."

According to August Balbi, Los Angeles, Calif., KKP (16.03), Kahuku, Hawaii, is feeding the MBS network with programs originating in Honolulu on Saturdays at 9:30 p.m. EST (8:30 p.m. CST).

L. E. CAVILEER, Haddon Heights, N. J., reports that EAJ43 (10.37), Tenerife, Canary Islands, broadcasts an English news period beamed on the United States nightly at 7:25 to 7:40 p.m. EST (6:25 to 6:40 p.m. MST). The newscast is introduced by the recording "Lady of Spain" . . . ZBW, Hong Kong, has been conducting tests on its former frequency of 15.19 megacycles . . . YDC (15.15), PMN (10.26) and PLP (11), all of Java, can be heard broadcasting American recordings on Wednesdays and Fridays from 6 to 7:30 p.m. EST (5 to 6:30 p.m. CST).

H13X (15.27), of Trujillo City, D. R., is transmitting on Sundays from 7:30 to 9:30 p.m. EST (6:30 to 8:30 p.m. CST), and H12X (11.97) is operating on Tuesdays and Fridays from 8 to 10 p.m. EST (7 to 9 p.m. CST).

During the 12-year period, from 1924 through 1936, the NBC network carried a total of 2,140 international broadcasts. From 1924 through 1929, there were only seventeen short-wave pick-ups, while in 1936 alone there were 678. More than 31 countries have exchanged programs with NBC . . . Field tests of RCA experimental television with the new 441-line definition were resumed on April 6 on the largest scale ever undertaken in this country.

5:15 p.m.—American travelogue: W2XAF (9.53)
5:30 p.m.—Modern radio course: WIXAL (6.04)
6 p.m.—"Traveling in Java, Bali and Sumatra," Countess Barbara: 2R03
6:30 p.m.—New radio voices: DJB DJD
87 p.m.—Czechoslovakian variety: OLR4A
7:30 p.m.—Little German reader: DJB DJD
7:45 p.m.—Amateur hour: YV5RC
8 p.m.—BBC dance orch.: GSC GSD GSG
*8:30 p.m.—Sea Melody orch.: YV5RC
9 p.m.—DX tuning news: HJABE

Mrs. R. S. Roche, Aliwal North, South Africa, writes that on March 1, a powerful new short-wave station, announcing merely as "Radio Pretoria," began operating on a frequency of 5 megs. Tests were being conducted daily from 8 to 9 a.m. and from 12:15 to 2:15 p.m. EST (7 to 8 a.m. and from 11:15 a.m. to 1:15 p.m. CST), time of going to press.

In answer to several requests, the present schedule of Pontoise, France, adopted on March 4, is: Daily over TPA3 3 to 4 a.m. and 10:15 a.m. to 5 p.m. EST (2 to 3 a.m. and 9:15 a.m. to 4 p.m. CST); over TPA2 (15.243) from 5 to 10:05 a.m. EST (4 to 9:05 a.m. CST), and over TPA4 (11.714) from 6:15 to 7:15 p.m. and from 9 to 12 mid. EST (5:15 to 6:15 p.m. and from 8 to 11 p.m. CST).

Clyde Criswell, Mission Ranch, Ariz., reports that PRF5 (9.5), Rio de Janeiro, has been relaying evening concerts from the Municipal Theater in that city and requesting reports.

R. B. Oxrieder, State College, Penn., notes that the new broadcaster Radio CUROM, of Curacao, Dutch West Indies, is now heard on 5.947 megs.

SWISS Station HB9BG (7.3) is broadcasting on Fridays from 4 to 5 p.m. EST (3 to 4 p.m. CST). Programs consist of recorded music and announcements in English, German, French and Italian . . . The Dutch aerodrome at Schiphol, Holland, has installed short-wave equipment with which two-way communication may be maintained with planes as far away as Cairo, Egypt . . . According to a letter from a listener in Singapore, short-wave station ZHI there definitely closed down on December 31 and since that date has been superseded by ZHL, a broadcast-band station on 1330 kilocycles. Assuming this information is correct, I am now more mystified than ever as to what station announcing as Singapore several of our readers have been reporting on about 6.018 megs.

The Broadcasting Corporation of Japan is now issuing detailed report forms to certain reliable short-wave listeners for the purpose of observing reception of the Japanese broadcasts.

The traveling representative of the International Dx-ers Alliance, Prof. Willis K. Jones, of Oxford University, writing from Cochabamba, Bolivia, states that Compania Vitalicio, an insurance company in Santiago, Chile, in July will inaugurate a powerful short-wave station . . . A new station CP12 (6.16), "Radio Tunari de Cochabamba, Bolivia," operates daily from 12:30 to 1 p.m. and from 9 to 11 p.m. EST (11:30 a.m. to 12 noon and from 8 to 10 p.m. CST). By the end of April, this station will have installed a new 1,500-watt transmitter.

Talks by American journalists over EAQ-2 (9.488), Madrid, Spain, may be heard on Mondays around 7 p.m. EST (6 p.m. CST) and on Tuesdays and Fridays close to 8 p.m. EST (7 p.m. CST).

9:10 p.m.—Visit motorcycle factory: GSC GSD
12:15 a.m.—Hawaii Calls: KKH

Tuesday, April 27

6:45 a.m.—"Crowning the King," talk by Windsor Castle librarian: GSF GSG GSH
8:15 a.m.—World affairs talk: GSF GSG GSH
11:35 a.m.—Bernard Crook quintet: GSD GSI
12:50 p.m.—BBC orchestra: GSB GSD GSI
3:20 p.m.—Alfredo Campoli's orchestra: GSB GSG

4 p.m.—Billy Cotton orchestra: GSB GSD GSF
4:15 p.m.—Uhlund's 150th birthday: DJB DJD
5 p.m.—Compositions by Franz Schubert: DJB
5:30 p.m.—Clifford Roberts, organist: GSB GSD
5:45 p.m.—Camera workshop: WIXAL (6.04)
6 p.m.—Footprints on the sands of time: WIXAL (6.04)
6:30 p.m.—Stuttgart, as it was and is: DJB DJD
6:40 p.m.—North-Country songs: GSB GSD GSG
6:45 p.m.—Madrid-American program: EAQ-2
7 p.m.—"Government Regulation of Industry," Prof. Mason: WIXAL (6.04)
7:30 p.m.—H. Y. program: DJB DJD
7:45 p.m.—Gay folk music: DJB DJD
8:15 p.m.—Li Stadelmann, cymbalo: DJB DJD
8:45 p.m.—Folk music: DJB DJD
9:20 p.m.—Anona Winn's Winners: GSC GSD
10 p.m.—Program from Tahiti: FO8AA

Wednesday, April 28

5 a.m.—CONFERRING THE FREEDOM OF THE CITY OF EDINBURGH ON THE DUCHESS OF GLOUCESTER: GSF GSG GSH
7:30 a.m.—Concert: TPA2
9:50 a.m.—BBC dance orchestra: GSF GSG GSH
10 a.m.—Prelude to Cricket: GSF GSG GSH
11:20 a.m.—Falkman's apache band: GSB GSD
11:40 a.m.—From the London Theater: GSB GSD
12:30 p.m.—Student songs: GSB GSD GSI
1 p.m.—BBC orchestra: GSB GSD GSI
3 p.m.—Yakutia in 1917—Soviet Yakutia in 1937: RNE
3:40 p.m.—BBC dance orchestra: GSB GSD GSG
4 p.m.—Monitor news: WIXAL (11.79)
4 p.m.—Light music: DJB DJD
5 p.m.—Songs and dances: DJB DJD
5:30 p.m.—Opera from Royal Opera House: 2R03
6 p.m.—Biographies of famous Latin-American Writers: WIXAL (6.1)
7:30 p.m.—Press review: DJB DJD
7:45 p.m.—Tilla Briehm, songs: DJB DJD
8 p.m.—National Tourist program: TIPG
8:15 p.m.—SOLAR ECLIPSE EXPEDITION: KIO KKP
8:20 p.m.—Herbert Fryer, pianist: GSC GSD GSG
8:30 p.m.—OPERA, "THE TWO MISERS," Gretty: DJB DJD

Thursday, April 29

7:30 a.m.—Chamber music: TPA2
8:15 a.m.—H. M. Royal Marines band: GSF GSG
9:45 a.m.—Irene Kohler, pianist: GSF GSG GSH
12:40 p.m.—Spencer Dyke quartet: GSB GSD
1:40 p.m.—Scots variety program: GSB GSD GSI
4 p.m.—Monitor news: WIXAL (11.79)
4:15 p.m.—Harry Roy's band: GSB GSD GSG
4:30 p.m.—Karl Heinrich Waggener, poet: DJB
5 p.m.—Beate Roos-Reuter, soprano: DJB DJD
5:15 p.m.—How is a popular tune born?: DJB
6:15 p.m.—BOSTON CIVIC SYMPHONY ORCHESTRA: WIXAL (11.79)
7:30 p.m.—Juan Alvarado, singer: YV5RC
7:45 p.m.—German Reconstruction: DJB DJD
8:15 p.m.—Betty Boop: YV5RC
9 p.m.—Canadian hour: HHZS
9:10 p.m.—Tommy Matthews' concert orchestra: GSC GSD GSG

