

Log of Foreign Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

GEC, Chile	16.67	JVN, Japan	18.98
CJRO, Canada	6.14	JZK, "	9.33
CJAX, "	11.72	JZK, "	11.14
COCD, Cuba	6.13	K10, Hawaii	11.66
COCO, "	6.01	KKE, "	7.62
COCQ, "	9.75	KKP, "	16.00
DJB, Germany	15.2	LRU, Argentina	15.29
DJC, "	6.62	LRS, "	3.60
DJD, "	11.77	LX, "	16.39
DJL, "	15.11	OLR, Czechoslovakia	15.22, 11.94
EAO, Spain	9.87	OK, "	15.22, 11.94
FOAAA, Tahiti	7.11	PCJ, Holland	9.50, 11.22
G8B, England	8.81	PKI, "	11.72
GSC, "	9.54	PRADO, Ecuador	9.42
GSD, "	11.75	FRFB, Brazil	3.30
GST, "	15.14	HAN, Russia	9.60
GSO, "	17.79	RNE, "	15.00
GSM, "	21.47	SPW, Poland	12.44
GSI, "	15.28	TJF, Iceland	12.33
GSL, "	8.11	TIPG, Costa Rica	8.41
GSP, "	15.18	TIANRE, "	9.47
GSP, "	15.21	TPA2, France	15.74
HASS, Hungary	15.27	TPA3, "	11.60
HAF, "	9.12	TPA4, "	11.71
HBL, Switzerland	9.00	ZRO3, Italy	9.45
HBP, "	7.00	ZRO4, "	11.81
HCGW, Ecuador	9.20	VESDN, Canada	6.06
HCRSL, "	6.66	VK3ME, Australia	3.39
HJABE, Colombia	9.5	VK3LR, "	9.51
HJU, "	9.51	VK3ME, "	9.51
HPS, Panama	3.00	VPR2, Fiji	9.34
HRM, Honduras	3.47	VYRRC, Venezuela	9.80
HSEFP, Siam	9.20, 19.62	ZEUS, Mexico	7.28
HVJ, Manila City	15.19	XETU, "	6.12
JVK, Japan	14.6	ZBW, China	9.22
		ZBW, "	15.19

Time given is EST; for CST subtract one hour. 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 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—12:05 a.m.—JVI; 4:40, GSB, GSO; 4:45, TPA3; 7, TPA2; 7:55, GSG, GSH; 11:30, GSB, GSF; 1 p.m., GSH, GSD; 2:30, TPA3; 4, GSB, GSC, GSD; 4:15, OLR; 5:15, EAO; 6:40, HPS; 7, BAN; 7:40, GSB, GSC, GSD; 8, TPA4; 8:15, DJC, DJD; 9, LRS; 10, COCD; 10:40, GSB, GSC, GSD; 10:45, CJRO, CJRX; 11:20, TPA4.  
Daily except Sundays—6 a.m., VK3ME; 7:30, VK3LR; 9, ZRO4; 1:20 p.m., ZRO3; 6, ZRO3.  
Sun., Mon., Wed., Fri.—4 p.m., RNE.  
Sun., Tues., Wed., Fri., Sat.—8 a.m., ZBW (9.52 or 15.19).

Sunday, December 27

\*5:30 a.m.—Fib hour: VPD2  
\*7:40 a.m.—In Church of the Air: COCQ  
\*8 a.m.—Variety hour: DJL  
\*10:30 a.m.—Vatican City signals: HVJ  
11 a.m.—Plantation songs; BBC men's chorus; Joseph Farrington, bass; GSB GSF GSH  
1:30 p.m.—Reginald Foort, organist; GSB GSD  
\*2:25 p.m.—Czechoslovak songs; OLR (11.84)  
3 p.m.—Program for Newark News Radio Club: ZRO3  
4 p.m.—Overseas hour (Atlanta): JZK JZL  
4:20 p.m.—Betty Humba, pianist, and Leonard Givins, tenor; GSB GSD GSI  
\*4:30 p.m.—Musical program: LRU  
\*4:55 p.m.—Listener greetings: DJC DJD  
\*5 p.m.—Variety program: LRS  
5:15 p.m.—Progress at the Pan-American Conference: WIXAL (6.04)  
\*5:30 p.m.—Setting-up exercises: JVI  
\*7 p.m.—Moscow broadcast: BAN  
\*7:15 p.m.—Sound pictures: DJC DJD  
8 p.m.—Two Hours with Cuba: COCQ  
8:30 p.m.—Royal Hawaiian band: KKP  
9 p.m.—Drama, "Forgotten Footsteps": CJRO CJRX  
9:15 a.m.—Orchestral concert: DJC DJD  
10:05 p.m.—"Memoirs of Christmas in Wales," Rev. H. Ebert Lewis; GSB GSC GSD  
\*12 mid.—Overseas hour (Pacific): JVI JZK

Key to Symbols used: \*Daily; †Week Days; ‡Monday and Wednesday.

Monday, December 28

11 a.m.—Suzuki recital; Cyril Perfect, violinist; Elsa Jordan, piano; GSB GSF GSH  
12:30 p.m.—Polish hour: SPW  
2:20 p.m.—Entertainment Parade: GSB GSD GSI  
4 p.m.—Review of the week; Russian lesson: RNE  
5 p.m.—Argentina hour: LSN  
5:15 p.m.—Fritz Haas Behbeh, songs: DJC DJD  
5:30 p.m.—Brazilian hour: FRFB  
6:15 p.m.—Bhadrau Carleon, songs: GSB GSC  
6:30 p.m.—Italian Fed. Women's Clubs: ZRO3  
7 p.m.—Folk songs sung by children; brass band; radio play; concert: OLR (11.84)  
7 p.m.—OPERATIC selections: ZRO3  
7:15 p.m.—Folk songs: ZRO3  
7:30 p.m.—"Ghosts": DJC DJD  
8 p.m.—Message by the Duke of Kent: GSB GSC  
8 p.m.—National Railways program: HJU  
7:30 p.m.—South American best: WIXAL (6.1)  
8:30 p.m.—Little German reader: DJC DJD  
8:45 p.m.—Amateur hour: YV2RC  
9:15 p.m.—Light music: DJC DJD  
10 p.m.—DX program: HJABE  
12:30 a.m.—Hawaii Calls: K10 KKH

Tuesday, December 29

12:30 p.m.—Adeleh Halls quintet, with Lola Gedon; GSB GSD GSI  
(Continued in Fourth Column)

# SHORT WAVES

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

Figures in parentheses denote megacycles.

THOSE fortunate enough to hear JVI (14.6), Nazaikai, Japan, Saturday, December 12, at about 9:45 p.m. EST (8:45 CST), thrilled to an exquisite and unexpected chorus, composed of hundreds of tiny, warbling birds. The Overseas Hour on Monday, December 14, from 4 to 5 p.m. EST (3 to 4 CST), was radiated over JZJ (15.16) . . . At 12:45 p.m. EST (11:45 a.m. CST) on Sunday, December 13, WXKE on 21.52 megs was so loud that to turn the volume on more than one-fourth was to court immediate disaster to the loudspeaker . . . For genuine old Hungarian melodies and Gypsy tunes, try HAT4 (9.125), Budapest, on Sunday afternoons from 6 to 7 p.m. EST (5 to 6 CST).

For the first time, as far as I know, a whole foreign network will transmit a goodwill program for listeners, when the entire Javanese N.L.R.O.M. network of nineteen stations, radiates a special New Year's program in English on January 2, at 7:15 a.m. EST (6:15 CST). Each listener sending in a correct report to the N.L.R.O.M. at Konigsplein Wes 5, Batavia-Centrum, Java, will receive an illustrated booklet describing radio activities in the Netherland Indies.

Listening the old year out and the new year in may be indulged in, not once, but many times, by fans who follow the gay and festive New Year's celebrations of many foreign lands as listed in our programs . . . The German chancellor, Adolf Hitler, will speak from Berlin, over the Zeesen stations on New Year's Day. At this time, the exact hour is still unknown.

The 34,000-watt station at Prague, Czechoslovakia, at present is using three non-directional aeriols constructed for different wave lengths, but has six directional beam aeriols under construction. Regular transmissions will begin soon. R. B. Oxrieder, of State College, Penn., believes Prague will continue to use the recently adopted frequency of 11.84 megs, since less interference is experienced with it. Prague also occasionally transmits on a frequency of 6.03 megs, reports Herbert Campbell, of Athens, Penn. . . To increase the range of Brussels, the Belgians are constructing a 40,000-watt transmitter to take the place of the 9,000-watt ORK used at present for daily contacts with the Belgian Congo . . . Radio-Vaticano, or HVJ at Vatican City, is destined to speak with real authority when its new 50,000-watt transmitter for North and South America and Asia is completed.

A new Asmara, Eritrea, station on approximately 14.5 megs is frequently heard calling Addis Ababa, Ethiopia, around 6:30 a.m. EST (5:30 CST), reports Joe Miller, of Brooklyn, N. Y.

OLE WINSTEDT, of NX2Z, at Hochstetter, Greenland, traveled 1,185 miles by dog sled between September, 1935, and May, 1936, so his amateur transmitter was not in operation during these months. It will be a bitter disappointment to many listeners to learn that the station they had logged as NX2Z, Greenland, was in reality a "bootleg" station operated at an unknown location by a man named Jerry Reed.

Soviet Russia is encouraging the use of amateur transmitters, of which already there are some 500 in that country. The title, "Sniper of the Ether,"

will be conferred on any amateur who establishes communication with all regions of the U.S.S.R. and all of the world's continents. A "Master of Short-Wave Connections" must in addition have carried out experimental work for at least five years.

NBC has inaugurated a daily-except-Sunday program at 8 p.m. EST (7 CST), directed to South America which is being radiated over WXKAL (6.1) of Bound Brook, N. J. On January 1, a new directional beam antenna will be brought into use. On Mondays, in collaboration with Cine Mundial, a New York Spanish public relation devoted to movie news, NBC presents a variety program. Vaughn de Leath, popular singer, is featured on Wednesdays, while on Thursdays Joseph Littau and his orchestra is aired. A woman's page is broadcast on Fridays and The Three Silhouettes, girl trio, is featured on Saturdays. News comments in Spanish are given daily.

The Hong Kong transmitter that is so well heard these days has a power of only 2,400 watts.

An almost incredible reception feat must be chalked up for Clyde Griswell, of Phoenix, Ariz., who has just received a letter from the Treasury Department in New York City, verifying his reception of its new transmitter located in the New York assay office and mint. An official, in writing Griswell, states the station will be testing around 12 noon EST (11 a.m. CST), for a few weeks. And now for the big shock—this station, which has no call letters, operates on a wave length close to five meters!

MY LONDON correspondent, Roland Stansfield, writes: "I saw television the other day in the Waterloo Railway station viewing-room. Reception was excellent. Transmission was by the indirect method in which performers are first filmed by a process linking about one minute to develop and print. Direct or indirect methods are said to be equally good indoors but the indirect method is better outdoors. The chief drawback is in the small size of the viewing-screen since the images of but two or three people fill it. Operating the set isn't so difficult as you would expect since with only one station, it is unnecessary to touch most of the knobs. I had another look-in at an Oxford Street store, but white blotches, presumably static, marred reception."

The Chicago Short Wave Radio Club lists information concerning CX44, new at Montevideo, Uruguay. The station, operating on a frequency of 6.125 megs, relays broadcast station CX6, "Estacion Oficial," from 3 to 10 p.m. EST (1 to 9 CST) . . . HJ4ABP (6.033) at Medellin, is now the most powerful station in Colombia. It boasts 2,500 watts.

OER2, the Ravag station at Vienna, Austria, has definitely moved to a frequency of 11.8 megs where it is broadcasting daily except Saturdays from 9 a.m. to 5 p.m. EST (8 a.m. to 4 p.m. CST) and on Saturdays from 9 a.m. to 2 p.m. EST (8 a.m. to 1 p.m. CST). Although OER2 has a power of 1500 watts it is seldom heard except along the eastern coast of the United States.

The mysterious Mexican short-wave station on 6.115 megs has been identified by August Balbi, of Los Angeles, Calif., as XETU of Guadalajara. Other reports claim the call letters are XECU.

(Continued from First Column)  
2:15 p.m.—Alfredo Campoli trio; GSB GSD GSI  
2:30 p.m.—BBC Scottish sect.; GSB GSD GSI  
4:20 p.m.—Perry Jones, tenor; GSB GSC GSD  
5 p.m.—Women's hour; DJC DJD  
6 p.m.—OPERA, "THE PLAND," Dances d'Albert; DJC DJD  
6:30 p.m.—Operatic selections; ZROJ  
6:30 p.m.—"Bristol and Beyond." A program from three of the western counties; Soccer set, Willshire and Barrett; GSB GSC GSD  
7 p.m.—Philharmonic string trio; David Martin, violin; James Whitehead, cello; Alfred Watson, soprano; GSB GSC GSD  
7:30 p.m.—From the latest operettas; DJC DJD  
8:30 p.m.—Hafael Ramirez' sect.; YV2RC  
8:45 p.m.—In the sunbaker's crisp little house; DJC DJD  
9 p.m.—Classical music; WZRL  
9:15 p.m.—Selections to musical riddles; DJC DJD  
11 p.m.—Program from Tahiti; FO8AA  
12:15 a.m.—"December Sketches of Japan," Ken Ito; JVI

Wednesday, December 30

11:50 a.m.—John MacArthur quintet; GSB GSF  
12:30 p.m.—Polish hour: SPW  
1:40 p.m.—BBC Military band; Margaret Balfour, contralto; GSB GSD GSI  
4 p.m.—Greetings to 1937; RNE  
5 p.m.—Play, "A Little Trip to the Schwanmerland"; DJC DJD  
6 p.m.—Frascat cabaret; DJC DJD  
6:15 p.m.—Coventry Friets, contralto; GSB GSC  
6:30 p.m.—Royal Carabiniers band; ZRO3  
6:55 p.m.—Johann Strauss program; BBC Empire orchestra; GSB GSC GSD  
7 p.m.—Happy Hour program; PCJ (9.59)  
7:15 p.m.—Light music; ZRO3  
7:30 p.m.—We end the year; DJC DJD  
8 p.m.—Friendship Salute; K10  
8:30 p.m.—Folk music; DJC DJD  
9 p.m.—Maestro Vianen, organist; GSB GSC GSD  
9:15 p.m.—The Tuzanos; YV2RC  
9:55 p.m.—Carroll Gibbons and the Orpheans; GSB GSC GSD  
12:15 a.m.—Year-End Sketches; JVI

Thursday, December 31

11 a.m.—NEW YEAR'S CELEBRATIONS in Hong Kong, China; ZBW  
12:15 p.m.—"Yesterday and Tomorrow," Lord Penning; GSB GSD GSI  
2:30 p.m.—Broadhurst septet; GSB GSD GSI  
4:35 p.m.—Children of the Stars; GSB GSC GSD  
5:15 p.m.—GRAND NEW YEAR PROGRAM; DJC DJD  
6 p.m.—NEW YEAR'S EVE PROGRAM; GSB GSC GSD  
6:30 p.m.—Auguste symphony sect.; ZRO3  
6:45 p.m.—Watch night services; GSB GSC GSD  
7 p.m.—New Year's celebrations; ZRO3  
7:15 p.m.—Tuscan songs; ZRO3  
7:45 p.m.—Aera orchestra; YV2RC  
8:45 p.m.—Em's melodies; YV2RC  
9 p.m.—Popular Ecuadorian music; PRADO  
10 p.m.—New Year's celebrations in Buenos Aires; LIX LSN  
11:30 p.m.—New Year in Venezuela; YV2RC  
12:15 a.m.—Special entertainment program for New Year's Eve; JVI  
3:45 a.m.—Chelsea Arts Ball; GSB GSO

Friday, January 1

11 a.m.—"The Four Winds," New Year's Day in the four corners of the earth; GSB GSF GSI  
12:30 p.m.—Polish hour: SPW  
1:20 p.m.—Richard Cross' Orch.; GSB GSD GSI  
2:30 p.m.—Lauri Wylie's, "Wireless Puppets"; GSB GSD GSI  
4 p.m.—A Belshazzar New Year; RNE  
5:10 p.m.—A talk by Director of the Empire Service; GSB GSC GSD  
5:25 p.m.—Joe Lays' band; GSB GSC GSD  
6 p.m.—"A Scottish Notebook," John R. Allan; GSB GSC GSD  
6:30 p.m.—Concert of Russian music; BBC Empire orchestra; GSB GSC GSD  
7 p.m.—Midnight Voice, Amy Bernardy; ZRO3  
7:15 p.m.—IBC trio; YV2RC  
8:45 p.m.—Concert orch.; guest artists; YV2RC  
9 p.m.—England vs. Australia, cricket; GSB GSD GSD  
9:15 p.m.—Empire Magazine review; GSB GSC GSD  
11 p.m.—New Year's Press, from Tahiti; FO8AA  
12 mid.—KDKA DX Club; WEXK (6.14)

Saturday, January 2

10 a.m.—Microphone debutantes; PH  
10:45 a.m.—Carroll Gibbons and the Orpheans; GSB GSF GSI  
12:15 p.m.—Play, "St. Michael's Mount"; GSB GSD GSI  
2:30 p.m.—In Town Tonight; GSB GSD GSI  
4:15 p.m.—Speeches at the Walle Society Dinner; GSB GSC GSD  
4:30 p.m.—Dance music; LRU  
4:50 p.m.—Music Hall; Howard Rogers and the BBC Variety orchestra; GSB GSC GSD  
5:30 p.m.—League of Nations; HBL IHM  
6 p.m.—Dance music; LRS  
6 p.m.—Henry Hall's hour; GSB GSC GSD  
7:25 p.m.—"Seven Years in Sail," Captain J. J. Caserio; GSB GSC GSD  
7:45 p.m.—The theater of the air; YV2RC  
9:15 p.m.—Recital of old English songs; GSB GSC GSD  
10 p.m.—English hour; HMABB  
10:15 p.m.—Fred Hartley's quintet; GSB GSC GSD



**Log of Foreign Stations Whose Programs Are Listed**

(Megacycles or thousands of kilocycles shown)

GEC, Chile	10.07	JZJ, Japan	9.83
CJRO, Canada	6.35	ZKX, "	13.16
CJRX, "	11.79	KIO, Hawaii	11.08
COCQ, Cuba	4.13	IKRH, "	7.89
COCO, "	8.61	KKP, "	14.62
COCQ, "	8.75	LBU, Argentina	15.29
DJB, Germany	18.2	LXX, "	9.68
DJC, "	6.02	LXX, "	10.35
DJD, "	11.77	OLR, Czechoslovakia	15.11
DJL, "	15.11	vakla 6.03, 11.84, 15.32	
EAQ, Spain	9.87	PCJ, Holland	9.59, 15.22
FOAAA, Tahiti	7.11	PHI, "	11.73
GSM, England	9.51	PRADO, Ecuador	6.42
GBC, "	8.58	PRF, Brazil	9.50
GSD, "	11.22	RAS, Russia	9.10
GSR, "	12.14	RNE, "	12.90
GSO, "	17.79	RV59, "	6.00
GSN, "	21.47	SFW, Poland	13.44
OSI, "	18.26	TFF, Iceland	15.23
GSI, "	6.11	TIPG, Costa Rica	6.41
GSO, "	15.18	T14NRH, "	8.87
GSP, "	15.31	TPA2, France	15.24
HASD, Hungary	15.37	TPA1, "	11.38
HAT, "	9.12	TPA4, "	11.71
HRL, Switzerland	3.60	TRO3, Italy	9.435
HJABW, Ecuador	7.80	TR04, "	11.81
HJABP, "	9.30	VE9DN, Canada	9.963
HJABR, "	6.00	VK3ME, Australia	9.59
HJABE, Colombia	9.25	VK3ME, "	9.58
HJU, "	9.51	VK3ME, "	9.51
HPS, Panama	8.00	VEDE, Fiji's	9.54
HRN, Honduras	8.87	YFRC, Venezuela	5.70
HSBPJ, Siam 9.25	10.02	XECR, Mexico	7.20
HVJ, Yastan City	15.12	XEPT, "	6.12
JVM, Japan	14.0	ZBW3, China	9.525
JVN, "	10.68	ZW4, "	15.10

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**News Broadcasts**

Daily—12:05 a.m., JVB; 4, GSB, GSC, GSO; 4:45, TPA3; 7, TPA2; 7:55, GSB, GSC, GSH; 11:30, GSB, GSP; 1 p.m., GSR, GSD, GSI; 2:30, TPA3; 4, GSB, GSC, GSD; 4:15, OLR; 5:15, EAQ; 6:40, HPS; 7, RAN; 7:40, GSB, GSC, GSD; 8, TPA4; 8:15, DJC, DJD; 9, LRX; 10, COCQ; 10:40, GSB, GSC, GSD; 10:45, CJRO, CJRX; 11:20, TPA4.  
Daily except Sundays—6 a.m., VK3ME; 7:30, VK3LR; 9, TR04; 1:20 p.m., TR03; 6, TR03. Sun., Mon., Wed., Fri.—4 p.m., RNE, RV59. Sat., Tues., Wed., Fri., Sat.—8 a.m., XJW (9.52 or 15.19).

**Sunday, January 3**

\*5:30 a.m.—Fib hour: VPD2  
\*7:40 a.m.—Int'l Church of the Air: COCQ  
\*8 a.m.—Variety hour: DJL  
\*10:30 a.m.—Vatican City topics: HVJ  
11 a.m.—The Celebrity Trio: GSB GSF GSH  
12:30 p.m.—Leslie Jeffries' orch.: GSB GSF GSH  
1:40 p.m.—Iceland broadcast: TF4  
\*2:25 p.m.—Czechoslovak variety program: OLR (11.84 or 6.03)  
4 p.m.—A Soviet here at the microphone: RV59  
\*4 p.m.—Overseas hour (Atlantic): JZJ JZK JZJ  
\*4:30 p.m.—Musical program: LBU  
4:49 p.m.—BBC Symphony orch.: GSB GSC GSD  
4:55 p.m.—Listener greetings: DJC DJD  
\*5 p.m.—Variety program: LRX  
6 p.m.—BEETHOVEN'S SONATAS for cello and piano: GSB GSC GSD  
6:30 p.m.—Episcopalian services from Ely Cathedral: GSB GSC GSD  
\*7 p.m.—Moscow broadcast: RAN  
\*7:15 p.m.—Sound pictures: DJC DJD  
8 p.m.—Two Hours with Cuba: COCO  
8:30 p.m.—Iloilo Human band: KKP  
9:15 p.m.—H. M. Goldstream Guards band: GSB  
\*9:30 p.m.—Dance music: LRX  
\*12 mid.—Overseas hour (Pacific coast) JVB JZJ  
3:30 a.m.—Cricket: England vs. Australia: VK3ME GSB GSO GNP

Key to Symbols used: \*Daily; †Week Days; \$Monday and Wednesday.

**Monday, January 4**

12:30 p.m.—Yzerlin Krein's Gypsy orch.: GSB  
12:30 p.m.—Polish hour: SPW  
1:40 p.m.—BBC Scottish orch.: GSB GSD GSI  
2:20 p.m.—Music Shop: GSB GSD GSI  
4:20 p.m.—Viola rental by Brata: GSB GSC  
5 p.m.—Argentina hour: PHF5  
5:30 p.m.—Brazilian hour: PHF5  
6 p.m.—"When Rhodes Went to Rhodesia": GSB GSC GSD  
6:30 p.m.—OPERA, "FALSTAFF," Verdi: TR03  
6:45 p.m.—Hilge Rowansea, operatic arias: DJC  
7 p.m.—Margaret Faw, piano: GSB GSC GSD  
7:15 p.m.—Neapolitan songs: TR03  
7:25 p.m.—Mail bag: TR03  
7:30 p.m.—Rafael Guinand's orchestra: YVZRC  
7:40 p.m.—Pan-American variety: W3NAL (6.1)  
7:45 p.m.—National Railways program: IHU  
8:30 p.m.—Lite Gannan reader: IMC DJD  
8:45 p.m.—Amateur hour: YVZRC  
9:15 p.m.—Leslie Bridgewater Quintet: GSB GSC GSD  
10 p.m.—DX program: HJABE  
10:10 p.m.—The Four Winds: GSB GSC GSD  
12:30 a.m.—Hawaii Calls: KKII

**Tuesday, January 5**

12:30 p.m.—Serge Krish septet: GSB GSC GSD (Continued in Fourth Column)



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

**M**ORNING reception from Europe is enjoyable at present. The North American program from Germany, starting at 8 a.m. EST (7 CST) and radiated by DJL (15.11), always comes through with excellent strength. Not a single announcement mars the continuity of the musical selections. Reception from England is best over GSF (15.14), starting at 9 a.m. EST (8 CST).

Signal strength from the Latin broadcasters, monopolizing the dials of evenings, has reached its peak. With such an endless variety of interesting programs to choose from it is hard to pick the winners. My own selection, which may differ from yours, is: LRX (9.66), Buenos Aires, Argentina; HJABP (9.616), Cartagena, Colombia; YVZRC (5.8), Caracas, Venezuela, and HRD (6.235) of La Ceiba, Honduras. A rarely logged station, VP3MR (5.985) of Georgetown, British Guiana, was heard signing off on Thursday, December 17, at 8:42 p.m. EST (7:42 CST). The signature was Ted Lewis' recording of the "Good Night Song" which was followed by the familiar "God Save the King."

Rudolph Kure, native-born Swiss of Cincinnati, informs me that starting on Saturday afternoon, January 9, at 7 p.m. EST (6 CST), and each week thereafter, The Swiss Radio Society of Berne, Switzerland, will send a program to their countrymen in North and South America employing Geneva stations HBL (9.595) and HBP (7.797). The best in Alpine yodeling now will be heard.

The Sunday program from Reykjavik, Iceland, over TFJ (12.235), now may be heard from 1:40 to 2:10 p.m. EST (12:40 to 1:10 p.m. CST).

A new Costa Rican, with call letters which are believed to be TIMS is being heard on a frequency of 5.905 megs. The station signs off in English at 11 p.m. EST (10 CST).

The new call of CO9WR (6.282) of Sancti Spiritus, Cuba, is COHB.

**L**AATEST information from the Dominican Republic discloses that HI1S (6.42), "La Voz de la Hispaniola," has moved to Santiago de los Caballeros, where a new 200-watt transmitter is being installed. HI4V (6.475) has moved from the congestion of Trujillo City to the comparative quiet of beautiful San Francisco de Macoris. HI8Q (6.197) of Trujillo City apparently has left the air but may occasionally be heard using the facilities of HI4D (6.555), from whom it leases time. HI0B of Santiago is on a new frequency of 5.884 megs.

As accurate as the first stroke of Big Ben for setting your watch, so are our own time signals in Arlington, Virginia, which may be heard almost every hour daily except Sunday on 9.25 megs. For the moon (EST) signals three frequencies are used, namely, 8.15, 12.225 and 16.3 megs, while at midnight (EST) the frequency used is 4.287 megs.

That new Mexican, XECW (6.045), heard from 9 p.m. to 1 a.m. EST (8

p.m. to 12 mid. CST) announces in both Spanish and English, according to R. B. Oxrieder, of State College, Pa. . . . HJ4ABH (9.52) of Armenia, Colombia, plays a recording of "Indian Love Call" and announces in English just before signing off at about 9:30 p.m. EST (8:30 CST) . . . A Mexican station, announcing both as XE2II and XEX, is being heard on 6.2 megs.

W6XKG (31.6) of Los Angeles, Calif., offers radio news and DX tips on Mondays, Wednesdays and Fridays at 2 p.m. EST (1 CST).

The afternoon schedule from Prague, Czechoslovakia, commencing at 2:25 p.m. EST (1:25 CST) is heard on 6.03 megs.

CSW (9.84), at Lisbon, Portugal, is regularly starting daily as early as 3 p.m. EST (2 CST) and occasionally as early as 1:30 p.m. EST (12:30 CST), writes George Ebbecke, of Philadelphia. EAQ (9.86) of Madrid, Spain, is often on the air from 3 to 5 p.m. EST (2 to 4 CST) in addition to its usual evening schedule. Despite the city's state of siege, the station requests reports of reception, which should be sent to P. O. Box 951, Madrid, Spain.

E. Nicolassy, of New York City, reports hearing EAPAH, "Radio Tctuan" of Ceuta, Spanish Morocco, on an announced frequency of 6.005 megs, broadcasting music and personal messages to various persons in Spain from 4:30 to 7 p.m. EST (3:30 to 6 CST).

W2XAF (9.53) and W2XAD (15.33) at Schenectady, N. Y., will inaugurate "The Chapel Organ" program series on Saturday, January 9 at 1 p.m. EST (12 noon CST). Dr. Elmer Tidmarsh, well known in musical circles and who spends his Summers in Fontainebleau, France, studying under Vidor and Dupre, will be at the console.

Balkan broadcaster YTC (6.1), Belgrade, Yugoslavia, widely reported throughout the East, comes on at 1 a.m. EST (12 mid. CST) with a reading of the latest news, then the morning's concert, and news in Serbo-Croatian at 2:30 a.m. EST (1:30 CST) and in Yugo-Slav at 2:45 a.m. EST (1:45 CST). The early transmission is concluded at 3 a.m. EST (2 CST), although the station broadcasts irregularly throughout the day until 5 p.m. EST (4 CST).

**F**OLLOWING the tremendous success of a Zecken program dedicated to Texas, Germany has decided to institute similar shows for other sections of the United States, including later this month a program for the New Yorkers; in February, a program for the Pacific Coast, and in March, one for New England. The Germans have cordially invited the cooperation of all listeners in the regions to be serenaded, asking for suggestions and suitable material. Letters should be addressed to the German Short-Wave Station, Broadcasting House, Berlin, Germany.

Answering the query of Herbert Clark, Middletown, Conn.: The station you heard over which a man and a woman were engaged in what sounded like a telephone conversation in some foreign language was RIO (10.16) of Baku, U. S. S. R., a commercial telephone station . . . Answering Miss N. R. Smith of Owensboro, Ky.: The mysterious Costa Rican on 31 meters that you heard announcing as "The Smallest Station in the World" was T14NRH (9.698) of Heredia, Costa Rica.

(Continued from First Column)  
1:55 p.m.—Reginald Fomet, organ: GSB GSC GSD  
2:30 p.m.—Northumbrian music; Archie Armstrong, baritone; Jack Armstrong, Northumbrian pipe: GSB GSC GSD  
2:50 p.m.—Carroll Lewis and his discoveries: GSB GSC GSD  
5 p.m.—German poets and musicians read New Year greetings: DJC DJD  
6 p.m.—Amateur hour: COCO  
6:15 p.m.—Synopated interlude; John Hilly and Olive Richardson, with two pianos: GSB GSC GSD  
6:30 p.m.—Empire Magazine review: GSB GSC GSD  
7 p.m.—Chamber music; Boudle Mearns and Beatrice Carole, violin; John Yewes Dyer, viola; Ivor James, cello: GSB GSC GSD  
8:30 p.m.—Rafael Ramirez and the Continentals: YVZRC  
10:15 p.m.—Variety: Australian artists: GSB GSD  
11 p.m.—Program from Tahiti: FOAAA

**Wednesday, January 6**

10:30 a.m.—Joy Bridgens, piano: GSB GSF GSH  
12:30 p.m.—Polish hour: SPW  
1:20 p.m.—Auldride Beattie, soprano, and David Richardson, baritone: GSB GSD GSI  
1:40 p.m.—BBC Northern orchestra: GSB GSD  
3:10 p.m.—Dennis Chapman, organ; talk on the Great Hall of Manchester: GSB GSD GSI  
4 p.m.—Talk, winter sports; sports songs; world affairs: RV59  
4:20 p.m.—Twelve Months Back: GSB GSD GSC  
6 p.m.—BBC Empire orchestra: GSB GSC GSD  
6:30 p.m.—Augustica orchestra, Ferruccio Calasio: TR03  
7:15 p.m.—19th century compositions: TR03  
7:30 p.m.—Account of the weaving school run by the League of German Girls: DJC DJD  
8 p.m.—Friendship Saboteur: KIO  
8:30 p.m.—World news, Editor Frit-che: DJC  
9 p.m.—Tovar brothers, songs: YVZRC  
9:15 p.m.—The Tringanos: YVZRC  
10:10 p.m.—Policesen off duty: GSB GSC GSD

**Thursday, January 7**

11:15 a.m.—Louise Willoughby, violin: GSB GSF GSH  
12:15 p.m.—"This is England," Dan Cembes of Whitshire: GSB GSD GSI  
1:20 p.m.—Greenham Rogues: GSB GSD GSI  
1:40 p.m.—BBC Military band: GSB GSD GSI  
2:50 p.m.—BBC Symphony orchestra; Antonin Brosa, violin: GSB GSD GSI  
5:15 p.m.—Tour through Schwabland: DJC DJD  
6 p.m.—Jelly d'Aranyi, violin: GSB GSC GSD  
6 p.m.—The Short Wave Station Looks Backwards: Review of the radio year 1936: DJC  
6:30 p.m.—Children of the Stars: GSB GSC GSD  
7 p.m.—Variety program for North America: OLR (11.84 or 6.03)  
8:45 p.m.—Kno's melodies: YVZRC  
9 p.m.—BBC Empire orchestra; Elsie Suddaby, soprano: GSB GSC GSD  
9 p.m.—Popular Ecuadorian music: PRADO  
10 p.m.—Talk, "When Rhodes Went to Africa": GSB GSC GSD

**Friday, January 8**

12:30 p.m.—Polish hour: SPW  
1:25 p.m.—Sydney Torch, organ: GSB GSD GSI  
2 p.m.—Maurice Cole trio; Winifred Small, violin; Kathleen Moorhouse, cello; Maurice Cole, piano: GSB GSI GSD  
2:30 p.m.—"Bees in the Bonnet," by the Gomeri: GSB GSD GSI  
4 p.m.—Talk, "Behind the counter in Soviet shops"; accordion music; Russian lesson: RV59  
6 p.m.—Dance music: GSB GSC GSD  
6:30 p.m.—OPERA, "MADAME SANS GENE," U. Giordano: TR03  
7 p.m.—"Rome's Midnight Voice," Amy Bernard: TR03  
7:15 p.m.—Folk songs: TR03  
8:45 p.m.—Concert orchestra; Venezuelan guest artists: YVZRC  
8:45 p.m.—The Leipzig Spring Fair 1937: DJC  
9 p.m.—BBC Military band: GSB GSC GSD  
9:35 p.m.—Celebrity trio; Bessie Jones, soprano: GSB GSC GSI  
10:10 p.m.—John Loustener at home: GSB GSC  
11 p.m.—Program from Tahiti: FOAAA  
12 mid.—DX Club: W6XK (6.14)

**Saturday, January 9**

12:15 p.m.—A. A. Milne, poems and songs: GSB GSD GSI  
12:30 p.m.—Story, "The Magic Fishbowl," Charles Dickens: GSB GSD GSI  
1 p.m.—The Chapel organ: W2XAD (15.33)  
2:30 p.m.—In Town Tonight: GSB GSD GSI  
3 p.m.—ACT I OF OPERA, "THE MARRIAGE OF FIGARO," Mozart: GSB GSD GSI  
4:20 p.m.—Music hall: GSB GSC GSD  
4:30 p.m.—Dance music: LBU  
5:30 p.m.—League of Nations: HBL HBP  
6 p.m.—Dance music: LRX  
6 p.m.—The Old Folks at Home: GSB GSC GSD  
6:45 p.m.—Topical review: GSB GSC GSD  
7 p.m.—Variety program for North America: HBL HBP  
7:25 p.m.—"Suggestions for your Book List," Helen Simpson: GSB GSC GSD  
8:30 p.m.—Fairy melodrama, "Porcelain": DJC  
9 p.m.—Popular dance tunes of today: GSB GSC GSD  
9:40 p.m.—Fonzielli; Portsmouth vs. West Bromwich Albion: GSB GSC GSD  
10 p.m.—English hour: HJABP  
10 p.m.—Loris Bloedel, violin: GSB GSC GSD  
11 p.m.—Messages for the Far North: VE9DN

Do you have a friend who has a new all-wave set and doesn't know how to operate it? Tell him to read the article: "A-B-C's of Short-Wave Tuning" on Page 46 of this issue.



Log of Foreign Stations Whose Programs Are Listed

(Mega-cycles or thousands of kilocycles shown)			
CEC, Chile	10.67	JZJ, Japan	11.80
CJRO, Canada	8.18	JZJ, Japan	15.16
CJRX, Canada	11.72	KIO, Hawaii	11.68
COCD, Cuba	6.12	KKH, "	7.18
COCO, "	6.01	KKP, "	10.23
COCQ, "	6.75	LRY, Argentina	10.25
DJB, Germany	15.2	LRX, "	9.86
DJC, "	6.02	LXK, "	10.35
DJD, "	11.77	OLR, Czechoslovakia	11.82
DJL, "	15.11	OLR, 9.55, 11.84, 15.22	
EAQ, Spain	8.67	ORK, Belgium	9.55
FOAAA, Tahiti	7.11	PCJ, Holland	9.69, 15.22
GSA, England	6.03	PHI, "	11.73
GSD, "	9.64	PRADO, Ecuador	9.69
GSO, "	9.54	PRF5, Brazil	3.10
GSD, "	11.76	RAN, Russia	9.40
GSE, "	10.14	RNE, "	15.40
GSP, "	17.79	RV15, "	4.273
GSM, "	12.47	RV19, "	15.44
GST, "	15.26	SPW, Poland	15.24
GST, "	6.11	TF2, Iceland	12.23
GSO, "	15.18	TFPO, Costa Rica	6.41
GSP, "	15.21	TG2RZ, "	9.67
HAE, Hungary	15.27	TPA4, France	15.24
HATA, "	9.12	TPA4, "	11.88
HBL, Switzerland	9.60	TPA4, "	11.71
HBP, "	7.85	ZRO3, Italy	9.825
HCCZC, Ecuador	6.29	ZRO4, "	11.11
HCCNL, "	6.08	VEEDN, Canada	6.005
HJABE, Colombia	9.3	VKME, Australia	9.59
HJABF, "	6.61	VKSLR, "	9.58
HJU, "	9.51	VKME, "	9.51
HJF, Panama	9.90	VPDR, Fiji	9.719
HRN, Honduras	8.67	YV2RC, Venezuela	5.80
HSAF, Siam	9.25, 10.02	XECC, Mexico	7.58
HVJ, Yafalon City	15.13	XEPF, "	6.17
JVH, Japan	14.4	ZBW7, China	9.825
JVN, "	10.66	ZBW4, "	15.19
JZJ, "	9.83		

Time given in EST; for GSD subtract one hour. Short-wave programs of American stations are shown along with the regular listings beginning on page 30. These are indicated, for example, by (9-11.87) 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—12:05 a.m., JVH; 4:40, GSB, GSC, GSO; 4:45, TPA3; 7, TPA2; 7:55, GSB, GSC, GSH; 11:30, GSB, GSF; 1 p.m., GSB, GSD, GSI; 2:30, TPA3; 4, GSB, GSC, GSD; 4:15, OLR; 5:15, EAQ; 6:40, HPSJ; 7, RAN; 7:40, GSA, GSB, GSC; 8, TPA4; 8:15, DJC, DJD; 9, LRX; 10, COCD; 10:40, GSB, GSC, GSI; 10:45, CJRO, CJRX; 11:20, TPA4.

Daily except Sundays—6 a.m., VK3ME; 7:30, VK3LR; 9, ZRO4; 1:20 p.m., ZRO3; 6, ZRO3.

Sun., Mon., Wed., Fri.—4 p.m., RNE, RV39.

Sun., Tues., Wed., Fri., Sat.—8 a.m., ZBW (9.52 or 19.5).

Sunday, January 24

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

\*6:45 a.m.—All-continents round table: 20-meter (15.0 megs) amateurs

\*7:40 a.m.—Int'l Church of the Air: COCQ

\*8 a.m.—Variety hour: DJL

\*9:30 a.m.—Concert: OLR (11.84)

\*10:30 a.m.—Yafalon City topics: HVJ

\*11:00 a.m.—Symphonic concert: DJB

12:45 p.m.—Fred Hartley's quintet: GSB GSD GSI

\*1:30 p.m.—Program from Belgium: ORK

1:40 p.m.—Iceland hour: TF2

2:25 p.m.—May Busby, soprano, and Lanor Dosser, pianist: GSB GSD GSI

\*2:25 p.m.—Czechoslovak variety prgm.: OLR (6.03 or 9.55)

\*4 p.m.—Overseas hour (East): JVN JZJ

\*4:55 p.m.—Latterer preludes: DJC DJD

\*5 p.m.—Variety program: LRX

6 p.m.—Kerbert Welkner piano quintet: GSA

6:15 p.m.—Our Sunday concert: DJC DJD

6:30 p.m.—Religious services: GSA GSB GSC

6:45 p.m.—BBC Empire orchestra; Janet Hamilton-Smith, soprano: GSA GSB GSC

\*7 p.m.—News broadcast: RAN

\*7:15 p.m.—Sound pictures: DJC DJD

8 p.m.—Two Hours with Cuba: COCO

8:30 p.m.—Royal Hawaiian band: KKP

9:15 p.m.—Military concert: DJC DJD

\*9:30 p.m.—Dance music: LRX

10 p.m.—Music Appreciation Hour: HRN

10:20 p.m.—Song recital; Vera Siddons, soprano; Therpe Bates, baritone: GSB GSC GSI

\*12 mid.—Overseas hour (Pacific coast): JZJ

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

Monday, January 25

7 a.m.—Siamese broadcast: HSBPJ (9.35)

12:30 a.m.—Polish hour: SPW

1:20 p.m.—English letter box: ZRO3

2:20 p.m.—Entertainment parade: GSB GSD GSI

3 p.m.—Van Phillips' arch.: GSB GSD GSI

3:30 p.m.—Celebration of the 178th anniversary of Robert Burns: GSB GSD GSI

4:40 p.m.—Daisy Kennedy, violinist: GSB GSC

5 p.m.—Hello, New York: DJC DJD

5:15 p.m.—Duet in A major by Schubert; Edith von Veitlander: DJC DJD

5:30 p.m.—Brazilian hour: PRF5

6 p.m.—Surprise hour: DJC DJD

6:15 p.m.—Dance music: GSA GSB GSC

6:30 p.m.—Italian Professional Women's Club: ZRO3

7 p.m.—OPERA, "MIGNON," Thomas: ZRO3

7:30 p.m.—Rafael Gainand's orchestra: YV2RC

7:45 p.m.—Pan-American hour: WXAL (6.1)

8 p.m.—National Railways program: HJU

8:30 p.m.—Little German reader: DJC DJD

(Continued in Fourth Column)



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

Part II of the complete short-wave log appears this issue on Page 46. Be sure to save it! Back copies with Part I are available. Part III, to appear next issue, will complete the log.