Friday, April 30

9 a.m.—Nonsense verse: GSF GSG GSH
11:25 a.m.—BBC Military band: GSB GSD GSI
1 p.m.—Songs from the Films: GSB GSD GSI
2:20 p.m.—"RESPONSIBILITIES OF EMPIRE," Winston Churchill: GSB GSD GSI
3 p.m.—History of May Day: RNE
4 p.m.—Herman Darewski's band: GSB GSD GSG
4:30 p.m.—Press review: DJB DJD
5 p.m.—Brass band: DJB DJD
5:30 p.m.—Request program: 2R03
5:45 p.m.—Little theater: WIXAL (6.04)
6 p.m.—Rome's Midnight Voice: 2R03
6:15 p.m.—Sails and Sailors: WIXAL (6.04)
6:30 p.m.—League of South American Women: WIXAL (6.1)
6:40 p.m.—Billy Bissett's orchestra: GSB GSD
6:45 p.m.—Introduction to astronomy: WIXAL (6.04)
7 p.m.—World of poetry: WIXAL (6.04)
7:30 p.m.—Hollywood Intimacies: YV5RC
7:45 p.m.—Interview of the month: DJB DJD
8:55 p.m.—Music of the Western Isles: GSC GSD
10 p.m.—Program from Tahiti: FO8AA
11 p.m.—DX Club: W8XK (6.14)

Saturday, May 1

10:30 a.m.—BROOKLANDS OUTO RACES: GSF GSG GSH
11 a.m.—Chapel organ: W2XAF (9.53), W2XAD (15.33)
12:30 p.m.—BBC presents the A.B.C.: GSB GSD
1 p.m.—Introducing famous radio stars: GSB GSD GSI
1:45 p.m.—European post box: WIXAL (11.79)
2:45 p.m.—Royal Academy Banquet: GSB GSD
3 p.m.—MAY DAY CELEBRATION: RNE
3 p.m.—World youth speaks: WIXAL (11.79)
4:05 p.m.—Jack Jackson's band: GSB GSD GSG
4:30 p.m.—League of Nations: HBL HBP
5 p.m.—Program from Budapest: HAT4
5:20 p.m.—London Log: GSB GSD GSG
5:30 p.m.—"Saturday Pops"; orchestra and soloists: GSB GSD GSG
5:45 p.m.—Studio party: HBO HBJ
6 p.m.—Conchita Ascanio, songs: YV5RC
6:15 p.m.—Cuban music: YV5RC
6:30 p.m.—Football Association Cup Final: GSB GSD GSG
6:45 p.m.—Theater of the air: YV5RC
7 p.m.—Waltz hour: YV5RC
8:30 p.m.—Program from Hawaii: KKP
9 p.m.—English hour: HJ1ABP HJ4ABB
10 p.m.—Northern Messenger; messages to those in the Arctic: VE5DN CRXC (6.09)

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CJRX, "	11.72	JVN, Japan 10.68
COCU, Cuba	6.13	JZJ, " 9.535
COCO, "	6.01	JZJ, " 11.30
COCQ, "	9.75	JZK, " 15.16
CSW, Portugal	9.94	KIO, Hawaii 11.68
DJB, Germany	15.20	KKH, " 7.52
DJO, "	6.02	KKP, " 16.03
DJD, "	11.77	LBU, Argentina 15.29
DJL, "	15.11	LXX, " 9.66
EAQ, Spain	9.87	LSX, " 10.35
EAQ-2, "	9.49	OLR3A, Czechoslovakia, 9.55
EA9AH, Spanish Morocco	14.045	OLR4A, " 11.84
FOSAA, Tahiti	7.11	ORK, Belgium 10.33
GSA, England	6.05	PCI, Holland 9.59, 15.22
GSH, "	9.51	PHL, " 17.75
GSC, "	9.58	PRADO, Ecuador 6.62
GSD, "	11.76	PRF5, Brazil 9.50
GSF, "	15.14	RAN, Russia 9.60
GSQ, "	12.79	RNE, " 12.00
GSH, "	21.47	RV15, " 4.273
GSI, "	15.26	RV59, " 6.00
GSJ, "	21.53	SPW, Poland 13.64
GSL, "	6.11	TFJ, Iceland 12.23
GSO, "	15.18	TIGP, Costa Rica 6.41
GSP, "	15.31	TIANRH, " 9.698
HAS3, Hungary	15.37	TPA2, France 15.24
HAT4, "	9.12	TPA3, " 11.88
HBJ, Switzerland	14.535	TPA4, " 11.71
HBL, "	9.60	ZRO3, Italy 9.635
HBO, "	11.402	ZRO4, " 11.81
HBF, "	7.80	VE9DN, Canada 6.005
HBCSW, Ecuador	8.20	VK2ME, Australia 9.59
HGER, "	6.66	VK2LE, " 9.58
HHS8, Haiti	5.925	VX3ME, " 9.51
HIN, Dominican Republic	6.243	VPD2, Fiji 9.54
HJ1ABE, Colombia	9.5	15.25, 11.79 and 6.04
HJ1ABF, "	9.618	XEOR, Mexico 7.38
HJU, "	9.51	XEFT, " 6.12
HP5J, Panama	9.60	YV5RC, Venezuela 5.80
HRN, Honduras	5.87	ZBW3, China 9.525
HS8PJ, Siam	9.35, 19.02	ZBW4, " 15.19

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Daily except Sundays—5 a.m., VK3ME; 6:30, VK3LR; 8, ZRO4; 12:20 p.m., ZRO4; 5, ZRO3.

Sun., Mon., Wed., Fri.—3 p.m., RNE.

Sun., Tues., Wed., Fri., Sat.—7:30 a.m., ZBW3.

Mon. & Thurs.—8:30 p.m., OLR4A.

Sunday, May 16

*6:40 a.m.—International Church: COCQ

*7 a.m.—Variety program: DJL

*8 a.m.—Overseas hour for Australia: JZK JZJ

8:20 a.m.—BBC Midland orchestra: GSJ GSG

9 a.m.—Edith Penning, flute; Gerald Gover, piano: GSJ GSG GSF GSH

*9:30 a.m.—Vatican City topics: HVJ

*11:30 a.m.—Program from Belgium: ORK

11:40 a.m.—Troise and his mandoliers: GSG GSI

12:40 p.m.—Iceland hour: TFJ

1 p.m.—Roman Catholic services: GSG GSI GSD

2 p.m.—ARRIVAL OF ECLIPSE EXPEDITION AT ENDERBURY ISLAND: KKP (12.862)

2:30 p.m.—Devotional period: WIXAL (11.79)

3 p.m.—President's study: WIXAL (11.79)

3:25 p.m.—Fred Hartley's sextet: GSO GSG GSF

4 p.m.—World's Week: WIXAL (11.79)

4:30 p.m.—Wellesley College Verse Speaking choir: WIXAL (11.79)

5:15 p.m.—Whitsun concert: DJB DJD

5:30 p.m.—Kutcher string quartet: GSO GSD GSP

*6 p.m.—Broadcast from Moscow: RAN

*6:15 p.m.—Sound pictures: DJB DJD

5:30 p.m.—Two Hours with Cuba: COCO

3 p.m.—Empire artists: GSB GSG GSI GSD

*8:30 p.m.—Dance music: LXX

*11 p.m.—Overseas hour (Pacific Coast): JZJ

12:45 a.m.—In Town Tonight: GSO GSD GSB

*2 a.m.—English programs from Siberia: RV15

Key to Symbols Used: *Daily; †Week Days; ‡Monday, Wednesday, Friday; §Mon., Thurs.

Monday, May 17

*7 a.m.—Siamese broadcast: HS8PJ (19.02)

*7 a.m.—Oriental variety: ZBW3 (9.525)

3:15 a.m.—Harry Farmer, organ: GSJ GSG GSF

11:30 a.m.—Polish hour: SPW

11:40 a.m.—From the Theater: GSG GSI GSD

12:20 p.m.—English letter box: ZRO3

1 p.m.—Blackpool night: GSG GSI GSD GSB

12:55 p.m.—Science news: WIXAL (11.79)

3:15 p.m.—Japanese Festival music: JZJ

1:15 p.m.—OPERA, "DIE WALKURE," WAGNER: GSG GSG GSF GSB

1 p.m.—Monitor news: WIXAL (11.79)

12:20 p.m.—Song of nightingale: GSG GSG GSF

12:30 p.m.—Brazilian hour: PRF5

14:45 p.m. (ex. Sat.)—Jorge Leal, Spanish commentator: W2XE (15.27)

1 p.m.—In honor of Johannes Brahms: DJB DJD

1:15 p.m.—American travelogue: W2XAF (9.53)

1:30 p.m.—Modern Radio course: WIXAL (6.04)

1 p.m.—Twilight Serenaders: GSO GSD GSG GSB

SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

STARTING on about April 20, a blanket of silence began to slowly enshroud the short waves. By April 24, all stations in Europe and the powerful United States broadcasters were either totally inaudible or at the best very weak. Even the 20-meter amateur band, often good when all other bands are poor, was dead. South American stations alone continued to break through the magnetic curtain and even these were much below normal strength. This wipe-out of short-wave signals continued unabated until April 29, when the more powerful transmitters again began to filter through. Conditions are slowly returning to normal and on Tuesday, May 3, Asiatic and Australian stations again were evident. This strange phenomenon is blamed on unusual activity of the Northern Lights by some. Others claim a peculiar magnetic disturbance in the upper stratos was responsible, but at least we do know this was no local condition, for Eugene Darlington, director of short-wave broadcasting for General Electric Company, reports that on April 30, during the course of a two-way contact with VK2ME in Sydney, Australia, officials of that station noted similar conditions.

The secretary of the Hong Kong Broadcasting Committee, who is an official of ZBW in Hong Kong, writes that experimental transmissions have been completed and no longer will verifications be given.

With the introduction of the new Daventry transmitters, more frequencies have been made available. The following new schedule of transmissions is now in effect: 5:45 to 8:55 a.m. EST (4:45 to 7:55 a.m. CST) over GSJ, GSH, GSG and GSO; 9:15 a.m. to 12 noon EST (8:15 to 11 a.m. CST) over GSJ, GSH, GSG and GSF; 12:20 to 4 p.m. EST (11:20 a.m. to 3 p.m. CST) over GSG, GSI, GSD and GSB; 4 to 6 p.m. EST (3 to 5 p.m. CST) over GSG, GSO, GSF and GSB; 6:20 to 8:30 p.m. EST (5:20 to 7:30 p.m. CST) over GSP, GSO, GSD and GSB; 9 to 11 p.m. EST (8 to 10 p.m. CST) over GSI, GSD, GSC and GSB, and 12 mid. to 2:15 a.m. EST (11 p.m. to 1:15 a.m. CST) over GSG, GSO, GSD and GSB (see the Short Wave Log for frequencies).

TOO late for inclusion in last week's column, comes news by airmail that Gremio dos Radiofilos, at Laurence Marques, Mozambique, Portuguese East Africa, will broadcast a special program for members of the International DX-ers Alliance and other short-wave listeners in North America on Friday, May 14, at 8 p.m. EST (7 p.m. CST) over its twin transmitters CR7AA (6.137) and CR7BH (11.718). This is the first DX broadcast ever transmitted from South Africa espe-

cially for North American listeners. Reports, which will be eagerly welcomed, should be sent to P. O. Box 594, Gremio dos Radio Filos, Laurence Marques, Mozambique, Portuguese East Africa.

L. Cavileer, Haddon Heights, N. J., writes that RAU (7.525), Tashkent, U.S.S.R., may be heard at present calling RNE (12), Moscow, at 3 a.m. EST (2 a.m. CST). The station then plays phonograph recordings until 3:45 a.m. EST (2:45 a.m. CST), at which time a contact is made with RV15 (4.273), Khabarovsk, U.S.S.R.

R. B. Oxrieder, State College, Penn., reports the following notes: HJ1ABB, Baranquilla, Colombia, is now operating on 4.779 megs and HJ2ABC, Cutcuta, Colombia, on 4.787 megs; YV5RI, relaying YV5RJ, "La Voz de L'Esfera," Caracas, is now on 6.255 megs; Radio Guardia Civil de Tetuan, Morocco, on 6.508 megs, is being heard from 7 to 8 p.m. EST (6 to 7 p.m. CST).

CBS will also cover the spectacular total eclipse of the sun on June 8. From a base camp high in the Peruvian Andes, a commentary will be short-waved to the world.

Clyde Criswell, Mission Ranch, Phoenix, Ariz., again breaks into the news—this time with a verified reception of W10XV, mobile broadcasting unit of NBC, which at the time was cruising around the Newark airport. The power was only 25 watts and the aerial consisted only of an eight-foot aluminum rod projecting vertically above the roof of the car. The supposed transmission range of this transmitter is 25 to 30 miles. . . . The new Chicago NBC mobile unit, spick and span in its blue and silver paint, will short-wave its first scoop on Derby Day. The sedan can cruise at 60 miles an hour and is so designed that a man can drive and announce at the same time. The transmitters installed in the car consist of a 50-watt intermediate frequency rig for stationary broadcasts and a 40-watt ultra-high frequency outfit for mobile work.

Russell Leader, of San Francisco, states that Federal station XEXS (6.2), Mexico D.F., broadcasts an all-Spanish program daily from 10 p.m. to 12 mid. EST (9 to 11 p.m. CST). International reply coupon is not needed for verification.

ALL reports on Soviet transmissions addressed to the English Section of Radio Center, Moscow, U.S.S.R., will be verified. It is not necessary to enclose international reply coupon. Mr. Petrov, editor, states that the long delay in answering letters of recent months was due to the avalanche of reports received. . . . RAN (9.6), Moscow, is soon to have new directional aerials, which, the officials hope, will strengthen its broadcasts.

12:15 a.m.—Hawaii calls: KKP

3:30 a.m.—Happy program: PCT (15.22)

Tuesday, May 18

8:15 a.m.—May Sketches of Japan: JZJ JZK

8:35 a.m.—Burlesque in rhyme: GSJ GSG GSF

11:20 a.m.—Mario de Pietro's Estudiantina: GSJ GSG GSH

1:10 p.m.—SPEECH BY STANLEY BALDWIN: GSG GSI GSD GSB

2 p.m.—May Bee: GSG GSI GSD GSB

3:20 p.m.—Revue, "London Pie": GSG GSI GSD GSB

4 p.m.—Children's hour: DJB DJD

4:40 p.m.—Twilight Serenaders: GSO GSG GSF

5 p.m.—Harvard Glee Club: WIXAL (6.04)

5:30 p.m.—Folk tunes of Ulster: GSO GSD GSP

5:45 p.m.—An Army officer's wife looks at Alaska: WIXAL (6.04)

6 p.m.—Peter Dawson, baritone: GSO GSD GSP

6:30 p.m.—Dance band: GSO GSD GSG GSB

6:30 p.m.—"Stuff That Dreams Are Made Of": WIXAL (6.04)

6:45 p.m.—American program: EAQ2

7 p.m.—Political System of Japan: WIXAL (6.04)

7:45 p.m.—German reconstruction: DJB DJD

8:30 p.m.—"World Affairs": GSB GSG GSD

10 p.m.—Program from Tahiti: FOSAA

11:15 p.m.—Good-Will Celebration: JZJ

11:25 p.m.—Scrapbook for 1902: GSO GSD GSB

12:15 a.m.—Hawaii calls: KKP

Wednesday, May 19

9 a.m.—EMPIRE SERVICE OF YOUTH, FROM WESTMINSTER ABBEY: GSJ GSG GSF

10:40 a.m.—Maurice Vinden, organ: GSJ GSG

11:35 a.m.—Dave Frost and band: GSG GSI GSD

12:50 p.m.—GRACIE FIELDS: GSG GSI GSD

1:20 p.m.—BBC dance orchestra: GSG GSI GSD

1:45 p.m.—CORONATION NAVAL REVIEW: GSG GSI GSD GSB

2:05 p.m.—Folk songs: OLR4A

4 p.m.—Monitor news: WIXAL (11.79)

5 p.m.—Fairy play: DJB DJD

5:30 p.m.—Neapolitan melodies: ZRO3

6 p.m.—Biographies of famous Latin American writers: W3XAL (6.1)

6:15 p.m.—Stage songs: ZRO3

6:30 p.m.—Musical treasures: DJB DJD

7 p.m.—Booth Hitchen, songs: GSO GSD GSP

7:30 p.m.—Press review: DJB DJD

8 p.m.—National Tourist program: TIGP

8:15 p.m.—Kaleidoscope of opera: DJB DJD

8:25 p.m.—Donald Thorne, organ: GSB GSG GSD

11:15 p.m.—Industrial World in Japan: JZJ

Thursday, May 20

8:15 a.m.—Royal Air Force Band: GSG GSI GSD

9 a.m.—Ulster Notebook: GSJ GSG GSF GSH

11:20 a.m.—"European Personalities," Lady Muir: GSG GSO GSD GSB

12:40 p.m.—Palace of varieties: GSG GSI GSD

2:05 p.m.—Folk songs and Gypsy band: OLR4A

2:20 p.m.—Little Entente melodies: OLR4A

4 p.m.—Monitor news: WIXAL (11.79)