(Figures in Parentheses Are Mega-cycles)

RECEPTION has been poor with the exception of the Latin broadcasters during the past few days. The Latins have been pounding in with seasonal excellence. . . . After weeks of promises, the Japanese radio officials have finally inaugurated the daily Overseas Hour for the East coast listeners from 4 to 5 p.m. EST (3 to 4 CST). Although the transmission is over both JZJ (11.8) and JVN (10.66), the latter is not being heard at present. Excellent English announcements are made at frequent intervals and the latest news reports are given at 4:45 p.m. EST (3:45 CST). Soft-toned chimes bring the broadcast to a close and it signs off with the Japanese national anthem. . . . The broadcast connected with the royal wedding of Princess Juliana of Holland and Prince Bernhard von Lippe Biesterfeld on the morning of January 7, was best heard over PCJ (15.22). Even though the Dutch language was used throughout, the strains of the wedding march, pealing of bells, betrothal vows, cheering and applause of the crowds made the broadcast very impressive. . . . The Friendship Salute from Hawaii over KIO (11.68), Kahuku, was heard on Thursday of last week at 9:30 p.m. EST (8:30 CST). Apparently this is a new schedule for this show. . . . GSD (11.75), Daventry, England, has been replaced in transmission six by GSL (6.11), commencing daily at 8 p.m. EST (7 CST).

THE dials are bristling with new Mexican broadcasters. XEBM (15.44), "El Progenitor del Pacifico," located at Mazatlan, Sinaloa, relays XEBL on Sundays, Mondays, Wednesdays and Fridays. The morning program ends at 10 a.m. EST (8 CST), the mid-day session concludes anywhere from 3:30 to 5 p.m. EST (2:30 to 4 CST), and the evening service lasts from 8 to 10:45 p.m. EST (7 to 9:45 CST). The interval signal is four chimes. . . . XEPW, "The Voice of the Aztec Eagle from Mexico," heterodynes W2XE on a frequency of 6.12 megs. The interval signal is five notes in ascending scale, followed by four notes struck on a gong. The schedule is 10 a.m. to 12 noon, 2 to 4 p.m. and 8 p.m. to 12 mid. EST (9 to 11 a.m., 1 to 3 p.m. and 7 to 11 p.m. CST). Reports should be sent to Apartado 8403, Mexico, D. F., says Earl Roberts of Indianapolis.

A new Mexican experimental station XEBH or XEBR, on 11.8 megs, is being heard in the afternoons, says L. D. Brewer, of Phoenix, Ariz.

Paul Dilg, Evanston, Ill., reports that SPW (13.635), Warsaw, Poland, is still on Mondays, Wednesdays and Fridays at 12:30 to 1:30 p.m. EST (11:30 a.m. to 12:30 p.m. CST). It always comes on at least five minutes before the start with an interval signal sounding like an old locomotive bell. At 12:30 p.m. EST (11:30 CST) the Polish national anthem is played. This is followed by news reports or a talk in Polish. The program is best near the end of the hour. . . . Mr. Dilg believes the Fiji station being heard around 6:30 a.m. EST (5:30 CST) is VPQ, an entirely different station from VPD2 (9.54). This may be the transmitter that was originally built for the new Perth, Australia, voice, VK6ME, but which was shipped to the Fijis. . . . An exceptionally good catch, ZHI (6.018) of Singa-

pore, Straits Settlement, may be tuned in Mondays near 6:30 to 7 a.m. EST (530 to 6 CST).

Charles Guilbert, Paris, France, notifies that "Radio Tetuan," in Spanish Morocco, is on from 1 to 7 p.m. EST (12 noon to 6 p.m. CST). The station, which provides chiefly news of the Spanish war, uses various frequencies between 6.5 and 7.165 megs.

ORK (10.33), Ruysselede, Belgium, comes through with excellent signals lately on its daily 1:30 to 3 p.m. EST (12:30 to 2 p.m. CST), broadcast to the Belgian Congo. . . . The mysterious Latin station operating on 9.95 megs, which caused so much comment in the eastern United States, has been identified as CMA5, Havana, Cuba. . . . JVH (14.6), Nazaki, Japan, has been broadcasting a musical program several evenings recently at 10:30 p.m. EST (930 CST). . . . HCZRL (6.635) of Guayaquil, Ecuador, is to be congratulated upon its policy of announcing in both Spanish and English.

The Chicago Short Wave Radio Club announces that its club programs over HJABE (9.5), Cartagena, Colombia, on Monday nights at 10 p.m. EST (9 CST), will hereafter be in the nature of contests with prize awards. . . . Station TIEP (6.687), San Jose, Costa Rica, is now using the slogan "La Voz del Istmo."

Due to ever increasing solar activity, Daventry, England, will soon inaugurate GSK on a frequency of 28.1 megs (11.49 meters), for day to Africa.

To create greater fellowship among listeners throughout the world, an International DX Convention will be held in San Francisco during July, 1939, in conjunction with the Golden Gate International Exposition. Although sponsored by the International DX-ers Alliance, all radio clubs, periodicals and radio organizations are being invited.

OLR, Prague, Czechoslovakia, has just switched to 5.55 megs for its daily programs from 2:25 to 4:30 p.m. EST (1:25 to 3:30 CST).

J. F. Satterthwaite, Toledo, Ohio, observes that the 20-meter amateur band is especially interesting at present. VEIKK, on the high-frequency side of the band and giving his location as Belle Isle, Labrador, is the first amateur ever to be logged from this far-north province. . . . John DeMyer, Lansing, Mich., tells me that a new amateur station ON4CGW, owned by a medical missionary at Tondo in the Belgian Congo, will soon be operating on 14.033 and 14.385 megs.

A new station HCNA (9.44), "La Voz de Almos," on the air at 10 p.m. EST (9 CST), with excellent volume, is reported by Warren Stark, Milwaukee.

ANSWERS: For F. W. Smock, Klemme, Iowa: Despite the report of the Department of Propaganda of the Brazilian Government, PPQ (11.67) is a commercial station, located near Rio de Janeiro, which maintains radio telephone communications with Rocky Point, N. Y., stations WCG and WET. . . . For John D. Ott, Watson, La.: The station you heard was KEZ (10.4), Belinas, Calif., not KFZ, one of the calls used by the Byrd Expedition in Little America. . . . For Louis L. Hooper, Washington, D. C.: Kindly refer to the short-wave column of Radio Guide dated Week Ending January 9 for information on Arlington time signals.

(Continued from First Column)

8:45 p.m.—Amateur hour: YV2RC

9 p.m.—Cellini trio: GSB GSC GSI

9:15 p.m.—Concert of light music: DJC DJD

10 p.m.—DX program: HJABE

12:30 a.m.—Hawaii Calls: KKH

3:15 a.m.—AUSTRALIA DAY! Snapshots from the life of Captain James Cook; A message by Hon. S. M. Bruce; Australian artists and musicians: GSB GSC GSO

Tuesday, January 26

12:30 p.m.—Bernard Crook quintet: GSB GSD

2:30 p.m.—Commentary on Bertram Mills' Circus: GSB GSD GSI

3:15 p.m.—C. H. Trevor, organist: GSB GSD GSI

4:40 p.m.—Reginald Foot, organist: GSB GSD GSI

5 p.m.—Sudeten-German homeland evening: DJC

5:25 p.m.—Dance music: GSB GSC GSI

6 p.m.—OPERA, "MONA LISA," Max von Schilling: DJC DJD

6:30 p.m.—Bristol and Beyond: GSA GSB GSC

8 p.m.—Surrey on the women's work: DJC DJD

8:30 p.m.—Orlando Barera, violinist: DJC DJD

9 p.m.—Roberto Aranguren, crooner: YV2RC

9 p.m.—Classical music: HCZRL

9:15 p.m.—Arnold Goldsbrough, organist: GSB

9:15 p.m.—Light music: DJC DJD

9:45 p.m.—A program about clocks: GSB GSC

10:15 p.m.—Gladys Williams, contralto, and John Turner, tenor: GSB GSC GSI

11 p.m.—Program from Tahiti: FOAAA

Wednesday, January 27

9:50 a.m.—Northern Ireland brass band; James Hepkisson, flute: GSB GSC GSI

1:40 p.m.—BBC Military band: GSB GSD GSI

2:15 p.m.—Palace of varieties: GSB GSD GSI

3:15 p.m.—Dance music: GSB GSD GSI

4 p.m.—Monthly scientific review; Music of the Crimean Tartars; Soviet opinion: RV39

4:20 p.m.—Talk, "Food for Thought": GSB GSC

4:50 p.m.—BBC symph. concert: GSB GSC GSI

5 p.m.—Chamber concert: DJC DJD

6 p.m.—Leslie Bridgewater harp quintet: GSA GSB GSC

6:30 p.m.—Royal Carabinieri band: ZRO3

7 p.m.—Happy Hour program: PCJ (9.59)

7:15 p.m.—Gober Hernandez' orchestra: YV2RC

8 p.m.—Bielefeld children's choir: DJC DJD

9 p.m.—Dance music: GSB GSC GSI

9:15 p.m.—New German books: DJC DJD

9:30 p.m.—Melodies from "Herbst und Hermetin," Will Fanta: DJC DJD

9:55 p.m.—The story of the Betty Martin: GSB GSC GSI

Thursday, January 28

12:15 p.m.—"This is England," G. C. Drake: GSB GSD GSI

2:20 p.m.—Ernest Lush, pianist: GSB GSD GSI

2:30 p.m.—Songs you might never have heard: GSB GSD GSI

4:50 p.m.—ROYAL PHILHARMONIC SOCIETY'S CONCERT: GSB GSC GSD

5 p.m.—You are Orplid, my Country: DJC DJD

5:15 p.m.—Vienna, its songs and sounds: DJC

6 p.m.—Military concert: DJC DJD

7 p.m.—Variety prgm. (N. America): OLR (6.03)

7:30 p.m.—Rafael Guineda's orchestra: YV2RC

7:45 p.m.—Aner orchestra: YV2RC

8:45 p.m.—Euo's melodies: YV2RC

9 p.m.—Popular Ecuadorian music: PRADO

9:15 p.m.—Solution to musical riddles: DJC DJD

9:30 p.m.—Friendship salute: KIO

10:15 p.m.—Frank Newman, organist: GSB GSC

3:20 a.m.—Cricket: England vs. Australia: GSB GSC GSO VK3LR

Friday, January 29

11 a.m.—Children of the stars: GSB GSF GSH

1:25 p.m.—York-Bowen, pianist: GSB GSD GSI

2:20 p.m.—Kentucky minstrels: GSB GSD GSI

4:20 p.m.—Excerpts from "Humpty Dumpty": GSB GSC GSD

5:15 p.m.—The strange master: DJC DJD

5:25 p.m.—Dance music: GSB GSC GSD

6 p.m.—Orchestral concert: DJC DJD

6:20 p.m.—Gracie Fields: GSA GSB GSC

6:30 p.m.—First radio tour around Italy: ZRO3

7:15 p.m.—IBC trio: YV2RC

8:30 p.m.—Works by Haydn and Mozart: DJC

9:15 p.m.—Dance music: DJC DJD

9:35 p.m.—Frank Walker octet: GSB GSC GSI

11 p.m.—Program from Tahiti: FOAAA

12 mid.—KDKA DX Club: WBXX (6.14)

Saturday, January 30

12:30 p.m.—Story, "The Showing Up of Larry the Lamb": GSB GSD GSI

1:45 p.m.—Callender's Senior band: GSB GSD GSI

2 p.m.—METROPOLITAN OPERA CO.: WXAL (17.78), W2XAD (15.33), W8XK (15.21)

2:30 p.m.—In Town Tonight: GSB GSD GSI

3 p.m.—OPERA, "THE BARBER OF SEVILLE," Bessini: GSB GSD GSI

4:30 p.m.—Dance music: LRU

5 p.m.—Military concert: DJC DJD

5:30 p.m.—League of Nations: HBL HBP

6 p.m.—Dance music: LRX

7 p.m.—Variety hour: HBL HBP

7:25 p.m.—"A Modern Voyage of Discovery," Captain K. M. MacKenzie: GSA GSB GSC

7:30 p.m.—Four years of the Third Reich: DJC DJD

7:45 p.m.—Theater of the air: YV2RC

9 p.m.—Aner orchestra: YV2RC

9:15 p.m.—Folk music: DJC DJD

10 p.m.—English hour: HJABF HJ4AB

11 p.m.—Messages to the far North: VEEDN







Log of Foreign Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CEC, Chile	16.67	Z2L	"	9.53
CZRO, Canada	6.15	Z2J, Japan	"	11.80
CZRX, "	11.72	Z2K, "	"	15.16
COCU, Cuba	6.12	Z1O, Hawaii	"	11.48
COCO, "	6.01	KKH, "	"	7.52
COCQ, "	9.75	KKP, "	"	16.03
DJB, Germany	15.8	JRU, Argentina	"	15.29
DJC, "	6.20	LRX, "	"	9.68
DJD, "	11.77	LXK, "	"	10.35
DJL, "	15.11	OLR, Czechoslovakia	"	11.84 and 9.55
EAQ, Spain	9.87	ORX, Belgium	"	10.23
EA9AH, Spanish Morocco	14.04	PHL, "	"	11.73
FO8AA, Tahiti	7.11	PRADO, Ecuador	"	6.68
GSA, England	8.85	PRF5, Brazil	"	9.15
GSD, "	9.58	RAN, Russia	"	9.40
GSG, "	11.75	RNE, "	"	10.00
GSP, "	15.14	RV15, "	"	12.73
GSS, "	17.78	RV19, "	"	6.00
GST, "	21.47	RV39, "	"	12.64
GSI, "	15.26	SPV, Poland	"	12.82
GSL, "	6.11	TEJ, Iceland	"	6.41
GSO, "	18.18	TIPC, Costa Rica	"	9.07
GSP, "	15.31	TIANR1, "	"	15.29
HASQ, Hungary	15.37	TPAE, France	"	11.85
HAT4, "	9.12	TPA3, "	"	11.71
HBL, Switzerland	9.00	TPA4, "	"	9.43
HBP, "	7.80	TR02, Italy	"	11.81
HCIW, Ecuador	8.30	TR04, "	"	6.00
HCR1, "	6.88	V3DN, Canada	"	9.59
HHS, Haiti	6.014	VKME, Australia	"	9.54
HJ1AE, Colombia	9.1	VKSL, "	"	9.51
HJ1ADP, "	9.018	VKME, "	"	8.719
HJU, "	9.51	VP22, Fiji	"	5.80
HPS, Panama	9.60	VY2C, Venezuela	"	7.38
HRN, Honduras	8.57	VY2C, Mexico	"	6.12
HSPJ, Siam 9.30	19.08	XEPT, "	"	9.45
HVJ, Vatican City	15.12	ZBWS, China	"	15.15
JVN, Japan	14.6	ZBW4, "	"	10.68

Time given is EST; for CST subtract one hour. Short-wave programs of American stations are shown along with the regular listings beginning on page 30. These are indicated, for example, by (S-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—12:05 a.m., JVIH; 4:40, GSB, GSC, GSO; 4:45, TPA3; 7, TPA2; 7:55, GSB, GSG, GSH; 11:30, GSB, GSV; 1 p.m., GSB, GSH, GSI; 2:30, TPA3; 4, GSB, GSC, GSD; 4:15, OLR; 5:15, EAQ; 6:40, HPSJ; 7, RAN; 7:40, GSA, GSB, GSC; 8, TPA4; 8:15, IMC, DJD; 9, LRX; 10, COCD; 10:30, DJC, DJD; 10:40, GSB, GSC, GSL; 10:45, CHIO, CJRX; 11:20, TPA4.  
Daily except Sundays—6 a.m., VK3ME; 7:30, VK3LR; 9, ZR04; 1:20 p.m., ZR03; 6, ZR03.  
Sun., Mon., Wed., Fri.—4 p.m., RNE, RV59.  
Sun., Tues., Wed., Fri., Sat.—8 a.m., ZBW (9.52) or 15.19).

Sunday, February 7

4 a.m.—English program from Siberia: RV15  
7 a.m.—BROADCAST BY POPE PIUS XI to Eucharistic Congress in Manila, Philippines: NDC, CBS, HV2 (15.12)  
7:40 a.m.—EAT Church of the Air: COCQ  
8 a.m.—Variety hour: DJL  
8:45 a.m.—Concert: OLR (11.84 or 11.87)  
10:30 a.m.—Vatican City topics: HV2  
11:10 a.m.—Symphonic concert: DJB  
11:30 a.m.—Program from Belgium: ORK  
12:25 p.m.—Czechoslovak prem.: OLR (6.01)  
1:30 p.m.—Latest news from Spain: EA9AH  
4 p.m.—Overseas hour (East coast): 4ZJ JVN  
4:30 p.m.—Musical program: LRU  
4:55 p.m.—Listener greetings: DJC DJD  
5 p.m.—Variety program: LRX  
6 p.m.—Virtuoso string quartet: GSA GSB GSC  
5:50 p.m.—BBC Theater orh.: GSA GSB GSC  
7 p.m.—Moscow broadcast: RAN  
7:15 p.m.—Sound pictures: DJC DJD  
8 p.m.—Two Hours with Cuba: COCO  
8:30 p.m.—Royal Hawaiian band: KKP  
9:30 p.m.—Dance music: LHX  
10 p.m.—Music appreciation hour: HRN  
10:20 p.m.—Songs of the English countryside: GSB  
12 mid.—Overseas hour (Pacific coast): JZJ

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

Monday, February 8

87 a.m.—Siamese broadcast: HSPJ (19.02)  
11 a.m.—Sonata recital: Edmund Hubber, pianist, and Antonette Hubber, violinist: GSB GSF  
12:30 p.m.—Polish hour: SPW  
1:20 p.m.—English letter box: ZR03  
4 p.m.—Preview of the week: The path to the university in the Soviet Union; Songs of happy youth: RV59  
4:20 p.m.—Eric H. Thimann, organist: GSB GSC GSD  
5 p.m.—Argentina hour: LSK  
5:30 p.m.—Brazilian hour: PHF5  
6 p.m.—Empire exchange talk: GSA GSB GSC  
6:30 p.m.—OPERA from "Scala": ZR03  
6:45 p.m. (ex. Sat.)—Jazz Leaf, Spanish commentator: WZXF (21.52)  
7:30 p.m.—A little evening entertainment: DJC  
7:45 p.m.—Pan-American hour: W3XAL (6.1)  
7:48 p.m.—National Railways program: HUI  
8:30 p.m.—Little German reader: DJC DJD  
8:45 p.m.—Amateur hour: YV2RC  
(Continued on Fourth Column)

# SHORT WAVES

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

Convenient "Clues to Identify Foreign Stations" will be found on Page 46 of this issue. All-wave tuners should save this list.—C. A. M.

(Figures in Parentheses Are Megacycles)

RADIO, marshalling its wide-spread facilities, has been a mighty force in the saving of thousands of lives and carrying on the complex work necessary in handling the tragic situation caused by the worst rampage of the Ohio River in history.

Instances of personal heroism are numerous among radio operators, announcers and staff attendants, who have carried on their work of saving lives and property without sleep, with little food and in many cases even by flickering candle light. Frequently special power supply units had to be rigged to keep vitally important transmitters on the air after city electricity had failed.

Reception during the few periods not devoted to tuning-in flood operations was found to be excellent. The stations from the Orient and Australia were particularly strong in the early mornings. . . . The new Latin on 9.33 mcs, was identified at OAX4J, Lima, Peru. This station often uses a bugle call and a train record, but chimes similar to NBC precede all announcements, which are in Spanish.

According to Lyle Nelson, Yamhill, Ore., further changes in Venezuelan call letters are as follows: YV3RC (6.156), Caracas, now YV5RM; YV8RB (5.899), Barquisimeto, now YV8RA; YV1ORSC (5.72), San Cristobal, now YV2RA, and YV15RV (5.917), Valencia, now YV4RH.

Transmissions from HH2S (5.929) of Port-au-Prince, Haiti, open and close with the playing of a recording of "The Swan," by Saint-Saens. The interval signal, consisting of four chimes, precedes the station call which is announced in French, Spanish and English every fifteen minutes. The "Canadian Hour" for listeners in Canada is broadcast on Thursdays at 10 p.m. EST (9 CST).

An additional English news period is now heard daily over Zeosen, Germany's DJC (6.02) and DJD (11.77) at 10:30 p.m. EST (9:30 CST).

Amos C. Boss of Onelda, N. Y., informs me that amateur EA9AH (14.045) of Tetuan, Spanish Morocco, is giving war news daily at 3:50 p.m. EST (2:50 CST). The opener is "Hello! Everybody! We now give you the latest news from Spain." This broadcaster, run by the rebel forces, may be heard talking with amateurs in the United States for some time prior to the newscast.

Reason the Spanish war news stations never seem to come in at the same spot on the dial, is their attempt to avoid interfering signals broadcast on the same channel by the opposing forces!

THE new directional beam antenna for South American broadcasts over NBC's W3XAL at Boundbrook, N. J., which gives the equivalent of a six-fold increase in power, is now in use for the daily transmissions which starts at 8 p.m. EST (7 CST). Francesco J. Ariza is the commentator for this show which includes many of the featured

American acts of radio. The Metropolitan Opera, Saturdays at 2 p.m. EST (1 CST), is being sent by short-wave commercial circuit to Buenos Aires and Rio de Janeiro, where it is being rebroadcast on normal broadcast waves. Announcements in Spanish are cut into the broadcasts.

A clipping from the Malta Chronicle announces that EAJ 43 (10.37), operated by the Radio Club Tenerife in the Canary Islands, is transmitting on the following schedule: Daily for Europe at 2:15 to 7 p.m. EST (1:15 to 6 CST) and for North and South America from 7:10 to 8 p.m. EST (6:10 to 7 CST).

NEWS from the Amateur Bands: Mrs. Dorothy L. Hall, New York City, reports VU2CQ (14.358), operated by M. Mozoander, Hindu Colony, Plot Number 9, 164 Vincent Road, Dardar, Bombay, India, at approximately 7:30 a.m. EST (6:30 CST) . . . VEIKK (14.28), Belle Isle, Labrador, may be heard at 6:20 a.m. EST (5:20 CST). No verifications will be sent by the operator until he returns home in May or June, according to Raymond Messer, South Portland, Maine . . . VESTV (14.26), located in the North West Territories, is being heard irregularly around 7:45 p.m. EST 6:45 CST) . . . EL1A (7.15 and 7.25), Monrovia, Liberia, was logged by Ralph Gozen, Brooklyn, N. Y., while in contact with XE1LK of Mexico. The operator of EL1A said mail is received only every other month.

VE9CA (6.03), Calgary, Alberta, Canada, signs off daily at 2 a.m. EST (1 CST) with the selection "Home, Sweet Home."

Listeners do not have to subscribe to its magazine to receive a verification from EAQ, Madrid, Spain, corrects Jay Harry Sharp, Brooklyn, N. Y. Mr. Sharp has just received a confirmation of his report in which he had enclosed only an International Reply coupon.

The BBC receives more than 200,000 letters a year from Great Britain and abroad. The total staff numbers more than 3,000.

ANOTHER country heard from! Harry Kentzel, Averill Park, N. Y., reports hearing VP4TC, located in Trinidad, on approximate 6.85 megs on a recent Saturday from 4:30 to 4:50 p.m. EST (3:30 to 3:50 CST). Address reports to Diago Serrao of 1 Broome St., Port-of-Spain, Trinidad.

Reports on the daily Overseas hour from Nazaki, Japan, may be sent to the Consul General of Japan, 500 Fifth Avenue, New York City, N. Y., who will cable them to Tokio.

Herbert DeShong, sends a clipping from The Daily Times Herald, Dallas, Texas, which describes the "pill box" gadget built by Dr. J. Spencer Davis. This device, about the size of a small book, is not a commercial contrivance but was invented solely to improve his own reception of foreign programs. Radio engineers have tested it, claim it makes an aerial unnecessary, and that it eliminates many noises and actually increases sensitivity. Remarkable reception has been obtained in steel-frame buildings and even in a thick-walled ice box.

(Continued from First Column)  
9:55 p.m.—Play, "The Last Act of Love from a Steamer": GSB GSC GSI  
10 p.m.—BN program: HJ1ABE  
12:30 a.m.—Hawaii Calls: KKII

Tuesday, February 9

12:30 p.m.—Luigi Vessali's Hungarian orch.: GSB  
1:40 p.m.—St. Columb hurling game: GSB GSD GSI  
2 p.m.—Percy Patullo, violinist, and Percy Grummitt, pianist: GSB GSD GSI  
3:15 p.m.—Modern poetry: GSB GSD GSI  
4:20 p.m.—BBC Theater orh.: GSB GSC GSD  
5:15 p.m.—Chamber music; Wedding quartet: DJC DJD  
6 p.m.—Barrington quartet; Harry Isaac, pianist: GSA GSB GSC  
7 p.m.—New German law: DJC DJD  
7:30 p.m.—Paul Lincke Evening: DJC DJD  
8:30 p.m.—Rafael Ramirez and the Continentals: YV2RC  
9 p.m.—"World Affairs," Sir Frederick Whyte: GSB GSC GSI  
9:45 p.m.—Variety: GSB GSC GSI  
9:55 p.m.—The old folks at home: GSB GSC GSI  
11 p.m.—Program from Tahiti: FO8AA

Wednesday, February 10

1:45 p.m.—Cruft's Dog Show: GSB GSD GSI  
3 p.m.—Symphonic concert: ORK  
3:15 p.m.—BBC SYMPHONY CONCERT; Philharmonic Choir: GSB GSD GSI  
4 p.m.—Centenary of death of Pushkin; Soviet opinion and world affairs; Songs from Eugene Onegin: RV59  
5 p.m.—Charm and Spirit in Russian music: DJC  
5:25 p.m.—Talk, "Food for Thought": GSB GSC  
6 p.m.—Beate Boyce, Canadian baritone: GSA  
6:15 p.m.—"British Industries Fair, 1937," General Smith: GSA GSB GSC  
6:30 p.m.—PLAY, "Trapped in the Mine": GSA GSB GSC  
6:45 p.m.—Guard band, Antonio D'Elia: ZR03  
7 p.m.—Talk, "The Italian Theater": ZR03  
7:15 p.m.—Vera Guddi Belfredo, pianist: ZR03  
8 p.m.—Richard Strauss songs; Lily Neitzert: DJC DJD  
8:30 p.m.—Press review: DJC DJD  
8:45 p.m.—Story, "The Painted Mountain": DJC

Thursday, February 11

1:20 p.m.—Reginald King's orch.: GSB GSD GSI  
2:40 p.m.—Dance music: GSB GSD GSI  
5:15 p.m.—Hilfer Youth program: DJC DJD  
5:30 p.m.—Songs by Brahms; Gertrud Tiedemann, contralto: DJC DJD  
6 p.m.—Welsh Regional singers: GSA GSB GSC  
6:45 p.m.—"Revering an Historical Date," Marquis Curviedo Serafin: ZR03  
7 p.m.—Variety program for North America: OLR (6.01 or 9.53)  
7:30 p.m.—Rafael Gained's orchestra: YV2RC  
7:45 p.m.—Aner's orchestra: YV2RC  
8 p.m.—Light music: DJC DJD  
8:45 p.m.—Eino's melodies: YV2RC  
9 p.m.—BBC Empire orchestra; John Simon, Australian pianist: GSB GSC GSI  
9:30 p.m.—Friendship Salute: KIO  
10 p.m.—Canadian hour: HH2S

Friday, February 12

1:20 p.m.—BBC variety orch.: GSB GSD GSI  
2:20 p.m.—Charles Lynch, pianist: GSB GSD GSI  
4 p.m.—Monthly scientific review; Anniversary of Darwin's birth: RV59  
4:40 p.m.—Scottish dance music: GSB GSC GSD  
5 p.m.—New German light music: DJC DJD  
6 p.m.—Hyde Park: GSA GSB GSC  
6:15 p.m.—Play, "Originals": GSA GSB GSC  
6:30 p.m.—Concert of request numbers: ZR03  
6:45 p.m.—Operatic program: GSA GSB GSC  
7 p.m.—Itom's Midnight Voice: ZR03  
8:30 p.m.—100 Years of Berlin Festival Humor: DJC DJD  
9:15 p.m.—SYMPHONY CONCERT; Symphony No. VIII, by Anton Bruckner: DJC DJD  
9:20 p.m.—Hauwell Silver band: GSB GSC GSI  
11 p.m.—Program from Tahiti: FO8AA  
12 mid.—KDKA DX Club: W8XK (6.14)

Saturday, February 13

12:30 p.m.—Music from the Scottish past: GSB GSD GSI  
1:25 p.m.—Henry Cummings, Nyassaland baritone: GSB GSD GSI  
2 p.m.—METROPOLITAN OPERA CO.: W3XAL (17.78), W2XAD (15.33), W2XAF (9.53), W8XK (15.21)  
2:30 p.m.—In Town Tonight: GSB GSD GSI  
4:20 p.m.—Music hall: GSB GSD GSI  
5 p.m.—Freiburg Chamber trio: DJC DJD  
5:25 p.m.—Henry Hall's hour: GSB GSC GSD  
5:30 p.m.—Commemoration of Abraham Lincoln's birthday: DJC DJD  
6 p.m.—Folk music: DJC DJD  
7 p.m.—"Diving for Gold," Captain G. C. C. Dasant: GSA GSB GSC  
7:30 p.m.—Rugby match; British Army vs. French Army: GSA GSB GSC  
7:45 p.m.—Theater of the air: YV2RC  
9 p.m.—Rugby match; Eucand vs. Ireland: GSB  
9:15 p.m.—Who is laughing there?: DJC DJD  
10 p.m.—English hour: HJ1ABP HJ4ABD  
11 p.m.—Messages to the far North: VE9DN

In Its Effort to Improve Service to Readers, RADIO GUIDE Boasts a New Feature—"The Radio Week," Which Gives Up-to-the-Minute News About Stars and Programs. It Appears on Pages 14 & 15—Replacing "Wake Up and Listen"



**Log of Foreign Stations Whose Programs Are Listed**

(Megacycles or thousands of kilocycles shown)

CFC, Cuba	10.67	JVN	"	10.68
CJRO, Canada	4.15	JZL	"	9.53
CJRX	11.72	JZJ, Japan	"	11.80
COCD, Cuba	4.13	JZE	"	15.10
COCQ	6.01	KJO, Hawaii	"	11.68
COCG	8.75	KJCH	"	7.52
CSW, Portugal	8.94	KKP	"	15.22
DJB, Germany	15.2	LRU, Argentina	"	15.25
DJC	8.45	LRX	"	9.68
DJD	11.72	LRX	"	10.35
DJL	15.11	OLR, Czechoslovakia	"	
EAQ, Spain	9.87		6.01, 6.02, 9.55,	
EASAH, Spanish Morocco			11.64 and 15.23	
FOAAA, Tahiti	14.045	ORK, Belgium		10.33
GSA, England	7.11	PCJ, Holland	9.59, 15.23	
GSD	6.25	PHI	"	11.73
GSE	9.58	PRADO, Ecuador		6.82
GSG	9.58	PRFS, Brazil		9.56
GSH	11.75	RAN, Russia		9.05
GSI	15.14	RNE	"	12.05
GSP	17.79	RV15	"	4.273
GST	21.47	RV59	"	6.60
GTL	15.25	SPW, Poland		13.09
GSI	6.11	TFJ, Iceland		12.21
GSO	15.18	TIPO, Costa Rica		8.41
GSP	15.21	TIANRH	"	9.67
HASZ, Hungary	15.37	TPA2, France		15.21
HAT4	9.12	TPA3	"	11.85
HBL, Switzerland	9.09	TPA4	"	11.71
HBP	7.99	TR03, Italy		9.555
HCICW, Ecuador	8.28	TR04	"	11.81
HCIRL	8.28	VE9N, Canada		6.085
HCPS, Haiti	8.04	VE9M, Australia		9.59
HJABE, Colombia	8.5	VE9E	"	9.58
HJABP	9.018	VK3ME	"	9.51
HVJ	9.51	VPDZ, Fiji		8.719
HP5J, Panama	9.59	YV2RC, Venezuela		8.89
HRM, Honduras	8.47	XECB, Mexico		7.33
HSPJ, Siam	9.30, 19.02	XEFT	"	6.12
HVJ, Vatican City	15.12	ZBW3, China		9.525
JVIC, Japan	14.8	ZBW4	"	15.19

Time given is EST; for CST subtract one hour. Short-wave programs of American stations are shown along with the regular listings beginning on page 65. Those are indicated, for example, by (ex-11.87) in parentheses following a program listing. This means that on 11.87 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

**News Broadcasts**

Daily—12:05 a.m. JVN; 4:40, GSB, GSC, GSO; 4:45, TPA3; 6: LRU; 7: TPA2; 7:55, GSB, GSG, GSH; 11:30, GSB, GSF; 1 p.m., GSB, GSD, GSI; 2:30, TPA3; 4: GSB, GSC, GSD; 4:15, OLR; 5:15, EAQ; 6:40, HP5J; 7: RAN; 7:15, CSW; 7:40, GSB, GSC, GSD; 8: TPA4; 8:15, DJC, DJD; 9: LRX; 10: COCD; 10:30, DJC, DJD; 10:40, GSB, GSC, GSI; 10:45, CJRO, CJRX; 11:20, TPA4.  
Daily except Sundays—6 a.m., VK3ME; 7:30, VK3LR; 9: 2R04; 1:20 p.m., 2R03; 6: 2R03.  
Sun., Mon., Wed., Fri.—4 p.m., RNE, RV59.  
Sun., Tues., Wed., Fri., Sat.—8 a.m., ZBW (9.52 or 15.19).

**Sunday, February 14**

\*4 a.m.—English programs from Siberia: RV15  
\*7:40 a.m.—Int'l Church of the Air: COCQ  
\*8 a.m.—Variety hour: DJL  
\*8:45 a.m.—Concert: OLR (11.84 or 11.87)  
\*10:30 a.m.—Vatican City topics: HVJ  
12:15 p.m.—Fred Hartley's novelty quintet; Brian Lawrence, vocalist: GSB GSI GSD  
\*1:30 p.m.—Program from Belgium: ORK  
1:40 p.m.—Iceland hour: TFJ  
\*2:25 p.m.—Czechoslovak pegm.: OLR (6.01)  
\*3:50 p.m.—Latest news from Spain: EASAH  
\*4 p.m.—Overseas hour (East coast): JZJ JVN  
4:20 p.m.—Brahms piano music: GSB GSC GSD  
\*4:55 p.m.—Listener greetings: DJC DJD  
\*5 p.m.—Variety program: LRX  
5:15 p.m.—St. Valentine's Day: DJC DJD  
6 p.m.—Dance music: LRX  
6:30 p.m.—St. Paul's services: GSB GSC GSD  
\*7 p.m.—Moscow broadcast: RAN  
\*7:15 p.m.—Sound pictures: DJC DJD  
8 p.m.—Two Hours with Cuba: COCO  
8:30 p.m.—Royal Hawaiian band: KKP  
\*9:30 p.m.—Dance music: LRX  
10 p.m.—Music appreciation hour: HRN  
\*12 mid.—Overseas hour (Pacific coast): JZJ

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

**Monday, February 15**

87 a.m.—Siamese broadcast: HSPJ (19.02)  
11:30 p.m.—Polish hour: SPW  
1:20 p.m.—English letter box: 2R03  
1:40 p.m.—From the London Theater: GSB GSD GSI  
2:20 p.m.—Gerald with orch.: GSB GSD GSI  
3 p.m.—Carmen Hill, cellist: GSB GSD GSI  
4 p.m.—Review of the week; Life on a Soviet Collective Farm: RV59  
4:20 p.m.—Talk, "World Affairs": GSB GSC GSD  
5 p.m.—Argentina hour: L5X  
5:30 p.m.—Songs by Richard Klattovsky: DJC DJD  
6 p.m.—"British Columbia at the Opening of the Century," A. J. T. Taylor: GSB GSC GSD  
6:30 p.m.—John Londoner at home: GSB GSC GSD  
\*6:45 p.m. (ex. Sat.)—Josee Lesl, Spanish commentator: W2XE (21.52)  
7 p.m.—Oscar Fyfe, cellist: GSB GSC GSD  
7:20 p.m.—Henry Hall's Music Makers: GSB GSC GSD  
7:25 p.m.—Maid bac: 2R03  
\*8 p.m.—National Railways program: HJU  
\*8 p.m.—Pan-American hour: W3XAL (6.1)  
8:30 p.m.—Little German reader: DJC DJD

(Continued on Fourth Column)

**SHORT WAVES**

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

(Figures in Parentheses Are Megacycles)

TRY an early morning session at the dials between 4:30 and 6 a.m. EST (3:30 and 5 CST) for exceptionally fine reception, says Paul Dilg, Evans-ton, Ill., who recommends this for those elusive signals. During this period the Australians are quite loud, although VK3ME (9.5), Melbourne, weakens considerably with the approach of dawn. VK3LR (9.58), Melbourne, sends strong signals until it signs off at 8:30 a.m. EST (7:30 CST). As a rule, the strongest station heard is ZMBJ (8.84), the S. S. Awatea, which plies regularly between Wellington, New Zealand, and Sydney, Australia. Transmissions from this floating broadcaster can often be enjoyed as late as 8 a.m. EST (7 CST) . . . GSO (15.18) and GSB (9.51) are heard well, as is TPA3 (11.85), Pontoise, France, up to its sign-off at 5 a.m. EST (4 CST). All three of the German transmitters OJA (9.56), DJN (9.54) and DJB (15.2) are at enjoyable strength, with DJA the weakest of the three. OLR (11.87), Prague, Czechoslovakia, signs on at 5:15 a.m. EST (4:15 CST) with a program directed to Australia and Asia, which reaches North America with fair volume . . . ZBW (9.525), Hong Kong, differing from other stations, seems to grow louder after daybreak.

CSW, the National Broadcasting station of Lisbon, Portugal, seems to have adopted a regular schedule, after several months of testing, as follows on 11.84 megs, to 1:30 a.m. EST (12:30 CST); on 11.04 megs, till 6 p.m. EST (5 CST), then to 9.94 megs where it signs off at 8 p.m. EST (7 CST).

A NEW station, HP5I (ah-chay pay sinko ee), "The Voice of the Interior," Aguadulce, Panama, has been logged by R. B. Oxrieder, State College, Penn., on 11.895 megs. Before signing off, which takes place between 11 p.m. and 12 mid. EST (10 and 11 CST), chimes as those employed by NBC are sounded . . . On Thursday, January 28, around 7 p.m. EST (6 CST), another one of the Spanish war broadcasters, with a call believed to be PGT1 was heard on 7.004 megs. The station signed off at 7:10 p.m. EST (6:10 CST) with "Espana Libre" in the form of a cheer, repeated three times . . . YV1RG, "Radio Valera," Valera, Venezuela, has shifted to 6.225 megs . . . A Costa Rican heard nightly on 6.88 megs with very poor modulation, has so far defied identification . . . The Latin on 11.804 megs which has been heard with weak signals since last November has been definitely identified as OAX5B, "La Voz de Ica," Ica, Peru.

Japanese broadcasters JZJ (11.8) and JZI (9.535) are being heard daily from 9 to 10 a.m. EST (8 to 9 CST).

Germany has issued a statement that the wave lengths used by its transmitters at Zeesen must be kept free of interference from other stations operating illegally on, or near, channels allotted by international agreement for their use. Listeners are requested to aid in keeping their broadcasts free of heterodynes or cross-talk by reporting the call and location of the offending station at once, preferably by cable, to Funkuberwachung, Reichspostzentralamt, Berlin . . . Experimental station DJP (11.85), Zeesen, Germany, is transmitting daily from 11 a.m. to 4:20 p.m. EST (10 to 3:30 CST), with antenna beamed on Africa.

One of the world's loneliest amateurs is Prince Vinh San, ex-ruler of Annam,

in exile on Isle d' Reunion. To while away the hours the Prince operates his own amateur station whose call letters are FR8VX. The transmitter, which has a directional antenna for transmission to North America, is on the air daily from 11 a.m. to 5 p.m. (10 to 4 CST), on 14.34 megs. Thomas P. Jordan, Scranton, Penn., reports hearing this interesting station several times close to 11 a.m. EST (10 CST).

Harry Kentzel, Averil Park, N. Y., is hearing the new Peruvian OAX4J (9.33), "Radio Nacional, La Voz de Lima, Peru," daily from 6 to 11:30 p.m. EST (5 to 10:30 CST).

BAFFIN LAND is now represented by amateur station VESTV on Nottingham Island, which is operated by Canadian government observers. According to H. S. Bradley, Hamilton, N. Y., this station operates on approximately 14.3 megs irregularly from 7 a.m. to 6 p.m. EST (6 to 5 CST). Listeners reporting to VESTV will have to wait patiently for a verification as operator will not receive another mail until next August.

ZHI, Singapore, Straights Settlement, is definitely off the air.

Work will soon be started on the new 20,000-watt transmitter for W9XAA of Chicago, Ill., which is scheduled for completion by August 1 . . . W4XB, Miami, Florida, which has been off the air for some time, has received permission to increase the power of its transmitter from 250 to 5,000 watts.

A new station, CEM (8.88), Amellnes, Chili, heard at 10 p.m. EST (9 CST), was reported by Roy Myers, Los Angeles, Calif.

George Ebbecke, Philadelphia, writes that EAQ (9.86), Madrid, Spain, is transmitting a daily program for Europe and Africa, from 2:30 to 5 p.m. EST (1:30 to 4 CST), which includes war news in English, German and Italian . . . PHI, Huizen, Holland, on January 17 shifted back to 17.77 megs, where the usual schedule is still in effect . . . Moscow has been heard testing on a new frequency of 10.065 megs from 4 to 5:15 p.m. EST (3 to 4:15 CST), and occasionally from 6 to 7 p.m. EST (5 to 6 CST) . . . EAJ43 (10.37), Tenerife, Canary Islands, is now transmitting for Latin America, daily from 8 to 9:10 p.m. EST (7 to 8:10 CST). The last fifteen minutes is occupied with the playing of almost all of the South American anthems.

The Latin broadcaster on approximately 9.443 megs, is HC2EBA, "La Voz de Aima," Guayaquil, Ecuador, reports Pedro Rodriguez, New York City. The station is best heard from 9:15 to 11:15 p.m. EST (8:15 to 10:15 CST).

MIGUEL A. RIVERA, a Peruvian, temporarily stationed in Hong Kong, reports that several new stations have been inaugurated in Peru, at Cusco, Ica, Arequipa, Trujillo, Oroya, Huancayo, Talara, Huacho and other centers. In Arequipa, the Arequipa Import Corporation has opened two: "Radio Landa" and "Radio Arequipa." OAX7A, "Radio Cusco," Cusco, began transmitting on 6.128 megs several months ago. OAX4P, "Radiodifusora Andina Junin," is located in Huancayo. A new 10,000-watt national short-wave transmitter has just been completed in Lima. It will broadcast on 6.092 and 9.562 megs, as well as on the regular broadcast band on 850 kc.