4:30 p.m.—John Londoner at home: GSO GSG

5:15 p.m.—Battle of popular songs: DJB DJD

5:45 p.m.—Sarah Fischer, soprano: GSO GSD

6:30 p.m.—Alp country music: DJB DJD

6:45 p.m.—Romantic airs: GSO GSD GSG GSB

7:30 p.m.—Juan Alvarado, songs: YV5RC

7:55 p.m.—Slovak folk songs: OLR4A

8 p.m.—Changing London: GSG GSG GSD GSI

8:15 p.m.—Organ recital: OLR4A

8:15 p.m.—Concert hour: DJB DJD

9 p.m.—Canadian hour: HH2S

11:15 p.m.—Japanese music: JZJ

Friday, May 21

9 a.m.—Plays, "Capital Punishment" and "Tony Kyles, the Arch-Deceiver": GSJ GSG GSF

9:30 a.m.—BBC Theater orchestra: GSJ GSG GSF

1 p.m.—Wireless Puppets: GSG GSI GSD GSB

2:25 p.m.—Hindu suite: OLR4A

3:15 p.m.—Sankyoku harps: JZJ

3:50 p.m.—Music hall favorites: GSG GSO GSF

4 p.m.—Argentina hour: LSX

4:30 p.m.—Compositions for flute, oboe and piano: DJB DJD

4:50 p.m.—Song of nightingale: GSG GSG GSF

5:15 p.m.—Listener's mail bag: WIXAL (11.79)

5:30 p.m.—Little theater: WIXAL (6.04)

6 p.m.—Sails and sailors: WIXAL (6.04)

6:15 p.m.—Vida Vallance, contralto, Philip Malcolm, baritone: GSO GSD GSG GSB

6:30 p.m.—League of South American Women: W3XAL (6.1)

7 p.m.—World of poetry: WIXAL (6.04)

8:15 p.m.—Folk songs: DJB DJD

10 p.m.—Program from Tahiti: FOSAA

11 p.m.—DX Club: W8XK (6.14)

11:15 p.m.—Kabuki stage music: JZJ

Saturday, May 22

7 a.m.—Children's program: GSJ GSG GSO GSH

7:15 a.m.—Phoeb club meeting: PHI

7:40 a.m.—Variety concert: PHI

8:15 a.m.—Japanese Festival music: JZK JZJ

8:20 a.m.—Microphone debutantes: PHI

10:30 a.m.—Children's program: GSJ GSG GSF

1 p.m.—Music Hall, including Alexander and Mose: GSG GSI GSD

1:45 p.m.—European post box: WIXAL (11.79)

2 p.m.—Comic opera, "Dogs of Devon": GSG GSI GSD GSB

3 p.m.—Youth speaks: WIXAL (11.79)

3:35 p.m.—Mietie Muthesius, Purcell's songs: GSG GSG GSF GSB

4 p.m.—News: WIXAL (11.79)

4:15 p.m.—New York to New Orleans: GSO GSG

4:30 p.m.—League of Nations: HBL HBP

5 p.m.—Program from Budapest: HAT4

5:15 p.m.—MUSICAL COMEDY, "Turandott, Princess of China": DJB DJD

6 p.m.—London Fire Brigade band: GSO GSD

6:15 p.m.—Cuban music: YV5RC

6:30 p.m.—New guitar songs: DJB DJD

6:40 p.m.—BBC presents the A.B.C.: GSO GSD

7 p.m.—Lesson with a moral: DJB DJD

7:30 p.m.—Clare Winzler-Schliepe, contralto: DJB

8:15 p.m.—Dance music: DJB DJD

9 p.m.—English hour: HJ4ABB HJ1ABP

10 p.m.—Northern Messenger: VE9DN CRCX (6.09)

11:15 p.m.—School songs of Japan: JZJ

*4:30 a.m.—Fiji hour: VPD2

May 29, 1937

SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

SHORT-WAVE reception conditions have improved somewhat but are still below normal for this time of the year. Although the principal broadcasters are heard with regularity, their signals lack the sock that characterized, for example, the Zeen, Germany, broadcasts from the Olympics last Summer.

According to microphone announcements, two of the new Daventry transmitters are now in operation, but, except for a more noticeable stability of carrier wave, the signals do not seem to have improved much. I doubt if the full power of 50,000 watts or the new directive aerial system is yet in effect.

Two separate transmitters will be used under the call GSG (17.79) with transmissions beamed in different directions. GSG is the best of the Daventry frequencies at present and in the early afternoon is much stronger than its next-door neighbor, W3XAL (17.78), of Boundbrook, New Jersey.

beams, one for Japan, Europe, and Asia, and the other for Central America. The Central American aerial should also give good program service throughout the United States.

Commander E. F. McDonald, Jr., president of the Zenith Radio Corporation, announces that his company has moved to its new factory in northwest Chicago, which is the largest radio factory in the world on one floor. The new plant will be capable of turning out 10,500 all-wave receivers every eight hours, or nearly 22 radio sets a minute!

Kahuku, Hawaii, commercial stations KQH (14.92), KIO (11.68) and KRO (5.84) have been licensed to communicate with relay broadcast station KMEF, which is located aboard the U. S. S. *Avocet*, for the purpose of transmitting programs relating to the Solar Eclipse Expedition. Bolinas, Calif., stations KQJ, KKZ, KEI and KEB also will be utilized.

Sintonia states that the new short-wave station CP1 (9.85), located at Sucre, Bolivia, is operating from 9 to 11 p.m. EDT (8 to 10 p.m. EST) daily.

It will be a great disappointment to many short-wave listeners to learn that a recent communication from the Ministry of Communications in New Zealand states that the popular short-wave transmitter ZMBJ, aboard the S. S. *Awatea*, has been ordered to stop broadcasting. The reason is unknown.

ACCORDING to Clyde Criswell of Phoenix, Ariz., African amateurs on the 10-meter band may be heard between 12 noon and 2 p.m. EDT (11 a.m. and 1 p.m. EST); Europeans from 1 to 3 p.m. EDT (12 noon to 2 p.m. EST); Australians from 9 to 11 p.m. EDT (8 to 10 p.m. EST), and South Americans from 3 to 9 p.m. EDT (2 to 8 p.m. MST).

Herbert Campbell, of Athens, Penn., writes to say that a band selection, which is probably the Peruvian anthem, or a stirring fife and drum selection, is always played just prior to station announcements over OAXSA (11.8), of Ica, Peru. This station has been coming through with excellent volume of late.

David Sarnoff, president of the Radio Corporation of America, in a speech before the American Physical Society, stated in part: "Short-wave transmission of pictures and printed or written material has been an accomplished fact for several years. It is now in daily service between Europe and America. The broadcasting of a facsimile newspaper into every business office and home, in half-hourly installments if desired, is perfectly feasible. The establishment of such a service is now an economic rather than a technical problem. (Continued on Page 47)

Tuesday, May 25

6:30 a.m.—Fiji hour: VPD2
11:20 a.m.—Hungarian Gypsy orch.: GSI GSG
1:20 p.m.—BBC Theater orchestra: GSI GSG
3 p.m.—Musical romance, "Gallery Goddess": GSI GSG
4:10 p.m.—PERRY VS. VINES, TENNIS MATCH: GSI GSG GSB
5:35 p.m.—Jack Harris' band: GSG GSG GSF
6:30 p.m.—Fascist housekeeping: DJB DJD

Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)		
CEC, Chile	10.67	HVJ, Vatican City 15.12
CJRO, Canada	6.15	JVH, Japan 14.6
CJRX	11.72	JVN, Japan 10.68
COCO, Cuba	6.13	JZJ 9.535
COCO, "	6.01	JZJ 11.80
COCQ, "	9.75	JZK 16.16
CSW, Portugal	9.94	KIO, Hawaii 11.68
DJB, Germany	16.50	RKM 7.49
DJC, "	6.02	RKP 16.03
DJD, "	11.77	LRU, Argentina 15.29
DJE, "	15.11	LRX 9.66
EAG, Spain	9.87	LSX 10.35
EAQ-2	9.49	OLR3A, Czechoslovakia 9.55
EASA, Spanish Morocco	14.045	OLR4A 11.44
FOAAA, Tahiti	7.11	ORK, Belgium 10.33
GSA, England	6.05	PCJ, Holland 9.59
GSG	9.51	PHI 17.775
GSG	9.58	PRADO, Ecuador 6.62
GSD	11.75	PRF5, Brazil 9.50
GST	15.14	RAN, Russia 9.60
GSG	17.78	RNE 12.00
GSH	21.47	RV16 4.273
GSI	15.26	RV59 6.00
GSG	21.63	SPW, Poland 15.64
GSG	17.79	TPJ, Iceland 14.53
GSG	16.18	TIPG, Costa Rica 6.41
GSP	16.31	TIANRE 9.698
HAS, Hungary	15.37	TPA2, France 15.24
HAT	9.12	TPA3 11.48
HBY, Switzerland	14.835	TPF 11.71
HBL	9.60	2R03, Italy 9.635
HBO	11.402	2R04 11.81
HBP	7.80	VEDND, Canada 6.005
HBCW, Ecuador	8.27	ZKWE, Australia 9.59
HCR2L	6.96	VZLR 9.88
HJ28, Haiti	6.928	VKME 9.61
HIN, Dominican Republic	6.243	VPDE, Eliza 9.54
HJABE, Colombia	9.5	W1XAL, Boston, Mass. 15.25
HJABP	9.618	XEOR, Mexico 7.38
HJU	9.51	XEFT 6.12
HJ3J, Panama	9.60	YVRC, Venezuela 9.40
HJN, Honduras	9.57	YVRC, China 9.525
HSEFJ, Siam	9.35	ZBW4 15.19

Time given in EDT; for EST subtract one hour.

Short-wave programs of American stations are shown along with the regular listings beginning on page 29. These are indicated, for example, by (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—1:40 a.m., JZJ; 2:25, GSG, GSG, GSG, GSD; 4:40, TPA3; 7, TPA2; 9:30, GSI, GSG, GSG, GSH; 10:40, JZJ, JZJ; 12:10 p.m., GSI, GSG, GSG, GSH; 2, GSG, GSI, GSG, GSD; 3:10, TPA3; 4, OLR4A; 5, GSG, GSG, GSG, GSG; 5:15, JZJ; 7:30, EAQ-2; 7:40, HP51; 8, RAN; 8:15, CSW; 8:30, EAQ-2; 9, GSG, GSG, GSG, GSG; 9:15, DJB, DJD; 11:30, DJB, DJD, TPA4; 11:40, GSG, GSG, GSI, GSB, OLR4A; 11:45, CJRO, CJRX.

Daily except Sundays—7 a.m., VK3ME; 8:30, VK3LR; 10, 2R04; 2:20 p.m., VR04; 7, 2R03.

Sun., Mon., Wed., Fri.—5 a.m., RNE.

Sun., Tues., Wed., Fri., Sat.—9:30 a.m., ZBW3.

Mon. & Thurs.—10:30 p.m., OLR4A.

Sunday, May 23

*8:40 a.m.—International Church: COCQ
*9 a.m.—Variety program: DJL
*10 a.m.—Overseas hour for Australia: JZK JZJ
*10 a.m.—Gypsy music: HAS3
*11:30 a.m.—Vatican City: HVJ
1:20 p.m.—BBC Military band: GSG GSI
*1:30 p.m.—Program from Belgium: ORK
2:05 p.m.—"Birds in St. James Park": GSG GSI
2:40 p.m.—Iceland hour: TFJ
4:05 p.m.—Victorian melodies: GSG GSI
4:30 p.m.—Devotional period: W1XAL (11.79)
5 p.m.—President's study: W1XAL (11.79)
5:30 p.m.—"Atoms, the Building Blocks of the Universe": W1XAL (11.79)
6 p.m.—Black Forest cuckoo clock: DJB DJD
6:15 p.m.—Call of far horizons: W1XAL (11.79)
8 p.m.—Happy broadcast: PCJ (9.59)
*8 p.m.—Broadcast from Moscow: RAN
*8:15 p.m.—Sound pictures: DJB DJD
8:30 p.m.—Two hours with Cuba: COCQ
8:50 p.m.—Marian Brown, soprano: GSG GSG
10 p.m.—Chas. Ernesto's quintet: GSD GSG GSG
10:15 p.m.—Popular orchestral concert: DJB DJD
*10:30 p.m.—Dance music: LRX
11:20 p.m.—Watson Forbes, viola: GSD GSB
1 a.m.—Overseas hour (Pacific Coast): JZJ
1 a.m.—"ROTHWELL CHARTER FAIR." A commentary on the Fair, founded in 1204: GSD GSB
1:15 a.m.—By motor to Musashi-Ranzan: JZJ

Key to Symbols Used: *Daily; †Week Days; ‡Monday, Wednesday, Friday; §Mon., Thurs.

Monday, May 24

4 a.m.—English programs from Siberia: RV15
6:55 a.m.—Empire Day Service: GSI GSG
8:9 a.m.—Siamese broadcast: HS8PJ (19.02)
8:9 a.m.—Oriental variety: ZBW3
1:20 p.m.—Crew races at Oxford U.: GSG GSI
*1:30 p.m.—Polish hour: SPW
2:20 p.m.—English letter box: 2R03
2:55 p.m.—Advs. of Mr. Penny: GSG GSI
3:30 p.m.—EMPIRE DAY CELEBRATION, program from India and Ceylon: GSG GSI
4 p.m.—EMPIRE DAY CONCERT: Chorus from Coronation Choir; BBC orch.: GSG GSI
4:55 p.m.—Science news: W1XAL (11.79)
5 p.m.—In the Soviet Army: RNE
5:30 p.m.—Light Opera Excerpts: GSG GSG GSG
6 p.m.—Views of the news: W1XAL (11.79)
6:30 p.m.—Brazilian hour: PRF5
6:30 p.m.—Old Shepherd songs: DJB DJD
*6:45 p.m. (ex. Sat.)—Jorge Leal, Spanish commentator: W2XE (15.27)

THE Columbia Broadcasting System's new international short-wave broadcast transmitter, with a peak power of 40,000 watts, has been dedicated officially. Programs of interest, primarily to foreign audiences, will be selected for W2XE's trans-Atlantic broadcasts by a new program department headed by Elizabeth Ann Tucker, who, as a former member of the CBS general engineering department, for the past several years has been closely associated with Columbia short-wave activities. The following transmissions will be beamed on England and Europe daily: On 21.52 megs from 7:30 to 10 a.m. EDT (6:30 to 9 a.m. EST); on 17.76 megs from 1 to 2 p.m. EDT (12 noon to 1 p.m. EST), and on 15.27 megs from 3 to 6 p.m. EDT (2 to 5 p.m. EST).

NBC's official apex transmitters include: W2XHG (41 megs), which operates daily with a power of 100 watts from 9 a.m. to 12 mid. EDT (8 a.m. to 11 p.m. EST); W8XKA (55.5), which relays W8XK of Pittsburgh, Penn., daily from 2 to 10 p.m. EDT (1 to 9 p.m. EST); W1XKA (55.5), which relays W1XK of Springfield, Mass., daily from 7 a.m. to 1 p.m. EDT (6 a.m. to 12 noon EST), and W4XCA (31.6), which relays WMC of Memphis, Tenn., daily from 8:30 a.m. to 12 mid. EDT (7:30 a.m. to 11 p.m. EST).

On May 19, official telephonic communications between the United States and Shanghai, China, was inaugurated. Service opened by a conversation between Mrs. Franklin D. Roosevelt and Mme. Chiang Kai-shek, wife of the Chinese dictator.