(Continued from First Column)

9:15 p.m.—Hour of surprises: DJC DJD  
10 p.m.—DX program: HJABH  
12:30 a.m.—Hawaii Calls: KKII

**Tuesday, February 16**

12:30 p.m.—Willie Walker octet: GSB GSD GSI  
1:20 p.m.—Dickinson's Apolly Mills brass band: GSB GSD GSI  
3 p.m.—Star gazette: GSB GSD GSI  
5:30 p.m.—Preparations for my Child on Going to School: DJC DJD  
6 p.m.—Irish music: Francis McCall, tenor; Albert Fitzgerald, violinist; R. L. O'Nealy, Uilleann pipes: GSB GSC GSD  
6:30 p.m.—French-Canadian songs and poetry: GSB GSC GSD  
7 p.m.—Anne Wood, contralto, and George Palmer, tenor: GSB GSC GSD  
7:30 p.m.—Evening in Sarsouci: DJC DJD  
8:30 p.m.—German folk songs: DJC DJD  
9 p.m.—Classical music: HC2RL  
9:15 p.m.—OPERA, "THE FLYING DUTCHMAN," Richard Wagner: DJC DJD  
10:10 p.m.—Maurice Vanden, organist: GSB GSC GSD  
11 p.m.—Program from Tahiti: FOAAA

**Wednesday, February 17**

1:40 p.m.—BBC Theater organ: GSB GSD GSI  
2 p.m.—Celebrity trio: GSB GSD GSI  
3 p.m.—Symphonic concert: ORK  
4 p.m.—Review of art, theater, movies, tour of Moscow theaters: RV59  
4:20 p.m.—Scottish dance music: GSB GSC GSD  
4:30 p.m.—ICE HOCKEY; World Championships: GSB GSC GSD  
5 p.m.—Talks, "Food for Thought": GSB GSC GSD  
6 p.m.—Light music: DJC DJD  
6:30 p.m.—Enzo Aita, folk-songs: 2R03  
6:45 p.m.—Concert hour: DJC DJD  
7 p.m.—Talk, "Italy in World Literature": 2R03  
7:15 p.m.—Giuditta Sartori, pianist: 2R03  
7:30 p.m.—Life story of Carl Peters: DJC DJD  
8:30 p.m.—Press review by Hans Fritzsche: DJC DJD  
10:15 p.m.—Talk, "German Influence on the Economic Development of America: DJC DJD

**Thursday, February 18**

12:30 p.m.—Harriet Cohen, pianist: GSB GSD GSI  
1:20 p.m.—Campoli orchestra; Therpe Bates, baritone: GSB GSD GSI  
2:30 p.m.—Songs you might never have heard: GSB GSD GSI  
3:15 p.m.—Van Phillips' orch.: GSB GSD GSI  
5:15 p.m.—Symphonic creations by R. Straub: DJC DJD  
5:25 p.m.—Dance music: GSB GSC GSD  
6 p.m.—Compositions by Franz Schubert; Prof. C. Leonardt, director: DJC DJD  
7 p.m.—Variety program: OLR (6.01 or 9.55)  
7:30 p.m.—Concert: DJC DJD  
7:45 p.m.—Anez orchestra: YV2RC  
8:45 p.m.—The worker's university: DJC DJD  
9:30 p.m.—Friendship Salute: KIO  
10 p.m.—Canadian hour: HJ12S  
10:10 p.m.—Story of Hyde Park: GSB GSC GSI

**Friday, February 19**

12:45 p.m.—Trois and his mandolinists: GSB GSD GSI  
1:35 p.m.—The BBC Singers: GSB GSD GSI  
2:20 p.m.—BBC orchestra: GSB GSD GSI  
3 p.m.—Songs from the Films: Harry S. Pepper and Doris Arnold, pianists; BBC variety orchestra and chorus: GSB GSD GSI  
4:20 p.m.—Arthur Catterall, violinist: GSB GSC GSD  
5 p.m.—For the short-wave amateur: DJC DJD  
6 p.m.—"German Economics," Karl Emil Weiss: DJC DJD  
6:30 p.m.—"Under Big Ben," Howard Marshall: GSB GSC GSD  
7 p.m.—Rome's Midnight Voice: 2R03  
7:15 p.m.—IBC trio: YV2RC  
8:30 p.m.—COMEDY, "In the Snow Storm": DJC DJD  
8:45 p.m.—Concert orch.; guest artists: YV2RC  
9:20 p.m.—Anna Russell, Hebridean songs: GSB GSC GSD  
11 p.m.—Program from Tahiti: FOAAA  
12 mid.—DX Club: W8XK (6.14)

**Saturday, February 20**

12:30 p.m.—Story, "Pistols for Tea": GSB GSD GSI  
1 p.m.—Chapel organ: W2XAF (9.53), W2XAD (15.33)  
2 p.m.—METROPOLITAN OPERA CO.; W3XAL (17.78), W2XAD (15.33), W2XAF (9.53), W8XK (15.21)  
2:30 p.m.—In Town Tonight: GSB GSD GSI  
4:30 p.m.—Dance music: LRU  
5:15 p.m.—Old hero songs: DJC DJD  
5:30 p.m.—League of Nations: HBL HBP  
6 p.m.—Suggestions for your book list: GSB GSC GSD  
6:15 p.m.—Myers Faggin, pianist: GSB GSC GSD  
6:30 p.m.—Story, "Ann and Harold": GSB GSC GSD  
7 p.m.—Bernard Crook quintet: GSB GSC GSD  
7:45 p.m.—Theater of the air: YV2RC  
9 p.m.—Anez orchestra: YV2RC  
9:20 p.m.—Morris Motors band: GSB GSC GSI  
10 p.m.—English hour: HJ1ABP HJ4ABD  
11 p.m.—Messages to the far North: VE9DN



Log of Short-Wave Stations  
Whose Programs Are Listed

Megacycles or thousands of kilocycles shown			
CFC, Onite	16.07	JZL	9.821
CJRO, Canada	6.13	JZJ	11.90
CJRX, Cuba	11.71	JZK	15.16
COCD, Cuba	6.13	KIO, Hawaii	11.69
COCO, "	6.01	KKH	7.02
COCQ, "	9.73	KKP	16.03
CSW, Portugal	9.94	LEU, Argentina	15.29
DJR, Germany	13.2	LRX	9.04
DJC, "	6.02	LSX	15.23
DJD, "	11.77	OLR3A, Czecho-	
DJL, "	15.31	slovakia	9.54
EAG, Spain	9.87	ORN, Belgium	10.32
EAB3K, Spanish		POJ, Holland	9.89, 15.29
Morocco	14.045	PHI	17.715
FORAA, Tahiti	7.11	PRADO, Ecuador	6.42
OSA, England	6.05	PRF3, Brazil	9.30
OSB, "	9.51	RAN, Russia	9.50
OSC, "	9.52	RNE	12.00
OSD, "	11.73	RV16	4.973
OST, "	15.14	RV32	6.00
OSG, "	11.79	SPW, Poland	12.64
OSH, "	21.47	TFJ, Ireland	12.82
OSL, "	15.25	TIPG, Costa Rica	5.43
OSM, "	6.13	TIANRH	9.895
OSO, "	16.18	TPA2, France	15.24
OSP, "	15.31	TPA3	11.49
HASZ, Hungary	12.37	TPA4	11.71
HATA, "	9.12	TR03, Italy	6.655
HBL, Switzerland	9.50	TR04	11.91
HIF, "	7.50	VEFON, Canada	6.005
HC2CW, Ecuador	6.90	VK6ME, Australia	9.58
HC2RA, "	6.96	VK3LR	9.54
HK8K, Haiti	9.99	VK3ME	9.51
HJ1ABE, Colombia	9.5	VPDE, Tiju	8.719
HJ1ABF, "	9.51	YV5RC, Venezuela	8.50
HJ2J, "	9.51	WIXAL, Boston, Mass.	10.35, 11.79 and 15.04
HP5J, Panama	9.58	XECR, Mexico	7.28
HRN, Honduras	9.58	XFTF	6.18
HSAPZ, St. Paul, 9.55, 15.05		ZBWJ, China	9.525
HWZ, Vatican City	15.12	ZBW4	15.19
JVN, Japan	14.6		
JYX, Japan	10.61		

Time given in CST; for MST 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 \*6-11.571 in parentheses following a program listing. This means that on 11.571 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—2:40 a.m., GSB, GSG, GSD; 3:45, TPA3; 5, LRI; 6, TPA2; 6:55, GSH, GSG, GSH, 8, JZJ, JZJ, 10:30, GSB, GSF; 12 noon, GSB, GSD, GSI, 1:30 p.m., TPA3; 3, GSB, GSC, GSF; 3:15, OLR3A; 4:15, RAQ, 5:40, HP5J; 6, RAN; 6:15, CSW, 6:40, GSB, GSD, GSF; 7, TPA4; 7:15, DJC, DJD; 8, LBN, 9, COCD; 9:30, DJC, DJD; 9:40, GSB, GSC, GSD; 9:45, CJRO, CJRN; 10:30, TPA4; 11:05, JVN. Daily except Sundays—5 a.m., VK3ME; 6:30, VK3LR; 8, ZI04; 12:20 p.m., ZI03; 5, ZI03. Sun., Mon., Wed., Fri.—3 p.m., HNE, RV59. Sun., Tues., Wed., Fri., Sat.—7 a.m., ZHW (9.57 or 15.19).

Sunday, March 14

\*3 a.m.—English programs from Siberia; RV15  
\*6:40 a.m.—Int'l Church of the Air; COCQ  
\*7 a.m.—Variety program; DJL  
\*8 a.m.—Overseas hour for Australia; JZJ JZJ  
\*9:30 a.m.—Variety City topics; HVJ  
10:10 a.m.—Celebrity trio; GSB GSF GSH  
10:15 a.m.—Trinity Church; WIXAL (15.25)  
11:45 a.m.—Eugene Pini's tango orch.; GSB GSD  
\*12:30 p.m.—Program from Belgium; ORK  
\*1:25 p.m.—Czechoslovakian program; OLR3A  
\*3 p.m.—Overseas hour (East coast); JZJ JVN  
3:20 p.m.—Play, "Last Days of Salt"; GSB GSC  
3:30 p.m.—Dance music; LRU  
3:30 p.m.—Devotional period; WIXAL (6.04)  
\*5:55 p.m.—Listener greetings; DJB DJD  
\*4 p.m.—Variety program; LBN  
4:15 p.m.—German marches; DJB DJD  
4:15 p.m.—Americana; S. B. Davis; WIXAL (6.04)  
4:30 p.m.—Science Forum; WIXAL (6.04)  
5 p.m.—Dance music; LBN  
5:15 p.m.—World travel talk; WIXAL (6.04)  
5:30 p.m.—St. Paul's services; GSB GSD GSF  
\*6 p.m.—Moscow broadcast; RAN  
6 p.m.—School marches; page 1; WIXAL (6.04)  
6:20 p.m.—Vera Siddons, soprano; George Fitzey, baritone; GSB GSD GSF  
6:30 p.m.—Light music; DJB DJD  
7 p.m.—Two hours with Cuba; COCO  
7:30 p.m.—A woman's hour; DJB DJD  
8:15 p.m.—Special soldier's evening; DJB DJD  
\*8:30 p.m.—Dance music; LBN  
9 p.m.—Appreciation hour; HRN  
9:05 p.m.—This is England; GSB GSC GSD  
\*11 p.m.—Overseas hour (Pacific coast); JZJ

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

Monday, March 15

87 a.m.—Simons broadcast; HSPJ (19.02)  
10 a.m.—Sonata recital, Juan Bunner, cellist; Gabriel Goyler, pianist; GSB GSF GSH  
11:30 a.m.—Polish hour; SPW  
12:20 p.m.—English letter box; ZI03  
1:20 p.m.—Geriho with orch.; GSB GSD GSI  
3:20 p.m.—"World Affairs," Dr. Guy Scholefield; GSB GSC GSF  
13:30 p.m.—Monitor news; WIXAL (11.79)  
13:55 p.m.—Scientific news; WIXAL (11.79)  
4 p.m.—Othello; DJB DJD  
4:15 p.m.—Fantasy for violin and piano by Schubert; Nidly Berler and Fritz Hans Behlaid; DJB DJD  
4:30 p.m.—Brazilian hour; IPI05  
5 p.m.—Sonata in F sharp major by Beethoven; Mary Kromer, pianist; DJB DJD

# SHORT WAVES

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

In line with its aim to be the most complete program medium, this week Radio Guide adds the educational programs of WIXAL, Boston.—C. A. M.

(Figures in Parentheses Are Megacycles)

**E**VENING reception from European stations is the best ever heard this early in the Spring. DJD (11.77) of Zeesen, Germany, has been putting in signals as strong as those noted last Summer during the Olympic games. TPA4 (11.714), Pontoise, France, is the loudest ever recorded. It's even much stronger than CJRX, Winnipeg, at times. So much solar activity is evident that GSF (15.14), Daventry, England, returned to transmission five, heard daily from 6 to 8 p.m. EST (5 to 7 CST), on Sunday, February 28, a change usually not taking place before May. . . . CSW, Lisbon, Portugal, is best on 11.04 megs just before sign-off at 8 p.m. EST (5 CST). . . . Just before PLP (11) of Bandoeng, Java, leaves the air, the early morning setting-up exercises are heard. . . . OLR3A (9.55), Prague, Czechoslovakia, is steadily growing stronger on its Mondays and Thursdays broadcasts from North America, starting at 7 p.m. EST (6 CST). At 9:05 p.m. EST (8:05 CST) the program is shifted to OLR2A on 6.01 megs.

The call of the new Ghuayquil, Ecuador, station on 9.441 megs announcing as "La Voz de Alma" and signing off at 10 p.m. EST (9 CST) nightly, is still in doubt. R. B. Orricker of State College, Penn., claims it identifies itself variously as HC2RA and HC2EBA.

VK6ME, the new transmitter of Amalgamated Wireless at Applecross, near Perth, West Australia, is on the air! An airmail letter from Godfrey Wignall, Perth, states that the station conducted its first tests January 27, on 9.59 megs and with a power of 500 watts. It is believed the power will be considerably more when the station is completed. Paul Dilg, Evanston, Ill., first listener to report the new Australian, noted it on February 15 between 6 and 7:30 a.m. EST (5 and 6:30 CST). It has been heard since several times with fair signal strength.

After six months of experimental tests, Prague, Czechoslovakia, has adopted the following calls and frequencies: OLR2A (6.01); OLR2B (6.03); OLR2C (6.115); OLR3A (9.55); OLR3B (9.504); OLR4A (11.84); OLR4B (11.76); OLR4C (11.875); OLR4D (11.9); OLR5A (15.23); OLR5B (15.32); OLR5C (15.16) and OLR6A (21.45). A definite schedule has not been put into effect.

The classic Grand National Steeplechase, one of the most famous sport-

ing events of the year, will be broadcast from the course at Aintree, England, Friday, March 19, from 10 to 10:30 a.m. EST (9 to 9:30 CST), both over the Daventry, England, stations and the NBC-Blue network.

Herbert Campbell, Athens, Penna., informs that EAQ (9.86), Madrid, Spain, has perked up a bit and is now transmitting news in English daily except Mondays at 6:30 and 8:30 p.m. EST (5:30 and 7:30 CST). . . . A new commercial phone YSU, San Salvador, El Salvador, on approximately 9.945 megs, was heard testing at 3:30 p.m. EST (4:30 CST).

W2XDJ, owned by the Bell Telephone Laboratory, has been granted permission by the Federal Communications Commission, to use its new 20,000-watt experimental transmitter on these frequencies: 21.96, 21.42, 19.82, 19.22, 18.34, 16.27, 14.59, 14.47, 13.39, 10.675, 10.55, 9.87, 9.17, 7.565, 7.555, 6.755 and 5.852 megs.

Pedro Rodriguez, New York City, writes there is a station on 8.7 megs playing music and giving rebel war news in Spanish. Its location is given as aboard a ship somewhere along the coast of the Dominican Republic.

**R**AN (9.6), Moscow, now offers a program in French for Canada starting at 10:15 p.m. EST (9:15 CST), daily except Sundays and Thursdays. . . . Experimental Zeesen station DZH (14.46) is handling the regular German programs from 7 to 10 p.m. EST (6 to 9 CST). . . . Dominion Skyways stations of Ontario, Canada, operating on 3.35 megs are CZ9U, CZ2T and CZ2S. The first one contacts VOVQ in North Labrador irregularly near 7:45 p.m. EST (6:45 CST).

Aguadulec, Panama's HP5I (11.9) is now on daily from 7:30 to 9:30 p.m. EST (6:30 to 8:30 CST). International reply coupons are not necessary with your reports. . . . HIX, Trujillo City, Dominican Republic, is now on 11.97 megs. . . . CR7AA, Lourenco Marques, Mozambique, is testing under the call CR7BH on 11.97 megs. My Pacific coast colleague, George Sholin, reports hearing this station on 11.718.

Apex station W6XKG (25.05) operates 24 hours daily, relaying the programs of KGFJ, Los Angeles, Calif. A DX tip period is given on Mondays, Wednesdays and Fridays from 2 to 2:30 p.m. EST (1 to 1:30 CST). . . . Clyde Criswell, Mission Ranch, Ariz., would like help in identifying a mystery station heard on exactly 40 megs from 12 noon to 12:30 p.m. EST (11 to 11:30 a.m. CST), on February 23. A recording of a speech of President Roosevelt's was repeatedly played.

Tuesday, March 16

11:30 a.m.—Mantovani's orch.; GSB GSD GSI  
12:25 p.m.—BBC Theater orch.; GSB GSD GSI  
3:20 p.m.—Samuel Katcher, violinist; GSB GSC  
4 p.m.—Children's hour; DJB DJD  
4:15 p.m.—Tru in C major Op. 87; DJB DJD  
5 p.m.—Amateur hour; COCO  
5:30 p.m.—Scottish music; GSB GSD GSF  
6 p.m.—Bus building; GSB GSD GSF  
6:15 p.m.—Beetral; Etta Bernard, contralto; David Carl Taylor, violinist; GSB GSD GSF  
6:30 p.m.—Scenes of German life; DJB DJD  
6:45 p.m.—Camera workshop; WIXAL (6.04)  
7:30 p.m.—Everyday physics; WIXAL (6.04)  
7:30 p.m.—Ramiers and Continentals; YV5RC  
7:45 p.m.—Building literature; WIXAL (6.04)  
8 p.m.—Classical music; HC2RL  
8:15 p.m.—Harvard University lectures; Berthoven; WIXAL (6.04)

8:15 p.m.—OPERA CONCERT; DJB DJD  
8:55 p.m.—Hallmarks; GSB GSC GSD  
9:25 p.m.—Tribunal tips for radio; DJB DJD  
10 p.m.—Program from Tahiti; FORAA

Wednesday, March 17

6:15 a.m.—Play, "St. Patrick's Day"; GSB GSG  
8:30 a.m.—Landscape Handicap; GSB GSD GSI  
12:40 p.m.—BBC Theater orch.; GSB GSD GSI  
1:30 p.m.—ST. PATRICK'S DAY PROGRAM; GSB GSD GSI  
3 p.m.—Monthly review of art; cultural aspects of the reorganization of Moscow; popular music songs; RV59  
3:20 p.m.—The Duchy of Cornwall; GSB GSC  
4 p.m.—Light music; DJB DJD  
5 p.m.—Ihda Hedrick, pianist; GSB GSD GSF  
5:15 p.m.—Request concert; DJB DJD  
5:30 p.m.—Irish Society, Jimmy O'Dea, comedian and Harry O'Donovan, stage; GSB GSD  
5:30 p.m.—Apostles Symphony orchestra; ZI03  
6 p.m.—"Music and merriment"; ZI03  
6:15 p.m.—Dr. Andagna Andalo, pianist; folk songs; ZI03  
6:30 p.m.—Play, "Roadways to the People"; DJB  
8 p.m.—Roberto Aramayo, composer; YV5RC  
8:15 p.m.—Readings from "Mein Kampf," Adolph Hitler; DJB DJD  
8:30 p.m.—He who laughs last; DJB DJD

Thursday, March 18

11:15 a.m.—This is England; GSB GSD GSI  
12:20 p.m.—Garda Hall, soprano; GSB GSD GSI  
12:40 p.m.—Festa the London Theater; GSB GSD  
1:15 p.m.—School of the Air; SPW  
1:30 p.m.—Strange to Believe; GSB GSD GSI  
3:20 p.m.—Mr. Murtagh and Mr. Watterbottom; GSB GSC GSF  
4 p.m.—For the short-wave amateur; DJB DJD  
4:25 p.m.—Dance music; GSB GSC GSF  
5 p.m.—Romantic operetta, "Goodnight Vienna"; GSB GSD GSF  
5:15 p.m.—OPERA, "The Prince of Hamburg," Heinrich v. Kleist; DJB DJD  
6 p.m.—"Aquatic Moustache"; GSB GSD GSF  
6:15 p.m.—Heather Sextet; GSB GSD GSF  
6:30 p.m.—Sonatas for violin and piano by Mozart; DJB DJD  
7:30 p.m.—USA in the Beach; DJB DJD  
7:45 p.m.—Military concert; DJB DJD  
8 p.m.—Concert of works by Australian composers; GSB GSC GSI  
8:15 p.m.—Betty Borg; YV5RC  
8:30 p.m.—Friendship Salute; KIO  
8:55 p.m.—Talk, "It Was There"; GSB GSC GSD  
9 p.m.—Canadian hour; HJ25

Friday, March 19

9 a.m.—GRAND NATIONAL; Description direct from the track; GSB GSF GSH  
11:45 a.m.—Alfredo Campoli and orch.; GSB GSD  
12:25 p.m.—Success of the Berlin College of Music; GSB GSD GSI  
1:15 p.m.—European Concert from Cairo; GSB  
3 p.m.—Léon's estimate of the anniversary of the Paris Commune; RV59  
3:40 p.m.—The Calcutta Cup; GSB GSC GSF  
4 p.m.—Cradle songs of all countries; DJB DJD  
4:10 p.m.—BBC Theater orch.; GSB GSC GSF  
4:30 p.m.—Ella Kestner and Andriese Walther, piano duo; DJB DJD  
5 p.m.—An evening with Johann Strauss; DJB  
5:30 p.m.—Concert of request numbers; ZI03  
6 p.m.—Tone's Midnight Voice; ZI03  
6:30 p.m.—"German Economy," Karl Emil Weiss; DJB DJD  
6:45 p.m.—Tariff problems; WIXAL (6.04)  
7:30 p.m.—Hollywood Intimacies; YV5RC  
7:45 p.m.—Little Theater Forum; WIXAL (6.04)  
8 p.m.—Better English lesson; WIXAL (6.04)  
8:15 p.m.—A program of "It's"; IUB DJD  
8:20 p.m.—Ralph Flinn sextet; Dons Cohen, contralto; GSB GSC GSD  
10 p.m.—Program from Tahiti; FORAA  
10:45 p.m.—"New Zealand," Miss Bathie Stuart; W2XAF (9.53)  
11 p.m.—DX Club; W8NK (6.14)

Saturday, March 20

11:30 a.m.—Play, "Dick Turpin's Ride to York"; GSB GSD GSI  
11:55 a.m.—BBC orchestra; GSB GSD GSI  
12 noon—Chapel orch.; W2XAF (9.53)  
1:30 p.m.—In Town Tonight; GSB GSD GSI  
2 p.m.—Movie Hall; GSB GSD GSI  
2:15 p.m.—Outdoors in America; WIXAL (11.79)  
3 p.m.—Tuti's German prog.; WIXAL (11.75)  
3:30 p.m.—Dance music; LRU  
4 p.m.—BBC Military band; GSB GSC GSF  
4 p.m.—World Youth speaks; WIXAL (11.75)  
4:30 p.m.—This America of Ours; WIXAL (11.75)  
4:30 p.m.—League of Nations; HBL HBP  
5 p.m.—Dance music; DJB DJD  
5:30 p.m.—Richard Ceran's orch.; GSB GSD GSF  
5:45 p.m.—Four hour program commemorating ten years of short-wave broadcasting; PHJ  
6 p.m.—Legends of the River Tweed; GSB GSD  
6:15 p.m.—Carmen Portocarrero, music; YV5RC  
6:45 p.m.—Spring songs; DJB DJD  
6:45 p.m.—Theater of the air; YV5RC  
7 p.m.—The Waltz hour; YV5RC  
7:30 p.m.—Folk music; DJB DJD  
8 p.m.—Luton band; Ella Keeler, bar.; GSB GSC  
8:15 p.m.—Special operetta concert; DJB DJD  
9 p.m.—English hour; HJ1ABP HJ4ABP  
10 p.m.—36 voyages to the Far North; VESDN



Log of Short-Wave Stations  
Whose Programs Are Listed

Station	Frequency	Time	Program
CEC, Chile	16.67	23K, Japan	16.67
CJRO, Canada	5.15	Z21, "	9.35
CJRX, "	11.72	Z22, "	11.30
COCD, Cuba	6.13	Z23, "	18.18
COCO, "	8.01	KIO, Hawaii	11.65
COCQ, "	5.75	KKH, "	7.02
CRW, Portugal	5.94	KKF, "	18.03
DJB, Germany	15.2	LRU, Argentina	18.03
DJC, "	8.02	LX, "	9.08
DJD, "	11.77	LX, "	10.20
DJL, "	15.11	OLR3A, Czechoslovakia	9.55
EAQ, Spain	9.67	ORL, Belgium	10.23
FAPA, Spanish Morocco	14.04	PCJ, Holland	9.18, 15.22
FOAAA, Tahiti	7.11	PHI, "	17.75
GSA, England	6.85	PRADO, Ecuador	6.02
GSB, "	9.1	RF5, Brazil	9.50
GSC, "	9.58	RAN, Russia	9.09
GRD, "	11.75	RNE, "	12.00
GRF, "	15.14	RVI, "	4.37
GSG, "	17.39	RV59, "	6.00
GRM, "	21.47	SPW, Poland	18.04
GRJ, "	15.28	TFJ, Iceland	12.22
GRL, "	6.11	TIFQ, Costa Rica	8.41
GSO, "	15.18	TIANRH, "	9.09
GSP, "	16.31	TPA, France	18.24
HAAS, Hungary	15.27	TPA3, "	11.28
HBJ, Switzerland	14.535	TR01, Italy	9.25
HBL, "	9.00	TR04, "	11.21
HBO, "	11.402	VFDRN, Canada	6.06
HBP, "	7.89	VK3ME, Australia	9.29
HJCBW, Ecuador	8.50	VK3LR, "	9.51
HJCBZ, "	6.68	VK3ME, "	9.51
HJCB, Haiti	9.55	VPD, Fiji	8.75
HJLABE, Colombia	9.5	WIXAL, Boston, Mass.	15.28, 11.79 and 9.24
HJLABP, "	9.618	XECC, Mexico	6.12
HJL, "	9.51	XEFT, "	6.12
HJL, Panama	9.80	YV5RC, Venezuela	9.50
HJL, Honduras	5.87	ZHW3, China	9.55
HJL, Siam	9.35, 19.02	ZHW4, "	15.18
HJL, Vietnam City	15.12		
JVH, Japan	14.8		

Time given is EST; for CST subtract one hour. Short-wave programs of American stations are shown along with the regular listings beginning on page 20. These are indicated, for example, by (11-18.18) in parentheses following a program listing. This means that on 11-18 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—12:05 a.m., JVH; 3:40, GSB, GSG, GSO; 4:45, TPA3; 6, LRU; 7, TPA2; 7:55, GSB, GSG, GSH; 9, JZ1, JZ2; 11:30, GSB, GSF; 1 p.m., GSB, GSD, GSI; 2:30, TPA3; 4, GSH, GSC, GSF; 4:15, OLR3A; 5:15, RAQ; 6:40, HV53; 7, HAN; 7:15, CSW; 7:40, GSB, GSD, GSF; 8, TPA4; 8:15, DJC, DJD; 9, LRN; 10, COCD; 10:30, DJC, DJD; 10:40, GSB, GSD, GSF; 10:45, CJRO, CJRX; 11:30, TPA4.  
Daily except Sundays—6 a.m., VK3ME; 7:30, VK3LR; 9, TR04; 1:20 p.m., TR03; 6, TR03; Sun., Mon., Wed., Fri.—4 p.m., RNE, RV59.  
Sun., Tues., Wed., Fri., Sat.—8 a.m., ZHW (9.52 or 15.19).

Sunday, March 21

4:4 a.m.—English programs from Siberia: HV15  
7:40 a.m.—Holy Church of the Air: COCQ  
8 a.m.—Variety program: DJL  
9 a.m.—Overseas hour for Australasia: JZ1, JZ2  
10:30 a.m.—Vatican City topics: HVJ  
11:15 a.m.—Trinity Church: WIXAL (15.25)  
12:15 p.m.—Osteria Culinary band; Walter Payne, baritone; GSB GSD GSI  
1:30 p.m.—Program from Belgium: ORK  
1:40 p.m.—Iceland hour: TFJ  
2:25 p.m.—Czechoslovakian program: OLR3A  
4 p.m.—Soviet science in agriculture; Ukrainian music: RV59  
4:20 p.m.—Modern poems: GSB GSC GSF  
4:30 p.m.—Devotional period: WIXAL (6.04)  
4:30 p.m.—Dance music: LRU  
4:55 p.m.—Listener greetings: DJB DJD  
5 p.m.—Variety program: LRX  
5:15 p.m.—Modern Trends: WIXAL (6.04)  
5:30 p.m.—Brass band: DJB DJD  
6 p.m.—Chamber music: GSB GSD GSF  
6:15 p.m.—World travel talk: WIXAL (6.04)  
6:15 p.m.—Sunday concert: DJB DJD  
6:30 p.m.—Studio services: GSB GSD GSF  
6:45 p.m.—H. M. Welsh Guards band: GSB GSD  
7 p.m.—Moscow broadcast: RAN  
7 p.m.—School teachers' program: WIXAL (6.04)  
7:15 p.m.—Sound pictures: DJB DJD  
8 p.m.—Two hours with Cuba: COCD  
8:30 p.m.—Musical treasures: DJB DJD  
9 p.m.—St. Etheldreda's Catholic services: GSB  
9:15 p.m.—Compositions by Schubert, for piano, violin and cello: DJB DJD  
9:30 p.m.—Dance music: LRX  
10 p.m.—Appreciation hour: HRN  
10:15 p.m.—Made in Scotland, "Tobacco": GSB  
11:20 mid.—Overseas hour (Pacific coast): JZJ

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

Monday, March 22

8:30 a.m.—Siamese breakfast: HSBPJ (19.02)  
11:30 a.m.—Polish hour: SPW  
1:20 p.m.—Reginald King's orch.: GSB GSD GSI  
2 p.m.—Music by Russian composers: GSB GSD  
2:45 p.m.—Play, "The Vagabond Lover": GSB GSD GSI  
4 p.m.—Stalin during the 1905 Revolution; What the Bolsheviks sang on their way to exile: RV59  
4:25 p.m.—"Dolores," told by Bruce Siever: GSB GSC GSF  
4:30 p.m.—Monitor news: WIXAL (11.79)  
4:55 p.m.—Scientific news: WIXAL (11.79)  
5 p.m.—Argentina hour: LSX  
5:15 p.m.—Anecdotes and regu studies: DJB  
5:30 p.m.—Brazilian hour: PRF5

# SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

ACCORDING to R. E. Richardson, astronomer at the Mount Wilson Observatory, the sun is experiencing the greatest magnetic storms since 1900. This unusual activity is ushering in the best season on record for short-wave reception. Bearing out this theory, notice the phenomenal signal strength from short-wave stations on the higher frequencies. In the evenings, DJB (15.2) of Zeesen, Germany, is the loudest ever recorded, at times actually blocking the speaker with its power. GSF (15.14) of Daventry, England, is almost as good, and even DJQ (15.28), which is beamed on South America, is being received with excellent strength.

A further indication of abnormal activity may be found on the 20-meter amateur band, which is wide open for 24 hours daily. Short-wave reception will improve steadily until some time during the year 1938, at which time peak reception for the present sunspot cycle will be experienced.

According to the Radio Manufacturers Association, the American broadcast from Czechoslovakia over OLR3A (9.55) is being heard Mondays and Thursdays on a new schedule of 8 to 11 p.m. EST (7 to 10 CST).

THE experimental Tunisian broadcaster, "Radio Tunis," is now working on a new frequency of 13.955 megs, according to Short-Wave Service of France. This station, using its amateur call of FT4AJ, was heard by John Barre, New York City, on February 24 from 4:43 to 6 p.m. EST (3:43 to 5 CST), testing on an announced frequency of 14.065 megs. The station is operated by Henry de Mattels, 20 rue Es Sadikia, Tunis, Tunisia.

Starting Saturday, March 20, at 7 p.m. EST (6 CST), the regular weekly program radiated from Geneva for the benefit of Swiss citizens abroad will take place on the following new frequencies: On HBJ (14.535) beamed on North America and on HBO (11.402) beamed on South America.

Richard Verbrugge, Detroit, Mich., reports a new station announcing as XEYU, "The National University of Mexico," at Mexico City. The announcer requested reports and promised answers to all letters. The transmission, which was badly marred by interference from HJLABP of Cartagena, Colombia, terminated at 10:30 p.m. EST (9:30 CST).

HJLABP (9.618), Cartagena, Colombia, is conducting a contest in connection with its English broadcasts on Saturday nights from 10 to 11 p.m. EST (9 to 10 CST), the object of which is to name the correct nationality of the announcer. Your reports should be addressed to P. O. Box 37.

7:6 p.m.—Monitor news: WIXAL (11.79)  
8 p.m.—Empire exchange talks: GSB GSD GSF  
8:15 p.m.—German marches: DJB DJD  
8:30 p.m.—OPERA from "Scale": TR03  
8:45 p.m. (ex. Sat.)—Jorge Leal, Spanish commentator: W2XK (21.52)  
7 p.m.—University Student Group: TR03  
7:15 p.m.—Maria Reberi, folk songs: TR03  
7:30 p.m.—Radio course: WIXAL (6.04)  
7:30 p.m.—At home and abroad: DJB DJD  
7:45 p.m.—Pan-American hour: W3XAL (6.1)  
8:30 p.m.—Variety program for North America: OLR3A  
8:30 p.m.—Little German reader: DJB DJD  
8:30 p.m.—Scientific news: WIXAL (6.04)  
8:45 p.m.—Radio code practice: WIXAL (6.04)  
8:45 p.m.—Amateur hour: YV5RC  
9:30 p.m.—Sea Melody orchestra: YV5RC  
10 p.m.—Solo concert; Tiana Lemnitz: DJB DJD

An official communication received by Lyle Nelson, Yamhill, Ore., lists the new French government telephone stations as follows: For communication with Algeria, TYA (12.215) and TYA2 (9.037); with Morocco, TYB (12.25) and TYB2 (8.075); with Soviet Russia, FYC (15.93) and FYC2 (9.84); with Egypt, TYC (13) and TYC2 (7.7); with Madagascar, TYD3 (18.776), and with the United States, TYE (18.09), TYE2 (13.76) and TYE3 (10.43). There is also a phone service between France and Corsica on 7 meters.

George Moore, San Francisco, Calif., informs me that the "Hawaii Calls" program has been shifted to Saturday nights, where it is fed to the Mutual network by KKP (16.03) of Kuluks, from 10 to 10:30 EST (9 to 9:30 CST).

EXPERIMENTAL station PCJ, formerly located in Eindhoven, Holland, has been transferred to Huizen, and all reports should now be addressed to PCJ Studio, Hilversum, Holland. Transmissions over PHI (17.77), Huizen, are now being made daily except Wednesdays, starting at 8 a.m. EST (7 CST).

On Thursday, March 18, at 4:30 p.m. EST (3:30 CST), the CBS network here and the BBC stations in England will carry a half hour of Tommy Dorsey's swing band music. The program is one of CBS' exchange series.

XEUZ (6.12) relays broadcaster KEFO, Mexico City, nightly until about 2:30 or 3 a.m. EST (1:30 or 2 CST). Reception reports should be sent to the latter station and those writing will be enrolled as members of The Radio Friends Club, thereby becoming eligible to participate in a DX contest sponsored by the station, writes Harry Kentzel, Averill Park, N. Y. George Moore, of San Francisco, adds that this station broadcasts experimental programs in connection with the National Network of Mexico on Saturday nights starting at 11:15 p.m. EST (10:15 CST). The special frequency used is 9.4 megs.

GEORGE EBEBECKE, Philadelphia, writes that despite the fact that some newspapers are reporting EAQ (9.86), Madrid, off the air, it is still pounding in daily from approximately 5:30 to 9:30 p.m. EST (4:30 to 8:30 CST), although some of its recordings are "punk." E. D. Nicholson, New Orleans, says: "I got my big thrill on February 18, at 8:05 p.m. EST (7:05 CST), when listening to this station. There must have been an air raid, as I could hear anti-aircraft guns firing."

Latest advice from South Africa is that CR7BH, of Lourenco Marques, Mozambique, testing recently on 11.72 megs, will now conduct similar tests on the 31-meter band.

Tuesday, March 23

12:30 p.m.—Fred Hartley's sextet; Brian Lawrence, vocalist: GSB GSD GSI  
1:20 p.m.—BBC Symphony orchestra; Jenny Sourenberg, contralto: GSB GSD GSI  
2:45 p.m.—Let's Sing Something: GSB GSD GSI  
4:20 p.m.—Cello recital by Frank Ford: GSB GSC  
5 p.m.—Children's hour, games: DJB DJD  
5:10 p.m.—Leslie Bridgewater quintet; John Turner, tenor: GSB GSC GSF  
6 p.m.—Amateur hour: COCD  
6:15 p.m.—OPERA, ZAH FUND ZIMMERMANN: DJB DJD  
7:30 p.m.—Light music: DJB DJD  
7:45 p.m.—Camera workshop: WIXAL (6.04)  
8:30 p.m.—Rafael Ramirez' Continentals: YV5RC  
8:30 p.m.—Everyday physics: WIXAL (6.04)  
8:45 p.m.—Building literature: WIXAL (6.04)

9 p.m.—"World Affairs," H. V. Hobson: GSB GSD GSF  
9:15 p.m.—Harval lecture: Beethoven: WIXAL (6.04)  
10:10 p.m.—Spring to Attention: GSB GSD GSF  
10:15 p.m.—Variations in G major by Beethoven; Hilde Sander, pianist: DJB DJD  
11 p.m.—Program from Tahiti: FOAAA

Wednesday, March 24

6:15 a.m.—OXFORD VS. CAMBRIDGE; Description of the race on the Thames River: GSB GSD GSI  
12:15 p.m.—BBC dance orch.: GSB GSD GSI  
1:20 p.m.—Western Brothers: GSB GSD GSI  
2:15 p.m.—INTERNATIONAL CHOPIN COMPETITION: SPW and NBC Blue network  
2:30 p.m.—Music from the Movies: GSB GSD  
4 p.m.—Stories of three generations at one factory; World affairs: RV59  
4:25 p.m.—Orchestra Raymonde: GSB GSC GSF  
5 p.m.—Chamber music of today: DJB DJD  
6 p.m.—Rae Jenkins' quartet: GSB GSD GSF  
6:30 p.m.—Royal Carabineer band: TR03  
7 p.m.—Callender's Second band: GSB GSD GSF  
7:15 p.m.—Folk songs: TR03  
7:30 p.m.—Hitler Youth program: DJB DJD  
8 p.m.—Topical talk: DJB DJD  
8:30 p.m.—Biographies of famous Latin-American writers: WIXAL (6.1)  
8:45 p.m.—Light music: DJB DJD  
9 p.m.—York Bowen, pianist: GSB GSD GSF  
9:50 p.m.—Opera, "Goodnight Vienna": GSB  
10 p.m.—Ballads and songs: DJB DJD

Thursday, March 25

12:30 p.m.—BBC dance orch.: GSB GSD GSI  
1:40 p.m.—Wireless Puppets: GSB GSD GSI  
3 p.m.—Northern Nottuns: GSB GSD GSI  
3:30 p.m.—Haunting Harmonies: GSB GSC GSF  
5 p.m.—Werner Jakiel, author: DJB DJD  
5:15 p.m.—"Kremlinger," Robert Schumann; Gerhard Puchelt, pianist: DJB DJD  
5:30 p.m.—Ruth Perry, lullaby songs: GSB GSD  
6 p.m.—Orchestral concert: DJB DJD  
6:30 p.m.—Old time Music Hall; Stars of yesterday: GSB GSD GSF  
7:15 p.m.—Rafael Ramirez, crosier: YV5RC  
7:30 p.m.—Educational play, "Blood Uproar": DJB DJD  
8:30 p.m.—Juan Alvarado, songs: YV5RC  
8:45 p.m.—Military concert: DJB DJD  
9:15 p.m.—Kitty Hoop: YV5RC  
9:30 p.m.—Friendship Salute: KIO  
10 p.m.—Canadian hour: HJL2

Friday, March 26

12:45 p.m.—Marjorie Alexander, pianist: GSB GSD  
1:30 p.m.—Religious services: GSB GSD GSI  
4 p.m.—Stalin's return from exile in 1917 and his activity during the Revolution and Civil War; Partisan songs: RV59  
4:40 p.m.—BBC Theater orch.: GSB GSC GSF  
5 p.m.—Argentina hour: LSX  
5:15 p.m.—H. O. Hodson, organist: GSB GSC  
5:30 p.m.—Winter Relief Service: DJB DJD  
6 p.m.—Choral compositions by Brahms: DJB DJD  
6:30 p.m.—Concert of request numbers: TR03  
7 p.m.—Roan's Midnight Voice: TR03  
7:15 p.m.—Today in Germany: DJB DJD  
7:25 p.m.—Scottish dance music: GSB GSD GSI  
7:30 p.m.—Schubert evensong: DJB DJD  
7:45 p.m.—Our Feathered Friends, Prof. S. Eliot: WIXAL (6.04)  
8:15 p.m.—INDIAN MUSIC: WIXAL (6.04)  
8:30 p.m.—League of South American Women: W3XAL (6.1)  
8:45 p.m.—Little theater forum: WIXAL (6.04)  
9 p.m.—Better English lesson: WIXAL (6.04)  
9:15 p.m.—World of poetry: WIXAL (6.04)  
10:10 p.m.—John Lounfara at home: GSB GSD  
11 p.m.—Program from Tahiti: FOAAA  
11:45 p.m.—New Zealand: W2XAF (9.53)  
12 mid.—KDKA DX Club: W8XK (6.14)

Saturday, March 27

12:15 p.m.—Dance music: GSB GSD GSI  
1 p.m.—Chapel organ: W2XAF (9.53), W2XAD (15.33)  
1:45 p.m.—BBC orchestra: GSB GSD GSI  
2 p.m.—METROPOLITAN OPERA CO.: W3XAL (17.79), W2XAD (15.33), W2XAF (9.53), W8XK (15.21)  
2:30 p.m.—In Town Tonight: GSB GSD GSI  
3 p.m.—Music Hall: GSB GSD GSI  
3:15 p.m.—Wild Flowers, talk: WIXAL (11.79)  
3:45 p.m.—Chem. of Plastics: WIXAL (11.79)  
4 p.m.—Wellesley Italian program: WIXAL (11.79)  
4:30 p.m.—Dance music: LRU  
5 p.m.—Today we kindle the Easter fire: DJB  
5 p.m.—World Youth speaks: WIXAL (11.79)  
5:30 p.m.—This America of Ours: WIXAL (11.79)  
5:30 p.m.—League of Nations: HBL HBP  
6 p.m.—BBC dance orchestra: GSB GSD GSF  
6:30 p.m.—Music of the Hours: GSB GSD GSF  
7 p.m.—For Swiss abroad: HBJ HBO  
7:15 p.m.—Carnegie Paganini music: YV5RC  
7:20 p.m.—Football: Royal Navy vs. Royal Air Force: GSB GSD GSF  
7:30 p.m.—A little evening entertainment: DJB  
7:45 p.m.—Theater of the air: YV5RC  
8 p.m.—Waltz hour: YV5RC  
8:30 p.m.—Women's hour: DJB DJD  
9 p.m.—Some Aspects of the Flood and Drought Control; Lieut. Col. Temple: GSB GSD GSF  
9:15 p.m.—Special folk music: DJB DJD  
10 p.m.—Hawaii Calls: KKP  
11 p.m.—DX program: N1W1 (11.9)



Log of Short-Wave Stations Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)			
CZC, Chile	16.87	JVN, Japan	10.48
CZRO, Canada	8.14	JZJ, "	8.53
CJRX, "	11.72	JZJ, "	11.80
COCB, Cuba	8.13	JZK, "	16.16
COCO, "	6.01	KIO, Hawaii	11.68
COCO, "	8.75	KKH, "	7.58
CSW, Portugal	9.94	KKP, "	18.03
DJB, Germany	18.2	LXU, Argentina	18.29
DJC, "	6.02	LXK, "	9.86
DJD, "	11.77	LSX, "	10.35
DJL, "	15.11	OLR3A, Czechoslovakia	9.55
EAG, Spain	9.87	ORL, Belgium	10.33
EASAH, Spanish Morocco	14.045	PCJ, Holland	9.59, 15.22
FOAAA, Tahiti	7.11	PHI, "	17.775
GSA, England	6.95	PRADO, Ecuador	3.82
GSE, "	9.51	PRF3, Brazil	9.50
GSO, "	3.58	RAN, Russia	9.90
GSP, "	11.70	RNE, "	12.09
GSS, "	15.14	RV15, "	6.773
GSO, "	17.79	RV89, "	3.00
GSH, "	21.47	SPW, Poland	13.94
GSI, "	15.26	TFJ, Iceland	12.23
GSL, "	6.11	TIPG, Costa Rica	6.41
GSO, "	15.18	TIANRM, "	9.028
GSP, "	15.21	TPA2, France	15.24
HASB, Hungary	15.37	TPA3, "	11.88
HATA, "	9.12	TPA4, "	11.71
HRJ, Switzerland	14.535	ZRO3, Italy	9.625
HBL, "	6.40	ZRO4, "	11.81
HBO, "	11.602	VE9DN, Canada	6.005
HBP, "	7.40	VK3ME, Australia	3.53
HCSGW, Ecuador	4.20	VK3LR, "	3.58
HCSRL, "	6.48	VK3ME, "	3.51
HHSZ, Haiti	9.825	YFDE, Fiji	3.54
HJIABZ, Colombia	9.5	WIXAL, Boston, Mass.	15.25, 11.79 and 9.94
HJIABP, "	9.618	XEGR, Mexico	7.33
HJU, "	9.51	XEFT, "	9.12
HP5J, Panama	9.40	YF3RC, Venezuela	3.50
HRN, Honduras	5.37	ZBW3, China	9.125
HSPJ, Siam	9.35, 19.82	ZBW4, "	15.19
HVJ, Vatican City	15.12	ZBW4, "	15.19
JVN, Japan	10.48		

Time given in EST; for CST subtract one hour. Short-wave programs of American stations are shown along with the regular listings beginning on page 28. These are indicated, for example, by (sv-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—12:05 a.m., JVI; 3:40, GSB, GSG, GSD; 4:45, TPA3; 6, LRU; 7, TPA2; 7:55, GSB, GSG, GSD; 9, JZJ, JZJ; 11:30, GSB, GSG, GSD; 1 p.m., GSB, GSD, GSI; 2:30, TPA3; 4, GSB, GSG, GSD; 4:15, OLR3A; 5:15, EAQ; 6:40, HP5J; 7, RAN; 7:15, CSW; 7:40, GSB, GSD, GSG; 8, TPA4; 8:15, DJC, DJD; 9, LHX; 10, COCD; 10:30, DJC, DJD; 10:40, GSB, GSD, GSG; 10:45, CJRO, CJRX; 11:30, TPA4.  
Daily except Sundays—6 a.m., VK3ME; 7:30, VK3LR; 9, ZRO4; 1:20 p.m., ZRO3; 6, ZRO3.  
Sun., Mon., Wed., Fri.—4 p.m., RNE, RV59.  
Sun., Tues., Wed., Fri., Sat.—8 a.m., ZBW (9.52 or 15.19).