A NEW and powerful short-wave station will be erected in Rio de Janeiro, Brazil, this year. With 50,000 watts, it will be the most powerful short-wave broadcaster in South America. The station will have two

7 p.m.—Course in radio: W1XAL (6.04)
7:15 p.m.—American travelogue: W2XAF (9.53)
7:30 p.m.—OPERA from Scala: 2R03
8 p.m.—Empire exchange talks: GSG GSD
8 p.m.—"Agriculture in Italy": 2R03
8:15 p.m.—EMPIRE DAY concert: GSG GSD
8:25 p.m.—Mail bag: 2R03
9 p.m.—American news: EAQ2
9:05 p.m.—Operetta music: OLR4A
9:30 p.m.—Little German reader: DJB DJD
9:45 p.m.—Amateur hour: YVRC
10 p.m.—Crew races at Oxford: GSG GSG GSG
10:20 p.m.—Empire artists' recital: GSD GSG
*10:30 p.m.—Sea Melody orchestra: YV5RC
10:40 p.m.—Popular wind quintet: OLR4A

7 p.m.—Fritz Steinkamp, clarinet: DJB DJD
7:30 p.m.—Conrad Eden, organ: GSG GSD GSB
7:45 p.m.—Program on Alaska: W1XAL (6.04)
8 p.m.—Review, "All in Pink": GSG GSD GSB
8:30 p.m.—PLAY, "The Taming of the Shrew," Wm. Shakespeare: DJB DJD
8:30 p.m.—Finding Oneself: W1XAL (6.04)
8:45 p.m.—American program: EAQ2
9:45 p.m.—Daily life in Germany: DJB DJD
10 p.m.—ECLIPSE EXPEDITION BROADCAST FROM ENDERBURY ISLAND: (12.862)
10:50 p.m.—PLAYS, "Capital Punishment" and "Tony Kytes": GSD GSG GSB
11:20 p.m.—Otto Ferrari players: GSD GSG GSB
12 mid.—Program from Tahiti: FO8AA
2 a.m.—Dave Frost's band: GSG GSD GSB
2:15 a.m.—Hawaii calls: KKP

Wednesday, May 26

8:15 a.m.—CRICKET MATCH—M. C. C. AUSTRALIAN XI VS. REST OF ENGLAND: GSG GSG
12 noon—Repeat of above: GSG GSG
1:40 p.m.—The Little Orchestra: GSG GSI
2:30 p.m.—BBC dance orchestra: GSG GSI
3:15 p.m.—LONDON MUSIC FESTIVAL, from Queen's Hall, London; BBC Symphony orch., conducted by ARTURO TOSCANINI: GSG GSI GSD GSB
4:25 p.m.—Melodies from operettas: OLR4A
6 p.m.—Views of the news: W1XAL (11.79)
6:20 p.m.—Billy Cotton's band: GSG GSG GSG
7:30 p.m.—Organ recital: 2R03
8 p.m.—Forests of Ethiopia: 2R03
8 p.m.—Program from Budapest: HAT4
8:15 p.m.—Pedigreed Stock: GSG GSD GSB
8:30 p.m.—Billy Bissett's Canadians: GSG GSD
9:30 p.m.—Press reviews: DJB DJD
10 p.m.—National Tourist program: TIPG
10:15 p.m.—OPERA, "THE DEAD EYES," Eugene d'Albert: DJB DJD
10:50 p.m.—Recital by Australians: GSG GSG
11:15 p.m.—Songs and excerpts from Royal Command plays: GSG GSG GSG
1 a.m.—BBC Empire orchestra: GSG GSG GSB
1:15 a.m.—Navy Day program: JZJ

Thursday, May 27

12 noon—Cricket match, repeat: GSG GSG
1:20 p.m.—Impressions of Europeans: GSG GSG
4:40 p.m.—A Cornish Notebook: GSG GSI
4:25 p.m.—S. Bohemian Wedding songs: OLR4A
6 p.m.—Views of the news: W1XAL (11.79)
6 p.m.—BBC dance orchestra: GSG GSI
6:30 p.m.—Magazine review: DJB DJD
7:15 p.m.—"Tobacco Smoke": DJB DJD
8 p.m.—G. Thalben-Ball, organ: GSG GSD GSB
8:30 p.m.—Empire Follies: GSG GSD GSB
9:05 p.m.—Salon orchestra: OLR4A
9:30 p.m.—Juan Alvarado, songs: YV5RC
9:45 p.m.—German Labor Service: DJB DJD
10 p.m.—BBC Empire orchestra: GSG GSG GSB
10:15 p.m.—Dance music: DJB DJD
10:40 p.m.—Military band: OLR4A
11 a.m.—Canadian hour: HJ2S
1:15 a.m.—Comedy presented by Moulin Rouge Theater group: JZJ
1:55 a.m.—Scottish song recital: GSG GSD GSB

Friday, May 28

11 a.m.—"Drury Lane," story of the Drury Lane Theater: GSG GSG
3:15 p.m.—London Music Festival, 1937 (repeat), CONDUCTED BY ARTURO TOSCANINI: GSG GSI GSD GSB
4:20 p.m.—Duties of Empire: GSI GSG
5:25 p.m.—BBC Military band: GSG GSG GSG
6 p.m.—Argentina hour: LSX
6:15 p.m.—Lew Stone's band: GSG GSG GSG
7 p.m.—S. Burgstaller, songs: DJB DJD
7:15 p.m.—Listeners' mail bag: W1XAL (11.79)
7:30 p.m.—The Little Theater: W1XAL (11.79)
8 p.m.—Sails and sailors: W1XAL (11.79)
8 p.m.—Rome's Midnight Voice: 2R03
8:15 p.m.—John Dickinson's band: GSG GSD
8:30 p.m.—League of South American Women: W3XAL (6.14)
8:45 p.m.—Astronomy talk: W1XAL (11.79)
9 p.m.—With the poets: W1XAL (11.79)
9:30 p.m.—"May Brings Us Joy": DJB DJD
12 mid.—Program from Tahiti: FO8AA
1 a.m.—DX Club: W8XK (6.14)
2:10 a.m.—Duties of Empire: GSG GSD GSB

Saturday, May 29

11:30 a.m.—Trois mandolins: GSG GSG
2:30 p.m.—Int'l Concert: W1XAL (11.79)
2:30 p.m.—BBC presents letter G: GSG GSG
3:40 p.m.—Popular concert: OLR4A
3:45 p.m.—European mail bag: W1XAL (11.79)
4:30 p.m.—World-wide news: W1XAL (11.79)
5 p.m.—World youth speaks: W1XAL (11.79)
5:55 p.m.—Ursprung broadcast: W1XAL (11.79)
6 p.m.—World-wide news: W1XAL (11.79)
6:15 p.m.—OPERA, "Carmen": GSG GSG GSG
6:30 p.m.—League of Nations: HBL HBP
6:40 p.m.—Ambrose's Ciro Orch.: GSG GSG
7 p.m.—Program from Budapest: HAT4
7:20 p.m.—London Log: GSG GSD GSB
7:45 p.m.—Variety from Switzerland: HBO HBJ
8:15 p.m.—Cuban music: YV5RC
8:30 p.m.—Songs of foreigners: DJB DJD
10 p.m.—Advs. of Mr. Penny: GSG GSG GSG
10:15 p.m.—Club of Nations: DJB DJD
11 p.m.—English hour: HJ4AB HJ1ABP
12 mid.—Northern Messenger: VE9DN, CRCK (6.09)
1:15 a.m.—"The Late Fleet Admiral Marquis Heihachiro Togo," Vice-Admiral Ogasawara: JZJ

Log of Short-Wave Stations
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
CEC, Chile	10.67	JVN, Japan	10.66
CJRO, Canada	6.15	JZJ	9.535
CJRX, "	11.72	JZJ	11.80
COCU, Cuba	6.13	JZK	15.16
COCO, "	6.01	KIO, Hawaii	11.68
COCQ, "	9.75	KKH, "	7.52
CSW, Portugal	9.94	KKP, "	16.03
DJB, Germany	15.20	LRU, Argentina	15.29
DJC, "	6.02	LRX, "	9.66
DJD, "	11.77	LSX, "	10.35
DJL, "	15.11	OLR3A, Czechoslovakia	9.55
EAQ, Spain	9.87	OLR4A, "	11.84
EAQ-2, "	9.49	OLR5A, "	15.23
EA9AH, Spanish Morocco	14.045	ORK, Belgium	10.33
FO8AA, Tahiti	7.11	PCJ, Holland	9.59
GSA, England	6.05	PHI, "	17.775
GSA, "	9.51	PRADO, Ecuador	6.62
GSC, "	9.58	PRF5, Brazil	9.50
GSD, "	11.75	RAN, Russia	9.60
GSE, "	15.14	RKI, "	15.038
GSG, "	17.79	RNE, "	12.00
GSH, "	21.47	RV15, "	4.273
GSI, "	15.26	RV59, "	6.00
GSL, "	21.53	SPW, Poland	13.64
GSO, "	6.11	TFJ, Iceland	12.23
GSP, "	15.18	TIPG, Costa Rica	6.41
HAS3, Hungary	15.37	TIANRH, "	9.998
HAT4, "	9.12	TPA2, France	15.24
HBJ, Switzerland	14.531	TPA3, "	11.88
HBL, "	9.60	TPA4, "	11.71
HBO, "	11.402	VE9DN, Canada	6.005
HBP, "	7.80	VK2ME, Australia	9.59
HC2CW, Ecuador	6.20	VK3R, "	9.58
HC2RL, "	6.66	VK3ME, "	9.51
HE2S, Haiti	5.925	VPD2, Fiji	9.54
HIN, Dominican Republic	6.243	WIXAL, Boston, Mass.	15.25, 11.79 and 6.04
HJ1ABE, Colombia	9.5	XECR, Mexico	7.38
HJ1ABP, "	9.618	XEFT, "	6.12
HJU, "	9.51	YV6RC, Venezuela	5.80
HP5J, Panama	9.60	ZBW3, China	9.525
HRN, Honduras	5.87	ZBW4, "	15.19
HS8PJ, Siam	9.35, 19.02	2RO3, Italy	9.635
HVJ, Vatican City	15.12	2RO4, "	11.81
JVH, Japan	14.6	9MI, S. S. Kanimbla	6.01

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

News Broadcasts

Daily—1:55 a.m., GSG, GSO, GSB, GSD; 2:15, JZK; 4:40, TPA3; 7, TPA2; 9:30, GSI, GSO, GSG, GSH; 9:45, JZK, JZJ; 10, OLR5A; 12:10 p.m., GSI, GSO, GSG, GSH; 2, GSG, GSI, GSD, GSB; 3:10, TPA3; 5, GSO, GSB, GSG, GSF; 5:40, OLR4A; 6:15, JZJ; 7:30, EAQ-2; 7:40, HP5J; 8, RAN; 8:15, CSW; 8:30, EAQ-2; 9:10, GSB, GSD, GSP, GSO; 9:15, DJB, DJD; 11:30, DJB, DJD, TPA4; 11:40, GSC, GSD, GSI, GSF, OLR4A; 11:45, CJRO, CJRX.