Sunday, March 28

\*4 a.m.—English programs from Siberia: RV15  
6 a.m.—EASTER SERVICES; Rev. the Lord Bishop of Liverpool: GSB GSG GSH  
\*7:40 a.m.—1st Church of the Air: COCQ  
\*8 a.m.—Variety program: DJL  
\*9 a.m.—Overseas hour for Australasia: JZJ JZJ  
9:45 a.m.—Hawaiian Easter program: KKP  
\*10:30 a.m.—Vatican City topics: HVJ  
10:50 a.m.—"Acis and Galatea," Handel; BBC chorus; BBC Empire orchestra; Soloists: GSB GSG GSH  
12:30 p.m.—Play, "The Table Under the Tree"; GSB GSD GSI  
\*1:30 p.m.—Program from Belgium: ORK  
\*2:25 p.m.—Czechoslovakian program: OLR3A  
2:55 p.m.—Catholic services: GSB GSD GSI  
4 p.m.—What Soviet housewives do in their leisure time: RV59  
4:30 p.m.—Devotional period: WIXAL  
\*4:55 p.m.—Listener greetings: DJB DJD  
\*5 p.m.—Variety program: LHX  
5:30 p.m.—Dance orchestra: YV5RC  
6 p.m.—The world's week: WIXAL  
6:15 p.m.—Easter Sunday concert: DJB DJD  
6:30 p.m.—Baptist services: GSB GSD GSF  
\*7 p.m.—Moscow broadcast: RAN  
\*7:15 p.m.—Sound pictures: DJB DJD  
7:20 p.m.—Barbara Lane and Arthur Reckless, songs: GSB GSD GSF  
8 p.m.—Two Hours with Cuba: COCO  
\*9:30 p.m.—Dance music: LHX  
9:45 p.m.—"This is England," George Robey, comedian: GSC GSD GSF  
10 p.m.—Music appreciation hour: HRN  
12 mid.—Overseas hour (Pacific coast): JZJ

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

Monday, March 29

88 a.m.—Siamese broadcast: HSPJ (19.02)  
88 a.m.—Oriental variety prog.: ZBW3 (9.525)  
10:30 a.m.—Description of auto race from Brooklands Motor Course: GSB GSG GSH  
\*11:30 p.m.—Polish hour: SIMV  
2:20 p.m.—Gerald's orch.: GSB GSD GSI  
4 p.m.—Review of week; Laugh with us; Balalaika music: RV59  
\*4:30 p.m.—Monitor News: WIXAL  
\*4:55 p.m.—Scientific News: WIXAL  
5 p.m.—Argentine hour: LSX  
5:15 p.m.—Light music: DJB DJD  
5:30 p.m.—Brazilian hour: PRF3  
\*6 p.m.—Monitor News: WIXAL  
6:30 p.m.—Agril Fool entertainment: GSB GSD  
\*6:45 p.m. (ex. Sat.)—Jorge Leal, Spanish commentator: W2XE (15.27)



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

(Figures in Parentheses Are Megacycles)

THE non-verifying policy of all stations operated by the BBC is a source of considerable annoyance to listeners. This has been overcome in part through the monitoring bureau established by Carroll Weyrich and Barney Ahman of 4310 Evans Chapel Road, Baltimore, Md., who are carefully checking the programs of the Daventry stations the first Saturday and Sunday in each month as follows: Saturdays from 6 to 7 and 9 to 10 p.m. EST (5 to 6 and 8 to 9 CST). Sundays from 3 to 4 a.m., 2:45 to 3:45 p.m. and 4 to 5 p.m. EST (2 to 3 a.m., 1:45 to 2:45 and 3 to 4 p.m. CST). Listeners desiring verifications can obtain them by listening to one of the above schedules and sending complete details with five cents in stamps to Messrs. Weyrich and Ahman.

Another new country may now be added to your short-wave logs. G. W. Rockwell of Halifax, N. S., Canada, writes that "Curacao Radio" broadcast its first program on Monday, March 1, on an announced frequency of 9.473 megs. The station, which was tuned in at 6:36 p.m. EST (5:36 CST) and held until sign-off at 9:11 p.m. EST (8:11 CST), gave the address as Curacao Radio, Curacao, Dutch West Indies.

According to Dr. Durrwang, president of Radio Club Basle in Switzerland, a new low-power station there with the call HBVE has been testing for several weeks. It is owned by the Brown Boveri Company of Baden Aargau, Switzerland, and usually works amateurs on the 40-meter band, but also employs several other frequencies.

Some time ago I noted that ZHI, Singapore, Straits Settlement, had closed down. Replacing it, a new station with an unknown call is working on 6.005 megs. John DeMyer, Lansing, Mich., has been hearing it near 6:45 a.m. EST (5:45 CST), on Mondays and Thursdays.

Short-Wave Service, of France, informs that a new short-wave center will be erected soon for programs and commentaries from the Paris International Exhibition opening in May. . . . The power of short-wave station OXY (8.06) of Copenhagen, Denmark, has been increased to 5,000 watts. Listeners on the Atlantic Coast report it can now be heard regularly on its daily schedule from 1 to 6:30 p.m. EST (12 to 5:30 CST).

All Daventry, England, schedules will change April 27. Watch this column for full details.

The University of Alaska, at College, has been granted permission to erect an experimental station for the purpose of making ionosphere measurements in the polar regions. Frequencies allotted include each even 100 kilocycles from 1,500 to 16,000. Maximum power will be 200 watts.

Carl and Anne Eder, Willmar, Minn.,

7 p.m.—Italian Fed. of Business Women's Clubs: ZRO3  
7:25 p.m.—Mail bag: ZRO3  
7:30 p.m.—Modern Radio Course: WIXAL  
\*8 p.m.—Pan-American hour: WIXAL (6.1)  
8:30 p.m.—Variety program for N. America: OLR3A  
8:30 p.m.—Scientific News: WIXAL  
8:45 p.m.—Amateur hour: YV5RC  
9:15 p.m.—Old Favorites: DJB DJD  
9:30 p.m.—Sea Melody orchestra: YV5RC  
9:30 p.m.—"Sealed Orders": GSC GSD GSF  
10 p.m.—DX program: HJIABE  
1 a.m.—Hawaii Calls: KKP

state that VPD2, of Suva in the Fijis, has returned to its former frequency of 9.54 megs where it can now be heard daily from 5:30 to 7 a.m. EST (4:30 to 6 CST).

Sintonia, of Buenos Aires, states that a new station, CXA2, has been completed in Montevideo, Uruguay. The first commercial short-wave station in this part of South America, it has been assigned a frequency of 6.035 megs, but is conducting initial tests on 6 megs. It operates daily from 10 a.m. to 12 noon and from 4 to 10 p.m. EST (9 to 11 a.m. and 3 to 9 p.m. CST). Reports should be addressed to Rio Negro 1631, Montevideo, Uruguay.

West Australia's Wireless News reports that VK6ME, the new Perth, West Australia, station will be on a regular schedule soon. It has been testing on a frequency of 9.59 megs.

R. B. OXRIEDER of State College, Penna., notes that Radio Fort de France, Martinique, last logged near 9.36 megs, has not been heard for about two weeks. . . . The correct call of "La Voz del Alma" in Guayaquil, Ecuador, operating on 9.441 megs and signing off nightly at 10:15 p.m. EST (9:15 CST), is still in doubt. For quite a while a half-dozen different calls were being employed with the same slogan for each. The call in use at present sounds like HCODA.

PCJ, now broadcasting from Hilversum, Holland, with augmented power and a new type aerial, is being heard with signals easily comparable to Daventry, England.

Juan Cloquell Storer of Santurce, Puerto Rico, informs me that the power of COCQ (9.75) of Havana, Cuba, which with its 3,000 watts is already being heard in nearly every part of the world, will soon be increased to 26,000 watts! . . . The Colombian government is re-organizing its broadcasting set-up. All short-wave stations must use more power and furnish better modulation or go off the air.

SINCE March 15, W2XAD (15.33) of Schenectady, N. Y., has been operating daily from 10 a.m. to 6 p.m. EST (9 to 5 CST). . . . The Swedish short-wave station nearing completion near Motals will have a power of 1,500 watts. . . . Roy DeMent, Plainview, Texas, notes that CT1AA (9.65) of Lisbon, Portugal, is now on the air on Sundays from 7 to 9 p.m. EST (6 to 8 CST). . . . Soviet transmissions that have been puzzling were probably from one of the new stations listed by Egyptian Radio: RBO (8.31), RPK (7.42), RKA (6.96) and RYS (6.75). These were launched to relay speeches and news in connection with the Spanish war.

HIX, of Trujillo City, is now testing with the following new calls and frequencies: H11X (6.34), H12X (11.96), and H13X (15.28). Excellent strength is shown on the latter two frequencies.

Tuesday, March 30

12:30 p.m.—"The Alphas": GSB GSD GSI  
1:20 p.m.—Recital by Gresham singers: GSB  
1:40 p.m.—From the London Theater: GSB GSD  
2:30 p.m.—Van Phillips and his two orchestras: GSB GSD GSI  
2:50 p.m.—Opening of the Northern Concert-Party Season: GSB GSD GSI  
5 p.m.—Children's hour: DJB DJD  
5:15 p.m.—Light chamber music: DJB DJD  
5:25 p.m.—Billy Bissett and his band: GSB GSG  
6 p.m.—PLAY, "Smiling Eternity": IJB DJD

6:30 p.m.—"Life of Lord Oxford and Asquith": GSB GSD GSF  
7:10 p.m.—The Turning of the Worm: GSB GSD  
7:30 p.m.—Light music: IJB DJD  
7:45 p.m.—Camera Workshop: WIXAL  
8:30 p.m.—Physics in every-day life: WIXAL  
8:45 p.m.—Songs and epics: WIXAL  
9 p.m.—Classical music: HC2RL  
9:15 p.m.—Talk, "Parliamentary Democracy in Great Britain": WIXAL  
9:15 p.m.—Variety: Al and Bob Harvey; Dave Miller; Red Andrews trio: GSC GSD GSF  
11 p.m.—Program from Tahiti: FOAAA

Wednesday, March 31

12:15 p.m.—Billy Cotton and his band: GSB GSD  
1:20 p.m.—Your Programs from Daventry: GSB GSD GSI  
2:15 p.m.—BBC dance orchestra: GSB GSD GSI  
3 p.m.—CONCERT; BBC symphony orch.: GSB GSD GSI  
4 p.m.—How Soviet workers spend a free day in the Winter; Aerodion music: RV59  
5 p.m.—Rebroadcast of selected subjects: WIXAL  
5:15 p.m.—Light music: DJB DJD  
6 p.m.—Irish concert: GSB GSD GSF  
6:15 p.m.—Cabinet of things worth knowing: IJB DJD  
6:30 p.m.—Concert of folk songs: ZRO3  
7 p.m.—Review of books: ZRO3  
7:15 p.m.—Musical program: ZRO3  
8 p.m.—Sonata in C minor by Haydn; Irene Schuring, pianist: DJB DJD  
8:30 p.m.—Biographies of famous Latin American Writers: WIXAL (6.1)  
8:45 p.m.—Who is laughing there?: DJB DJD  
9 p.m.—Roberto Aranguren, crooner: YV5RC  
9:15 p.m.—Play, "The Table Under the Tree": GSC GSD GSF  
9:30 p.m.—Friendship Salute: KIO

Thursday, April 1

12:15 p.m.—"A Hundred Years Ago," John C. Maude: GSB GSD GSI  
1:20 p.m.—Folkstone Municipal orch.: GSB GSD  
2:15 p.m.—School of the Air: OXY (6.06)  
2:45 p.m.—OPERETTA, "The Chocolate Soldier": GSB GSD GSI  
4:35 p.m.—BBC Military band: GSB GSG GSF  
5 p.m.—Rebroadcast of selected subjects: WIXAL  
5:20 p.m.—New Georgian trio: GSB GSG GSF  
6 p.m.—Cedric Sharpe sextet: GSB GSD GSF  
6:40 p.m.—Folly to be Wise: GSB GSD GSF  
7:15 p.m.—Rafael Ramirez, crooner: YV5RC  
8:30 p.m.—Juan Alvarado, songs: YV5RC  
9 p.m.—Music by British composers: GSB GSG  
9:15 p.m.—Betty Bosp: YV5RC  
10 p.m.—Canadian hour: HHSZ  
10:30 p.m.—Haunting Harmonies: GSB GSG GSF

Friday, April 2

12:15 p.m.—Yascha Krein's Gypsy orchestra: GSB GSD GSI  
1:25 p.m.—BBC Military band; Frank Titterton, tenor: GSB GSD GSI  
2:30 p.m.—Ballet music; Boyd Neel's orchestra: GSB GSD GSI  
3 p.m.—Play, "The Air-do-Wells": GSB GSG  
4 p.m.—New Seafish towns; Kirovsk in Kola Peninsula; Music from Far North: RV59  
4:20 p.m.—Songs You Might Never Have Heard: GSB GSG GSF  
5 p.m.—Argentine hour: LSX  
6:15 p.m.—Jos Luss' band: GSB GSD GSF  
6:30 p.m.—Play, "The Ghost Train" (Part I): GSB GSD GSF  
7 p.m.—Northfleet Silver band: GSB GSD GSI  
7:45 p.m.—Little Theater: WIXAL  
8:15 p.m.—Mexico: WIXAL  
8:30 p.m.—Hollywood Interludes: YV5RC  
8:45 p.m.—Kraft durch Freude: IJB DJD  
9 p.m.—World of Poetry: WIXAL  
9:40 p.m.—Eve Maxwell-Lyte, folk songs: GSB GSG GSF  
10 p.m.—"The Wheels of Freedom," a study of the House of Commons: GSB GSG GSF  
11 p.m.—Program from Tahiti: FOAAA  
11:45 p.m.—"New Zealand," Miss Barbie Stuart: W2XAF (9.53)  
12 mid.—DX Club: W8XK (6.14)

Saturday, April 3

10:40 a.m.—RUGBY: Army vs. Royal Air Force: GSB GSG GSH  
12:15 p.m.—Children's program: GSB GSD GSI  
1 p.m.—Chapel organ: W2XAF (9.53), W2XAD (15.33)  
2 p.m.—METROPOLITAN OPERA CO.: W3XAL (17.79), W2XAD (15.33), W2XAF (9.53)  
2:30 p.m.—In Town Tonight: GSB GSD GSI  
3 p.m.—European post box: WIXAL  
3:15 p.m.—Introduction in rheumaty: WIXAL  
4 p.m.—Period in Spanish: WIXAL  
4:20 p.m.—Glasgow Orpheus choir: GSB GSG  
4:30 p.m.—Dance music: LRU  
5 p.m.—World youth speaks: WIXAL  
5:30 p.m.—League of Nations: HBL HBP  
6 p.m.—Norbert Westmar trio: GSB GSD GSF  
6:30 p.m.—Play, "The Ghost Train" (Part II): GSB GSD GSF  
7 p.m.—Swiss overseas hour: HBO HBJ  
7:15 p.m.—Cuban music: YV5RC  
7:45 p.m.—Theater of the air: YV5RC  
8 p.m.—The waltz hours: YV5RC  
8:45 p.m.—The Germans and the Romans: DJB  
9 p.m.—BBC Military band; Frank Titterton, tenor: GSB GSG GSF  
9:55 p.m.—Old-time Music Hall: GSB GSG GSF  
10 p.m.—English hour: HJIABP HJIABB  
11 p.m.—Northern Messenger; Messages to isolated people in Arctik: VE9DN CRX (6.09)



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

(Mega-cycles or thousands of kilocycles shown)

CFC, Chile	10.97	JVI, Japan	14.4
CFO, Canada	4.15	JVN, Japan	10.58
CFRX, "	11.73	JZL, "	9.535
COCD, Cuba	6.12	JZJ, "	11.89
COCO, "	6.01	JZK, "	18.18
COCQ, "	9.75	KIO, Hawaii	11.08
CSW, Portugal	6.99	KKH, "	7.52
DJB, Germany	15.20	KKP, "	16.03
DJC, "	6.02	LBU, Argentina	13.29
DJD, "	11.77	LKX, "	8.68
DJL, "	15.11	LSX, "	10.35
EAQ, Spain	9.87	OLR3A, Czechoslovakia	8.55
EA3AH, Spanish Morocco	14.045	ORX, Belgium	10.33
FOAAA, Tahiti	7.11	PCJ, Holland	9.39, 10.22
GSA, England	6.99	PHI, "	17.72
GSR, "	8.51	PRADO, Ecuador	2.42
GSO, "	9.10	PRF3, Brazil	3.10
GSD, "	11.75	RAN, Russia	9.00
GSE, "	15.14	RNE, "	12.00
GSG, "	11.78	RYS, "	4.73
GSH, "	21.67	RYS2, "	4.40
GSL, "	15.08	SPW, Poland	13.64
GSL, "	6.11	TFJ, Ireland	12.22
GSO, "	15.18	TIPG, Costa Rica	4.41
GSP, "	15.31	TJANRH, "	0.995
HAG5, Hungary	15.37	TEAR, Finland	15.24
HAT4, "	9.12	TPA3, "	11.80
HCJ, Switzerland	14.535	TPA4, "	11.71
HBL, "	9.00	ZRO2, Italy	8.025
HBO, "	11.405	ZRO1, "	11.81
HBP, "	7.50	YERON, Canada	6.995
HC2CW, Ecuador	9.28	YKME, Australia	9.29
HC2RL, "	6.40	YKSL, "	9.28
HC2S, Haiti	5.925	YKWE, "	9.21
HIN, Dominican Republic	6.243	YFDJ, Fiji	3.34
HJ1ABE, Colombia	9.5	WIXAL, Boston, Mass.	15.25, 11.73 and 8.64
HJ1ABP, "	9.615	XECP, Mexico	7.55
HJW, "	9.31	XEPT, "	8.18
HPSJ, Panama	9.95	YV3RC, Venezuela	5.80
HRS, Honduras	6.57	ZBW3, Chile	9.325
HSPJ, Siam	9.35, 10.02	ZBW4, "	15.19
HVJ, Vatican City	13.12		

# SHORT WAVES

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

(Figures in Parentheses Are Mega-cycles)

ONE of the most amazing feats of short-wave reception that I have ever encountered, is that recorded by Radio Guine reader, Clyde Criswell, Mission Ranch, Phoenix, Ariz., who on Friday morning, February 26, at 10 a.m. EST (9 CST), tuned-in an unknown station on the ultra-high frequency of 41.5 meg. He states: "I heard everything as plain as a local for an hour and ten minutes. A girl, acting as the master of ceremonies, had about the worst Cockney accent I have ever heard. Although no station announcements were made, a march selection was played for fifteen seconds between the various items on the program, which included a short piano recital, an interesting news reel of current events, a professor talking about the habits and origin of different animals of the British Empire and a studio variety show. Several facts, including frequent mention of the broadcast as an afternoon show, although it was early in the morning here, lead me to believe this broadcast originated in Great Britain, but please do not publish this unless you have some way to definitely check same." The television supplement of the Radio Times of London for the week, including February 26, supplies the answer to this thrilling mystery, beyond any question of doubt. That program logged in Arizona was the sound accompaniment for the British television program from Alexandra Palace in London, which was being radiated on a frequency of 41.5 meg. Minute program details included in Mr. Criswell's log are definitely confirmed in the television listings for that day.

announces that YTC, Radio Belgrade, Yugoslavia, is being heard on a new frequency of 11.7 meg daily from 2:30 to 5 p.m. EST (1:30 to 4 p.m. CST), with the strongest signals after 4 p.m. EST (3 CST). The station signs off with "The March of the Slavs" . . . TIRCC (6.55), San Jose, Costa Rica, is now operating Tuesdays, Thursdays and Saturdays from 6 to 7 p.m. EST (5 to 6 CST) and Sundays and Thursdays from 9 to 10 p.m. EST (8 to 9 CST).

Important changes have been made in transmissions from Budapest, Hungary, as follows: over HAS3 (15.37), Sundays from 9 to 10 a.m. EST (8 to 9 CST), and over HAT4, recently heard on 9.096 meg. Sundays and Wednesdays from 7 to 8 p.m. EST (6 to 7 CST), and on Saturdays from 6 to 7 p.m. EST (5 to 6 CST).

Transmitting on its new frequency (15.28), HJ3X, of Trujillo City, Dominican Republic, is heard daily from 12 noon to 1 p.m. EST (11 a.m. to 12 noon CST). On Sunday morning, March 21, this station was heard transmitting an apparently endless list of winners in some lottery. Tremendous applause would greet the announcement of each name . . . HIN (6.243), of Trujillo City, D. R., dedicates a special program to American listeners Tuesdays at 8:40 p.m. EST (7:40 CST) . . . For one of the most interesting and informal short-wave features on the air, don't miss the Monday night DX shows over HJ1ABE (9.5), Carliagena, Colombia. After the regular program is concluded at about 10:50 p.m. EST (9:50 CST), the mail-bag session, presided over by witty and comical English Announcer Amanti, commences.

The General Electric Company, Schenectady, N. Y., is seeking permission from the Federal Communications Commission to build a new short-wave transmitter near Belmont, Calif.

Charles Guilbert, Paris, France, writes that a new station, "Poste Bizerte," of Bizerte, Tunisia, Northern Africa, is being heard on 6.164 and 12.138 meg, from 3 to 5 p.m. EST (2 to 4 p.m. CST).

Akifusa Saito, Kumamoto, Japan, writes that the new radiophone circuit between Japan and the Okinawa (Riu Kiu) Islands consists of transmitters JKI (4.305) and JKJ (7.66) at Yoshino, Japan, with a receiving station at Taniyama, and transmitters JCG (4.385) and JCH (8.155) at Mawashi, Okinawa, with a receiving station at Shuri. JCG is being heard in contact with JKI each morning from 6:15 to 6:30 a.m. EST (5:15 to 5:30 CST), by California short-wave listeners.

Paul Dilg, Evanston, Ill., is still hearing 9MI (6.01), the S. S. Kanimbla, quite regularly from 6:35 to 7:30 a.m. EST (5:35 to 6:30 CST), at which time the broadcaster signs off with signature selections, "Sweet Dreams" and "God Save the King."

The much-discussed call letters of "La Voz del Alma," Guayaquil, Ecuador, operating on 9.44 meg, have now been almost positively identified as HC2ODA.

A verification received by R. B. Oxrieder, State College, Penna., from the new Venezuelan broadcaster YV1RL (5.937), states that this station located at Sabanta Larga, a suburb of Maracaibo, uses the slogan "Radio Popular," makes announcements in Spanish and English every 15 minutes and operates week days from 4:30 to 8:30 p.m. EST (3:30 to 8:30 CST). Transmissions open and close with the "National Emblem March." The owner is Jose A. Higuera and reports should be sent to P.O. Box 247.

According to Short-Wave Service of France, the Prague, Czechoslovakia, short-wave station has at last introduced a regular schedule of transmissions, which are as follows: Daily over OLR4A (11.84), from 7:55 to 9:45 a.m. EST (6:55 to 8:45 CST); over OLR3A (9.55), daily from 2:30 to 4 p.m. EST (1:30 to 3 CST) and on Mondays, and Thursdays, with the American broadcast, from 8 to 10 p.m. EST (7 to 9 CST). This program is continued from 10 to 11 p.m. EST (9 to 10 CST) on various frequencies which are announced at the time.

The Chicago Short Wave Radio Club

- 78 a.m.—Pan American variety: W3XAL (6.1)
- 8:30 p.m.—Little German reader: DJB DJD
- 8:45 p.m.—Amateur hour: YV3RC
- 9 a.m.—Memories of the Theater: GSC GSF
- 9:30 p.m.—Sea melody orchestra: YV3RC
- 10 p.m.—DX program: HJ1ABE
- 1 a.m.—Hawaii Calls: KKH

- 1:30 p.m.—Happy program: PCJ (9.59)
- 2:15 p.m.—BBC Empire orchestra: Patricia Rossborough, pianist: GSI GSD GSB
- 4:20 p.m.—"The Quintessence": GSF GSC GSB
- 5 p.m.—Children's hour: DJB DJD
- 6 p.m.—Scenes from the Harz: DJB DJD
- 6:30 p.m.—Five Counties of Ulster: GSF GSD
- 6:45 p.m.—Gay folk music: DJB DJD
- 7 p.m.—Helen Just, rella; Aileen Brandson, organ: GSF GSD GSB
- 7:45 p.m.—Camera workshop: W3XAL
- 8:30 p.m.—Building literature: W3XAL
- 8:40 p.m.—Program for American listeners: HIN

**Tuesday, April 6**  
 9 a.m.—"World Affairs," H. V. Hodson: GSF  
 10:30 a.m.—BBC singers: GSI GSF GSD  
 12:30 p.m.—Frank Billo's brass quintet: GSD GSI

- 8:45 p.m.—Culture and Philosophy: DJB DJD
- 9 p.m.—Harvard lecture series: W3XAL
- 9:15 p.m.—George Holler, baritone: DJB DJD
- 9:45 p.m.—For the short-wave amateur: DJB DJD
- 10 p.m.—Cathedral choir of Aix-la-Chapelle: DJB DJD
- 11 p.m.—Program from Tahiti: FOAAA

## Wednesday, April 7

- 11:15 a.m.—Three in Synchroton: GSI GSC GSD
- 12:15 p.m.—"A Hundred Years Ago," John C. Maule: GSI GSD GSB
- 1:40 p.m.—Music from the Movies: GSI GSD
- 2:50 p.m.—Variety from the Empire Theater, Belfast: GSI GSD GSB
- 3:15 p.m.—BBC SYMPHONY CONCERT: GSI GSD GSB
- 4 p.m.—Mother and child welfare: RNE
- 4:30 p.m.—Minute views the news: W3XAL (11.79)
- 4:35 p.m.—"Schlitzky's Ride," two years on horseback from Patagonia to New York: GSF GSD GSB
- 5 p.m.—Rebroadcast of selected subjects: W3XAL
- 6 p.m.—Monitor views the news: W3XAL
- 6:30 p.m.—OPERA, Royal Opera House 2803
- 7 p.m.—Walter Collins, organ: GSF GSD GSB
- 7:15 p.m.—Vigil Marc, tenor 2803
- 7:30 p.m.—Hour of the young nation: DJB DJD
- 8 p.m.—Consolation hour for women: DJB DJD
- 8:30 p.m.—Biographies of famous Latin American writers: W3XAL
- 9 p.m.—National tourist program: TIPG
- 9:15 p.m.—OPERA, "Parsifal": DJB DJD
- 9:20 p.m.—Chalk Farm Salvation Army band: GSI GSD GSB
- 9:30 p.m.—Friendship Salute: KIO
- 10 p.m.—Description of Amateur Boating Club membership: GSC GSD GSB

## Thursday, April 8

- 10:15 a.m.—H. M. Royal Marines band: GSF
- 11 a.m.—Reading from "Postman's Knock": GSF
- 12:15 p.m.—School of the Air program from THE HAGUE: PHI or PCJ (15.22)
- 2:40 p.m.—Harold Rhodes, organist: GSI GSD
- 3:15 p.m.—Pop Dancing: GSI GSD GSB
- 4:30 p.m.—Monitor views the news: W3XAL (11.77)
- 5 p.m.—Rebroadcast of selected subjects: W3XAL
- 6 p.m.—Monitor views the news: W3XAL
- 6:15 p.m.—Variety hour: HBU HBJ
- 6:30 p.m.—Extract from autobiography of Richard Bardon Hablaue: GSF GSD GSB
- 6:45 p.m.—Recital of popular ballads: GSF GSD
- 7 p.m.—Dorothy Hughes, trio: GSF GSD GSB
- 7:30 p.m.—Merry Spring songs: DJB DJD
- 8 p.m.—Anni Sabota, songs: HBJ DJD
- 8:30 p.m.—Juan Abarca, singer: YV3RC
- 8:45 p.m.—Talk, "German Reconstruction": DJB DJD
- 9 p.m.—BBC Empire orchestra: Betty Hunsley, piano: GSC GSD GSB
- 9:15 p.m.—Betty Hoop: YV3RC
- 10 p.m.—Canadian hour: HJ2S

## Friday, April 9

- 11 a.m.—PLAY, "Cue for Adventure": GSF GSD
- 12:45 p.m.—BBC Military band: GSI GSD GSB
- 1:25 p.m.—Walter Walker, organ: GSI GSD GSB
- 4 p.m.—How Socialism eliminates crime; orchestral music: RNE
- 4:20 p.m.—Marian Licette, soprano: GSF GSC GSB
- 4:45 p.m.—Story, "The Dunes of the Boff": GSF
- 5 p.m.—Argentina hour: LSX
- 6 p.m.—BBC Empire orchestra: GSF GSD GSB
- 6:30 p.m.—Eternal tokens of German culture: DJB DJD
- 7 p.m.—Rene's Midnight Voice: 2803
- 7:15 p.m.—Cello trio: GSF GSD GSB
- 7:30 p.m.—The listener's mail bag: W3XAL
- 7:45 p.m.—Little theater: W3XAL
- 8:15 p.m.—Program on sailing: W3XAL
- 8:30 p.m.—League of South American Women: W3XAL
- 8:45 p.m.—Astronomy: W3XAL
- 9 p.m.—The world of poetry: W3XAL
- 9:15 p.m.—Military concert: DJB DJD
- 11 p.m.—Program from Tahiti: FOAAA
- 11:45 p.m.—"New Zealand," Balthie Stuart: W3XAF (9.53)
- 12 mid.—DX club: W3NK (6.14)

## Saturday, April 10

- 10:45 a.m.—FOOTBALL ASSOCIATION CUP; Description of the second half: GSI GSF GSD
- 12:30 p.m.—Webb sax and folk songs: GSI GSD
- 1 p.m.—Chapel organ: W2XAF (9.53) W2XAD (15.33)
- 2 p.m.—METROPOLITAN OPERA: W3XAL (17.79) W2XAD (15.33) W2XAF (9.53) W3NK (15.21)
- 2:30 p.m.—BBC Presents the A. B. C.: GSI GSD
- 3 p.m.—Music Hall: GSI GSD GSB
- 3:45 p.m.—European Post box: W3XAL
- 4 p.m.—Lesson in French: W3XAL
- 4:30 p.m.—Monitor views the news: W3XAL
- 4:40 p.m.—Fritz British Legion band: GSF GSC
- 5 p.m.—World youth speaks: W3XAL
- 5:30 p.m.—League of Nations: HRI HBF
- 6 p.m.—Program from Budapest: HAT4
- 6:15 p.m.—Musical treasures: DJB DJD
- 6:45 p.m.—Swiss overseas hour: HBU HBJ
- 7 p.m.—French Canadian folk songs: GSF GSD
- 7:15 p.m.—Cuban music: YV3RC
- 7:30 p.m.—Play, "Eccentrically Speaking": DJB DJD
- 7:45 p.m.—Theater of the air: YV3RC
- 8 p.m.—The waltz hour: YV3RC
- 8:45 p.m.—"Daily Life in Germany": DJB DJD
- 9:15 p.m.—Dance music: DJB DJD
- 10 p.m.—English hour: HJ1ABE HJ2ABB
- 11 p.m.—Northern Messenger; communications to the Arctic: YERON CRUX (6.09)

Time given is EST, for CST subtract one hour. Short-wave programs of American stations are shown along with the regular listings beginning on page 23. These are indicated, for example, by (W 11:47) in parentheses following a program listing. This means that on 11.47 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

Daily—12:05 a.m., JVI; 2:40, GNB, GSG, GSO; 4:45, TPA3, 6, LRU; 7, TPA2; 7:55, GSF, GSG, GSH; 9, JZJ, JZJ; 11:30, GSG, GSH, GSF; 1 p.m., GNB, GSD, GSI, 2:30, TPA3; 3, OLR3A; 4, GSB, GSC, GSE; 4:15, OLR3A; 5:15, EAQ; 6:40, HPSJ; 7, BAN; 7:15, CSW; 7:40, GNB, GSD, GSF; 8, TPA4; 8:15, DAB, HBJ; 9, LRX; 10, CRKD; 10:30, DJB, DJD; 10:40, GSC, GSD, GSF; 10:45, CJHO, CJRX; 11:30, TPA4.

Daily except Sundays—6 a.m., YK3ME; 7:30, YK3LI; 9, ZRO4; 1:20 p.m., 2803; 5, 2103.

Sun., Mon., Wed., Fri.—4 p.m., HNE, HV39.

Sun., Tues., Wed., Fri., Sat.—8 a.m., ZBW (9.52 or 15.19).

## Sunday, April 4

- \*3 a.m.—English programs from Siberia: HV15
- \*7:40 a.m.—Lull Church of the Air: COCQ
- \*8 a.m.—Variety program: DJL
- 8:55 a.m.—FOOTBALL; Belgium vs. Holland; PHI PCJ (15.22)
- \*9 a.m.—Overseas hour for Australia: JZJ JZJ
- \*10:30 a.m.—Vatican City tapes: HVJ
- \*1:30 p.m.—Program from Belgium: ORK
- \*2:25 p.m.—Czechoslovak variety group: OLR3A
- 2:55 p.m.—Epicurean services: GSI GSD GSB
- 4 p.m.—Spring in the Soviet countryside: RNE
- 4:30 a.m.—Devotional period: W3XAL
- \*4:55 p.m.—Listener greetings: DJB DJD
- 5 p.m.—Children's hour: DJB DJD
- 5:15 p.m.—Modern trends in ancient tracks: W3XAL
- 5:30 p.m.—Who is laughing there?: HJB DJD
- 6 p.m.—The world's week: W3XAL
- 6:15 p.m.—Books of the month: W3XAL
- 6:45 p.m.—H. M. Irish Guards band: GSF GSD
- \*7 p.m.—Moscow broadcast: RAN
- \*7:15 p.m.—Sound pictures: DJB DJD
- 7:30 p.m.—"Spring," Haydn: HBJ DJD
- 8 p.m.—Two hours with Cuba: COCO
- 8:30 p.m.—Folk songs: DJB DJD
- 9 p.m.—Scottish religious services: GSD GSF GSC
- \*9:30 p.m.—Dance music: LRX
- 10 p.m.—Music appreciation hour: HRS
- 10:10 p.m.—Surrey wood bird songs: GSC GSD
- \*12 mid.—Overseas hour (Pacific coast): JZJ

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

## Monday, April 5

- 88 a.m.—Suzanne broadcast: HSP2 (19.02)
- 88 a.m.—Oriental variety program: ZBW3 (9.525)
- 10:55 a.m.—Arthur Salisbury's arch.: GSI GSD
- 11:20 p.m.—Polish hour: SPW
- 1:20 p.m.—English letter box: ZRO3
- 2:45 p.m.—The Strange Adventures of Mr. Penny: GSI GSD GSB
- 4 p.m.—The Soviet Far East today on the anniversary of foreign intervention, 1918: RNE
- 4:55 p.m.—Scientific news: W3XAL (11.79)
- 5 p.m.—Argentina hour: LSX
- 5:30 p.m.—Brazilian hour: PBF5
- 6:15 p.m.—Dance music: GSF GSD GSB
- 6:30 p.m.—OPERA from Scala Theater: 2803
- 6:45 p.m. (ex. Sat.)—Jose Leal, Spanish commentator: W2XE (15.27)
- 7 p.m.—Carmen Orlaca, songs: YV3RC
- 7:15 p.m.—Vittorio Azeloni, tenor: 2803
- 7:25 p.m.—Mail box: 2803
- 7:30 p.m.—Modern Radio Concert: W3XAL
- 88 p.m.—Variety program for North America: OLR3A



Log of Short-Wave Stations Whose Programs Are Listed



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

(Megacycles or thousands of kilocycles shown)

CEC, Chile	18.67	JVJ, Japan	14.0
CJR, Canada	8.16	JYX, Japan	10.68
CJRX	11.78	JZL	9.825
COOP, Cuba	6.13	JZJ	11.88
COCO	6.01	JZK	16.16
COCO	8.75	KIO, Hawaii	11.90
CSW, Portugal	9.94	KKR	7.52
DJB, Germany	16.20	KKP	16.62
DJO	6.08	LEU, Argentina	15.20
DJD	11.77	LHX	0.50
DJL	15.11	LIX	10.20
EAQ, Spain	9.67	OLM, Czechoslovakia	8.86
EAQ2	9.69	OLM2	11.94
EAS, Spanish Morocco	14.645	OLM3	10.30
FOBA, Tahiti	7.11	PCJ, Holland	9.66, 15.24
GSA, England	6.96	PHL	17.770
GSA	9.61	PRADO, Ecuador	0.48
GSC	9.66	PRF, Brazil	9.50
GSD	11.70	RAN, Russia	9.00
GSE	15.14	RNE	18.00
GSO	17.29	RV15	4.873
GSM	91.67	RV59	6.00
GR1	15.26	SPW, Poland	13.61
GR2	6.11	TFJ, Ireland	15.25
GR3	13.18	TIPO, Costa Rica	4.41
GR4	16.21	T14KXK	6.686
HAB, Hungary	15.27	TPA1, France	16.24
HAT1	6.10	TPA2	11.88
HRT, Switzerland	14.515	TPA3	11.71
HRL	6.90	TR03, Italy	9.825
HRO	11.468	TR04	11.51
HSP	7.90	VEBDN, Canada	9.006
HC2CW, Ecuador	8.20	VK3NE, Australia	2.38
HC3RL	6.90	VK3LR, Australia	9.56
HKES, Haiti	9.905	VK3KE	9.51
HIN, Dominican Republic	6.243	VPDR, Fiji	9.44
HJ1AB, Colombia	9.5	W1XAL, Boston, Mass.	16.25, 11.70 and 4.84
HJ1ABP	9.618	XEBC, Mexico	7.58
HJ2U	9.61	XEFT	6.12
HPS3, Panama	8.66	YV5RC, Venezuela	6.60
HSM, Honduras	6.87	ZBW3, China	9.650
HSP3, Bham	9.55, 10.92	ZBW4	15.10
HV2, Vatican City	15.18		

(Figures in Parentheses Are Megacycles)

THE most important short-wave item in several weeks concerns the inauguration by EAQ, Madrid, Spain, of an extremely powerful new transmitter on Sunday, March 21. This station, broadcasting on an announced frequency of 9.48 megs, but actually heard on 9.488 megs, has been reported by numerous listeners. Although the claimed power of EAQ2, The Voice of Spain, is only 20,000 watts, it is easily the loudest station on the 31-meter band. The musical portions of the programs, consisting principally of recordings, are of rather poor quality but all voice transmissions are excellent. At present, the station comes on the air nightly at 7:30 p.m. EST (6:30 p.m. CST) with a reading of the latest war news in English, which is followed on Monday, Tuesday and Friday nights by an all-English program, featuring talks by American or Canadian war correspondents or journalists, for publication in United States newspapers and periodicals. This broadcaster is owned by the Loyalist or government forces, and, in fact, utterances against the rebel forces are so vehement that I can't help but wonder just how long it will be before a well-placed aerial bomb terminates its service. Transmissions are usually concluded at 9:30 p.m. EST (8:30 p.m. CST). Reports or comments on the war talks should be addressed to Herbert Kline, in care of the Madrid Bureau, Madrid, Spain, while reports on the station's regular broadcasts for verification purposes should be sent to Apartado O. C. R., P. O. Box 951, Madrid, Spain.

CHARLES GUILBERT of Paris, France, reports a new mystery short-wave station, which comes on the air daily at 4 p.m. EST (3 p.m. CST) on a frequency of 10.07 megs, and announces itself as the station of the German Communist Party. At 4:50 p.m. EST (3:50 p.m. CST), this dual-personality broadcaster appears on a new frequency of 10.42 megs, announcing as "Radio-Milano," station of the Italian Communist Party. . . . The Nationalist authorities in Spain have inaugurated a new station, Radio Reghepe (7.192) at Burgos.

Norman Schultz, Spanaway, Wash., gives the schedule of XEBR (11.83), Hermosillo, Mexico, as daily from 7 p.m. to 12 mid. EST (6 to 11 p.m. CST).

The overseas broadcast from Tokio directed upon Europe is being transmitted daily from 2:30 to 3:30 p.m. EST (1:30 to 2:30 p.m. CST), over JVM (10.74) and JZJ (11.8) . . . JVM is being heard with excellent strength on the morning transmission ending at 7:40 a.m. EST (6:40 a.m. CST) . . . According to Akifusa Salto of Kumamoto, Japan, JVH (14.6) of Nazaki, may be heard transmitting to Manchuko, daily as follows: 5:20 to

5:40 p.m., 7 to 7:10 p.m., 7:30 to 7:40 p.m., 9:40 to 10:05 p.m., 10:40 to 11 p.m. and 1:50 to 2:20 a.m. EST (4:20 to 4:40 p.m., 6 to 6:10 p.m., 6:30 to 6:40 p.m., 8:40 to 9:05 p.m., 9:40 to 10 p.m. and 12:50 to 1:20 a.m. CST).

Clyde Criswell, Mission Ranch, Ariz., whose remarkable reception of the sound transmissions accompanying the television signals from London, England, was featured in last week's column, now has received a definite letter of verification and congratulations from the British Broadcasting Corporation.

The new short-wave experimental station being erected by the University of Alaska, at College, Alaska, has been assigned call letters K7XCW.

OFFICIAL notification has been received by the Radio Manufacturers Association that VUB (9.565) of Bombay, India, has discontinued its broadcasts for the present. Meanwhile, the Indian government has placed an order with Philips Radio of Holland for the supply of four new 10,000-watt short-wave transmitters for the All-India Radio organization.

Unidentified stations, announcing in Spanish and German, on 12.092 megs from 5:30 to 6 p.m. EST (4:30 to 5 p.m. CST), and on 12.06 megs from 10 to 11:30 p.m. EST (9 to 10:30 p.m. CST), are being heard almost nightly by R. B. Ozrieder, State College, Penn.

Radio Tunis of Tunis, Tunisia, may be heard on 7.265 megs near 7:30 p.m. EST (6:30 p.m. CST) . . . A new Tunisian, "Poste Bizertin" of Bizerte, Tunisia, may be heard on a frequency of 6.16 (and on a harmonic of 12.32) megs, nightly from 5 to 7 p.m. EST (4 to 6 p.m. CST) according to Joseph Mercleca of Silema, Malta.

The official schedule of CR7BH (11.718), Lourenco Marques, Mozambique, Portuguese East Africa, well heard throughout the western United States, is: Weekdays from 6:45 to 7:30 a.m., 10:30 a.m. to 12:30 p.m. and from 1:30 to 5 p.m. EST (5:45 to 6:30 a.m., 9:30 to 11:30 a.m. and from 12:30 to 4 p.m. CST); on Sundays from 12 noon to 2 p.m. and from 4 to 5 p.m. EST (11 a.m. to 1 p.m., and from 3 to 4 p.m. CST).

Short-Wave Service, of France, announces that the explorer Sir Hubert Wilkins has just arrived in Southampton where he will make preparations for a new expedition to the Arctic. The journey will be made under ice in his new submarine which can stay submerged for five successive days. The trip will start from Spitzbergen, wind round the North Pole, and finally, return through the Bering Straits. Wilkins has signed a contract with one of the leading American networks for broadcasts direct from his submarine.

- 3 p.m.—114th Anniversary of the Birth of Ostrovsky: RNE
- 4:55 p.m.—Science news: W1XAL (11.79)
- 4 p.m.—Argentina hour: PRF5
- 4:10 p.m.—Reading, "Passing of a Financier": GSB
- 4:30 p.m.—Brazilian hour: PRU5
- 5 p.m.—Views of the News: W1XAL (11.79)
- 5:15 p.m.—Musical lesson: DJB DJD
- 5:30 p.m.—John Londoner at home: GSB GSD
- 7:45 p.m. (en. Sat.)—Jorge Leal, Spanish commentator: W2XE (15.27)
- 6 p.m.—BBC Empire orch.: GSB GSD GSF
- 6:15 p.m.—Gilda Germann, vocalist: 2R03
- 6:25 p.m.—Mell bag: 2R03
- 6:30 p.m.—Modern Radio Course: W1XAL (6.04)
- 8 p.m.—Czechoslovakian variety: OLR3A

- 7:30 p.m.—Little German reader: DJB DJD
- 7:45 p.m.—Amateur hour: YV5RC
- 8:30 p.m.—Sea Melody orchestra: YV5RC
- 9 p.m.—DX program: HJ1ABE
- 9:10 p.m.—PLAY, "Cue for Adventure": GSC
- 12 mid.—Hawaii Calls: KKII

Tuesday, April 13

- 11:30 a.m.—Wynford Reynolds orctet: GSB GSD
- 12:25 p.m.—BBC theater organ: GSB GSD GSI
- 1 p.m.—PLAY, "Happy Ending": GSB GSD GSI
- 1:30 p.m.—Seneta recital: GSB GSD GSI
- 3:30 p.m.—BBC Military band: GSB GSC GSF
- 4 p.m.—Children's hour: DJB DJD
- 4:15 p.m.—Luta quartet: DJB DJD

- 5 p.m.—Grey of Falling: GSB GSD GSF
- 5:30 p.m.—"Uncle Arthur," Fantasy for organ and voices: GSB GSD GSF
- 6 p.m.—Karl Caylus Players: GSB GSD GSF
- 6:45 p.m.—Madrigal variety: EAQ2
- 6:45 p.m.—Camera workshop: W1XAL (6.04)
- 7:30 p.m.—Building literature: W1XAL (6.04)
- 7:45 p.m.—German Reconstruction: DJB DJD
- 8 p.m.—Harvard lecture series: W1XAL (6.04)
- 8:15 p.m.—Arnold Goldsbrough, organ: GSC GSD
- 8:50 p.m.—Victorian Melodies: GSC GSD GSF
- 10 p.m.—Program from Tahiti: FOBA

Wednesday, April 14

- 10:15 a.m.—Nat Mills and Bobbie: GSF GSD GSI
- 11:15 a.m.—BBC dance orchestra: GSB GSD GSI
- 1:45 p.m.—BBC Symphony orch.: GSB GSD GSI
- 3 p.m.—The Arctic in 1917 and 1937: Soviet songs: RNE
- 3:30 p.m.—Harvard lec. series: W1XAL (11.79)
- 4 p.m.—An appreciation of friendship: DJB DJD
- 4:20 p.m.—Twilight Serenaders: GSB GSC GSF
- 5 p.m.—Views of the News: W1XAL (11.79)
- 5:15 p.m.—Rune Kreitzschmayer, piano: DJB DJD
- 5:30 p.m.—Step Dancing: GSB GSD GSF
- 6 p.m.—Program from Budapest: HAT4
- 6:15 p.m.—Lory D'Argezza, folk songs: 2R03
- 6:30 p.m.—Hitler Youth program: DJB DJD
- 7 p.m.—A German engineer who built the Brooklyn bridge: DJB DJD
- 7:30 p.m.—Biographies of famous Latin American Writers: W1XAL (6.1)
- 8 p.m.—National Tourist program: TTPG
- 8:15 p.m.—Kabuki opera: DJB DJD
- 8:30 p.m.—Friendship Salute: KIO
- 9 p.m.—Scenes from "King Henry VIII": GSC

Thursday, April 15

- 9 a.m.—"Under Big Ben," Howard Marshall: GSF GSD GSI
- 9:15 a.m.—I. M. Royal Air Force band: GSF GSD GSI
- 11:15 a.m.—"A Hundred Years Ago," John C. Maude: GSB GSD GSI
- 12:40 p.m.—BBC Scottish orchestra: GSB GSD
- 1:40 p.m.—Variety program, "The King's Pardon": GSB GSD GSI
- 3:20 p.m.—BBC dance orchestra: GSB GSC GSF
- 3:30 p.m.—Monitor views the news: W1XAL (11.79)
- 4 p.m.—Rebroadcast of selected subjects: W1XAL (11.79)
- 5 p.m.—Clifford Carson, piano: GSB GSD GSF
- 5:15 p.m.—Rendezvous of North, South, East and West: DJB DJD
- 5:45 p.m.—The Savoy bands: GSB GSD GSF
- 6:30 p.m.—Listeners and station broadcast together: DJB DJD
- 7 p.m.—Harmonium compositions: DJB DJD
- 7:30 p.m.—Helen Kester, songs: DJB DJD
- 7:45 p.m.—Talk, "Daily Life in Germany": DJB
- 8 p.m.—Dance orchestra: GSC GSD GSF
- 8:15 p.m.—Betty Boop: YV5RC
- 9 p.m.—Canadian hour: H125
- 9:10 p.m.—Story, "The Loss of Richmond Hill": GSC GSD GSF
- 9:25 p.m.—Technical tips for the radiolan: DJR

Friday, April 16

- 10 a.m.—Empire Follies, in "London Calling": GSF GSD GSI
- 11:45 a.m.—Alfredo Campoli's orchestra: GSB
- 12:25 p.m.—BBC theater organ: GSB GSD GSI
- 3 p.m.—Lenin's return from exile in 1917: RNE
- 3:20 p.m.—"Responsibilities of Empire": GSB
- 4 p.m.—Flute quartet by Mozart: DJB DJD
- 5 p.m.—Story, "The Pride of the Regiment": GSB GSD GSF
- 6 p.m.—Walter Sommermeyer, songs: DJB DJD
- 6:15 p.m.—Kathleen Moorhouse, cello: GSB GSD
- 6:30 p.m.—Listener's mail bag: W1XAL (6.04)
- 6:45 p.m.—Little theater: W1XAL (6.04)
- 7:30 p.m.—League of South American Women: W1XAL (6.1)
- 7:45 p.m.—Astronomy: W1XAL
- 8 p.m.—The world of poetry: W1XAL (6.04)
- 10 p.m.—Program from Tahiti: FOBA
- 10:45 p.m.—"New Zealand," Miss Bathie Stuart: W2XAF (9.53)
- 11 p.m.—DX Club: W8XK (6.14)

Saturday, April 17

- 8:55 a.m.—Modern English composers: GSF GSD GSI
- 11:30 a.m.—Orchestral concert for children: GSB
- 12 noon—Chapel organ: W2XAF (9.53) W2XAD (15.33)
- 12:25 p.m.—Football, Scotland vs. England: GSB GSD GSI
- 1 p.m.—METROPOLITAN OPERA: W1XAL (11.79) W2XAD (15.33) W2XAF (9.53) W8XK (15.21)
- 1:30 p.m.—BBC Presents the A.B.C.: GSD GSI
- 2 p.m.—Non stop Nonsense: GSB GSD GSI
- 2:45 p.m.—European post box: W1XAL (11.79)
- 3 p.m.—Program in German: W1XAL (11.79)
- 3:30 p.m.—Monitor news: W1XAL (11.79)
- 4 p.m.—World youth speaks: W1XAL (11.79)
- 4:30 p.m.—League of Nations: HBL HBP
- 5 p.m.—Program from Budapest: HAT4
- 5:45 p.m.—Voice from the mountains: HBO HBJ
- 6 p.m.—Conchita Ascanio, songs: YV5RC
- 6:15 p.m.—Cuban music: YV5RC
- 6:45 p.m.—Theater of the air: YV5RC
- 7 p.m.—Waltz hour: YV5RC
- 7:45 p.m.—Germany 4000 years ago: DJB DJD
- 8:15 p.m.—Dance music: DJB DJD
- 8:55 p.m.—The Vale of Everham: GSC GSD GSF
- 9 p.m.—English hour: HJ1ABP HJ4ABB
- 10 p.m.—Northern Messenger; messages to those in the Arctic: VE9DX CRX (6.09)

Times given in CST; for MST subtract one hour. Short-wave programs of American stations are shown along with the regular listings beginning on page 89. Those are indicated, for example, by (en-11.67) in parentheses following a program listing. This means that on 11.67 megacycles the same program may also be heard over an American short-wave station. Please note that foreign stations do not always adhere precisely to their announced program schedules.

News Broadcasts

- Daily—2:40 a.m., GSB, GSC, GSO: 2:45, TPA3; 3:45, TPA3; 5, LRU, TPA2; 6, TPA2; 6:55, GSF, GSG, GSH; 8, JZJ, TPA2; 10:30, GSF, GSG, GSH; 12 noon, GSB, GSD, GSI; 12:30 p.m., TPA3; 1:30, TPA3; 2, OLR3A; 3, GSB, GSC, GSF; 3:15, OLR3A; 4:15, EAQ; 5:30, EAQ2; 5:40, HPS3; 6, TPA4, RAN; 6:15, CSW; 6:30, EAQ2; 6:40, GSB, GSD, GSF; 7, TPA4; 7:15, HJB, DJD; 8, LRX; 9, COCD; 9:30, DJB, DJD, TPA4; 9:40, GSC, GSD, GSF; 9:45, CJRO, CJRX; 10:30, TPA4; 11:05, JZJ.
- Daily except Sundays—5 a.m., VK3NE; 6:30, VK3LR; 8, 2R04; 12:20 p.m., 2R03; 5, 2R03.
- Sun., Mon., Wed., Fri.—3 p.m., RNE, RV59.
- Sun., Tues., Wed., Fri, Sat.—7 a.m., ZBW (9.52 or 15.19).

Sunday, April 11

- 9:2 a.m.—English program from Siberia: RV15
- 9:30 a.m.—Fiji hour: VPD2
- 6:40 a.m.—In'l Church of the Air: COCQ
- 9:55 a.m.—Prgm. from Czechoslovakia: OLR4A
- 9:7 a.m.—Variety program: DJL
- 8 a.m.—Overseas hour for Australia: JZJ JZJ
- 8:30 a.m.—Mac Craven, soprano, and Adolph Halas, pianist: GSF GSD GSI
- 9:30 a.m.—Vatican City topics: HVJ
- 11:15 a.m.—Albert Sandler's orch.: GSD GSI
- 12:30 p.m.—Program from Belgium: ORK
- 12:40 p.m.—Iceland hour: TFJ
- 1:15 p.m.—Isle de Menes, viola: GSB GSD GSI
- 1:25 p.m.—Czechoslovakian program: OLR3A
- 1:55 p.m.—St. Paul's services: GSB GSD GSI
- 3 p.m.—From the first All-Russian Congress of Soviets of Workers and Soldiers: RNE
- 3:30 p.m.—Devotional period: W1XAL (6.04)
- 4 p.m.—Talk about German mountains: DJB DJD
- 4:15 p.m.—Training for public services: W1XAL (11.79)
- 4:30 p.m.—What's doing in science: W1XAL (11.79)
- 5 p.m.—Dance music: LRX
- 5:15 p.m.—Call of Far Horizons: W1XAL
- 6 p.m.—Broadcast from Moscow: RAN
- 6:15 p.m.—Sound pictures: DJB DJD
- 6:30 p.m.—Folk songs: DJB DJD
- 7 p.m.—Two Hours with Cuba: COCO
- 7:30 p.m.—League of German Girls: DJB DJD
- 8 p.m.—Religious services: GSC GSD GSF
- 8:15 p.m.—OPERA, ACT III OF "PARSIFAL," Richard Wagner: DJB DJD
- 8:30 p.m.—Dance music: LRX
- 9 p.m.—Music appreciation hour: HRN
- 9:10 p.m.—Scottish golfers: GSC GSD GSF
- 9:11 p.m.—Overseas hour (Pacific coast): JZJ

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

Monday, April 12

- 8:7 a.m.—Siamese broadcast: HSBPJ (19.02)
- 8:7 a.m.—Oriental program ZBW3 (9.525)
- 8:25 a.m.—"The Twilight Serenaders," musical story: GSF GSD GSI
- 9:30 a.m.—Harry Engelman's quartet: GSF GSD
- 11:30 a.m.—Polish hour: SPW
- 12:20 p.m.—Reginald King's orch.: GSB GSD
- 1 p.m.—Gerald's orchestra: GSB GSD GSI
- 1:45 p.m.—The Strange Adventures of Mr. Penny: GSB GSD GSI
- 2 p.m.—Alannah Drifus, pianist: GSB GSD GSI



Log of Short-Wave Stations  
Whose Programs Are Listed

(Megacycles as thousands of kilocycles shown)

CBC, Chile	10.47	JVM, Japan	14.9
CERO, Canada	0.15	JVN, Japan	10.60
CJRX	11.72	JZI	0.525
CCCD, Cuba	6.12	JZJ	11.40
CCCO	6.01	JZR	15.70
COGQ	9.75	KIO, Hawaii	11.05
CSW, Portugal	5.94	KKM	5.33
DJB, Germany	15.30	KKP	10.00
D/C	6.02	LRU, Argentina	15.50
DJD	11.77	LRX	9.64
DJL	10.11	LSX	10.35
EAQ, Spain	9.97	OLR3A, Czechoslovakia	9.55
EAQ2	9.43	OLR4A	11.44
EAPAH, Spanish Mexico	14.945	OLR4A	10.30
FOSAA, Tahiti	7.11	PKJ, Holland	9.89, 10.27
GSA, Zealand	6.05	PHI	11.775
GSE	9.51	PRADO, Ecuador	8.82
GSC	9.38	PRF3, Brazil	3.30
GSD	11.75	RAN, Russia	9.80
GSE	10.14	RNE	10.00
GSG	17.79	RW15	4.75
GSH	21.47	RW59	6.00
GSI	15.86	SPW, Poland	12.64
GSL	6.11	TFF, Iceland	12.23
GSO	15.18	LIPG, Costa Rica	0.51
GSP	16.31	TIANHUI	9.085
HAA3, Hungary	15.37	TPA2, France	10.34
HAT4	9.12	TPA3	11.72
HBJ, Switzerland	14.325	TPA4	11.71
HBL	6.00	TR03, Italy	9.035
HBP	11.402	TR04	11.51
HCCW, Ecuador	6.80	VERDN, Canada	6.085
HCSRL	6.04	VK3ME, Australia	9.58
HMS, Haiti	5.905	VK3ME	9.51
HIN, Dominican Republic	6.243	VPD2, Fiji	9.54
HJIANE, Columbia	6.5	WIAL, Boston, Mass.	15.25, 11.70 and 9.94
HJIAEP	9.618	XECR, Mexico	7.35
HJW	9.51	XFTT	6.12
HJW2, Panama	7.60	YV5EC, Venezuela	6.70
HNM, Honduras	6.87	ZBW3, China	8.205
HSSP, St. Peter and St. Paul	9.35, 10.00	ZHW4	12.19
HVJ, Vatican City	15.12		

Time given is CST; for MST 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 (w-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.

News Broadcasts

Daily—1:55 a.m., GSB, GSG, GSD; 2:40, GSB, GSG, GSD; 3:45, TPA3; 4:45, TPA3; 5:10, TPA2; 6: TPA2; 6:55, GSF, GSG, GSH; 7:30, GSF, GSG, GSH; 8: JZJ, JZJ, 10:10, GSF, GSG, GSH; 10:30, GSF, GSG, GSH; 12 noon, GSB, GSD, GSI; 12:30 p.m., TPA3; 1:30, TPA3; 2: OLR3A; 3, GSB, GSG, GSF; 3:15, OLR3A; 4:15, EAQ; 5:30, EAQ2; 5:40, HP5A; 6, TPA4, HAN; 6:15, GSW; 6:30, EAQ2; 6:40, GSB, GSH, GSF; 7, TPA1; 7:10, GSB, GSD, GSI; 7:15, DJB, DJI; 8:10, GSB, GSD; 9:30, DJB, DJI, TPA4; 9:40, GSB, GSD; 9:50, GSB, GSD, GSH; 10:30, TPA4; 11:05, JZJ.

Daily except Sundays—5 a.m., VK3MY; 6:30, VK3LR; 8, DJB; 12:20 p.m., TR03; 5, DJI.

Son., Mon., Wed., Fri.—3 p.m., RNE, RV59.

Sun., Tues., Wed., Fri., Sat.—7 a.m., ZBW (9:52 or 15:19).

Sunday, April 18

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

\*4:30 a.m.—Pop hour: VPD2

\*6:40 a.m.—Int'l Church of the air: COXQ

\*6:55 a.m.—Program from Czechoslovakia: OLR4A

\*7 a.m.—Variety program: DJL

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

\*9:20 a.m.—St. Paul's services: GSF GSG GSH

\*9:30 a.m.—Vatican City tapes: HVJ

\*11:20 a.m.—Willy Walker's net: GSB GSD GSI

\*12:30 p.m.—Program from Belgium: ONK

12:40 p.m.—Island hour: YFJ

1 p.m.—Baptist Chapel services: GSB GSD GSI

\*1:30 p.m.—Czechoslovakian variety: OLR3A

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

3 p.m.—Arrest of Stalin in Batum, 1902: RNE

3:15 p.m.—Covered Wagons of Laredo: WIAL (11.79)

4 p.m.—Children's hour: DJB DJI

4:15 p.m.—"Americana," Saville Davis: WIAL (11.79)

4:30 p.m.—"Who is laughing there?": DJB DJI

5 p.m.—"Introductory Friendship," Mrs. Litz Dexter Owen: WIAL (11.79)

5:15 p.m.—Our Sunday concert: DJB DJI

5:30 p.m.—The Story of Patriotic Days: WIAL (11.79)

5:45 p.m.—162nd ANNIVERSARY OF PAUL REVERE'S BIDE: WIAL (11.79)

\*6 p.m.—Broadcast from Moscow: RAN

\*6:15 p.m.—Sound pictures: DJB DJI

6:30 p.m.—Two Hours with Cuba: COXQ

7 p.m.—Folk songs: DJB DJI

7:30 p.m.—Hitler Youth program: DJB DJI

8:15 p.m.—Compositions by Tchaikovsky: DJB

\*8:30 p.m.—Chamber music: LRX

9 p.m.—Music appreciation hour: HIN

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

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

Monday, April 19

87 a.m.—Siamese breakfast: HJ3P2 (19.02)

87 a.m.—Oriental variety: ZHW3 (9.525)

8:15 a.m.—Barry Parrott, organ: GSF GSG GSH

10:30 a.m.—Shows in Helsinki: GSF GSG GSH

11:30 a.m.—Polish hour: SPW

# SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

SHORT-WAVE reception during the past few days has been the poorest in weeks. Signals in general have been weak, noise level high and Summer static noticeable even on the 25-meter band. Despite this, however, European stations continue to provide quite satisfactory reception. EAQ-2 (9.403) of Madrid, Spain, is particularly noteworthy in that it is providing consistently heard signals of remarkable strength. DJD (11.77), at the moment, is furnishing the best entertainment value of the Zeceon stations, while GSD (11.75), with slightly weaker signals, is the best of Daventry's evening transmitters. TPA4 (11.714), Pontoise, France, is well heard from 9 p.m. EST (8 p.m. CST) to sign-off. The Czechoslovakian transmissions to North America, Mondays and Thursdays, commencing at 8 p.m. EST (7 p.m. CST), are enjoyable at present over OLR4A (11.84). Morning reception on the 16-meter band has improved considerably with GSG (17.79), Daventry, the best of the group. Reception from the Antipodes has been weak and unsatisfactory, with PLP (11), Bandoeng, Java, and VK3LR (9.58), Melbourne, Australia, still being received with fair strength.

VK3ME (9.59) of Perth, West Australia, is now operating week-days from 6 to 8 a.m. EST (5 to 7 a.m. CST).

BEGINNING Sunday, April 18, the transmissions from the BBC Empire Broadcasting Stations at Daventry will be according to the following revised schedule:

Transmission 1, directed upon the Antipodes and the Far East, daily from 1:30-1:45 a.m. EST (12 mid-2:15 a.m. CST), over GSG (17.79), GSO (15.15) and GSB (9.51); Transmission 2, directed towards India, Ceylon, Malaya and the Far East, daily from 5:45-8:55 a.m. EST (4:45-7:55 a.m. CST), over GSH (21.47), GSG (17.79) and GSF (15.14); Transmission 3, directed towards India, Burma and Ceylon, daily from 9:15 a.m.-12 noon EST (8:15-11 a.m. CST), over GSH (21.47), GSG (17.79) and GSF (15.14); Transmission 4, directed towards Africa and the Near East, daily from 12:30-3:45 p.m. EST (11:30 a.m.-12:45 p.m. CST) over GSI (15.26), GSD (11.75) and GSB (9.51) and towards Africa, West Indies and South America, daily from 4:4 p.m. EST (3:5 p.m. CST), over GSF (15.14), GSD (11.75) and GSB (9.51); Transmission 5, directed towards North America, daily from 6:20-8:30 p.m. EST (5:20-7:30 a.m. CST), over GSF (15.14), GSD (11.75) and GSB (9.51); Transmission 6, directed towards Western North America, daily from 9:11 p.m. EST (8:10 p.m. CST), over GSF (15.14), GSD (11.75) and GSG (9.5).

The new Daventry super-power transmitters are completed and tests will probably be in progress by the time this column reaches you. A new Daventry frequency, GST ("T for transmitter") of 21.55 megs, will be brought into use this Summer. Identification words used in connection with Daventry's various frequencies are as follows: GSA for Aerial, GSB for

12:20 p.m.—English letter box: ZR03

12:45 a.m.—Adventures of Mr. Penny: GSB GSD

3 p.m.—Request hamalists: The role of trade unions in socialist economy: RNE

3:20 p.m.—"Gerrard Ready for the Coronation," Howard Marshall: GSB GSD GSF

3:40 p.m.—"OPERA," "OTELLO," Verdi: GSB GSD

4:55 p.m.—Science News: WIAL (11.79)

4 p.m.—Views of the News: WIAL (11.79)

4:30 p.m.—Army band concert: DJB DJI

5 p.m.—Merry hour: DJB DJI

5:30 p.m.—Modern Radio Course: WIAL (6.04)

7:45 p.m. (ex. Sat.)—Jorge Lral, Spanish commentator: W2XK (15.27)

6 p.m.—BBC Empire orchestra: GSB GSD GSF

6:15 p.m.—Berlin America First: W2XAF (9.53)

6:30 p.m.—Light music: DJB DJI

Broadcasting, GSC for Corporation, GSD for Daventry, GSE for Empire, GSF for Fortune, GSG for Greeting, GSH for Home, GSI for Ireland, GSJ for Justice, GSK for King, GSL for Liberty, GSO for Ocean, GSP for Progress and GST for Transmitter.

Japan will have its new 20,000-watt short-wave transmitter on the air before the end of this year.

The new Illinois state police radio network consisting of WQPC, Chicago; WQPG, Sterling; WQPP, Pontiac; WQPM, Macomb; WQPS, Springfield; WQPF, Effingham and WQPD, DuQuoin, each operating on a frequency of 1610 kilocycles with a power of 1,000 watts, was officially inaugurated on April 9.

The Australian government is contemplating high-power short-wave stations capable of disseminating throughout the world an Australian official news and publicity service. The plan calls for a group of six separate transmitters and a network of twelve semi-beam type aeriels.

A VERIFICATION received by G. W. Rockwell, Halifax, Nova Scotia, states that PJC1 are the call letters of the new short-wave station owned by the Curacaoische Radio Vereeniging at Willemstad, Curacao, Dutch West Indies. The former frequency of 9.47 megs has been abandoned on account of interference, in favor of 5.83 megs, but a new frequency on the 31-meter band will be utilized just as soon as a crystal can be ground. The station operates daily from 6:36 to 8:36 p.m. EST (5:30 to 7:30 p.m. CST).

CQN, Mincso, is reported to be operating on a new frequency of 10.065 megs, where it is being heard weakly on Mondays and Fridays from 7 to 8:30 a.m. EST (6 to 7:30 a.m. CST).

HCJB, "The Voice of the Andes" and the pioneer missionary broadcaster in South America, located at Quito, Ecuador, at present broadcasts simultaneously on 4.107 and 8.948 megs daily from 7:30 to 8:45 a.m. EST (6:30 to 7:45 a.m. CST), and daily except Mondays from 11:30 a.m. to 2:30 p.m. and from 5 to 10 p.m. EST (12:30 to 3:30 p.m. and from 6 to 11 p.m. CST).

R. B. Oxlioder, State College, Penn., reports an unidentified Mexican on 11.92 megs . . . XEYU (9.005), University of Mexico, Mexico, D. F., is operating from 7 to 10 p.m. EST (6 to 9 p.m. CST) . . . XEDQ of Guadalajara, Mexico, has shifted to approximately 9.45 megs . . . XEBR (11.826) of Hermosillo, Mexico, has been testing at 2 p.m. EST (1 p.m. CST), with greatly increased power, according to Clyde Criswell, Phoenix, Ariz.

87 p.m.—Czechoslovakian variety: OLR4A

7:30 p.m.—Little German reader: DJB DJI

7:45 p.m.—Amateur hour: YV5RC

8 p.m.—Wynford Reynolds artist: GSC GSD GSF

8:15 p.m.—Opera, "The Girls and No Men," Franz von Suppe: DJB DJI

8:30 p.m.—Sea Melody orchestra, YV5RC

9 p.m.—DX program: HJIAHE

12 mid.—Hawaii Calls: KRH

Tuesday, April 20

8:15 a.m.—"World Affairs," H. V. Hobbs: GSF

8:40 a.m.—THE FIFTH MASK, sketch: GSF GSG

11:25 a.m.—BBC Empire orch: GSB GSD GSI

12:35 p.m.—Songs of Old England: GSB GSD GSI

3:20 p.m.—Chamber music and poetry: GSC GSD

4 p.m.—Children's hour: DJB DJI

5 p.m.—Five songs by Paul Gruber: DJB DJI

5:30 p.m.—Musical period: WIAL (6.04)

5:45 p.m.—Camera Workshop: WIAL (6.04)

6:20 p.m.—Bibi Bisset's Canadiana: GSB GSD

6:30 p.m.—"An Apostle of Emerson," Robert May: all WIAL (6.04)

12:45 p.m.—World American program: PAQ

1 p.m.—"Astronomical Tests of the Theory of Relativity," Bart J. Bok: WIAL (6.04)

8:15 p.m.—Festivities for April 20: DJB DJI

9:10 p.m.—H. Robinson Cleaver, organ: GSC GSD

10 p.m.—Program from Tahiti: FOSAA

Wednesday, April 21

10:30 a.m.—BBC dance orchestra: GSF GSG GSH

11:20 a.m.—Mantovani's orchestra: GSB GSD GSI

11:40 a.m.—Twelve Months Back: GSB GSD GSI

1:55 p.m.—Tommy Matthews' concert with: GSB

2:30 p.m.—"The Romantic and Impressionist Aspects of Landscape Painting in Music," Dr. Hans Leveltstritt: WIAL (11.79)

2:30 p.m.—"Responsibilities of Empire," Lord Noel: GSB GSD GSI

3 p.m.—The Soviet education system; Children's and student's songs: RNE

4 p.m.—Vers of the News: WIAL (11.79)

4:35 p.m.—Tim Wright's band: GSB GSD GSF

5 p.m.—Symphony concert: DJB DJI

5:30 p.m.—OPERA, Royal Opera House: 2003

6 p.m.—Program from Budapest: HAT4

6:15 p.m.—Autumn Aerials, tenor: 2003

6:30 p.m.—German streams: DJB DJI

7 p.m.—Girl students building a house: DJB DJI

7:30 p.m.—Flourishes of famous Latin American Writers: WIAL (6.1)

7:45 p.m.—U. S. A. and Canada in the Brick: DJB DJI

8 p.m.—National Tourist program: TTPG

8:11 a.m.—Pop trio: DJB DJI

8:30 p.m.—Morris Meyers band: GSC GSD GSF

8:30 p.m.—Friendship Sabers: KIO

9 p.m.—Chamber music: DJB DJI

Thursday, April 22

8:30 a.m.—Music trio: TPA2

10:30 a.m.—BBC dance orchestra: GSF GSG GSH

12:40 p.m.—Pops, "The Quaker Girl": GSB GSD

2:05 p.m.—Jack Payne's band: GSB GSD GSI

2:30 p.m.—Vers of the news: WIAL (11.79)

3 p.m.—Selected subjects: WIAL (11.79)

3:20 p.m.—Orchestra Rhapsodie: GSB GSD GSF

4 p.m.—Light music: DJB DJI

5 p.m.—Albert Hellman, baritone: DJB DJI

5:15 p.m.—CHIEF OPERA, "THE BARBER OF SEVILLE": DJB DJI

5:30 p.m.—"An Ulster Notebook," Denis Ireland: GSB GSD GSF

5:45 p.m.—Burr Boyer, baritone: GSB GSD GSF

6:30 p.m.—Berard Crook quartet: GSB GSD GSF

7 p.m.—Mario Stephana, songs: DJB DJI

7:30 p.m.—Juan Alvarado, song: YV5RC

8:15 p.m.—Betty Boop: YV5RC

8:30 p.m.—Variety hour: DJB DJI

8:55 p.m.—Crowning the King: GSC GSD GSF

9 p.m.—Canadian hour: HJNS

9:25 p.m.—Adventures of Mr. Penny: GSB GSD

Friday, April 23

7:15 a.m.—ANNUAL SHAKESPEARE BIRTHDAY CELEBRATION: GSF GSG GSH

9 a.m.—St. George's England 1937: GSF GSG

11:20 a.m.—ST. LOUIS SYMPHONY ORCHESTRA: GSB GSD GSI

11:30 a.m.—Music of the Western Isles: GSB GSD

1:40 p.m.—Speech by Lord Howard: GSB GSD

3 p.m.—Lenny's birthday and his favorite songs; Shakespeare in the Soviet Union: RNE

4 p.m.—Alfred the eelherb: DJB DJI

4:30 p.m.—Bibi Gerhardt's band: GSB GSD GSF

5 p.m.—Johann Strauss plays the piano: DJB

5:30 p.m.—Linnora's mail bag: WIAL (6.04)

6 p.m.—"Bosse's Midnight Voice": 2003

6:15 p.m.—Sails and Sails: WIAL (6.04)

6:45 p.m.—Simple astronomy: WIAL (6.04)

7 p.m.—The world of poetry: WIAL (6.04)

7:45 p.m.—German spots: DJB DJI

8 p.m.—Venezuelan concert orchestra: YV5RC

8:15 p.m.—Army songs: DJB DJI

8:55 p.m.—Inhabler's Fals City: GSC GSD GSF

10 p.m.—Program from Tahiti: FOSAA

10:45 p.m.—"New Zealand," Miss Basher Stuart: W2XAF (9.53)

11 p.m.—IX Club: WENK (6.14)

Saturday, April 24

10:30 a.m.—Variety program: GSF GSG GSH

12 noon—Chapel organ: W2XAF (9.53), W2XAD (15.33)

12:15 p.m.—INTERNATIONAL SYMPHONY CONCERT: WIAL (11.79)

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

2:30 p.m.—World wide news: WIAL (11.79)

3 p.m.—World youth speaks: WIAL (11.79)

3:55 p.m.—James Brown, clarinet: GSB GSD GSF

4:30 p.m.—League of Nations: HBL, HBP

4:40 p.m.—Henry Hall's music makers: GSB GSD

5 p.m.—Program from Budapest: HAT4

5:45 p.m.—Hans George Nagels: HBB HBJ

6 p.m.—Mantovani's tiger orch: HSB GSD GSF

6:15 p.m.—Cuban music: YV5RC

6:30 p.m.—Life of Annie of Prussia: DJB DJI

6:45 p.m.—Theater of the Air: YV5RC

7 p.m.—Walk hour: YV5RC

8 p.m.—"TOBY, The Pride of the Regiment": GSC GSD GSF

8:15 p.m.—Club of Nations: DJB DJI

9 p.m.—English hour: HJIAHE HJIAHB

10 p.m.—Northern Messenger; messages to those in the Arctic: VERDN, CRX (6.09)



Log of Short-Wave Stations

Whose Programs Are Listed  
(Megacycles or thousands of kilocycles shown)

CEC, Chile	10.87	JVN, Japan	14.8
CJRO, Canada	6.19	JVN, Japan	10.08
CJRX, "	11.72	JZL, "	9.375
COCB, Cuba	6.15	JZL, "	11.60
COCO, "	6.41	JZL, "	11.30
COCQ, "	6.78	KID, Hawaii	11.23
COSW, Portugal	8.94	KKH, "	7.52
DJZ, Germany	15.20	KKP, "	16.03
DSC, "	6.02	LBU, Argentina	13.25
DUD, "	11.77	LKX, "	9.46
DUL, "	15.11	LKX, "	10.35
EAQ, Spain	9.87	OLR3A, Czechoslovakia	8.55
EAQ-2, "	9.48	OLR4A, "	11.34
KAPAB, Spanish Morocco	14.045	ORX, Belgium	10.33
FOAAA, Tahiti	7.11	PCJ, Holland	9.85
GSA, England	6.05	PHI, "	17.775
GSR, "	8.51	PRADO, Ecuador	6.02
GSC, "	8.68	PRF6, Brazil	9.50
GSD, "	11.75	RAN, Russia	6.00
GSE, "	15.14	RNE, "	12.00
GSO, "	17.79	RV15, "	4.775
GSM, "	21.47	RV25, "	6.00
GSL, "	13.28	SPW, Poland	12.64
GSI, "	6.11	TJZ, Iceland	12.23
GSO, "	15.18	TJFG, Costa Rica	6.41
GSP, "	15.23	TJNRH, "	9.089
KASZ, Hungary	15.87	TPA2, France	15.89
KAT4, "	9.12	TPA2, "	11.85
KBJ, Switzerland	14.325	TPA4, "	11.71
HBL, "	8.00	ZRO1, Italy	9.525
HBO, "	11.402	ZRO4, "	11.81
HBP, "	7.80	YEDM, Canada	9.005
HCPW, Ecuador	8.20	YKME, Australia	8.59
HCSZL, "	6.04	YKSL, "	8.51
HMS, Haiti	5.925	YKME, "	8.51
HIN, Dominican Republic	6.143	WIXAL, Boston, Mass.	11.775
HJABE, Colombia	9.5	15.25, 11.75 and 6.04	
HJABF, "	9.51	XFCN, Mexico	7.38
HJU, "	9.11	XEFT, "	6.12
HJPAJ, Panama	9.00	YVSRG, Venezuela	5.80
HRN, Honduras	8.27	ZBW3, China	9.885
HSPJ, Siam	9.35, 19.98	ZBW4, "	14.19
HVJ, Vatican City	13.12		

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

News Broadcasts

Daily—1:25 a.m., GSB, GSO, GSG; 2:40, TPA3; 5, TPA2; 7:30, GSF, GSG, GSH; 8:40, JZL, JZJ; 10:10, GNF, GSG, GSH; 12 noon, GSL, GSB, GSD; 1:10 p.m., TPA3; 2, OLR3A, 3, GSB, GSD, GSF; 5:30, EAQ-2; 5:40, HPSJ; 6, RAN; 6:15, CSW; 6:30, LAQ-2; 7:30, GSB, GSO, GSF; 7:15, DJB, HJD; 9:30, DJB, HJD, TPA4; 9:40, GSC, GSD, GSF, OLR4A; 9:45, GHO, CJRX; 11:40, JZJ.  
Daily except Sundays—5 a.m., VK6ME, 6:30, VK3LN; 8, ZRO4; 12:20 p.m., ZRO4; 5, ZRO3, Sun., Mon., Wed., Fri.—2 p.m., RNE.  
Sun., Tues., Wed., Fri., Sat.—7:30 a.m., ZHW3

Sunday, April 25

\*2 a.m.—English programs from Siberia, RV15  
\*4:30 a.m.—Fil 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: YV5HC  
\*8 a.m.—Overseas hour for Australia: JZJ, JZJ  
8:30 a.m.—Reginald Foot, organist: GSF, GSG  
\*9:30 a.m.—Vatican City teletext: HVJ  
10:30 a.m.—Eastbourne Municipal orch.: GSO, 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: GSO, GSI  
2:30 p.m.—Devotional period: WIXAL (11.79)  
3 p.m.—The story of Budweiser, 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," Valney Hood; 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: LKX  
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: LKX  
8:50 p.m.—Henry Brinkhurst's trio: GSC, GSD  
9 p.m.—Music appreciation hour: HBN  
\*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.—Summer broadcast: HSPJ (19.07)  
87 a.m.—Oriental variety: ZHW3  
8:45 a.m.—Review, "All in Fock": GSF, GSG, GSH  
11:30 a.m.—Folk hour: SPW  
12:20 p.m.—English letter box: ZRO3  
12:45 p.m.—Adventures of Mr. Pecos: GSD, GSI  
1:20 p.m.—Herman and Plumtree revue: GSB, GSD, GSI  
12:55 p.m.—Science News: WIXAL (11.79)  
3:15 p.m.—Light opera excerpts: GSB, GSD, GSF  
4 p.m.—Houston news: WIXAL (11.79)  
4:15 p.m.—Low Stone's orchestra: GSB, GSD, GSF  
14:45 p.m. (Fr., Sat.)—Jorge Lora, Spanish commentator: W2NE (11.27)

# 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 (9.468), 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 (10.25) 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).

H1X (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 H1X (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.—Madness radio course: WIXAL (6.04)  
6 p.m.—"Traveling in Java, Bali and Sumatra," Countess Barbara: ZRO3  
6:30 p.m.—New radio voice: DJB, HJD  
87 p.m.—Czechoslovakian variety: OLR4A  
7:30 p.m.—Little German reader: DJB, HJD  
7:45 p.m.—Amateur hour: YV5HC  
8 p.m.—BBC dance orch.: GSC, GSD, GSF  
8:30 p.m.—Sea Melody orch.: YV5HC  
9 p.m.—DX tuning news: HJ1ABE

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 megacycles. 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. Orriender, State College, Penn., notes that the new broadcaster Radio CUROM, of Curacao, Dutch West Indies, is now heard on 5.947 megacycles.

SWISS Station HB9BG (7.3) is broadcasting on Friklays 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 megacycles.