Daily except Sundays—7 a.m., VK3ME; 8:30, VK3LR; 2:20 p.m., 2RO4; 7, 2RO3; 11, 2RO4.

Sun., Mon., Wed., Fri.—5 p.m., RNE.

Mon. & Thurs.—10 p.m., OLR4A.

Sunday, July 18

8:40 a.m.—Program from S. S. Kanimbla: 9MI

8:40 a.m.—International Church: COCQ

9 a.m.—Variety program: DJL

9 a.m.—Overseas hour for Australia: JZK JZJ

10:15 a.m.—Chimes and church services: WIXAL (15.25)

10:30 a.m.—Musical journey: PHI

11:30 a.m.—Vatican City topics: HVJ

12:30 p.m.—Eugene Pini's tango orchestra: GSG GSI

1:30 p.m.—Cultural activities, news: W3XAL (6.1)

1:30 p.m.—Program from Belgium: ORK

2:20 p.m.—Verse and song: GSG GSI

2:40 p.m.—Iceland hour: TFJ

2:55 p.m.—Keswick Convention service: GSG GSI

4:05 p.m.—Welsh Castle Choir: GSG GSI

4:35 p.m.—Changing Harley Street: GSG GSI

5:30 p.m.—Overseas hour (East coast): JZK JZJ

5:45 p.m.—Popular songs: JZK JZJ

6 p.m.—Reginald Foort, organ: GSG GSO

6:15 p.m.—Army band concert: DJB DJD

7:30 p.m.—Chamber music: GSP GSD

8 p.m.—Program from Moscow: RAN RKI

8:15 p.m.—Sound Pictures: DJB DJD

8:30 p.m.—Two Hours with Cuba: COCO

8:50 p.m.—Canadian artists: GSP GSD

9:30 p.m.—Folk songs: DJB DJD

10:30 p.m.—Dance music: LRX

10:35 p.m.—A Zoologist's adventures: GSI GSD

11:05 p.m.—G. Thalben-Ball, organ: GSI GSD

11:15 p.m.—Brazilian National Hymn variations: DJB DJD

1:30 a.m.—Overseas hour (Pacific coast): JZK

2:15 a.m.—BBC presents the ABC: GSG GSD

Key to Symbols Used: *Daily; †Week Days; ‡Monday, Wednesday, Friday; §Sun., Wed.

Monday, July 19

4 a.m.—English program from Siberia: RV15

10 a.m.—DAVIS CUP INTER-ZONE TENNIS FINALS: GSI GSG

11:30 a.m.—Mail bag: GSG GSI

1:20 p.m.—My Years in the Army: GSG GSI

1:30 p.m.—Polish hour: SPW

2:20 p.m.—English letter-box: 2RO4

3 p.m.—Dance music: GSG GSI

3:40 p.m.—Dance music: OLR4A

5:45 p.m.—Nagauta ballads: JZJ JZK

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

(Figures in Parentheses are Megacycles)

SHORT-WAVE reception conditions have been excellent for some time. Strong signals and an unusually low noise level has characterized reception on all bands. Even the 31-meter band, which as a rule is none too good at this time of the year, has been giving an excellent account of itself with the following broadcasters furnishing outstanding signals: Colombian stations HJ4ABH (9.52), HJ1ABE (9.5) and HJ1ABP (9.618); Cuban stations COCH (9.43) and COCQ (9.75); XEWW (9.5), Mexico, D.F.; LRU (9.66), Buenos Aires, Argentina, and DJA (9.56), Zeelen, Germany.

European reception, comparable in fidelity and volume to that from local stations, has been enjoyed in the evenings from Daventry stations GSG (17.79), GSP (15.31) and GSD (11.75); Zeelen stations DJB (15.2) and DJD (11.77); 2RO4 (11.81), Rome, Italy, and OLR4A (11.84), Prague, Czechoslovakia. One of the strongest evening stations on the 25-meter band has been the new Cuban, COGF (11.8), of Matanzas, Cuba, which features a variety of real Latin entertainment.

The popular overseas programs from Tokyo, Japan, which are being well received at present, adopted the following altered schedules on July 1: For Australasia, daily from 9 to 10 a.m. EDT (8 to 9 a.m. EST), over JZJ (11.8) and JZK (15.16); for the eastern coast of North America, daily from 5:30 to 6:30 p.m. EDT (4:30 to 5:30 p.m. EST), over JZJ (11.8) and JZK (15.16) and for the Pacific Coast of North America, daily from 1:30 to 2:30 a.m. EDT (12:30 to 1:30 a.m. EST), over JZK (15.16).

THE Mexican station on approximately 15.16 megacycles which broadcasts daily from 10 a.m. to 7 p.m. EDT (9 a.m. to 6 p.m. EST), and announces as "La Voz de Latin, America," Mexico City, still has not been identified definitely, owing to the fact that the announcer speaks so rapidly that it is almost impossible to hear the call. It is, however, reported that the broadcaster is XEWW, a relay of broadcast station XEW of Mexico, D. F. If this is the case, it is the same station that broadcasts on 9.5 megacycles in the evenings up to 2 a.m. EDT (1 a.m. EST).

John Bryan of New Augusta, Ind., reports a verification from OAX5A (11.796), "Radio Universal," which gives the daily schedule as 1 to 5 p.m. and 8 p.m. to 12:30 a.m. EDT (12 noon to 4 p.m. and 7 to 11:30 p.m. EST). The station owner is J. A. Umberto F., at Avenida San Luis, Ica, Peru.

Louis Ambrosius, of Louisville, Ky., is still hearing W10XDA, aboard the Schooner Morrisey, bound for West Greenland, almost nightly between 8:30 and 9 p.m. EDT (7:30 and 8 p.m. EST). W10XDA utilizes a frequency of 14.248 megacycles when the operator is

6 p.m.—Monitor news: WIXAL (15.25)

6:15 p.m.—American travelogue: W2XAF (9.53) W2XAD (15.33)

6:30 p.m.—Brazilian hour: PRF5

6:45 p.m. (ex. Sat.)—Jorge Leal, Spanish commentator: W2XE (15.27)

7 p.m.—News from South America: W3XAL (6.1)

7:30 p.m.—Operetta by Lydia Binder: DJB DJD

8 p.m.—Motion picture exhibition: 2RO4

8:15 p.m.—Old Italian arias: 2RO4

8:25 p.m.—Mail bag: 2RO4

8:35 p.m.—Empire exchange talks: GSG GSD

8:50 p.m.—Songs of the Hebrides: GSG GSD

9 p.m.—American news: EAQ2

9:40 p.m.—Written Over Night: OLR4A

9:45 p.m.—Amateur hour: YV5RC

calling "CQ" and then a switch is made to the transmitter's main frequency of 12.862 megacycles. Reports on reception of W10XDA should be mailed to Cliff F. Ross, W20J, 8214 11th Avenue, Brooklyn, N. Y., the home address of the operator, who will verify all correct reports when he returns next fall. W8XAL (6.06), of Cincinnati, broadcasts a "Salute to Their Friends to the South," in Spanish, on Tuesdays from 11:30 p.m. to 12 mid. EDT (10:30 to 11 p.m. EST). W2XGB, owned by Press Wireless, Inc., of Hicksville, N. Y., is testing again, this time on 17.31 megacycles, from 1:15 to 2 p.m. EDT (12:15 to 1 p.m. EST).

R. C. Messer of South Portland, Me., has been hearing that interesting amateur station OQ5AA (14.15), Tondo, Belgian Congo, two or three times a week, around 5 p.m. EDT (4 p.m. EST). The operator of this station will verify all correct reports on an attractive QSL card picturing an elephant.