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  
12:45 a.m.—Hawaii Calls: KKH

Tuesday, April 27

6:45 a.m.—"Crowning the King," talk by Wind-see Castle librarian: GSF, GSG, GSH  
8:15 a.m.—World affairs talk: GSF, GSG, GSH  
11:35 a.m.—Benard Crook quartet: GSD, GSI  
12:50 p.m.—BBC orchestra: GSB, GSD, GSI  
3:20 p.m.—Alfredo Czapal's orchestra: GSB, GSD

4 p.m.—Billy Corin orchestra: GSB, GSD, GSI  
4:15 p.m.—Lithuan's 150th birthday: DJB, HJD  
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.—Strutgart, as it was and is: DJB, HJD  
6:40 p.m.—North Country songs: GSB, GSD, GSF  
6:45 p.m.—Mailed American operetta: LAQ-2  
7 p.m.—"Government Regulation of Industry," Prof. Mason: WIXAL (6.04)  
7:30 p.m.—H. Y. program: DJB, HJD  
7:45 p.m.—Gay folk music: DJB, HJD  
8:15 p.m.—Li Stadelmann, cybalist: DJB, HJD  
8:45 p.m.—Folk music: DJB, HJD  
9:20 p.m.—Arona Women's Winners: GSC, GSD  
10 p.m.—Program from Tahiti: FOAAA

Wednesday, April 28

5 a.m.—"CONFERRING THE FIELDOM 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.—Folkman's spacke 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.—Yakuta in 1917—Soviet Yakuta in 1937: RNE  
3:40 p.m.—BBC dance orchestra: GSB, GSD, GSF  
4 p.m.—Amateur news: WIXAL (11.79)  
4 p.m.—Light music: DJB, HJD  
5 p.m.—Songs and dances: DJB, HJD  
5:30 p.m.—Opera from Royal Opera House: ZRO3  
6 p.m.—Biographies of famous Latin American writers: WIXAL (6.1)  
7:30 p.m.—Press review: DJB, HJD  
7:45 p.m.—Yalla lirishim, songs: DJB, HJD  
8 p.m.—National Tourist program: TTPG  
8:15 p.m.—SOLAR ECLIPSE EXPEDITION: K10, KKP  
8:20 p.m.—Herbert Fryer, pianist: GSC, GSD, GSF  
8:30 p.m.—OPERA, "THE TWO MISERS," Gresty: DJB, HJD

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.—Frene Kahler, pianist: GSF, GSG, GSH  
12:40 p.m.—Spencer Dyke quartet: GSB, GSD  
1:40 p.m.—Scotts variety program: GSB, GSD, GSI  
4 p.m.—Amateur news: WIXAL (11.79)  
4:15 p.m.—Harry Boy's band: GSB, GSD, GSF  
4:30 p.m.—Karl Heinrich Waggerl, poet: DJB, HJD  
5 p.m.—Beatrice Ross Hunter, soprano: DJB, HJD  
5:15 p.m.—How is a popular love song?: DJB  
6:15 p.m.—BOSTON CIVIC SYMPHONY ORCHESTRA: WIXAL (11.79)  
7:30 p.m.—John Alexander, singer: YV5HC  
7:45 p.m.—German Reconstruction: DJB, HJD  
8:15 p.m.—Betty Boop: YV5HC  
9 p.m.—Canadian hour: HJ25  
9:10 p.m.—Tommy Matthews' concert orchestra: GSC, GSD, GSF

Friday, April 30

9 a.m.—Nourise songs: 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 Dzwowski's band: GSB, GSD, GSF  
4:30 p.m.—Press review: DJB, HJD  
5 p.m.—Bronx band: DJB, HJD  
5:30 p.m.—Request program: ZRO3  
5:45 p.m.—Little theater: WIXAL (6.04)  
6 p.m.—Rome's Midnight Voice: ZRO3  
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 Bisetti'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: YV5HC  
7:45 p.m.—Interviews of the month: DJB, HJD  
8:55 p.m.—Music of the Western Isles: GSC, GSD  
10 p.m.—Program from Tahiti: FOAAA  
11 p.m.—DX Club: W8XN (6.15)

Saturday, May 1

10:30 a.m.—RHODOKLANDS AUTO 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 Academic 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, GSF  
4:30 p.m.—League of Nations: HBL, HBP  
5 p.m.—Program from Budapest: HATA  
5:20 p.m.—London Log: GSB, GSD, GSF  
5:30 p.m.—"Saturday Pops": orchestra and soloists: GSB, GSD, GSF  
5:45 p.m.—Studio party: HBO, HJD  
6 p.m.—Cordelia Alvarez, songs: YV5HC  
6:15 p.m.—Folain music: YV5HC  
6:30 p.m.—Football Association Cup Final: GSB, GSD, GSI  
6:45 p.m.—Theater of the air: YV5HC  
7 p.m.—Waltz hour: YV5HC  
8:30 p.m.—Program from Hawaii: KKP  
9 p.m.—English hour: HJ1ABP, HJ4ABH  
10 p.m.—Northern Messenger, messages to those in the Arctic: YV5HC, CRX (6.09)



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

(Megacycles or thousands of kilocycles shown)			
CFC, Chile	16.87	HVJ, Vatican City	16.35
CRO, Canada	6.18	JVM, Japan	16.0
CJRX, "	11.78	JVK, Japan	10.65
COCU, Cuba	6.13	JZJ, "	9.330
COCQ, "	6.01	JZJ, "	11.90
COCQ, "	6.75	JZK, "	10.16
CSW, Portugal	9.94	KIO, Hawaii	13.45
DFB, Germany	15.30	KKH, "	7.12
DPC, "	6.08	KKP, "	10.03
DID, "	11.77	LBU, Argentina	10.29
DLE, "	15.11	LHX, "	8.08
EAQ, Spain	9.87	LXZ, "	10.26
EAQ-2, "	9.49	OLRAA, Czechoslovakia	9.55
EASAD, Spanish Morocco	16.645	OLRAA, "	11.34
FOAAA, Tahiti	7.11	ORR, Belgium	10.33
GSA, England	6.05	PCJ, Holland	5.50, 10.28
GSH, "	6.51	PHI, "	17.77
GSC, "	6.58	PHADO, Ecuador	6.92
GND, "	11.75	PIFA, Brazil	9.50
GSI, "	12.14	RAN, Russia	9.20
GSO, "	15.78	RNF, "	12.00
GSH, "	21.47	RV15, "	4.273
GSL, "	11.26	RV59, "	6.00
GST, "	21.53	SPW, Poland	13.94
GSL, "	6.11	TJF, Iceland	12.27
GSO, "	15.18	TIPD, Costa Rica	6.41
GSP, "	15.31	T14NFM, "	9.08
HARJ, Hungary	15.97	TPAF, France	10.34
HAT4, "	9.12	TPA3, "	11.31
HJZ, Switzerland	14.333	TPA4, "	11.31
HBL, "	9.50	TRDI, Italy	9.63
HBO, "	11.07	TRDI, "	11.81
HIS, "	7.80	VFDOS, Canada	6.005
HJCSW, Ecuador	6.50	VK3ME, Australia	6.50
HCSB, "	6.50	VK3LE, "	9.53
HJBS, Haiti	6.88	VK3ME, "	9.51
HJN, Dominican Republic	6.243	YPOZ, Fiji	9.44
HJABE, Colombia	6.3	WIXAL, Boston, Mass.	11.26, 11.79 and 13.04
HJABP, "	9.618	XICR, Mexico	7.38
HJU, "	9.51	XEFT, "	6.12
HJAJ, Panama	6.00	YV5RC, Venezuela	5.50
IKH, Honduras	5.87	ZBW3, China	9.525
IKSPJ, Siam	9.35, 10.02	ZHW4, "	14.19

This given is CST; for CDT add one hour. Short-wave programs of American stations are shown along with the regular listings beginning on page 29. Those are indicated, for example, by (x-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.

**News Broadcasts**

Daily—12:25 a.m., GSB, GSO, GSG, GSD; 2:40, TPA3, 5, TPA2, 7:30, GSI, GSO, GSG, GSH; 5:40, JZJ, JZJ, 10:10, G-3, GSF, GSG, GSH; 12 noon, GSG, GSI, GSB, GSD, 1:10 p.m., TPA3, 2, OLR4A; 3, G-0, GSB, GSG, GSF, 3:15, JZJ, 5:30, EAQ 2, 5:40, HPSJ, 6, RAN; 6:15, CSW; 6:30, EAQ 2; 7:10, GSH, GSD, GSI, GSO; 7:15, DJB, DJD; 9:30, DJB, DJD, TPA4, 9:40, GSC, GSI, GSL, GSB, OLR4A; 9:45, CRO, CJRN; 11:40, JZJ.  
Daily except Sundays—5 a.m., VK3ME, 6:30, VK3LE; 8, ZHO4, 12:20 p.m., ZHO4, 5, ZHO2.  
Sun., Mon., Wed., Fri.—3 p.m., HNE.  
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: DJJ  
\*8 a.m.—Overseas hour for Australia: JZK JZJ  
8:20 a.m.—BBC Midland orchestra: GSI GSG  
9 a.m.—Edith Peacock, flute; Gerald Gover, piano: GSI GSG GSF GSH  
\*9:30 a.m.—Catholic City tapes: HVJ  
11:30 a.m.—Program from Belgium: ORR  
11:40 a.m.—Touze and his mandolins: 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 ENDEBURY ISLAND: KKP (12:52)  
2:30 p.m.—Devotional period: WIXAL (11.79)  
3 p.m.—President's study: WIXAL (11.79)  
3:25 p.m.—Fred Hardy's recital: GSG GSG GSF  
4 p.m.—World's Week: WIXAL (11.79)  
4:30 p.m.—Wellesley College Verse Speaking club: WIXAL (11.79)  
5:15 p.m.—Whitson 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  
\*7 p.m.—Empire artists: GSB GSG GSI GSD  
\*8:30 p.m.—Dance music: LBN  
\*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**

47 a.m.—Siamese broadcast: IKSPJ (19.02)  
47 a.m.—Oriental variety: ZBW3 (9.525)  
1:15 a.m.—Harry Fannus, organ: GSI GSG GSP  
11:30 a.m.—Polish hour: SPW  
11:40 a.m.—From the Theater: GSG GSI GSD  
12:20 p.m.—English letter box: ZHO3  
1 p.m.—Blackpool night: GSG GSI GSD GSH  
12:55 p.m.—Science news: WIXAL (11.79)  
1:15 p.m.—Japanese Festival music: JZJ  
1:15 p.m.—OPERA, "THE WALKURE," WAGNER: GSO GSG GSF GSH  
1 p.m.—Monitor news: WIXAL (11.79)  
1:20 p.m.—Song of nightingale: GSO GSG GSF  
1:30 p.m.—Brazilian hour: PRF5  
4:45 p.m. (ex. Sat.)—Josee Leal, Spanish commentator: WZNE (15.27)  
\*6 p.m.—In honor of Jahannes Brahms: DJB DJD  
1:15 p.m.—American traveler: WZNAF (9.53)  
1:30 p.m.—Modern Radio course: WIXAL (16.04)  
\*9 p.m.—Twilight Serenaders: GSO GSD GSP GSB



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 Dayventry 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 GSI, GSH, GSG and GSO; 9:15 a.m. to 12 noon EST (8:15 to 11 a.m. CST) over GSI, 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 504, Gremio dos Radio Filos, Laurence Marques, Mozambique, Portuguese East Africa.

L. Cavilleer, 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 megas and HJ2ABC, Cucuta, Colombia, on 4.787 megas; YV5RI, relaying YV5RJ, "La Vox de L'Esfera," Caracas, is now on 6.255 megas; Radio Guardia Civil of Tetuan, Morocco, on 6.508 megas, 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-casted 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 NDC 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 Lender, 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: GSI GSG GSF  
11:20 a.m.—Marie de Pietra's Estudiantina: GSI GSG GSF 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.—Devoc. "London Pie": GSG GSI GSD GSB  
4 p.m.—Children's hour: DJB DJD  
4:40 p.m.—Twilight Serenaders: GSO GSD GSP GSB  
5 p.m.—Forward Glee Club: WIXAL (16.04)

5:30 p.m.—Folk tunes at Oster: GSO GSI GSF  
5:45 p.m.—An Army officer's wife looks at Moscow: WIXAL (16.04)  
6 p.m.—Peter Dawson, baritone: GSO GSI GSF  
6:30 p.m.—Dance band: GSO GSD GSP GSB  
6:30 p.m.—"Stuff That Dreams Are Made Of": WIXAL (16.04)  
6:45 p.m.—American program: EAQ2  
7 p.m.—Political System of Japan: WIXAL (16.04)  
7:45 p.m.—German reconstruction: DJB DJD  
8:30 p.m.—"World Affairs": GSI GSG GSD  
10 p.m.—Program from Tahiti: FOAAA  
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: GSI GSG GSF  
10:40 a.m.—Maurice Vindin, organ: GSI GSG  
11:35 a.m.—Dance band and band: GSG GSI GSH  
12:50 p.m.—GRACE FIELDS: GSG GSI GSD  
1:20 p.m.—BBC dance orchestra: GSG GSI GSD  
1:45 p.m.—COINTEGRATION NAVAL REVIEW: GSG GSI GSD GSB  
2:05 p.m.—Folk songs: OLR4A  
4 p.m.—Monitor news: WIXAL (11.79)  
5 p.m.—Easy play: DJB DJD  
5:30 p.m.—Neapolitan melodies: ZHO3  
6 p.m.—Biographies of famous Latin American writers: WIXAL (6.1)  
6:15 p.m.—Star songs: ZHO3  
6:30 p.m.—Musical treasures: DJB DJD  
7 p.m.—Ruth Hitchin, songs: GSO GSD GSP  
7:30 p.m.—Press review: DJB DJD  
8 p.m.—National Tourist program: THG  
8:15 p.m.—Kaledioscope at opera: DJB DJD  
8:25 p.m.—Donald Thorne, organ: GSB GSI GSD  
11:15 p.m.—Industrial Work in Japan: JZJ

**Thursday, May 20**

8:15 a.m.—Royal Air Force Band: GSG GSI GSG  
9 a.m.—Lester Nofelook: GSI GSG GSF GSH  
11:20 a.m.—"European Personalities": Lady Murr: GSI 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 Lindner at home: GSO GSG  
5:15 p.m.—Battle of popular songs: DJB DJD  
5:45 p.m.—Sarah Fischer, soprano: GSI GSD  
6:30 p.m.—Aly country music: DJB DJD  
6:45 p.m.—Romantic airs: GSO GSD GSG GSH  
7:30 p.m.—Jazz Africade, songs: YV5RI  
7:55 p.m.—Slovak folk songs: OLR4A  
8 p.m.—Chanticleer London: GSB GSI GSD GSI  
8:15 p.m.—Organ recital: OLR4A  
8:15 p.m.—Concert hour: DJB DJD  
9 p.m.—Canadian hour: HJ25  
11:15 p.m.—Japanese music: JZJ

**Friday, May 21**

9 a.m.—"Plays, "Capital Punishment" and "Tony Kites, the Arch-Deceiver": GSI GSG GSF  
9:30 a.m.—BBC Theater orchestra: GSI GSG GSF  
1 p.m.—Wireless Puppets: GSG GSI GSD GSB  
2:25 p.m.—Hindi songs: OLR4A  
3:15 p.m.—Saskusko harjo: JZJ  
3:50 p.m.—Music hall favorites: GSG GSO GSI  
4 p.m.—Argentina hour: ESN  
4:30 p.m.—Compositions for flute, oboe and piano: DJB DJD  
4:50 p.m.—Song of nightingale: GSO GSG GSI  
5:15 p.m.—Lister's mad dog: WIXAL (11.79)  
5:30 p.m.—Little theater: WIXAL (16.04)  
6 p.m.—Balls and saunders: WIXAL (16.04)  
6:15 p.m.—Vida Vallance, contralto, Philip Malcolm, baritone: GSO GSD GSG GSB  
6:30 p.m.—League of South American Women: WIXAL (6.1)  
7 p.m.—World of poetry: WIXAL (16.04)  
8:15 p.m.—Folk songs: DJB DJD  
10 p.m.—Program from Tahiti: FOAAA  
11 p.m.—DX Club: WSKK (6.14)  
11:15 p.m.—Kalmi stage music: JZJ

**Saturday, May 22**

7 a.m.—Children's program: GSI GSG GSO GSH  
7:15 a.m.—"Bohri rhab" sextet: PHH  
7:40 a.m.—Variety concert: PHH  
8:15 a.m.—Japanese Festival music: JZK JZJ  
8:20 a.m.—Mitsuguhne debutantes: PHH  
10:30 a.m.—Children's program: GSI GSG GSI  
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, "Doe of Devon": GSI GSI GSD GSB  
3 p.m.—Youth speaks: WIXAL (11.79)  
3:50 p.m.—Maite Mathieson, Purcell's songs: GSO GSG GSF GSH  
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, "Tarambott, 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 GSI  
7 p.m.—Lesson with a moral: DJB DJD  
7:30 p.m.—Clare Winkler Schloze, contralto: DJB  
8:15 p.m.—Dance music: DJB DJD  
9 p.m.—English hour: HJ1ABB HJ1ABP  
10 p.m.—Northern Messenger: VE5DN CRCA (16.09)  
11:15 p.m.—School songs of Japan: JZJ  
11:30 a.m.—Fiji hour: YPOZ







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

(Megacycles or thousands of kilocycles shown)

GFC, Chile	10.07	JVN, Japan	14.8
GFR, Canada	0.10	JYN, "	16.63
GJRX, "	11.72	JZL, "	9.528
CGCD, Cuba	0.13	JZJ, "	11.80
COCQ, "	0.01	JZK, "	15.16
COCQ, "	0.78	KIO, Hawaii	11.06
CSW, Portugal	0.94	KKH, "	7.52
DJB, Germany	15.20	KKP, "	10.03
DJO, "	0.05	LBU, Argentina	18.29
DJD, "	11.77	LRX, "	9.66
DJL, "	16.11	LSX, "	10.39
EAG, Spain	0.07	GLR3A, Czechoslovakia	9.55
EAG-2, "	0.49	GLR4A, "	11.84
FASAH, Spanish Morocco	14.048	GLR5A, "	12.33
FGAAA, Tahiti	7.11	GRK, Belgium	10.33
GPA, England	0.00	PCJ, Holland	15.32
GSR, "	0.81	PHI, "	17.776
GSC, "	0.48	PRADQ, Ecuador	6.08
GBD, "	11.78	PRF, Hawaii	9.50
GBT, "	16.14	RAN, Russia	9.60
GBQ, "	17.79	RNE, "	12.00
GBH, "	16.47	RV19, "	4.375
GST, "	21.28	RV49, "	6.00
GNJ, "	21.65	SPW, Poland	15.64
GNL, "	6.11	TFJ, Iceland	12.80
GRD, "	16.18	TIPQ, Costa Rica	6.41
GRF, "	15.31	TINRH, "	9.899
HAG, Hungary	10.37	TPA1, France	12.34
HAT4, "	0.12	TPA3, "	11.84
HBJ, Switzerland	14.528	TPA4, "	11.71
HBL, "	0.00	ER03, Italy	9.834
HAG, "	11.403	ER04, "	11.31
HBP, "	7.00	VE9DN, Canada	6.099
HCSW, Ecuador	0.20	VHMK, Australia	8.89
HCSL, "	0.64	VHLE, "	9.38
HHSB, Haiti	0.063	VHME, "	9.81
HIN, Dominican Republic	6.243	VFDL, Fiji	9.44
IJ1ABE, Colombia	9.5	W1XAL, Boston, Mass.	12.35, 11.79 and 0.04
IJ1ABF, "	0.018	XECC, Mexico	7.33
IJU, "	0.81	XEPT, "	6.12
HPW, Panama	0.66	YV6RC, Venezuela	5.99
HRM, Honduras	0.87	ZBWA, China	9.425
IJ50P, Bham 8.35, 18.02		ZBW4, "	14.19
HVJ, Vatican City	16.12		



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

(Figures in Parentheses Are Megacycles)

**C**OGP (11.79), a new short-wave station located in Matanzas, Cuba, that made its initial appearance during the latter part of May, is being heard with fine volume in all parts of the United States. The address of this station, which relays broadcast transmitter CMGF, is Calle General Belancourt 51, Matanzas, Cuba. Announcements are made in both Spanish and English. A regular broadcasting schedule will probably be put into effect shortly.

a mechanical screech-owl. It is said that centuries ago the little screech-owls perched on the ledges of the Colosseum and announced the midnight hour to wakeful Romans.

**S**coop!!! "Radio Manila," the new short-wave relay station of KZRM and KZEG, Manila, Philippine Islands, will be officially inaugurated on Thursday, July 1. Broadcasts will be carried out daily on frequencies of 11.84 and 6.14 megs. The schedule will probably run from 10 p.m. to 10 a.m. EDT (9 p.m. to 9 a.m. EST) . . . At the time this goes to press, tests are being conducted on 11.84 megs. Signal strength is excellent after 5 a.m. EDT (4 a.m. EST).

**R. B. Orricker** of State College, Penn., reports that **PJCI**, Radio Curon of Curacao, Dutch West Indies, broadcasts daily from 7:36 to 9:36 p.m. EDT (6:36 to 8:36 p.m. EST). The regular frequency of the station is 5.947 megs but irregularly tests are being conducted from 6 to 7 p.m. EDT (5 to 6 p.m. EST), on a new frequency of 9.473 megs.

**KEWW** has been positively identified as the call of the new short-wave transmitter relaying the powerful Mexico City broadcast station, **KEW**, nightly on a frequency of 9.502 megs. Sometimes the broadcast call only is given, and this has prompted several of our readers to believe this might be the short-wave call.

Several readers report excellent reception of the Solar Eclipse Expedition's broadcast from Canton Island, on June 8, over **WMEF** on 17.31 megs.

**C. E. Clark**, of Philadelphia, writes that he heard **RNE** of Moscow, U. S. S. R., relaying a broadcast from the Russian Polar Expedition. The new frequency of **RNE**, according to a communication from Moscow, is 12.065 megs. Mr. Clark is also hearing a Soviet station on an announced frequency of 14.59 megs. The latter's call letters are given as **RAEN**.

A short-wave transmitter is being installed in the **Komsomolskaya** station of the Moscow, U. S. S. R., **Kaganovitch Underground Railway**. Passengers will be notified by radio of the departure of trains. All tunnels of the subway eventually will be connected by radio.

- 6:30 p.m.—Brazilian hour: PRF5
- 7:45 p.m. (ex. Sat.)—Jorge Leal, Spanish commentator: W2NE (15.27)
- 7 p.m.—Modern Radio: W1XAL (6.04)
- 7:30 p.m.—John Londoner at home: GSP GSD
- 8 p.m.—Opera from Scala: 2R03
- 8:15 p.m.—BBC Empire orchestra: GSP GSD
- 8:25 p.m.—Mail bag: 2R03 or 2R04
- 8:30 p.m.—Good evening: DJB DJD
- 9 p.m.—American news: EAQ2
- 9:30 p.m.—German reader: DJB DJD
- 9:45 p.m.—Amateur hour: YV5RC
- 10:30 p.m.—Sea Melody orchestra: YV5RC
- 10:45 p.m.—In the Mourning: GSI GSD GSB

**W10XGY** (12.863), aboard the yacht **Jorano**, has been granted permission to transmit programs under the sponsorship of the Smithsonian Institution for relay over Broadcast Station **WSUN** of St. Petersburg, Fla. This ship transmitter was heard recently at about 6 p.m. EDT (5 p.m. EST), while broadcasting from the vicinity of Jamaica.

A letter from **G. P. Burdett** of Mouze, Northern Rhodesia, Africa, states that the new short-wave station **ZNB** (5.9) of Mafeking, Bechuanaland, South Africa, is operating almost daily except Sundays from 2 p.m. to 3:30 or 4 p.m. EDT (1 p.m. to 2:30 or 3 p.m. EST).

**West Australian Wireless News** contains a statement to the effect that a national short-wave station similar in character to **VK3LR** of Melbourne will soon be under construction near Perth, West Australia. **VK6ME** (9.59), owned and operated by **Amalgamated Wireless, Ltd.**, was opened in this same city this spring.

**YDB** of Soerabaya, Java, is now operating on a new frequency of 9.55 megs. The old transmitter, which formerly transmitted on 9.66 megs, has been replaced by a more powerful one.

The Chicago Short Wave Radio Club's recent bulletin contained the following very interesting item:

"It was announced during the news broadcasts from Germany on April 9 that through a loudspeaker in Geneva, Switzerland, there was overheard a statement to the effect that 'Italian prisoners the Bolsheviks had taken' were going to tell how they liked the Bolshevik regime, the broadcast apparently having been made from a building housing the Communist radio station. The voices of the Italians, 'who had learned by heart their pieces,' were heard all right, it was said, but finally in the background there was distinctly heard a voice saying, 'I am only a plain volunteer from Sicily, and I can only say what we have been forced to say at the point of a gun is untrue.' There followed 'two shots and a scuffle. The voice was silenced and the broadcast terminated at that point.' . . . The Chicago Short Wave Radio club also announces that the Italian broadcasts are now being introduced by a unique signal consisting of a mechanical screech-owl.

For those who have never heard an Egyptian short-wave station, I suggest you tune for **SUISG**, Alexandria, Egypt, on Friday, June 25, at 8 to 8:30 p.m. EDT (7 to 7:30 p.m. EST). A frequency of approximately 14 megs will be used for this special broadcast, which is being sponsored by the International DX-ers Alliance. The program will start with a series of chimes and a clock striking 2 a.m. Egypt time. Reports should be sent to Frank H. Pettit, c/o Mustapha Barracks, Alexandria, Egypt.

- 11:15 p.m.—BBC dance orchestra: GSI GSD GSC
- 12:45 a.m.—Recital of waltzes: GSD GSD GSB
- 1:15 a.m.—Young Men's chorus: JZK
- 1:25 a.m.—A revue, "Red, White and New": GSO GSD GSB
- 2:15 a.m.—Hawaii calls: KKP

- Tuesday, June 29**
- 5:30 a.m.—Happy program: PCJ (15.22)
  - 6:30 a.m.—Fiji hour: VPIU
  - 11:30 a.m.—RYDER GOLF CUP: GSI GSD
  - 10:15 a.m.—Current problems: JZJ JZK
  - 10:35 a.m.—"World Affairs," H. V. Hedden: GSG

- 2:35 p.m.—Brian Lawrence's orchestra: GSG
- 3 p.m.—Eva Stein's company: GSG GSI
- 3:30 p.m.—BBC Empire orchestra: GSG GSI
- 4:15 p.m.—Stamps and stamp collecting: GSG
- 5:20 p.m.—English tennis matches; Cricket; Ryder Golf Cup: GSG GSO
- 6 p.m.—Edith v. Voigtlander, violin: DJB DJD
- 7 p.m.—Playful repartee: DJB DJD
- 7:45 p.m.—Alaska program: W1XAL (6.04)
- 8 p.m.—Happy program: PCJ (15.22)
- 8:30 p.m.—Low German evening: DJB DJD
- 8:40 p.m.—Non-stop variety: GSI GSD
- 9:45 p.m.—Interview of the month, Paul Lowenthal; German excavations: DJB DJD
- 10:40 p.m.—London calling, 1837: GSI GSD GSI
- 12 mid.—Program from Tahiti: FOBA
- 12:45 a.m.—Harold Ramsay, organ: GSI GSD GSC
- 1:15 a.m.—Shochoku Girls' Revue: JZK
- 2:15 a.m.—Hawaii calls: KKP

**Wednesday, June 30**

- 11:15 a.m.—ENGLISH TENNIS MATCHES: GSI
- 3 p.m.—Revue, "All in Pink": GSG GSI
- 4:05 p.m.—Typographic choral society: OLR4A
- 5 p.m.—OPERA, "TRISTAN AND ISOLDE": GSG GSO
- 5:05 p.m.—Muzik's quartet: OLR4A
- 6 p.m.—Animal stories: DJB DJD
- 6:40 p.m.—English tennis matches; Ryder Golf Cup: GSG GSO
- 7 p.m.—Hay fever: DJB DJD
- 7:20 p.m.—Reading from "Bushel from Bushel": GSP GSD
- 7:30 p.m.—Synagogue concert: 2R03 or 2R04
- 8 p.m.—Stepping it up at the races: 2R03 or 2R04
- 8 p.m.—Latin-American writers: W1XAL (6.1)
- 8:15 p.m.—Ancient arias: 2R03 or 2R04
- 8:30 p.m.—Music of youth: DJB DJD
- 8:40 p.m.—Motor cycling and fishing: GSP GSD
- 9 p.m.—Erna Westenberg, songs: DJB DJD
- 9:30 p.m.—Press review: DJB DJD
- 10 p.m.—Ryder Cup golf matches: GSI GSD GSC
- 10:15 p.m.—Tommy Matthews' concert orchestra: GSI GSD GSC
- 10:15 p.m.—Comic opera, "Cudi Fan Tutte": DJB DJD
- 12:30 a.m.—Pedigree Stock: GSO GSD GSB

**Thursday, July 1**

- 10:15 a.m.—England in Midsummer: GSI GSG
- 10:30 a.m.—ENGLISH CHAMPIONSHIP TENNIS MATCHES: GSI GSG
- 12:35 p.m.—Your Programs from Daventry: GSG
- 2:30 p.m.—Northern Music Hall: GSG GSI
- 5:35 p.m.—BBC Empire orchestra: GSG GSO
- 7:20 p.m.—DOMINION BAY, CANADA, 1937: GSP GSD
- 8:15 p.m.—Billy Bisset's band: GSP GSD
- 8:55 p.m.—"The Vitava," D. Smetana: OLR4A
- 9:30 p.m.—Equatorial music: YV5RC
- 9:40 p.m.—Brass band: OLR4A
- 10 p.m.—Canadian artists: GSI GSD GSC
- 10:25 p.m.—Your money's worth: GSI GSD GSC
- 11 p.m.—Canadian hour: HHS2
- 12:55 a.m.—Adventures of Mr. Penny: GSO GSD
- 1:40 a.m.—Your programs from Daventry: GSO GSD GSB

**Friday, July 2**

- 10:15 a.m.—The Silver Spring: GSI GSG
- 10:45 a.m.—ENGLISH CHAMPIONSHIP TENNIS MATCHES: GSI GSG
- 1:35 p.m.—Ray Henderson, baritone: GSG GSI
- 3 p.m.—Bachelor party: GSG GSI
- 6 p.m.—Technic and talk humor: DJB DJD
- 6 p.m.—Argentina hour: LSX
- 6:15 p.m.—Gypsy songs: DJB DJD
- 6:30 p.m.—John Londoner at home: GSG GSO
- 7:15 p.m.—Listeners' mail bag: W1XAL (11.79)
- 7:30 p.m.—Little Theater: W1XAL (11.79)
- 7:30 p.m.—Request program: 2R03 or 2R03
- 8 p.m.—BBC Empire orchestra: GSP GSD
- 8 p.m.—Sails and sailors: W1XAL (11.79)
- 8:45 p.m.—Astronomy: W1XAL (11.79)
- 8:50 p.m.—Henry Hall's orchestra: GSP GSD
- 9 p.m.—With the poets: W1XAL (11.79)
- 9:30 p.m.—Hollywood Intimacies: YV5RC
- 12 mid.—Program from Tahiti: FOBA
- 12:30 a.m.—DX Club: WBNK (6.14)
- 1 a.m.—Joseph Pessac, violinist: GSO GSD GSB

**Saturday, July 3**

- 9:05 a.m.—Phoeb Cub: PHI
- 9:25 a.m.—International cabaret program: PHI
- 10:15 a.m.—ENGLISH CHAMPIONSHIP TENNIS MATCHES: HENLEY REGATTA: GSG GSI
- 10:20 a.m.—Sketch, "Three Around a Table": PHI
- 1:40 p.m.—London Theater: GSG GSI
- 2:20 p.m.—London loc: GSG GSI
- 2:30 p.m.—BBC presents the A. B. C.: GSG GSI
- 3 p.m.—Music Hall: GSG GSI
- 4:20 p.m.—BBC theater orchestra: GSG GSI
- 4:30 p.m.—News: W1XAL (15.25)
- 5:50 p.m.—Henry Hall's Music Makers: GSG GSO
- 6:10 p.m.—Variety program: GSG GSO
- 6:30 p.m.—League of Nations: HBL HBP
- 6:40 p.m.—Melodies and memories: GSG GSO
- 7 p.m.—Program from Budapest: HAT4
- 7:30 p.m.—Scots concert: GSP GSD
- 7:45 p.m.—Variety program: HBO HBJ
- 8 p.m.—The Wheel Go 'Round: GSP GSD
- 8:30 p.m.—Monologues in melody: GSP GSD
- 8:45 p.m.—Gloria Lamar, songs: YV5RC
- 9:45 p.m.—Equatorial music: YV5RC
- 10:30 p.m.—Erith British Legion band: GSI GSD
- 11 p.m.—English hour: IJ4ABB HJ1ABP
- 11:10 p.m.—John Londoner at home: GSI GSD
- 12 mid.—Northern Messenger; messages to those in the Arctic: VE9DN CRX (6.09)

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

**News Broadcasts**

- Daily—4:40 a.m., TPA3; 7, TPA2; 9:30, GSI, GSD, GSG, GSI; 10, OLR4A; 10:40, JZL, JZJ; 12:10 p.m., GSI, GSG, GSI; 2, GSG, GSI, GSD, GSB; 3:10, TPA3; 4, OLR4A; 5, GSO, GSB, GSG, GSP; 5:45, JZJ; 7:30, EAQ-2; 7:40, JZP5; 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, GSG, GSD, GSI, GSF, OLR4A; 11:45, CJRO, CJRX; 1:40 a.m., JZJ; 1:55, GSG, GSO, GSB, GSI.
- Daily except Sundays—7 a.m., VK3ME; 8:30, VK3LR; 10, 2R04; 2:20 p.m., 2R04; 7, 2R03.
- Sun., Mon., Wed., Fri.—5 p.m., RNE.
- Mon. & Thurs.—10:30 (Sun.), OLR4A.

**Sunday, June 27**

- \*8:40 a.m.—International church: COCQ
- \*9 a.m.—Variety program: DJL
- \*10 a.m.—Overseas hour for Australia: JZK JZJ (15.25)
- 10:30 a.m.—Opera excerpts: PHI
- \*11:30 a.m.—Vatican City topics: HVJ
- 12:40 p.m.—Willie Walker octet: GSI GSG
- \*1:30 p.m.—Program from Belgium: OKK
- 2:20 p.m.—BBC Military band: GSG GSI
- 2:40 p.m.—Iceland hour: TFJ
- 2:55 p.m.—Sunday School anniversary service: GSG GSO
- 3:40 p.m.—Muzik's quartet: OLR4A
- 5:20 p.m.—Fred Hartley's sextet: GSG GSO
- 5:45 p.m.—Program from 24 Cheyne Row, Chelsea, London: GSG GSO
- 6:30 p.m.—Brass band: DJB DJD
- 7:15 p.m.—Our Sunday concert: DJB DJD
- 7:30 p.m.—Griller string quartet: GSP GSD GSD
- \*8 p.m.—Broadcast from Moscow: HAN
- 8:15 p.m.—Bernard Crook quintet: GSG GSD
- 8:30 p.m.—Two hours with Cuba: COCO
- 9:30 p.m.—Our vacation boy, Peter: DJB DJD
- 10:15 p.m.—Studio orchestra: DJB DJD
- \*10:30 p.m.—Dance music: LIX
- 12:30 a.m.—Impressions of Personalities: GSG GSO GSD
- \*1 a.m.—Overseas hour (Pacific coast): JZK
- 2:15 a.m.—BBC presents the A. B. C.: GSG GSO

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

**Monday, June 28**

- 44 a.m.—English program from Siberia: RV15
- 8:15 a.m.—CRICKET; England vs. New Zealand: GSI GSG
- 9 a.m.—Oriental variety: ZBW3
- 10:15 a.m.—Ikan Hot Springs Resort and Mount Harau: JZJ JZK
- 12:35 p.m.—Fred Hartley's quartet: GSG GSI
- 1:30 p.m.—Polsk hour: SPW
- 2:20 a.m.—English letter-box: 2R03
- 2:45 p.m.—Adventures of Mr. Phanny: GSG GSI
- 3 p.m.—Revue, "Weather or No?": GSG GSI
- 4 p.m.—Imperial ballet: GSG GSI
- 5:05 p.m.—Dance music: OLR4A
- 5:15 p.m.—Japanese jucklers: JZJ
- 5:35 p.m.—Cricket; English tennis matches: GSG
- 16 p.m.—Monitor news: W1XAL (15.25)
- 6:15 p.m.—American travelog: W2XAF (9.53) W2XAD (15.33)



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

(Megacycles or thousands of kilocycles shown)

CEC, Chile	18.87	JVN, Japan	10.00
CJRO, Canada	6.15	JZL	9.525
CJRX, "	11.78	JZJ	11.80
COCD, Cuba	6.13	JZK	10.10
COCO, "	6.03	KIO, Maxwell	11.08
COCQ, "	9.75	KKH	7.60
CSW, Portugal	9.54	KKP	18.80
DJB, Germany	15.20	LRU, Argentina	15.20
DJC, "	6.02	LRX	8.60
DJD, "	11.77	LQX	10.35
DJL, "	10.11	OLR3A, Czechoslovakia	9.15
EAQ, Spain	9.57	OLR4A, "	11.84
EAG-E, "	9.49	OLR5A, "	15.20
EABAH, Spanish Morocco	14.045	ORR, Belgium	10.35
FO5AA, Tahiti	7.11	PCJ, Holland	9.20, 10.22
OSA, England	6.05	PR1	17.775
ORB, "	9.51	PRADO, Ecuador	6.60
ORC, "	9.55	PRFS, Brazil	9.60
ORF, "	11.75	RAN, Russia	9.60
OSF, "	18.15	RKI	15.028
OSG, "	17.78	RNE	12.00
OSH, "	25.47	KY15	4.372
OSI, "	15.26	KV50	6.00
OSJ, "	21.52	SPW, Poland	12.64
OSL, "	6.11	TFJ, Iceland	12.23
OSO, "	15.18	TIPG, Costa Rica	6.41
OSP, "	18.31	T14NRH	9.606
HAGS, Hungary	15.37	TPAF, France	15.24
HAT4, "	9.12	TPA5	11.80
HBJ, Switzerland	14.835	TPA4	11.71
HBL, "	9.40	VERDN, Canada	6.005
HBO, "	11.402	VX3ME, Australia	9.50
HBP, "	7.98	VX3LJ, "	9.55
HCSCW, Ecuador	8.20	VX3ME	9.51
HCSRL, "	6.08	VPOJ, Fiji	0.44
HMS, Haiti	5.025	WIXAL, Boston, Mass.	15.20, 11.70 and 6.04
HIN, Dominican Republic	6.242	XECR, Mexico	7.38
HJABE, Colombia	9.5	XEFT	6.10
HJABP, "	9.018	YV5RC, Venezuela	9.50
HJU, "	9.51	ZBWJ, China	9.605
HPIJ, Panama	9.40	ZBWA	15.19
HRN, Honduras	8.87	ZRO5, Italy	9.625
HSEPF, Siam 9.35	10.25	ZRO4	11.81
HVJ, Vatican City	15.18	ZMI, S. S. Kenia	6.01
JVN, Japan	14.8	ha	6.01

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**News Broadcasts**

Daily—1:55 a.m., GSG, GSO, GSB, GSR, 2:15, JZK, 4:40, TPA3; 7, TPA2; 9:30, GSI, GSO, GSC, GSI; 9:45, JZK, JZJ; 10, OLR5A; 12:10 p.m., GSA, GSO, GSG, GSI; 2, GSG, GSI, GSI, GSI; 3:10, TPA3; 5, GSI, GSG, GSG, GSF; 5:40, OLR4A; 6:15, JZJ; 7:30, EAQ 2; 7:40, HPSJ; 8, RAN; 8:15, CSW; 8:30, EAQ 2; 9:10, GSH, GSD, GSP, GSO; 9:15, DJB, DJD; 11:30, DJB, DJD, TPA4; 11:40, GSC, GSD, GSI, GSF, OLR4A; 11:45, CJHO, CJRN.  
Daily except Sundays—7 a.m., VK3ME; 8:30, VK3LR; 2:20 p.m., ZRO4; 7, ZRO3; 11, ZRO4.  
Sun., Mon., Wed., Fri.—5 p.m., RNE.  
Mon. & Thurs.—10 p.m., OLR4A.

**Sunday, July 18**

8:30 a.m.—Program from S. S. Kenia; 9:01  
9:40 a.m.—International Church; COCQ  
9:45 a.m.—Variety program; DJL  
9:50 a.m.—Overseas hour for Australia; JZK JZJ  
10:15 a.m.—Chinese and church services; WIXAL (15.25)  
10:30 a.m.—Musical journey; PHH  
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.—Kresiek, Conversation service; GSG GSI  
4:05 p.m.—Webb 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 HKI  
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; LRN  
10:35 p.m.—A Zoologist's adventures; GSI GSD  
11:05 p.m.—G. Thallon Ball, organ; GSI GSD  
11:15 p.m.—Brazilian National Hymn variations; DJB DJD  
11:30 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.—Lithuanian program from Siberia; RV15  
10 a.m.—DAVIS CUP INTER-ZONE TENNIS FINALS; GSI GSI  
11:30 a.m.—Mail bag; GSG GSI  
1:20 p.m.—My Years in the Army; GSG GSI  
1:30 a.m.—Polish hour; SPW  
2:20 p.m.—English letter-box; ZRO4  
3 p.m.—Dance music; GSG GSI  
3:40 p.m.—Dance music; OLR4A  
5:45 p.m.—Sagami ballads; JZJ JZK



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

(Figures in Parentheses Are Megacycles)

**S**HORT-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 HJABH (9.52), HJABE (9.5) and HJABP (9.018); Cuban stations COCH (9.43) and COCQ (9.75); XEWX (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); ZRO4 (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).

**T**HE Mexican station on approximately 15.16 megs 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 XEWX, 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 megs 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 Morrissey, 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 megs when the operator is

6 p.m.—Monitor news; WIXAL (15.25)  
6:15 p.m.—American travelogue; W3XAF (9.53) W2XAD (15.31)  
6:30 p.m.—Brazilian hour; PRFS  
6:45 p.m. (ex. Sat.)—Jorge Leal, Spanish commentator; W2XK (15.27)  
7 p.m.—News for South America; W3XAL (6.1)  
7:30 p.m.—Overtures by Lydia Bander; DJB DJD  
8 p.m.—Motion picture exhibition; ZRO4  
8:15 p.m.—Old Italian atlas; ZRO4  
8:25 p.m.—Mail bag; ZRO4  
8:35 p.m.—Empire exchange talks; GSG GSD  
8:50 p.m.—Songs of the Hebrides; GSP 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 megs. 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. . . W3XAL (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 megs, 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.

**A**N ANNOUNCEMENT from Rome states that anyone interested in following Italian lessons to be given twice weekly over station ZRO4 (11.81) should write to Italian Lesson Department, Ente Italiano Audizioni Radiofoniche, 5 Via Moxello, 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 Cherl." Reports are requested and the final announcements are made in English.

Olga Andrea, musicomedy 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 megs.