AN ANNOUNCEMENT from Rome states that anyone interested in following Italian lessons to be given twice weekly over station 2RO4 (11.81) should write to Italian Lesson Department, Ente Italiano Audizioni Radiofoniche, 5 Via Montello, Rome, Italy, giving full name and address. Advance texts will be mailed free of charge.

COGF (11.8), Matanzas, Cuba, signs off at 12 mid. EDT (11 p.m. EST) with the organ selection "My Cheri." Reports are requested and the final announcements are made in English.

Olga Andrea, music comedy star who has been the soprano soloist on the "Woman's Page" program heard over W3XAL (17.78), Fridays at 8 p.m. EDT (7 p.m. EST), has been engaged by NBC to act as mistress of ceremonies for the popular Spanish period... Senor Francisco J. Ariza has taken up his duties as the new master of ceremonies for the Spanish Man-About-Town program heard over W3XAL Tuesdays at 8 p.m. EDT (7 p.m. EST). For the particular benefit of short-wave listeners in Brazil, Portuguese announcements are now made regularly in connection with three W3XAL broadcasts—Latin American Night, heard at 8 p.m. EDT (7 p.m. EST), Wednesdays; American Composers, 8:30 p.m. EDT (7:30 p.m. EST), Thursday, and Cocktail Musical heard at 8 p.m. EDT (7 p.m. EST), Saturdays. These broadcasts are all transmitted on 17.78 megacycles.

Billie Byrd, Jr., Little Rock, Ark., reports hearing a new Cuban testing and announcing as COCB, P. O. Box 866, Havana, from 2:14 to 3:10 a.m. EDT (1:14 to 2:10 a.m. EST), on approximately 9.07 megacycles. The program consisted entirely of Cuban and American recordings and all announcements were in Spanish with the exception of an English identification given just before the station signed off.

10 p.m.—Mail bag: OLR4A

10:30 p.m.—Sea Melody orchestra: YV5RC

1:45 a.m.—Japanese guitar: GSI GSD GSC

2:15 a.m.—Hawaii Calls: KKP

Tuesday, July 20

5:30 a.m.—Happy program: PCJ (15.22)

6:30 a.m.—Fiji Hour: VPD2

10:15 a.m.—"World Affairs," H. Wickham Steed: GSI GSG

10:30 a.m.—DAVIS CUP INTER-ZONE TENNIS FINALS: GSI GSG

1:35 p.m.—Reginald King's orchestra: GSG GSI

3 p.m.—Mid-week variety: GSG GSI

4:05 p.m.—Bagpipe music: OLR4A

5:20 p.m.—BBC Theater orchestra: GSG GSI

6 p.m.—Lew Stone's band: GSG GSO

6:15 p.m.—Organ music: DJB DJD

7 p.m.—Life of Queen Louise: DJB DJD

7:30 p.m.—Ezra Pitt and Elmer: GSG GSD

7:45 p.m.—Concert: Erna Berger: DJB DJD

8 p.m.—Man About Town program: W3XAL (17.78)

8:40 p.m.—The Grand Junction: GSG GSD

9:30 p.m.—Piano recital: DJB DJD

11:30 p.m.—Salute to Latin America: W8XAL (6.06)

12 mid.—Program from Tahiti: FO8AA

12:45 a.m.—H. M. Coldstream Guards band: GSG

1:45 a.m.—Akiko Futaba, songs: JZK

2:15 a.m.—Hawaii Calls: KKP

Wednesday, July 21

9:15 a.m.—Akiko Futaba, songs: JZJ JZK

10:30 a.m.—POLO. A commentary from Hurlingham: GSI GSG

11:15 a.m.—They Never Came Back: GSI GSG

3 p.m.—Play, "Nikki Makes News": GSG GSI

4 p.m.—SPEEDWAY RACING; England vs. Australia: GSG GSI

5:40 p.m.—Douglas Swallow's band: GSG GSO

6 p.m.—Entertainment and music: DJB DJD

6:30 p.m.—White notes: GSG GSO

7:30 p.m.—Unveiling ceremony to Richard Price and John Thomas: GSG GSD

8 p.m.—Latin American Night: W3XAL (17.78)

8:20 p.m.—BBC Military band: GSG GSD

8:20 p.m.—Folk songs: 2RO4

8:30 p.m.—Music of H. Y. Youth: DJB DJD

10:15 p.m.—Symphony concert: DJB DJD

10:50 p.m.—Victorian Reminiscences: GSI GSD

11:10 p.m.—Empire mail bag: GSI GSD GSC

1:15 a.m.—SPEEDWAY RACING; England vs. Australia: GSG GSD GSB

1:35 a.m.—Songs of London shows: GSG GSD

1:45 a.m.—Choral selections: JZK

Thursday, July 22

9 a.m.—Program from Bangkok: HS8PJ (9.35)

11:15 a.m.—Phantom five: GSI GSG

1:35 p.m.—BBC Northern orchestra: GSG GSI

4:20 p.m.—PLAY, "Fog": GSG GSI

5:45 p.m.—Madam Yoshiko Bertrameli, songs: JZJ JZK

6:15 p.m.—Jack Harris, band: GSG GSO

7:30 p.m.—Play, "Something in the City": GSG GSD

8 p.m.—American Composers' program: W3XAL (17.78)

8:30 p.m.—Zither music: DJB DJD

8:45 p.m.—Heather sextet: GSG GSD

9:15 p.m.—Violin concert: OLR4A

9:45 p.m.—Medical education: DJB DJD

10 p.m.—Mail bag: OLR4A

10:40 p.m.—Round and about: GSI GSD GSC

11 p.m.—Canadian hour: HH2S

1:30 a.m.—Here lived Lord Clive & William Pitt: GSG GSD GSB

1:45 a.m.—Current problems: JZK

Friday, July 23

9:15 a.m.—Jazz songs: JZK JZJ

10:45 a.m.—Concert party: GSI GSG

1:25 p.m.—Shows from the seaside: GSG GSI

3:30 p.m.—BBC presents the ABC: GSG GSI

4:05 p.m.—V. Nemeo, organ: OLR4A

4:40 p.m.—TEWKESBURY DRAMA FESTIVAL. Excerpts from the final scenes of "Murder in the Cathedral": GSG GSI

6 p.m.—Billy Bissett's Canadians: GSG GSO

6 p.m.—Argentina hour: LSX

7 p.m.—Leonore Vianna da Motta, songs: DJB DJD

7:30 p.m.—Fishing: GSG GSD

7:30 p.m.—Request numbers: 2RO4

8 p.m.—Woman's Page program: W3XAL (17.78)

8 p.m.—Rome's Midnight Voice: 2RO4

8 p.m.—Syncopated interlude: GSG GSD

8:30 p.m.—Light music: DJB DJD

10 p.m.—BBC dance orchestra: GSI GSD GSC

10:15 p.m.—Cinnabar: DJB DJD

12 mid.—Program from Tahiti: FO8AA

12:30 a.m.—London Log: GSG GSD GSB

12:30 a.m.—DX Club: W8XK (6.14)

Saturday, July 24

8:15 a.m.—CRICKET; England vs. New Zealand: GSI GSG GSO

10:15 a.m.—Sports commentaries: GSI GSG

10:30 a.m.—Popular concert: PHI

1:15 p.m.—SECOND ACT OF "LOHENGGRIN" FROM THE WAGNER FESTIVAL: DJB DJD

2:30 p.m.—BBC presents the ABC: GSG GSI

3 p.m.—Music Hall: GSG GSI

3:40 p.m.—Ballet music: OLR4A

4 p.m.—Glastonbury Town band: GSG GSI

5:35 p.m.—Ambrose's orchestra: GSG GSO

6:30 p.m.—League of Nations: HBL HBP

7 p.m.—Program from Budapest: HAT4

7:15 p.m.—BAYREUTH FESTIVAL PLAYS; "LOHENGGRIN." ACT I: DJB DJD

7:20 p.m.—London Log: GSG GSD

7:30 p.m.—Arthur Dufay, quintet: GSG GSD

7:40 p.m.—Sheep Shearing: GSG GSD

7:45 p.m.—Variety program: HBL HBP

8 p.m.—Cocktail Musical: W3XAL (17.78)

8:45 p.m.—"LOHENGGRIN." ACT II: DJB DJD

9:45 p.m.—Equatorial music: YV5RC

10:25 p.m.—"LOHENGGRIN." ACT III: DJB DJD

11 p.m.—English hour: HJ4ABH HJ1ABP

11:20 p.m.—Kayles to St. Merry: GSI GSD GSC

12 mid.—Northern Messenger; Messages to those in the Far North: VE9DN CRCX