Billie Byrd, Jr., Little Rock, Ark., reports hearing a new Cuban testing and announcing as COBC, 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 megs. The program consisted entirely of Cubans 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  
11:30 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; VPH2  
10:15 a.m.—"World Affairs," H Wickham Steed; GSI GSI  
10:30 a.m.—DAVIS CUP INTER-ZONE TENNIS FINALS; GSI GSI  
1:35 p.m.—Reginald King's orchestra; GSG GSI  
3 p.m.—Midweek variety; GSG GSI  
4:05 p.m.—Bagpipe music; OLR4A

5:20 p.m.—BBC Theater orchestra; GSG GSI  
6 p.m.—Low 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.—Eras Pitt and Edoer; GSP GSD  
7:45 p.m.—Concert; Eras Herzer; DJB DJD  
8 p.m.—Man About Town program; W3XAL (17.78)  
8:40 p.m.—The Grand Junction; GSP GSD  
9:30 p.m.—Piano recital; DJB DJD  
11:30 p.m.—Salute to Latin America; W3XAL (6.06)  
12 mid.—Program from Tahiti; FO5AA  
12:45 a.m.—H. M. Colstream Organist; 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.—PHLO, A commentary from Burlington GSI GSG  
11:15 a.m.—They Never Came Back; GSI GSG  
1 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.—Loving ceremony to Richard Price and John Thomas; GSP GSD  
8 p.m.—Latin American Night; W3XAL (17.78)  
8:20 p.m.—BBC Military band; GSP GSD  
8:20 p.m.—Folk songs; ZRO4  
8:30 p.m.—Noir 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 GSH  
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; HSBM (9.35)  
11:15 a.m.—Phantom Live; GSA GSG  
1:35 p.m.—BBC Northern orchestra; GSG GSI  
4:20 p.m.—PLAY, "Fog"; GSG GSI  
5:45 p.m.—Masako Yoshiko Bertram's, music; JZJ JZK  
6:15 p.m.—Jack Harris, band; GSG GSO  
7:30 p.m.—Play, "Something in the City"; GSP GSD  
8 p.m.—American Composers' program; W3XAL (17.78)  
8:30 p.m.—Zither music; DJB DJD  
8:45 p.m.—Heather sextet; GSP GSD  
9:15 p.m.—Viola 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; HHSZ  
1:30 a.m.—Here Eved Last 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. Neure, organ; OLR4A  
4:40 p.m.—THORNBURY DRAMA FESTIVAL. Excerpts from the final scenes of "Murder in the Cathedral"; GSG GSI  
6 p.m.—Billy Bisset's Canadians; GSG GSO  
6 p.m.—Argentina hour; LSX  
7 p.m.—Leonora Vianca da Matta, songs; DJB DJD  
7:30 p.m.—Fishing; GSP GSD  
7:30 p.m.—Request numbers; ZRO4  
8 p.m.—Woman's Page program; W3XAL (17.78)  
8 p.m.—Rose's Midnight Voice; ZRO4  
8 p.m.—Synopsized interlude; GSP GSD  
8:30 p.m.—Light music; DJB DJD  
10 p.m.—BBC dance orchestra; GSI GSD GSC  
10:15 p.m.—Climax; DJB DJD  
12 mid.—Program from Tahiti; FO5AA  
12:30 a.m.—London Log; GSG GSD GSB  
12:30 a.m.—DX Club; W8NK (6.14)

**Saturday, July 24**

8:15 a.m.—CRICKET: England vs. New Zealand; GSA GSG GSO  
10:15 a.m.—Sports commentaries; GSI GSG  
10:30 a.m.—Popular concert; PHH  
1:15 p.m.—SECOND ACT OF "LOHENGKIN" 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.—Dance music; OLR4A  
4 p.m.—Glastonbury Town Hall; GSG GSI  
5:35 p.m.—Ambrose's orchestra; GSG GSO  
6:30 p.m.—League of Nations; HBI, HBP  
7 p.m.—Program from Budapest; HAT4  
7:15 p.m.—BAYREUTH FESTIVAL PLAYS, "LOHENGKIN," ACT I; DJB DJD  
7:25 p.m.—London Log; GSP GSD  
7:30 p.m.—Arthur Holey, guitar; GSP GSD  
7:40 p.m.—Sleep Showing; GSP GSD  
7:45 p.m.—Variety program; HBI, HBP  
8 p.m.—Cocktail Musical; W3XAL (17.78)  
8:45 p.m.—"LOHENGKIN," ACT II; DJB DJD  
9:45 p.m.—Entertainment music; YV5RC  
10:25 p.m.—"LOHENGKIN," ACT III; DJB DJD  
11 p.m.—English hour; HJABH HJABP  
11:20 p.m.—Keyles to St. Morrey; GSI GSI GSI  
12 mid.—Northern Messenger, Messages to those in the Far North; VESIN CRCK



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

CEC, Chile	16.67	JYM, Japan	16.46
CJRO, Canada	6.18	JZL, "	9.375
CJRX, "	11.72	JZL, "	11.80
COCU, Cuba	6.13	JZK, "	19.14
COCO, "	6.61	K10, Hawaii	11.03
COCQ, "	9.75	KK10, "	7.52
CSW, Portugal	8.84	KKP, "	16.03
DJB, Germany	15.80	LNU, Argentina	15.29
DJC, "	6.05	LXX, "	6.25
DJD, "	11.77	LXX, "	18.25
DJE, "	15.11	OLR3A, Czechoslovakia	9.56
EAG, Spain	8.87	OLR3A, "	11.81
EAS, "	9.49	OLR3A, "	15.22
EASX, Spanish Morocco	14.945	OLR3A, "	16.23
FOAAA, Tahiti	7.11	PCB, Holland	8.69
GSA, England	6.05	PII, "	17.75
GSE, "	8.81	PRADO, Ecuador	6.03
GSG, "	9.48	PRF, Brazil	2.58
GSD, "	11.78	RAN, Russia	8.05
GSE, "	15.14	RKL, "	15.634
GSO, "	17.78	RNY, "	14.60
GSI, "	81.47	RY13, "	4.273
GSL, "	15.36	RV99, "	5.00
GSM, "	31.85	SPW, Poland	13.54
GSP, "	6.11	TYJ, Ireland	12.23
GSO, "	16.18	TIPD, Costa Rica	6.41
GSP, "	15.31	TINRM, "	9.494
HASG, Hungary	15.37	TPAF, France	15.24
HAT4, "	9.12	TPAF, "	11.83
IBJ, Switzerland	14.525	TPAF, "	11.71
IBL, "	8.00	VEDDY, Canada	6.866
IBD, "	11.402	VK2ME, Australia	8.89
IBP, "	7.40	VK3LR, "	8.68
ICSCW, Ecuador	8.20	VK3ME, "	8.81
ICRKL, "	6.08	VPOE, Fiji	9.64
INRS, Haiti	5.825	WIXAL, Boston, Mass.	14.25, 11.78 and 6.04
IN, Dominican Republic	6.243	XECH, Mexico	7.58
NIABE, Colombia	8.5	XEPT, "	6.18
NIJABP, "	8.618	YV6BC, Venezuela	5.80
NIJ, "	8.51	ZBW3, China	9.825
NIJ2, Panama	9.00	ZEW4, "	15.14
NRN, Honduras	8.87	ZRO4, Italy	9.636
NRSL, Siam	9.26, 19.08	ZRO4, "	11.81
NYZ, Vatican City	15.13	ZSL, S. E. Kamim-ila	6.61
ZVX, Japan	14.0		

Time given is CST; for MST 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 (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.

News Broadcasts

Daily—12:15 a.m., JZK; 2:40, TPA3; 5, TPA2; 7:30, GSA, GSG, GSH; 7:45, JZK, JZL; 8, OLR3A; 10:10, GSA, GSG, GSH; 12 noon, GSG, GSH, GSD, GSB; 1:30 p.m., TPA3; 3, GSA, GSB, GSG, GSF; 3:40, OLR3A; 4:15, JZL; 5:30, EAQ 2; 5:40, HIF5; 6, RAN; 6:15, CSW; 6:30, EAQ 2; 7:10, GSF, GSD, GSH, GSO; 7:15, DJB, IBI; 9:30, DJB DJD, TPA4; 9:40, GSG, GSD, GSI, GSB, OLR3A; 9:45, CJRO, CJRX; 11:55, GSG, GSO, GSB, GSD.

Daily except Sundays—5 a.m., VK3ME; 6:30, VK3LR; 12:20 p.m., ZHO4; 5, ZHO3; 9, ZHO4.

Sun., Mon., Wed., Fri.—3 p.m., WNE.

Mon. & Thurs.—8 p.m., OLR3A.

Sunday, August 1

6 a.m.—Program from S. S. Kamihira; 9M1

6:40 a.m.—International church: COCQ

7 a.m.—Variety program: DJL

7 a.m.—Overseas hour for Australia: JZK JZL

8:15 a.m.—Church services: WIXAL (15.25)

8:55 a.m.—At the Jamboree: PHH

9:30 a.m.—Vatican City topics: HVJ

10:45 a.m.—Fred Hartley's sextet: GSI GSG

11:30 a.m.—Program from Belgium: OHRK

11:30 a.m.—Cultural news: W3XAL (17.78)

2:05 p.m.—Concert from Knickerbocker Casino: GSG GSI

2:25 p.m.—Variety program: OLR3A

3:30 p.m.—Overseas hour (East): JZK JZL

4:15 p.m.—Eugen Hiltzsch, songs: DJB DJD

5:30 p.m.—Lance Huson, pianist: GSP GSD

6 p.m.—Program from Moscow: BAN HK1

6:05 p.m.—Melodies from "The Singing Earth": OLR3A

6:45 p.m.—Sound pictures: IJB IJD

6:30 p.m.—Two hours with Cuban: COCO

6:40 p.m.—Choral Society: OLR3A

7:20 p.m.—Folk songs; Gypsy band: OLR3A

7:30 p.m.—"Winter Jaunties" by Schubert: IJB

8 p.m.—Carara's Tango orchestra: LRX

8:15 p.m.—Play, "The England I Find": IJD IJD

8:30 p.m.—Radio Theater: LRX

9 p.m.—London Fire Brigade band: GSI GSD GSH

9:15 p.m.—Rudi Stefan, songs: IJB DJD

9:45 p.m.—Dancer music: LEX

11 p.m.—Keith Ensmann, violinist: GSD GSD GSB

11:30 p.m.—Overseas hour (Pacific coast): JZK

11:40 p.m.—Talk, "The England I Find": GSO

12 a.m.—English program: HV15

3 a.m.—Description of the opening ceremony of the National Elstrolith: GSA GSG

Key to Symbols Used: \*Daily; †Week Days; ‡Monday, Wednesday, Friday; \$Men., Thurs.

Monday, August 2

87 a.m.—Oriental variety: ZBW3

7:50 a.m.—AT THE JAMBOREE: PHH

9 a.m.—Crickets, Yorkshire vs. Lancashire: GSG

11:20 a.m.—READING FROM CAPTAIN BLYTH'S narrative of the voyage of the *Hood*: GSG

11:30 a.m.—Polish hour: SPW

11:35 a.m.—NAVY WAGER CELEBRATIONS: GSG

12:20 p.m.—Letter box: ZHO4

12:30 p.m.—Dancer music: GSG GSI

# SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

GENERAL Electric's short-wave stations W2XAD and W2XAF will become the strongest in America and probably in the world upon completion of the new 100,000-watt transmitter, permission for the erection of which has just been granted by the Federal Communications Commission. The new transmitter will be a linear, radio-frequency amplifier and may be used by either of the two short-wave stations.

"The previous strength of 18,000 to 25,000 watts for W2XAD and W2XAF, respectively, has rivaled the world's strongest short-wave stations, and the greater signal strength should permit worldwide reception throughout the year," according to B. W. Bullock, assistant broadcasting manager of the General Electric Company.

W2XAD now broadcasts approximately 220 hours a month and W2XAF 290 hours. It is anticipated that this will be increased as the result of the greater range of the new transmitter, which is expected to be completed by the early part of next year.

R. B. Ozrieder of State College, Penn., is hearing a new Cuban, believed to be COCW of Havana, on a frequency of 6.324 megacycles. The announcer usually includes broadcast stations CMW and CMHX in the announcements.

A MATEUR radio came through nobly last month in an emergency call. On a small island in the Pacific Ocean, 75 miles from Los Angeles, Calif., a tiny four-months-old girl was in need of medical attention. Amateur station W6JLF, operated by I. P. Elliott, the only contact that San Nicolas Island has with the mainland, established contact with an amateur in Redondo Beach, Calif., who called the police, who in turn notified the Los Angeles police and the Coast Guard. The latter had a boat ready to sail by the time a doctor arrived, and before morning the boat, carrying the doctor, hove to on the lee side of desolate San Nicolas Island, and another mark was chalked up on the already enviable record established by amateurs.

The new schedule of broadcasts from short-wave stations LRU and LRX, "Radio El Mundo," Buenos Aires, Argentina, is as follows: Over LRU (15.29), daily from 7 to 9 a.m. EST (6 to 8 a.m. CST); over LRX (9.66), daily from 9:30 a.m. to 11:30 p.m. EST (8:30 a.m. to 10:30 p.m. CST). On July 1, these short-wave stations were used in relaying the inaugural program of the new blue and white network of "Radio El Mundo," comprising key station LRI in Buenos Aires and affiliates in Rosario, Cordoba, Bahia Blanca, Tucuman, Mendoza, Resistencia (Chaco) and San Juan.

Mr. Jardillier, Minister of Posts, Telegraphs and Telephones for France, is reported to have recently stated that the new short-wave transmitter of "Radio Coloniale" was nearing completion and that experimental broadcasts would soon be carried on, with a

power output that would be gradually increased until the station's ultimate maximum power of 50,000 watts had been reached. Reception of the French station should be greatly improved.

In a letter from Leonard Sawyer of Woodstock, N. H., I learn that DJP (11.85) of Zeesou, Germany, may be heard Mondays at 7 p.m. EST (6 p.m. CST), relaying a program from Belgrade, Yugoslavia, for the benefit of Slavic emigrants in North and South America.

Ashley Walcott of San Francisco, Calif., sends the following informative notes: A station on 9.415 megs, the same frequency as PLV of Bandoeng, Java, has been relaying the Javanese NIROM programs intermittently each morning from 5:30 to 9 a.m. EST (4:30 to 8 a.m. CST) . . . Erlanger & Galinger of Manila, Philippines, tested their new short-wave transmitter on 11.84 megs for two weeks in June and then it went off the air. On the first of July the station resumed broadcasting on an announced frequency of 9.57 megs and it may be heard daily on this frequency from approximately 4:30 to 9 a.m. EST (3:30 to 8 a.m. CST). A slight heterodyne from W1XK may be noted . . . OPM (10.14) of Leopoldville, Belgian Congo, may be heard phoning in straight speech, irregularly from 8:30 to 9 a.m. EST (7:30 to 8 a.m. CST) . . . "The Addis Ababa, Ethiopia, station on 15.43 megs verified for me in May as IUG, not IUD as reported by several other short-wave listeners. As for the code signature being IUD, not IUG, nearly all operators of the Italian Colonial telephone stations have notoriously poor lists for code and it would be extremely difficult to tell the difference between a dot and a dash" . . . FZE (17.28) of Djibouti, Somali Coast, is heard calling Paris on phone, once or twice a week near 8:30 a.m. EST (7:30 a.m. CST).

The owners of broadcast station KSTP in St. Paul, Minn., have been granted a permit to erect a 1,000-watt apex station to operate on 25.95 megs . . . The Knickerbocker Broadcasting Company of New York City, N. Y., will erect a 100-watt apex station to operate on 26.55 megs.

The "Government Radio Station," Rangoon, Burma, is still being heard on the Pacific Coast daily from 9 to 9:35 a.m. EST (8 to 8:35 a.m. CST), on an announced frequency of 6.007 megs. A letter from W. J. Byrne, engineer-in-charge of the above station, states that the broadcasts are merely experimental, are intended primarily for reception and report by various radio stations in Burma, and not for the entertainment of the general public, although reports from listeners who may happen to pick up the broadcasts are most welcome . . . A new station, ZGB of Kuala Lumpur, Federated Malay States, whose announced frequency is 13.643 megs, may frequently be heard between 7:30 and 8:30 a.m. EST (6:30 and 7:30 a.m. CST), phoning PLQ of Bandoeng, Java, in inverted speech.

1 p.m.—"DON GIOVANNI," CONDUCTED BY BRUNO WALTER: GSG GSI

14 p.m.—Monitor news: WIXAL (15.25)

4:15 p.m.—American travelog: W2XAF (9.53) W2XAD (15.33)

4:30 p.m.—Brazilian hour: PRF5

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

15 p.m.—South American news: W3XAL (17.78)

5:30 p.m.—OPERA from Scala: ZHO4

6 p.m.—Empire exchange talks: GSP GSD

6:15 p.m.—Folk songs: ZHO4

6:30 p.m.—National Concert: IJB DJD

6:35 p.m.—Tommy Matthews' seq.: GSP GSD

6:55 p.m.—Variety program: OLR3A

7 p.m.—Orquesta Capriollo: YV5H

7:30 p.m.—The short wave amateur: IJB DJD

7:45 p.m.—Amateur hour: YV5RC

8 p.m.—Mail bag: OLR3A

8:45 p.m.—Songs from "The Taming of the Shrew": GSG GSI GSD

12:15 a.m.—Hawaii Calls: KKP

Tuesday, August 3

3:30 a.m.—Happy program PCJ (15.22)

14:30 a.m.—Fif hour: YV5J

7:50 a.m.—AT THE JAMBOREE: PHH

10 a.m.—Crickets, Yorkshire vs. Lancashire and Kent vs. Hampshire: GSG GSG

12:30 p.m.—H. M. Irish Guards band: GSG GSI

2 p.m.—Variety from the New Theater, Oxford: GSG GSI

2:25 p.m.—Opera selections: OLR3A

2:30 p.m.—Abeon Brancas, organ: GSG GSI

4 p.m.—Salvation Army band: GSG GSI

5:30 p.m.—Review, "Late Night Special": GSD

6 p.m.—Man About Town: W3XAL (17.78)

6:30 p.m.—Folk music: IJB IJD

6:45 p.m.—Ethie Carroll's orchestra: GSP GSD

7:30 p.m.—Continental: YV5RC

7:45 p.m.—RADIO EXHIBITION: IJB DJD

8 p.m.—"World Affairs," H. Workham Street: GSG GSI GSI

8:15 p.m.—Ivan Mbilner, pianist: IJB DJD

8:55 p.m.—Sunlight and Sea: GSG GSI GSG

9:30 p.m.—Latin America Safety: W3XAL (16.05)

10 p.m.—Program from Tahiti: FOAAA

12:15 a.m.—Hawaii Calls: KKP

Wednesday, August 4

8:15 a.m.—"Green Tree p.m. Aug. 4, 1914": GSG

11:20 a.m.—BBC Northern Ireland orchestra: GSG

12:20 p.m.—Piano duo: GSG GSI

1 p.m.—Variety: GSG GSI

2 p.m.—CONCERT, conducted by Richard Strauss, European short-wave stations

4:30 p.m.—"Where can we find our rainies?": IJB DJD

4:45 p.m.—Stanley Hope, baritone: GSG GSG

5:30 p.m.—Folk songs: ZHO4

6 p.m.—Latin American night: W3XAL (17.78)

6:15 p.m.—Iris Nijck Malqvist, soprano: ZHO4

6:55 p.m.—Thelma Canada, M. P.: GSP GSD

7 p.m.—Male Chorus: IJB IJD

7:30 p.m.—Consejo de Alvarez, songs: YV5RC

8 p.m.—Fantasy, "Aorta and the Elephant": GSG

8:45 p.m.—Play, "Concert at the Coast": DJB

9 p.m.—Thelma Briss, cello: GSG GSI GSD

11:45 p.m.—"The West Indies": GSD GSD GSB

12:45 a.m.—Henry Hall's BBC orchestra: GSG

Thursday, August 5

7:50 a.m.—AT THE JAMBOREE: PHH

9 a.m.—Here Live! Sir Stambrod Raftles: GSG

9:15 a.m.—Lannard's orchestra: GSI GSG

11:25 a.m.—Shows from the seaside: GSG GSI

1:45 p.m.—Talk, "The England I Find": GSG

2 p.m.—Ontario Ladies' Choir: GSG GSI

2:15 p.m.—Scottish Gallies: GSG GSI

5:15 p.m.—Surprises from overseas: IJB IJD

6 p.m.—London Mozart orchestra: GSP GSD

6:30 p.m.—American Composers program: W3XAL (17.78)

6:55 p.m.—Opera selections: OLR3A

7:30 p.m.—Egnetorian music: YV5RC

8 p.m.—Mailbag: OLR3A

8:45 p.m.—Music Hall: GSG GSI GSD

9 p.m.—Canadian hour: IJB IJD

9:45 p.m.—Jazz girls: YV5H

12 mid.—Continental Players: GSG GSD GSB

Friday, August 6

8:15 a.m.—Tiny Secret Court Back: GSG GSG

8:40 a.m.—Little Theater Calaret: GSG GSG

12:30 p.m.—Five Hours Back: W2XAD (15.33) W3XAL (17.78)

1 p.m.—ROYAL NATIONAL LISTEDBOD OF WALKS: GSG GSI

1:40 p.m.—THE DUKE OF YORK'S CAMP: GSG GSI

3:25 p.m.—Serge Kreis super: GSG GSG

4 p.m.—Argentina hour: LEX

4:45 p.m.—Haunting Harmonies: GSG GSG

5 p.m.—Entertainment: IJB IJD

5:30 p.m.—Patrick Kenny, songs: GSP GSD

6 p.m.—Woman's page: W3XAL (17.78)

6:30 p.m.—Meeting a little town again: DJB DJD

7:30 p.m.—Songs of Schubert: DJB DJD

8 p.m.—Cincini orchestra: YV5RC

8:15 p.m.—Military concert: IJB IJD

8:50 p.m.—Dance band: GSG GSI GSD

10 p.m.—Program from Tahiti: FOAAA

10:30 p.m.—IX Club: W3NK (16.14)

11 p.m.—London leg: GSG GSD GSB

11:10 p.m.—Tommy Matthews' band: GSG GSB

Saturday, August 7

7:50 a.m.—AT THE JAMBOREE: PHH

8:20 a.m.—Phoni Club meeting: PHH

9 a.m.—BBC Northern orchestra: GSI GSG

9:15 a.m.—March's winners: PHH

11:20 a.m.—Jean Pougnet, violinist: GSG GSI

12:30 p.m.—BBC presents the ABC: GSG GSI

1 p.m.—OPENING NIGHT OF THE PRIME-NIGHT CONCERTS: GSG GSI

2:25 p.m.—Variety program: OLR3A

4:30 p.m.—Leslie Bridgewater's quartet: GSG GSI

4:30 p.m.—League of Nations: IJB IJB

5 p.m.—Program from Budapest: IAT4

5:20 p.m.—London leg: GSP GSD

5:30 p.m.—BBC Men's chorus: GSP GSI

5:45 p.m.—Variety program: IJB IJB

6 p.m.—Musical cocktail: W3XAL (17.78)

6:30 p.m.—Merry pictures: DJB IJD

7 p.m.—Cuban music: LRX

7:45 p.m.—Equatorial music: YV5RC

8 p.m.—Conchita Ascanio, songs: YV5RC

8:15 p.m.—Club of nations: IJB IJB

8:30 p.m.—Ralph Downes, organ: GSG GSI GSD

9 p.m.—The West Indies: GSG GSI GSD

10 p.m.—Northern Message; Messages to those in the Arctic: VESON CRCX



Log of Short-Wave Stations  
Whose Programs Are Listed

(Megacycles or thousands of kilocycles shown)

CJRO, Canada	6.15	KKP, Hawaii	16.23
CJRX, "	11.72	LHU, Argentina	16.23
COBZ, Cuba	8.80	LHX, "	9.63
COCQ, "	8.15	LSX, "	10.15
COCQ, "	8.31	OLR4A, Greece	
COCQ, "	9.75	Olserakia	9.15
CSW, Portugal	9.94	OLR4A, "	11.44
DJB, Germany	15.20	OLR4A, "	15.25
DJC, "	6.02	ORR, Belgium	10.25
DJD, "	11.77	OSY, Denmark	11.25
DJE, "	15.31	PCJ, Holland	15.25
EAGE, Spain	9.49	PRAD, Ecuador	11.73
FJAK, Tahiti	1.11	PRAD, Ecuador	6.62
GSA, England	6.05	RFA, Brazil	9.30
GSE, "	9.53	RAM, Russia	9.60
GSC, "	9.54	RKI, "	15.63
GSD, "	11.79	RNE, "	12.05
GSE, "	15.14	RVA, "	4.273
GSO, "	11.79	RVA, "	9.05
GSH, "	21.47	SPW, Poland	13.94
OSI, "	15.26	TJZ, Iceland	12.23
OSI, "	21.53	TIPD, Costa Rica	6.41
OSI, "	4.11	TIANRB, "	8.495
OSD, "	15.18	TPA2, France	15.22
GSP, "	15.31	TPA3, "	11.71
HASJ, Hungary	15.37	TPA4, "	11.71
HAT4, "	9.18	VISGN, Canada	8.205
HBJ, Switzerland	14.535	VIZME, Australia	9.59
HBL, "	9.60	VHLE, "	9.64
HBO, "	11.462	VZME, "	9.51
HBN, "	14.44	VPDS, Fiji	8.54
HBP, "	7.40	WIXAL, Boston, Mass.	
HCERL, Ecuador	6.05		15.25, 11.79 and 6.94
HJMS, Haiti	8.255	XCCR, Mexico, D.F.	7.38
HJABE, Colombia	9.5	XETT, "	9.12
HJABP, "	8.618	XEUZ, "	8.12
HPSJ, Panama	9.60	XEXA, "	6.172
HSPJ, St. Paul	14.02	YVSR, Venezuela	8.20
HVJ, Vietnam City	15.18	ZBWS, China	9.525
JVJ, Japan	16.68	ZDW4, "	15.19
JVI, "	8.526	ZRO3, Italy	8.525
JZJ, "	11.80	ZRO4, "	11.81
JZK, "	15.10	ZMI, S. S. Kaim-	
KRH, Hawaii	11.68	bia	6.91
X10, "	7.52		

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

News Broadcasts

Daily—12:25 a.m., GSG, GSO, GSD, GSB; 2:40, TPA3; 5, TPA2; 7:30, GSI, GSG, GSH; 10:30, GSI, GSG, GSH, GSF; 12 noon, GSG, GSI, GSD, GSB; 1:10 p.m., TPA3; 3, GSO, GSB, GSG, GSF, OLR4A; 3:30, JZJ, JZK; 5:30, EAQ2; 5:40, HPSJ; 6, RAN; 6:15, CSW; 6:30, EAQ2; 7:10, GSF, GSD, GSP, GSO; 7:15, DJR, DJD; 9:30, HMB, HMD, TPA4; 9:40, GSG, GSD, GSI, GSB; 9:45, CJRO, CJRX; 11:30, JZK; 11:45, COCQ.

Daily except Sundays—5 a.m., VK3ME; 6:30, VK3LR; 12:20 p.m., ZRO4; 5, ZRO3; 9, ZRO4.

Sun., Mon., Wed., Fri.—7 a.m., JZJ, JZK; 3 p.m., RNE.

Mon. & Thurs.—7:30 p.m., OLR4A.

Sunday, August 29

6 a.m.—Program from S. S. Kaimubla; 9MI

\*6:40 a.m.—International church: COCQ

\*7 a.m.—Variety program: DJJ

\*7 a.m.—Overseas hour for Australia: JZJ JZK

8:15 a.m.—Chinese and church services: WIXAL (15.25)

9:20 a.m.—Religious service: GSI GSG

9:30 a.m.—Vietnam City topics: HVJ

11:20 a.m.—Talk, "The Silver Greyhound": GSG GSI

11:30 a.m.—Cultural activities: W3XAL (17.78)

\*11:30 a.m.—Program from Belgium: OHK

12:40 p.m.—Iceland hour: TFJ

2:05 p.m.—Organ recital: OLR4A

\*3:30 p.m.—Overseas hour (EAM): JZK JZJ

4:15 p.m.—Old Austrian songs: DJB DJD

5:15 p.m.—Our Sunday concert: DJB DJD

5:30 p.m.—Willoughby string quartet: GSP GSD

\*5:30 p.m.—Program from Denmark: OXY

\*6 p.m.—Program from Moscow; RAN RNI

\*6:15 p.m.—Sound pictures: DJB DJD

6:30 p.m.—Two hours with Cuba: COCQ

6:50 p.m.—Victor Evans, baritone: GSP GSD

\*8 p.m.—Carrara's tango band: LHX

8:20 p.m.—Talk, "The England I Find": GSB GSD GSI

8:50 p.m.—Waltz Guards band: GSB GSD GSI

\*9:45 p.m.—Dance music: LHX

\*10 p.m.—English program from Mexico: NEXA

\*11 p.m.—Scottish dance music: GSB GSD GSO

\*11:30 p.m.—Overseas hour (Pacific coast): JZK

\*11:45 p.m.—English news: COCQ

\*12 mid.—English DX program: XEDZ

\*2 a.m.—English programs from Siberia: HV15

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

Monday, August 30

7 a.m.—Swedish broadcast: HSPJ (19.02)

10 a.m.—Middlesex vs. Surrey, cricket: GSG GSI

10:35 a.m.—Walter Collier's orchestra: GSI GSG

11:20 a.m.—Tour of the Northern Capitals: GSG GSI

11:30 a.m.—Polish hour: SPW

12:20 p.m.—Letter box: ZRO4

1:40 p.m.—PROMENADE CONCERT: GSG GSI

1:40 p.m.—Dance music: OLR4A

2:40 p.m.—Monitor news: WIXAL (11.79)

4 p.m.—Light music: DJB DJD

4 p.m.—Arcantina hour: LSX or LSY (12.115)

# SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

GIVING station announcements in English, followed by church chimes, CO9BZ (8.998), "Radio Salas" of Havana, Cuba, has been coming on the air recently at 7:55 a.m. EST (6:55 a.m. CST). . . The Overseas hour from Tokyo, radiated each morning from 8 to 9 a.m. EST (7 to 8 a.m. CST), and intended primarily for reception in Australia, is now being received with almost equal volume over JZJ (11.8). . . The 13-meter band is beginning to liven up a bit and almost any day between 9:15 a.m. and 12 noon EST (8:15 and 11 a.m. CST) GSG (21.53) of Daventry, England, may be heard with good signal strength, while GSH (21.47) is usually much weaker, W2XE (21.52) of New York City, due to its European beam aerial, is seldom heard with anything but poor volume. . . Transmission Three from Daventry, England, is broadcast on a frequency of 17.79 megacycles, daily from 9:15 to 10:30 a.m. EST (8:15 to 9:30 a.m. CST), over two transmitters, operating simultaneously under the call GSG, but with aerials beamed in different directions. On Sunday morning, August 15, the double signal caused by the two waves from GSG, arriving at this point at slightly varying intervals, was plainly audible. . . That evening at 7:45 p.m. EST (6:45 p.m. CST), a Latin station, presumably PSE (14.935) of Rio de Janeiro, Brazil, was heard broadcasting a musical program.

Another new Japanese station has taken to the air on 9.625 megacycles, relaying JFAK, Taihoku, Taiwan, daily from 4 to 10:30 a.m. EST (3 to 9:30 a.m. CST). On Sundays, however, the station signs off at 10:15 a.m. EST (9:15 a.m. CST). The last fifteen minutes of each broadcast is given over to news reports in English—mostly comments on recent developments in the Japanese-Chinese situation. This station has an extremely strong signal. . . JIB (10.535), Tyureiki, Taiwan, joins this newcomer in the JFAK relays after closing down its commercial telephone circuits with Tokyo around 9 a.m. EST (8 a.m. CST).

FZE8 (17.28) of Djibouti, French Somaliland, states that musical test programs are broadcast the first Thursday in each month from 6:45 to 7:15 a.m. EST (5:45 to 6:15 a.m. CST).

On Sunday evening, August 15, another new Cuban station, COCM, relaying broadcast station CMCM in Havana, made its debut on an approximate frequency of 9.85 megacycles. The address, given in Spanish, is believed to have been Apartado 33. Volume and tone quality was very good. . . Earl Roberts of Indianapolis, Ind., reports a further new Cuban as COBT. This station, which relays CMBT, has been operating on 18.75 megacycles, from 8 a.m. to 2 p.m. EST (7 a.m. to 1 p.m. CST).

It is reported that FIU, "Radio Tananarive" of Tananarive, Madagascar, has finally finished testing on various frequencies and has settled down on

9.53 megacycles where it can be heard irregularly from 9:45 to 10:45 a.m. EST (8:45 to 9:45 a.m. CST).

The Danish short-wave station, heard almost daily from 6:30 p.m. EST (5:30 p.m. CST) on a frequency of 11.805 megacycles, also broadcasts on Sundays from 8 to 10:30 a.m. EST (7 to 9:30 a.m. CST), on 9.52 megacycles, according to a letter received by Paul Sampson of Regina, Saskatchewan, Canada. A power of 6,000 watts is being radiated by the broadcaster.

The program of Argentine propaganda, formerly broadcast over LSX on Monday and Friday evenings, from 5 to 6:30 p.m. EST (4 to 5:30 p.m. CST), is now being radiated by LSY (18.115) and LRX (9.66), both of Buenos Aires.

Listeners to Daventry, England, are to hear how Charlotte Corday, one of the most tragic figures of the French Revolution, was tried for her life before the Revolutionary Criminal Tribunal. The trial has been reconstructed from the dossiers in the national archives of France, and will be heard on Friday, September 3, at 7 p.m. EST (6 p.m. CST). . . A program entitled "The Silver Greyhound," which consists of dramatic incidents in the history of the King's Messengers, the men who carry confidential dispatches from the Home Government in London to the King's Ambassadors and Ministers in foreign countries, will be recalled in a talk from Daventry, England, on Sunday, August 20, at 12:20 p.m. EST (11:20 a.m. CST).

"Radio Corriere," official publication of the Italian E. I. A. R., states that a new directional aerial beamed on North America, which is soon to be placed into service by short-wave station ZRO of Rome, will increase the effective power radiation of the broadcaster about four times.

Roy Myers of Los Angeles, Calif., has received a letter from M. B. Anderson of the Aerial Medical Service, Box 103, Cloncurry, Australia, which states that VJI, the "Flying Doctor" station, a pedal generator type transmitter with a power of 400 watts, is the headquarters station used for communication with the 40 interior medical stations. All interior transmitters have automatic keyboards similar to a typewriter that transmit the morse code perfectly at 10 words per minute and which can be operated by any member of the household without the slightest knowledge of the code. The daily schedule, with the interior stations operating on 2.02 megacycles and VJI on 2.05 megacycles, is from 4 to 5:30 p.m. and from 2 to 3 a.m. EST (3 to 4:30 p.m. and from 1 to 2 a.m. CST), while all stations operate on a frequency of 8.63 megacycles, from 5:30 p.m. to 2 a.m. EST (4:30 p.m. to 1 a.m. CST).

From Sintonia, I learn that Buenos Aires, Argentina, broadcasting station LR3, "Radio Belgrano," is soon to be relayed by Montevideo, Uruguay, short-wave stations CXA8 (9.505) and CXA14 (15.17).

6:05 p.m.—Knoche brass band: OLR4A

6:10 p.m.—Empire exchange talks: GSP GSD

6:15 p.m.—Opera from Seattle: ZRO4

6:25 p.m.—Mail box: ZRO4

7 p.m.—Army band concert: DJB DJD

7 p.m.—Orquesta Capobabe: YVSR

7:45 p.m.—Amateur hour: YVSR

8 p.m.—Mail box: OLR4A

8:15 p.m.—Light music: DJB DJD

11 p.m.—"The Heart of England": GSB GSD GSI

11:45 p.m.—School songs of Japan: JZK

12:15 a.m.—Hawaii Call: KKP

Tuesday, August 31

3:30 a.m.—Happy program: PCJ (15.22)

14:30 a.m.—13th hour: VPDZ

7:30 a.m.—Chorus from the "Zunderkerk": PH

7:40 a.m.—BIRTHDAY CELEBRATION FOR H. M. QUEEN WILHEMINA PH

10 a.m.—Middlesex vs. Surrey, cricket: GSG GSI

11:25 a.m.—Wyandott Brothers act: GSG GSI

1:40 p.m.—Popular concert: OLR4A

2 p.m.—BBC Empire orchestra: GSG GSI

4 p.m.—Variety concert: DJB DJD

5:30 p.m.—Review, "It's in the Cards": GSD GSP

6 p.m.—Max About Town program: W3XAL (17.78)

6 p.m.—Dance music: GSI GSP

6:40 p.m.—Philharmonie string trio: GSD GSP

7:30 p.m.—The Cantabile: YVSR

7:45 p.m.—Liane White, alto: DJB DJD

8 p.m.—Talk, "Wacht Affairs": GSB GSD GSI

8:15 p.m.—Vera Siddons, soprano, George Finlay, bar: GSB GSD GSI

8:30 p.m.—Telegrams: DJB DJD

9:20 a.m.—"Sabre to Latin America": W3XAL (16.06)

10 p.m.—Program from Tahiti: FOBA

11:30 p.m.—Talk, "Wacht Affairs": GSB GSD GSI

11:55 p.m.—Review, "It's in the Cards": GSB GSD GSI

12:15 a.m.—Hawaii Call: KKP

Wednesday, Sept. 1

9:45 a.m.—Clifford Roberts, organ: GSG GSI

11:20 a.m.—Falkland's Apache band: GSG GSI

1:40 p.m.—Dance music: OLR4A

2 p.m.—Dance music: GSG GSI

3:20 p.m.—BBC Midland Bayreuth orchestra: GSG GSI

4:20 p.m.—"Holiday Cruise": GSG GSI

5:20 p.m.—Dance music: GSG GSI

5:30 p.m.—A Landowner's day trip: GSD GSP

6 p.m.—Latin-American night: W3XAL (17.78)

6:15 p.m.—Nini Borechia, songs: ZRO4

6:25 p.m.—"The Heart of England": GSD GSP

7:30 p.m.—Cronaca de Alvarez, songs: YVSR

8:20 p.m.—Yascha Klein's Gypsy band: GSD GSI

9 p.m.—London Merry-Go-Round: GSB GSD GSI

11:40 p.m.—British sea songs: GSB GSD GSI

12:45 a.m.—Welsh music: GSB GSD GSI

Thursday, Sept. 2

9:15 a.m.—BBC Scottish orchestra: GSG GSI

12:20 p.m.—Henry Hall's orchestra: GSG GSI

12:40 p.m.—A Landowner's day trip: GSG GSI

1:55 p.m.—PROMENADE CONCERT: GSG GSI

2:35 p.m.—SPEEDWAY RACING: GSG GSI

3:45 p.m.—Hart House string quartet: GSG GSI

5:30 p.m.—A Landowner's day trip: GSD GSP

6:05 p.m.—Maurian vocal quartet: OLR4A

6:30 p.m.—British sea songs: GSD GSP

6:45 p.m.—Fred Hartley's novelty sextet: GSD GSI

7:40 p.m.—Popular concert: OLR4A

8 p.m.—Mail box: OLR4A

8:55 p.m.—Speedway racing commentary: GSD GSG GSI

9 p.m.—Canadian hour: HHZS

9:20 p.m.—Twilight Serenades: GSB GSD GSI

9:45 p.m.—Jazz Girls: YVSR

Friday, Sept. 3

8:15 a.m.—"The Crime and Trial of Charlotte Corday": GSG GSI

9:45 a.m.—Fred Hartley's sextet: GSG GSI

11:45 a.m.—"The Welsh Scene Today": GSG GSI

12:25 p.m.—Talk, "Wood": GSG GSI

12:30 p.m.—"Five Hours Bark": W3XAL (17.78)

W3XAL (15.33)

1 p.m.—PROMENADE CONCERT: GSG GSI

1:40 p.m.—Slovak songs and Gypsy band: OLR4A

2:05 p.m.—Folk songs: OLR4A

3:25 p.m.—BBC Variety orchestra: GSG GSI

3:30 p.m.—"Pathways to Peace": WIXAL (11.79)

4 p.m.—Arcantina hour: LSX or LSY (18.115)

5:20 p.m.—BBC Empire orchestra: GSD GSP

5:30 p.m.—Concert of request numbers: ZRO4

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

6 p.m.—"The Crime and Trial of Charlotte Corday": GSD GSI

6:40 p.m.—Scottish music: GSD GSP

8 p.m.—Concert orchestra and guests: YVSR

8:50 p.m.—Musical variety: GSD GSG GSI

10 p.m.—Program from Tahiti: FOBA

10:30 p.m.—RDKA DX Club, W8XK (6.14)

11 p.m.—London be: GSB GSD GSI

Saturday, Sept. 4

9:45 a.m.—Motor racing commentary: GSG GSI

10:30 a.m.—Dolce Suoner: GSG GSI

11:20 a.m.—Dance music: GSG GSI

12:30 p.m.—BBC presents the ABC: GSG GSI

1 p.m.—Variety, from Radiolympia: GSG GSI

2 p.m.—"The Crime and Trial of Charlotte Corday": GSG GSI

2:25 p.m.—Variety program: OLR4A

3:50 p.m.—Dance music: GSG GSI

4:30 p.m.—League of Nations: HBI, HBP

5 p.m.—Program from Budapest: HAT4

5:20 p.m.—London be: GSD GSP

5:30 p.m.—Romancee dance music: GSD GSP

5:45 p.m.—Variety program from Switzerland: HBI HBI

6 p.m.—Cocktail musical: W3XAL (17.78)

7 p.m.—Ernesto Lecuona's Cuban music: LHX

7:45 p.m.—"Gardens and Groceries": DJB DJD

7:45 p.m.—Equatorial music: YVSR

8 p.m.—BBC presents the ABC: GSD GSG GSI

8:30 p.m.—Piano and violoncello: GSD GSG GSI

10 p.m.—Northern Messenger; messages to those in the Arctic: YVSR CHX

12 mid.—"A Tour of Cuba": CO9BZ



# SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

**A** LETTER from Victor M. Escobar, Director Gen. Telefonos, Telefonos Radio Nacionales of San Salvador, El Salvador, to Louis Ambrosius of Louisville, Ky., states that the only short-wave transmitter in service there is YSJ (13.41) for daily commercial telephone communication with Miami, Fla., from 8 a.m. to 12 noon and 2 to 5 p.m. EST (7 to 11 a.m. and 1 to 4 p.m. CST); YSM (11.71), from 12 noon to 2 p.m. EST (11 a.m. to 1 p.m. CST) and YSD (7.894) from 6 to 10 p.m. EST (5 to 9 p.m. CST), for relaying the musical programs of Broadcast Station YSS. Other listeners report that YSD is only in operation at present from 9 to 10:15 p.m. EST (8 to 9:15 p.m. CST). YSM has an additional frequency of 9.52 megs, which is used irregularly. The station officials welcome reports, which should be sent to the address given above.

The mysterious VE9HS mentioned

here last week has now been identified as a 200-watt RCA transmitter owned by the Canadian Broadcasting Corporation, aboard the RMS Nascope, a Hudson Bay Company supply ship, which has been opening up a new Northwest passage through Bel-lots Straits, The Gulf of Bothia, Lancaster Sound and into Baffin Bay. VE9HS contacts VE9AV in Toronto, on a frequency of 15.19 megs, intermittently from approximately 2:20 to 7 p.m. EST (1:20 to 6 p.m. CST), after which B shift is made to 11.705 megs.

A new Mexican station, announcing as the "Short-Wave Station of the National Republican Party of Guadalupe," in Jalisco, operates on a frequency of 7.098 megs, daily from 9 to 11 p.m., or 12 mid. EST (8 to 10, or 11 p.m. CST). Announcements are made in English occasionally and once it was stated that the station was owned by a Dr. Wrigley or Brinkley. A bugle-call is used from time to time as an interval signal.

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

(Megacycles or thousands of kilocycles shown)

CJRO, Canada	0.15	JV1, Japan	9.535
CJRX, "	11.72	JZJ, "	11.80
COHZ, Cuba	9.03	JZK, "	15.16
COCQ, "	6.13	K10, Hawaii	11.66
COCO, "	6.01	KKH, "	7.52
COCQ, "	9.75	KKP, "	16.03
CSW, Portugal	9.94	LRU, Argentina	15.29
DJB, Germany	15.20	LRX, "	9.66
DJC, "	0.02	IRX, "	10.35
DJD, "	11.77	OLR3A, Czechoslovakia	9.55
OJL, "	15.11	OLR4A, "	11.54
EAJ43, Canarias	10.27	OLR5A, "	15.23
EAQ2, Spain	2.49	ORK, Belgium	10.33
FNSK, S.S. Normandia	8.823, 13.775	OXY, Denmark	9.52
FO8AA, Tahiti	7.11	PCJ, Holland	9.59, 15.22
O8A, England	6.03	PHI, "	17.775
OSB, "	9.51	PRA00, Ecuador	8.62
OSC, "	9.58	PRF5, Brazil	9.50
OSO, "	11.75	RAN, U.S.S.R.	6.60
OSF, "	15.14	RKI, "	7.510
OSO, "	17.79	RNE, "	12.00
GSX, "	21.47	RV15, "	4.273
OSI, "	15.26	RV59, "	6.00
GSJ, "	21.53	SPW, Poland	13.64
OSL, "	6.11	TFJ, Iceland	12.23
OSO, "	15.18	TPA2, France	15.24
GSP, "	15.31	TPA3, "	11.25
HAS3, Hungary	15.37	TPA4, "	11.71
HAT4, "	9.12	VE80N, Canada	6.005
HBJ, Switzerland	14.535	VK2ME, Australia	9.59
HBL, "	9.68	VK3LR, "	9.58
HBO, "	11.402	VK3ME, "	9.51
HBH, "	12.48	VPD2, Fijia	9.54
HBP, "	7.80	W1XAL, Boston, Mass.	15.95, 11.73 and 6.64
HC2RL, Ecuador	6.66	XEUZ, Mexico, D.F.	6.12
HH2S, Haiti	5.925	XEXA, "	6.172
HJIABE, Colombia	9.5	YSD, El Salvador	7.824
HJIABP, "	9.618	YV5RC, Venezuela	5.20
HPSA, Panama	11.7	ZBW3, China	9.525
HP5J, "	9.60	ZRO3, Italy	9.635
H85PJ, Siam	9.61, 12.02	ZRO4, "	11.81
HVJ, Vatican City	15.12	9MI, S. S. Kaolmbia	0.01
JDY, Kwatooug	9.925		
JVN, Japan	10.68		

Short-wave programs of American stations are shown along with the regular listings beginning on page 29. 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.

Time Given is EST  
Subtract One Hour for CST

Sunday, October 3

7 a.m.—Program from S. S. Kaolmbia: 9MI  
7 a.m.—Program from Darlen, Kwantung: JDY  
7:40 a.m.—International church: COCQ  
8 a.m.—Variety program: DJL

(Continued on Next Page)

## PROGRAM LOCATOR

(Continued from Page 20)

Texaco. Eddie Cantor, Deanna Durbin, Saymore

Van Steeden, Pater, orch. Town Hall Tonight (Ipana & Sal Hepatica) Wed. 9 p.m. (12 mid. for West)

Wheatlea, Jack Armstrong. Mon. thru Fri. 3:30 p.m. NBC-R. While the City Sleeps. Darlen, Mon. Wed. Fri. 3:15



- 8 a.m.—Overseas hour for Australia: JZJ JZK
- 9:45 a.m.—Albania, a Fish and a Motor Car: GSG
- 10 a.m.—New Metropolitan Symphony orchestra: GSG GSI
- 10:35 a.m.—Chimes and church services: W3XAL (15.25)
- 11:30 a.m.—Polish hour: SPW
- 12:20 p.m.—Foster Richardson, songs: GSG GSI
- 12:30 p.m.—Travis's mandolins: GSD GSI
- 1:20 a.m.—Fred Hartley's sextet: GSG GSI
- 1:30 p.m.—Cultural activities: W3XAL (17.78)
- \*1:30 p.m.—Program from Belgium: ORK
- 1:40 p.m.—Ireland hour: TFJ
- \*2 a.m.—Danish program: OXY (9.52)
- 2:40 p.m.—Municipal police band: OLR4A
- 3 a.m.—British Army services: GSG GSI
- 4:40 p.m.—British music: OLR4A
- 4:45 a.m.—Overseas hour (East): JZJ JZK
- 6 a.m.—News and music: EAJ4B
- 6:40 p.m.—British Government program: XECR
- 8:30 a.m.—Chamber music: GSD GSP
- 9:10 p.m.—Our Sunday concert: DJB DJD
- 9:30 p.m.—Program from Moscow: RAN RKI
- 9:40 p.m.—Developed program: HAT4
- 10:10 p.m.—British program: EAQ2
- 10:30 p.m.—British program: FCI (9.59)
- 10:40 p.m.—Marie Narchlowska, harpist: GSD GSP
- 11 a.m.—Two Hours with Cuba: COCO
- 11:30 p.m.—Finnish ballads: GSD GSP
- 11:40 p.m.—Czech's song band: LIX
- 11:50 p.m.—El Salvadorian program: YSD
- 12:10 p.m.—Central Band of H. M. Royal Air Force: GSG GSI
- 12:15 p.m.—Church services: GSD GSG GSI
- 12:40 p.m.—English program: XENA
- \*1:30 p.m.—Overseas hour (Pacific coast): JZK
- 1:40 p.m.—English news: COCQ
- \*1:50 p.m.—English DX program: XEUX
- \*2 a.m.—English program from Siberia: RV15

### Monday, October 4

- 1 a.m.—Guy Johnson, pianist: GSB GSD GSO
- 3:40 a.m.—Long Distance Listening: GSB GSD GSO
- 5:30 a.m.—Fiji hour: VPD2
- 8 a.m.—Swedish broadcast: HSBPJ (19.02)
- 8:40 a.m.—Oriental variety: ZBW3
- 10:15 a.m.—Helen Just, cello: GSG GSI
- 12:30 p.m.—Polish hour: SPW
- 1:40 p.m.—Frederick Hall, harp: GSG GSI
- 1:20 p.m.—Letter-box: 2R04
- 1:25 p.m.—Chamber music: GSG GSI
- 2 p.m.—Monday at Seven: GSG GSI
- 3:05 p.m.—Old Czech masters: OLR4A
- 3:25 p.m.—Eva Sien's Yiddish Chauvre Souris Company: GSG GSI
- 4:45 p.m.—English hour from Brazil: PRF5
- 5 a.m.—BBC Orchestra: GSG GSO
- 6 a.m.—Monitor news: W3XAL (11.79)
- 6:15 p.m.—Royal Carabinieri band: 2R04
- 6:15 p.m.—California as a Winter Resort: W2XAP (9.53) and W2XAD (15.33)
- 6:45 p.m.—When I Lectured in America: 2R04
- 7 p.m.—South American news: W3XAL (17.78)
- 7:30 p.m.—Lucy Laurie, songs: 2R04
- 7:35 p.m.—Children's songs: OLR4A
- 7:15 p.m.—Mail bag: 2R04
- 7:30 p.m.—Rustic band: OLR4A
- 7:55 p.m.—SCENES FROM O'ERA, "Two Widows": OLR4A
- 8 p.m.—Orquesta Capiteles: YV5RC
- 8:40 p.m.—Ballet Music: OLR4A
- 8:45 p.m.—Amateur hour: YV5RC
- 9 p.m.—Edgar Peto, organist: GSD GSG GSI
- 9 p.m.—Mail bag: OLR4A
- 9:30 p.m.—Play, "Object All Sublime": GSD GSG
- 1:15 a.m.—Hawaii Calls: KKP

### Tuesday, October 5

- 9:20 a.m.—Phohi ensemble: PII
- 9:45 a.m.—Invitation to Bhutan: GSG GSI
- 11:20 a.m.—Keyboard music through the ages: GSG GSI
- 11:45 a.m.—World Affairs: GSG GSI
- 1:35 p.m.—Reginald Fourt, organ: GSG GSI
- 3 p.m.—Flying High: GSG GSI
- 3:05 p.m.—Organ recital: OLR4A
- 3:25 p.m.—Humorous folk-songs: OLR4A
- 4:35 p.m.—Billy Theburn's orchestra: GSG GSO
- 5:15 p.m.—Fred Hartley's sextet: GSG GSO
- 6:20 p.m.—Empire exchange talks: GSD GSP
- 6:40 p.m.—This in England: GSD GSP
- 7 p.m.—Scottish music: GSD GSP
- 8 p.m.—Man-About-Town: W3XAL (17.78)
- 8:30 p.m.—Continental: YV5RC
- 9 p.m.—"World Affairs," Sir Malcolm Robertson: GSG GSI
- 10:30 p.m.—Cedric Sharpe's sextet: GSD GSG GSI
- 11 p.m.—Program from Tahiti: F08AA
- 11:30 p.m.—Latin American salute: W3XAL (6.06)
- 1:15 a.m.—Hawaii Calls: KKP
- 2:45 a.m.—Stop Dancing: GSB GSD GSO

### Wednesday, October 6

- 9:15 a.m.—Coventry Hippodrome orch.: GSG GSI
- 11 a.m.—Program from S. S. Normandie: FNSK
- 11:20 a.m.—The End of the Old One-horned Stag: GSG GSI
- 12:20 p.m.—Al Collins' dance orchestra: GSG GSI
- 1:20 p.m.—Film Shots: GSG GSI
- 2:20 p.m.—H. Robinson Cleaver, organ: GSG GSI
- 2:40 p.m.—Rustic band: OLR4A
- 3 p.m.—Revue, "All in Pink": GSG GSI
- 3:05 p.m.—Song recital: OLR4A

- 4:20 p.m.—A HUNDRED YEARS AGO, celebrating the centenary of the "P. & O.": GSG
- 6:15 p.m.—Opera from Scala: 2R04
- 6:20 p.m.—Empire Exchange talks: GSD GSP
- 6:45 p.m.—Of Interest Today: 2R04
- 6:55 p.m.—Empire revue, "All in Pink": GSD GSP
- 7 p.m.—Stop dancing: GSD GSP
- 8 p.m.—Latin-American night: W3XAL (17.78)
- 8 p.m.—At the Black Dog: GSD GSP
- 9:20 p.m.—BBC Empire orchestra: GSG GSI
- 10:30 p.m.—Play, "The Doubtful Marriage of Li Sing": GSD GSG GSI

### Thursday, October 7

- 3:45 a.m.—Chamber music: GSB GSD GSO
- 9:15 a.m.—Monologue in melody: GSG GSI
- 10:15 a.m.—Eastbourne Municipal orch.: GSG GSI
- 12:45 p.m.—Victor Silvester's orchestra: GSG GSI
- 1:20 p.m.—Green Fields and Pavements: GSG
- 2:40 p.m.—Brass band: OLR4A
- 3:25 p.m.—Songs from Ilona: OLR4A
- 5:05 p.m.—Long-distance listening: GSG GSO
- 6:20 p.m.—The week's news: GSD GSP
- 7 p.m.—Celebration of the centenary of the "P. & O.": GSD GSP
- 7:05 p.m.—Brass band: OLR4A
- 7:30 p.m.—Organ recital: OLR4A
- 7:55 p.m.—Folk-songs: OLR4A
- 8:40 p.m.—Operetta selections: OLR4A
- 9 p.m.—Mail bag: OLR4A
- 9 p.m.—Spanish classical music: TIC2RL
- 9:20 p.m.—The Dowager Marchioness of Reading describes some of the interesting things she has seen and done during the week: GSD GSG GSI
- 10 p.m.—Canadian hour: H112S
- 10:40 p.m.—Film shorts: GSD GSG GSI
- 10:45 p.m.—Jazz Girls: YV5RC
- 2 a.m.—Dancing through: GSB GSD GSO

### Friday, October 8

- 3:45 a.m.—Eric Thlman, organ: GSB GSD GSO
- 9 a.m.—Variety program: PIII
- 9:15 a.m.—BBC Empire orchestra: GSG GSI
- 11:30 a.m.—Put to the test: GSG GSI
- 1:25 p.m.—H. M. Coldstream Guards band: GSG
- 2:30 p.m.—Five Hours Back: W3XAL (17.78) W2XAD (15.33)
- 3 p.m.—Buenos Aires program: LRX
- 3:05 p.m.—Music from famous Czech operas: OLR4A
- 3:30 p.m.—Haunting harmonies: GSG GSI
- 3:25 p.m.—Orchestra music: OLR4A
- 4:25 p.m.—Saturday's game: GSG GSO
- 5:25 p.m.—The Case of the Threaded Whale: GSG
- 5:30 p.m.—Solar and Terrestrial Relationships: W3XAL (11.79)
- 6:15 p.m.—Request numbers: 2R04
- 6:45 p.m.—BBC Empire orchestra: GSD GSP
- 7 p.m.—Rene's Midnight Voice: 2R04
- 7:05 p.m.—David Morgan, organ: GSD GSP
- 8 p.m.—Woman's Page: W3XAL (17.78)
- 9 p.m.—Concert orchestra: YV5RC
- 9:40 p.m.—Put to the test: GSD GSG GSI
- 10:30 p.m.—In and Out of Rhythm: GSD GSG
- 11 p.m.—Program from Tahiti: F08AA
- 12:15 a.m.—DX Club: W3XK (6.14)

### Saturday, October 9

- 3:45 a.m.—"The Case of the Threaded Whale," Captain Alan Villiers: GSB GSD GSO
- 8:30 a.m.—Meeting of Phohi Club: PII
- 8:50 a.m.—Radio review: PII
- 9:15 a.m.—Coventry Hippodrome orch.: GSG GSI
- 9:25 a.m.—Microphone debutantes: PII
- 9:35 a.m.—Joe Petersen, songs: PII
- 9:50 a.m.—Concert music: PII
- 10:30 a.m.—Sydney Torch, organ: GSG GSI
- 12:20 p.m.—Play, "Object All Sublime": GSG GSI
- 1:35 p.m.—In and out of rhythm: GSG GSI
- 2:30 p.m.—BBC presents the ABC: GSG GSI
- 3:05 p.m.—Ballet music: OLR4A
- 3:25 p.m.—Variety program: OLR4A
- 3 p.m.—Music Hall: GSG GSI
- 5:30 p.m.—League of Nations: HBL HBP
- 5:45 p.m.—Home of the Teak Tree: GSG GSO
- 6 p.m.—Budapest program: HAT4
- 6:20 p.m.—Music Hall: GSD GSP
- 6:45 p.m.—Variety program: HBJ HBO
- 7:20 p.m.—"The Case of the Threaded Whale," Captain Alan Villiers: GSD GSP
- 8 p.m.—Cocktail music: W3XAL (17.78)
- 8:45 p.m.—Equestrian music: YV5RC
- 10:35 p.m.—Rae Jenkins' orch.: GSD GSG GSI
- 10:50 p.m.—Vagabond Lovers: GSD GSG GSI
- 12 mid.—Northern Messengers; messages to those in the Arctic: VE9DN CRX

### News Broadcasts

- Daily—12:30 a.m., JZK; 12:45, COCQ; 3:25, GSB, GSD, GSG, GSO; 3:40, TPA3; 8:30, GSG, GSI, GSI; 11, GSF, GSG, GSI, GSI; 1 p.m., GSB, GSD, GSG, GSI; 3:10, TPA3; 4, GSI, GSF, GSG, GSO, OLR4A; 4:30, JZJ, JZK; 6:30, EAQ2; 6:40, HPSJ; 7, RAN; 7:15, CSW; 7:30, EAQ2; HPSJ; 7:40, GSD, GSF, GSO, GSP; 8:15, DJB, DJD; 10:10, GSR, GSD, GSG, GSI; 10:30, DJB, DJD; 10:45, CJB, CFRX; 11:30, TPA4.
- Daily except Sundays—6 a.m., YK3ME; 7:30, YK3LR; 1:20 p.m., 2R04; 6, 2R03.
- Sun. Mon., Wed., Fri.—8 a.m., JZJ, JZK; 4 p.m., RNE.
- Mon. & Thurs.—8:30 p.m., OLR4A



# SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

THE day of erratic and unsatisfactory short-wave reception has largely passed. Today all-wave receivers are sensitive and easy to tune, transmitters more powerful and aeriads more efficient. Because of these factors we are now able to enjoy daily programs from the leading stations of the world. In fact, there are only a few days during the course of an entire year in which foreign reception is not only possible but of excellent program value. Daily news comments and entertainment features from England, Germany, Japan, Spain and many other countries, are now accepted as a matter of fact by thousands of listeners. In the future as more and more powerful short-wave stations are built, as programs are made available in more variety and schedules extended, short-wave reception is bound to play an increasingly important part in providing the international side of the daily education and entertainment fare from our receivers.

During the present important session of the League of Nations, the short-wave transmitters at Prangins, Switzerland, are being used daily except Saturdays and Sundays to radiate reports of its activities as follows: Over HBO (11.402), from 2 to 2:15 p.m. EST (1 to 1:15 p.m. CST) and over HBL (9.345), from 7:30 to 7:45 p.m. and from 8 to 8:15 p.m. EST (6:30 to 6:45 p.m. and from 7 to 7:15 p.m. CST).

August Balbi of Los Angeles, Calif., writes that XGOX of Nanking, China, is not off the air, as recently reported but still going strong daily from 7 to 11 a.m. EST (6 to 10 a.m. CST) on a new frequency of 9.8 megas. A woman announcer gives a news bulletin in English, concerning the Chinese factor of the Sino-Japanese conflict, at 7:30 a.m. EST (6:30 a.m. CST). The call-letters are given in English at 7:45 a.m. EST (6:45 a.m. CST). The broadcaster relays 75,000-watt Broadcast Station XGOA . . . OLR4A (11.84) of Prague, Czechoslovakia, is now being heard daily from 12 noon to 2 p.m. EST (11 a.m. to 1 p.m. CST) and from 11 p.m. to 1:15 a.m. EST (10 p.m. to 12:15 a.m. CST) . . . XEBR of Hermosillo, Mexico, may be heard on either 11.82 or 10.65 megas irregularly from 4 to 7 p.m. EST (3 to 6 p.m. CST).

An interesting program will be the broadcast over CNSAJ (7.045-14.09) of Casablanca, Morocco, at 2 a.m. EST (1 a.m. CST), on Monday, October 11. Send reports to K. Cretien of 29 Rue des Villas, Casablanca.

"Radio Nacional" in Salamanca, Spain, at General Franco's headquarters in that city, may be heard daily up to 8:30 or 8:45 p.m. EST (7:30 or 7:45 p.m. CST) on a frequency of approximately 10.37 megas (the same frequency as that used by EAJ43 of the Canary Islands). War news in English is given at 8:15 a.m. EST (7:15 a.m. CST), which is usually followed by a short musical program. Reports should be sent to Radio Nacional, Salamanca, Spain . . . Carl Eder of Willmar, Minn., reports hearing a French communist station, announced as "Radio Liberte" (9.53), signing off at 6:33 p.m. EST (5:33 p.m. CST). Announcements in French, German and Italian gave the address as Radio Liberte, 10 Ave. de la Liberte, Becon Courbevois, France.

John DeMyer of Lansing, Mich., believes that the recent tuning-in of UPOL, the short-wave station of the

Soviet air base at the North Pole, afforded him one of the greatest thrills he has yet experienced in dialing the higher frequencies. A letter to him from the authorities in Moscow, states that UPOL operates on a frequency of 14.409 megas, daily from 2 to 4 p.m. EST (1 to 3 p.m. CST).

The series of broadcasts sponsored by the International DX-ers Alliance, from St. Denis, on the lonely and remote "Isle de Reunion," in the Indian Ocean, will be transmitted over FR8VX (14.34), at 3 p.m. EST (2 p.m. CST), on October 15, 16 and 17. These three broadcasts will constitute the first programs ever to be heard from this island. The novelty of the programs will be further enhanced by the fact that they will be radiated over the transmitter owned by Prince Vinh San, exiled King of Annam, who will preside at the mike.

WIXAL, the "University of the Air" at Boston, Mass., will operate according to the following schedule this season: On 15.23 megas, daily from 2:30 to 4:30 p.m. EST (1:30 to 3:30 p.m. CST) and Sundays from 10:15 a.m. to 12 noon EST (9:15 to 11 a.m. CST); on 11.79 megas, daily from 5 to 6:30 p.m. EST (4 to 5:30 p.m. CST), and 6.04 megas, Sundays only, from 5 to 7 p.m. EST (4 to 6 p.m. CST).

Manuel Barbers of Buenos Aires sends me the following news concerning South American short-wavers: CXAB, Montevideo, Uruguay, relay station of LR3 of Buenos Aires, Argentina, now broadcasting on a frequency of 9.64 megas, is operating daily from 7 a.m. to 12 mid. EST (6 a.m. to 11 p.m. CST). Announcements thus far have been in Spanish only, but at the invitation of the station, Mr. Barbers is preparing a record with the station identification in Portuguese, Italian, French, English, German and Russian. Send reports to Belgrano 1841, Buenos Aires . . . "La Voz de Pereira" (6.145), Pereira, Colombia, formerly known as HJ4ABU, has changed its call to HJ6ABA . . . OAX4G, "Radio Grellaud," Lima, Peru, is now operating on a frequency of 6.26 megas . . . The new address of CXA2 is Camino Carrasco 5151, Montevideo, Uruguay. This station has been off the air for some time but will soon resume operations with a new 5,000-watt transmitter on a frequency of 8 megas . . . CB1190, "La Voz de Valdivia, Radio Sur Aliviol," Valdivia, Chile, relays Broadcast Station CB69, on a frequency of 12.007 megas, daily from 7 to 10 p.m. EST (6 to 9 p.m. CST). The address is Casilla 731 . . . CB1170 (11.76) relays the programs of CB89, Radio Otto Becker, Ahumada 113, Santiago, Chile, daily from 10 a.m. to 2 p.m. and from 3:30 to 11 p.m. EST (9 a.m. to 1 p.m. and from 2:30 to 10 p.m. CST).

Is the human brain capable of acting as a short-wave receiver? Listen to the Zenith Radio Foundation program on Sundays at 10 p.m. EST (9 p.m. CST) over the NBC-Blue network, and you will be engrossed in a new and startling theory of mental-wave propagation. Plans to Commander McDonald for daring to pioneer in a new field of science.

According to Elizabeth-Ann Tucker, program director for W2XE, New York City, South American listeners have presented a new problem to the Columbia Broadcasting System by their almost unanimous insistence on programs devoted to descriptions of the latest New York and Hollywood fash-

ions. Plans to keep them in touch with the latest Fifth Avenue and motion-picture creations are now being worked out. DX-ers in England show a decided preference for American dance bands and singers of popular melodies, but reports from Latin America, South Africa and other distant lands indicate that classical programs, such as the Sunday Evening Hour, the Philharmonic concerts and Howard Barlow's "Everybody's Music" also have a large following.

E. Reinhard, of Red Bank, N. J., reports hearing CSW, Lisbon, Portugal, on a new frequency of 11.84 megas, on Sunday, September 30, from 2 to 2:30 p.m. EST (1 to 1:30 p.m. CST). This frequency may be used on a daily basis if the tests are successful.

(Programs on Page 47)

## One Cent a Day Brings \$100 a Month

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# SHORT WAVES

Monday, October 18

**A** NEW station located in Bucaramanga, Colombia, HJ7ABD (9.63), "Radio Bucaramanga," took the air with initial tests on Sunday evening, September 26. The broadcaster, which usually relays the programs of HJ2ABD (5.088), also of Bucaramanga, is now being heard daily from 5:30 to 10 p.m. EST (4:30 to 9 p.m. CST), with excellent signals. English announcements made at frequent intervals, request reports which should be addressed simply to Radio Bucaramanga, Bucaramanga, Colombia.

R. B. Oxrieder of State College, Penn., sends me the following notes: XEBT (6) of Mexico, D. F., is now relaying the governmental program heard over XEGR (7.38), Mexico, D. F., on Sundays from 6 to 8 p.m. EST (5 to 7 p.m. CST). . . The address of the new Guadalajara, Mexico, short-wave station, owned by the National Revolutionary Party, being heard nightly on 7.1 megas, is given as 210 Madero Street . . . RK1, Moscow, U. S. S. R., which relays the Soviet program for North America daily from 7 to 9:15 p.m. EST (6 to 8:15 p.m. CST), is now being heard on a frequency of 7.534 megas . . . Reports concerning the activities at the present session of the League of Nations are being heard

week-days except Saturdays from 7:30 to 7:45 p.m. EST (6:30 to 6:45 p.m. CST), over HBL (9.345) of Geneva, Switzerland . . . CD1190, Valdivia, Chile, has shifted its frequency to 12 megas . . . CXAB, the Montevideo, Uruguay, station which relays LR3 of Buenos Aires, Argentina, has gradually shifted in frequency down to 9.637 megas.

Earl Roberts of Indianapolis, Ind., reports logging the unusual station, X4BG1 (14.28), on September 29, at 11:55 p.m. EST (10:55 p.m. CST). The operator, who was calling United States stations in English, stated that his name was Salvado Billosenor, and that he was located at El Palmito, Durango, Mexico, where a big government dam is being built under the supervision of Mr. Thorne, an American engineer . . . Several California police stations are being heard in the Middle West between 6 and 8 p.m. EST (5 and 7 p.m. CST). Those that have been logged are: W6XBA, Los Angeles, W6XKW, Alameda, W6XGC, San Gabriel, all on 30.1 megas, and W6XEL, Long Beach, on 33.1 megas.

The overseas hour from Tokyo, Japan, heard daily from 8 to 9 a.m. EST (7 to 8 a.m. CST), is now being broadcast over JZJ (11.8) only.

- 15:30 a.m.—Fiji hour: VPD2
- 8:30 a.m.—Siamese broadcast: HSDP (19.02)
- 8:30 a.m.—Oriental variety: ZHW3
- 9:20 a.m.—Dutch songs: PH1
- 12:20 p.m.—Billy Merri's orchestra: GSG GSI
- 12:30 p.m.—Polish hour: SPW
- 1:20 p.m.—Light music: GSG GSI
- 1:20 p.m.—Letter-box: 2R04
- 2 p.m.—Monday at Seven: GSG GSI
- 4:05 p.m.—Scenes from opera, "Battered Bride": OLR4A
- 4:45 p.m.—English hour from Brazil: PRF5
- 4:50 p.m.—Scientific news: WJAL (11.79)
- 6 p.m.—Special dance evening: DJB DJD
- 6 p.m.—Monitor news: WJAL (11.79)
- 6:30 p.m.—Scientific survey: 2R04
- 6:30 p.m.—Dr. Ernest Bullock, organ: GSD GSP
- 6:45 p.m.—Sicilian folk songs: 2R04
- 7 p.m.—Sciuto: 2R04
- 7:25 p.m.—Knoch's brass band: OLR4A
- 7:15 p.m.—Mail bag: 2R04
- 7:30 p.m.—Radio amateur's course: WJAL (11.79)
- 7:30 p.m.—Light evening entertainment: DJB DJD
- 7:30 p.m.—Popular orchestra and Rafael Guinani: YV5DF
- 7:30 p.m.—Slovak songs: OLR4A
- 8:15 p.m.—Airs from Czech operas: OLR4A
- 8:40 p.m.—Military band: OLR4A
- 9 p.m.—Mail bag: OLR4A
- 9:15 p.m.—Masters of miniature art: DJB DJD
- 9:45 p.m.—British composers: GSD GSG GSI
- 10:30 p.m.—The Empire Folies: GSD GSG GSI
- 2 a.m.—Anthony Paul, violin: GSB GSD GSO

## Tuesday, October 19

- 3:55 a.m.—Score songs: GSB GSD GSO
- 4:30 a.m.—Happy program: PCJ (15.22)
- 9:45 a.m.—Hunting Harmonies: GSG GSI
- 11:20 a.m.—Keyboard Music through the Ages: GSG GSI
- 12:20 p.m.—This is England: GSG GSI
- 1:55 p.m.—SCENES FROM "THE WINTER'S TALE," Shakespeare: GSG GSI
- 3:05 p.m.—Bardsichard revival: OLR4A
- 4:20 p.m.—Musical tale of the East: GSG GSI
- 6:20 p.m.—In and out of rhythm: GSD GSP
- 7:30 p.m.—Memories of an Irish childhood: GSD GSI

(Continued on Next Page)

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

(Megacycles or thousands of kilocycles shown)

CJRO, Canada	6.15	JV1, Japan	9.63
CJRX, "	11.72	JZJ	11.80
CORZ, Cuba	9.40	JZK	12.14
COCD, "	8.14	" Hawaii	11.54
COCO, "	6.81	KHP, "	7.52
COCQ, "	9.75	KKP, "	16.05
CSW, Portugal	9.94	LUU, Argentina	15.79
DJB, Germany	15.20	LUX, "	9.69
DJC, "	6.52	LFX, "	10.30
DJF, "	11.77	OLR3A, Czecho-	
DJH, "	11.77	slovakia	9.55
EAJ43, Canarias	15.37	OLR4A, "	11.84
EAQ2, Spain	15.20	OLR5A, "	15.23
FAQ2, Spain	9.49	ORX, Belgium	16.33
FNOX, S. S. Yur.	13.275	OXY, Denmark	9.52
mobile	9.823	PCJ, Holland	9.59, 15.22
FORAA, Tahiti	7.11	PH1, "	17.779
GSA, England	8.40	PRF5, Ecuador	9.62
GSR, "	9.51	PRF6, Brazil	9.50
GSC, "	9.58	RAN, U. S. S. R.	9.40
GSD, "	11.76	RKL, "	7.618
GSE, "	18.14	RNE, "	12.00
GSG, "	17.79	RV16, "	4.273
GSH, "	17.41	RV30, "	6.09
GSI, "	19.29	SPW, Patent	13.04
GSL, "	21.53	TFZ, Iceland	12.23
GSM, "	6.11	TPA2, France	15.24
GSO, "	15.18	TPA3, "	11.87
GSP, "	15.31	TPA4, "	11.71
HASZ, Hungary	15.37	VX30, Canada	6.05
HATA, "	9.12	YKME, Australia	9.59
HJ7J, Switzerland	14.535	VK3LR, "	9.61
HBL, "	9.40	VK3ME, "	9.51
HBO, "	11.402	VPD2, Fiji	9.54
HBN, "	14.48	WIXAL, Boston, Mass.	15.25, 11.79 and 6.04
HBP, "	7.80	XEUX, Mexico, D. F.	6.12
HCBRL, Ecuador	6.46	XENA, "	6.122
HGDS, Haiti	6.925	YSD, El Salvador	5.80
HJ1ABE, Colombia	9.5	YV5RC, Venezuela	9.225
HJ1ABP, "	9.495	ZW3C, China	9.635
HJ1AA, Panama	11.7	ZR05, Italy	11.81
HJ2A, "	8.40	ZR04, "	
HSEBP, Sum. I. S.	14.02	9MT, S. S. Kasim-	
HJY, Vatican City	15.12	bia	6.01
HJZ, Kwantung	9.923		
JVN, Japan	16.40		

Short-wave programs of American stations are shown along with the regular listings beginning on page 28. These are indicated, for example, by (sw-11-37) 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.

Time Given is EST Subtract One Hour for CST

### News Broadcasts

- Daily—12:30 a.m., JZK; 12:45, COCQ; 3:25, GSB, GSD, GSG, GSO; 3:40, TPA3; 8:30, GSG, GSH, GSI, JZJ, JZK; 11, GSF, GSG, GSH, GSI; 1 p.m., GSB, GSD, GSG, GSI; 3:10, TPA3; 4, GSB, GSF, GSG, GSO, OLR4A; 4:30, JZJ, JZK; 6:30, EAQ2, HPSA; 6:40, HPSJ; 7, RAN; 7:15, CSW; 7:30, EAQ2, HPSJ; 7:40, GSD, GSF, GSO, GNP; 8:15, DJB, DJD; 10:10, GSB, GSD, GSG, GSI; 10:30, DJH, DJD; 10:45, CJRO, CJRX; 11:30, TPA4.
- Daily except Sundays—6 a.m., VK3ME; 7:30, VK3LR; 1:20 p.m., 2R04; 6 p.m., 2R03.
- Sun., Mon., Wed., Fri.—4 p.m., RNE.
- Mon. & Thurs.—8:30 p.m., OLR4A.

### Sunday, October 17

- 3:3 a.m.—English programs from Siberia: RV15
- 5:45 a.m.—Concert of Russian music: GSG GSI
- 7 a.m.—Program from S. S. Kamishla: 9M1

- 7:2 a.m.—Program from Harbin, Kwantung: JDY
- 7:40 a.m.—International church: COCQ
- 8 a.m.—Overseas hour for Australia: JZJ, JZK
- 10 a.m.—Esh-hourly Musical arch.: GSG GSI
- 10:15 a.m.—Chimes and church services: WJAL (15.25)
- 11:30 a.m.—Polish hour: SPW
- 12:40 p.m.—Danzig Revue, organ: GSG GSI
- 1:30 p.m.—Cultural activities: WJAL (17.79)
- 1:40 p.m.—Iceland hour: TFZ
- 1:50 p.m.—Arthur Pear, harpiste: GSG GSI
- 2:2 p.m.—Danish program: OZF (9.52)
- 2:10 p.m.—Fred Hartley's sextet: GSG GSI
- 2:55 p.m.—Baptist services: GSG GSI
- 3:05 p.m.—Songs from old Prague: OLR4A
- 4:30 p.m.—Overseas hour (East): JZJ, JZK
- 4:45 p.m.—North China Incident and the Hermit Financial Week: JZJ, JZK
- 5 p.m.—Chinese lantern songs: DJB DJD
- 5:30 p.m.—Dance orchestra: YV5RC
- 6 p.m.—News and music: EM43
- 6 p.m.—Mexican Government program: XEGR
- 6:30 p.m.—Roman Catholic services: GSD GSP
- 7 p.m.—Chimes and church services: WJAL (6.04)
- 7 p.m.—Budapest program: HAT4
- 7 p.m.—Program from Moscow: RAN, RK1
- 7 p.m.—English program from Madrid: EAR (EMQ2)
- 7 p.m.—Happy program: PCJ (9.59)
- 7:20 p.m.—Play, "A Mint of Money": GSD GSP
- 7:30 p.m.—Musical sketches from Chopin's life: DJB DJD
- 7:30 p.m.—Two Hours with Cuba: COCO
- 8 p.m.—Dance orchestra: YV5RC
- 8 p.m.—Wesminster Players: GSD GSP
- 9 p.m.—H. M. Scott's Guards band: GSD GSG
- 9 p.m.—Curao's tango band: LRX
- 9 p.m.—El Salvadorian program: YSD
- 9:15 p.m.—Brass band concert: DJB DJD
- 10:10 p.m.—Baptist services: GSD GSG GSI
- 11 p.m.—English program from Mexico: XENA
- 12:30 a.m.—Dance music: HPSA
- 12:30 a.m.—Overseas hour (Pacific coast): JZK
- 12:45 a.m.—English comments: COCQ
- 1 a.m.—English DX program: XEUX
- 2:30 a.m.—BBC Empire arch.: GSB GSD GSO

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

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 City \_\_\_\_\_ State \_\_\_\_\_



(Tuesday) Continued

- 7:45 p.m.—Stanislaus Niedzielski, piano: DJB
- 8 p.m.—Man About Town: W3XAL (17.78)
- 8:30 p.m.—Vaudeville theater: YV5RC
- 9:55 p.m.—Bedvers Llewellyn, sea shanties: GSB GSD GSI
- 11 p.m.—Program from Tahiti: FO8AA
- 11:30 p.m.—Salute to Latin America: W8XAL (6.06)
- 12:45 a.m.—Mitsuko Tsukinura, songs: JZK
- 2 a.m.—Charles Ernesto quintet: GSB GSD GSO
- 3:45 a.m.—Symphonies of Beethoven: GSB GSD

### Wednesday, October 20

- 11:35 a.m.—Hotel Victoria orchestra: GSG GSI
- 2 p.m.—OPERETTA, "The Lilar Domino": GSG GSI
- 3:55 p.m.—Mail bag: OLR4A
- 4:30 p.m.—BBC SYMPHONY CONCERTS, BBC Symphony Orchestra; Sir Adrian Boult, conductor: GSG GSO
- 5:35 p.m.—Tommy Matthews' concert band: GSG
- 6 p.m.—Special entertainment concert: DJB DJD
- 6:15 p.m.—Band concert: 2R04
- 6:20 p.m.—Empire Exchange talks: GSD GSP
- 6:45 p.m.—Talk, "Of Interest Today": 2R04
- 7 p.m.—Folk songs: 2R04
- 7 p.m.—Budapest program: HAT4
- 7:30 p.m.—Don Mariani, tangos: YV5RC
- 7:30 p.m.—Play, "Jurgen Wullenweber": IMB
- 8 p.m.—Latin American night: W3XAL (17.78)
- 8:10 p.m.—Sporting news on test: GSD GSP
- 9:20 p.m.—BBC Empire orchestra: GSD GSG GSI
- 9:30 p.m.—OPERA, "The Magic Flute," Mozart (Act I): DJB DJD
- 2 a.m.—Radio revue: GSB GSD GSO

### Thursday, October 21

- 3:40 a.m.—Gershwin Parkinson trio: GSB GSD
- 8:15 a.m.—Musical, "Genji Monogatari": JZJ
- 11:20 a.m.—Both Pump Room orch.: GSG GSI
- 1:25 p.m.—Green Firths and Pavements: GSG GSI
- 2 p.m.—Trolldagur Day: GSG GSI
- 2:40 p.m.—Eight Bells: GSG GSI
- 4:25 p.m.—Northern Music Hall: GSG GSO
- 5:35 p.m.—Light music: GSG GSO
- 6 p.m.—In the wonderland of the operetta: DJB DJD
- 6:27 p.m.—The week's news: GSD GSP
- 7:05 p.m.—Military band: OLR4A
- 7:20 p.m.—Radio cabaret: DJB DJD
- 7:55 p.m.—Light music and songs: OLR4A
- 8:30 p.m.—Gloria Lamar, soprano: YV5RC
- 9 p.m.—Spanish classical music: HC2RL
- 9 p.m.—The Dowager Marchioness of Reading describes some interesting things she has seen and done during the week: GSD GSG GSI
- 9 p.m.—Mail bag: OLR4A
- 9:15 p.m.—OPERA, "The Magic Flute," Mozart (Act II): DJB DJD
- 10 p.m.—Canadian hour: III25

### Friday, October 22

- 9 a.m.—La Joie de Paris: PHH
- 10:15 a.m.—For the Colonial Service: GSG GSI
- 11:30 a.m.—The Talking Horse: GSG GSI
- 12:20 p.m.—Charles Brill's orchestra: GSG GSI
- 1:45 p.m.—Stop dancing: GSD GSI
- 2:30 p.m.—Five Hours Back: W3XAL (17.78) W2XAL (15.33)
- 3 p.m.—English program: LIX
- 3:05 p.m.—Organ recital: OLR4A
- 4:45 p.m.—International Aspects of the North China Incident: JZJ JZK
- 5:30 p.m.—Talk, "Pathways to Peace": W1XAL (11.79)
- 6 p.m.—Play, "Jerehawitz Anna" DJB DJD
- 6:15 p.m.—Request concert 2R04
- 6:45 p.m.—Excerpts from operettas: GSD GSP
- 7 p.m.—Rome's Midnight Voice: 2R04
- 7:15 p.m.—Lois Alvarez' orchestra: YV5RC
- 8 p.m.—Woman's Page: W3XAL (17.78)
- 8:05 p.m.—Ralph Downes, organ: GSD GSP
- 10:15 p.m.—Let us sing a folk song together: DJB DJD
- 10:35 p.m.—Herbert Freyer, piano: GSD GSG GSI
- 11 p.m.—Program from Tahiti: FO8AA
- 12:15 a.m.—DX Club: W8XAL (6.14)
- 12:45 a.m.—Japan in October: JZK
- 2 a.m.—London log: GSB GSD GSO

### Saturday, October 23

- 3:45 a.m.—Can You Beat It? Supernatural Intervenes, William Martin-Hurst: GSB GSD
- 8:30 a.m.—Phoni Club meeting: PHH
- 9:15 a.m.—Microphone debutantes: PHH
- 9:50 a.m.—Music from Amsterdam: PHH
- 3 p.m.—Music Hall: GSG GSI
- 3:05 p.m.—Scenes from opera, "Dalibar," Smetana: OLR4A
- 4:40 p.m.—OPERA, "Aida" (Act II and III): GSG GSO
- 5:30 p.m.—League of Nations: IIIH, IIIH'
- 6 p.m.—Gay radio scenes: DJB DJD
- 6 p.m.—Budapest program: HAT4
- 6:20 p.m.—Music Hall: GSD GSP
- 7:15 p.m.—Porto Carrero Sisters, trio: YV5RC
- 7:30 p.m.—Sailors' yarns: DJB DJD
- 8 p.m.—Cocktail music: W3XAL (17.78)
- 8 p.m.—Ernesto Lecuona's music: LIX
- 8:05 p.m.—Cellini trio: GSD GSP
- 9 p.m.—And so to the Gardens: GSD GSG GSI
- 9:15 p.m.—Here is dancing: DJB DJD
- 10:35 p.m.—Stop dancing: GSD GSG GSI
- 12 mid.—Northern Messenger; messages to those in the Arctic: VE9DX CBCX



# SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

**A**CCORDING to an official announcement, recently intercepted from Daventry, England, transmissions from that short-wave center, directed upon sections of the world not covered at this time, will be broadcast in several foreign languages just as soon as additional transmitters and aerials can be constructed. Programs in Arabic, Spanish, and Portuguese will be inaugurated in the near future. Apparently Great Britain is preparing to take full advantage of the use of short-wave broadcasting as a powerful and effective instrument of propaganda. Up to this time, transmissions from Daventry have been in English exclusively. . . . Used as a fifth transmitter, during part of transmission four, GSP (15.31) is now carrying the Daventry programs daily from 1:35 p.m. EST (12:35 p.m. CST). . . . JZJ (11.8), Tokyo, may be heard Mondays from 8 to 9 a.m. EST (7 to 8 a.m. CST), without interference from COGF (11.805), the Cuban station, which badly heterodynes the Nipponese programs on other days of the week.

The present schedule of English broadcasts over the Soviet transmitters is as follows: over RNE (12.06), daily from 10 to 11 p.m. EST (9 to 10 p.m. CST); Sundays, Mondays and Fridays from 4 to 5 p.m. EST (3 to 4 p.m. CST); Sundays and Wednesdays from 6 to 7 a.m. EST (5 to 6 a.m. CST), and on Sundays from 10 to 11 a.m. EST (9 to 10 a.m. CST); over RAN (9.6) and RK1 (7.54), daily from 7 to 9:10 p.m. EST (6 to 8:10 p.m. CST). Reports to Soviet stations should never be addressed to individuals but to Radio Center, Moscow, U.S.S.R.

The Brazilian government is considering the construction of a 50,000-watt combined broadcast and short-wave transmitter for radiating coffee propaganda. The station would cost \$720,000. Two directional aerials, beamed on the United States and Europe respectively, would be employed by the station. . . . The radio technical division of the Technological Museum in Vienna, Austria, has put a new transmitter, with call OE1RV, into operation. This 500-watt station, which can operate on any wave-length between 10 and 95 meters, will not be used for ordinary broadcasting, but is intended as a research station. Occasionally it will, however, broadcast Vienna music to foreign countries and especially to parts of the world which very seldom hear Austrian programs.

On Thanksgiving Day, November 25, at 7:30 p.m. EST (6:30 p.m. CST), the Zeesen, Germany, stations will transmit a special Thanksgiving program for North America, consisting of a suitable selection of music and songs, and a commentary from the Thanksgiving dinner of the American colony in Berlin.

A letter of verification from JDY (9.925) of Darien, Kwantung, received by Billie Byrd, Jr., of Little Rock, Arkansas, states: "The JDY short-wave radio broadcasting station commenced its broadcast on July 16, in order to inform the whole world of the righteous standpoint of Japan and the progress of the China incident against the incorrect and malignant propaganda broadcast by China. We should be very pleased if you could kindly tell your friends of our broadcast, and we earnestly hope many people will understand the true situation of Japan." An enclosed photograph pictured the very modernistic building in which the transmitter was housed. Surrounding

the structure were wires carrying a charge of electricity. This 10,000-watt broadcaster gives music and the news in Japanese daily from 7 to 7:30 a.m. EST (6 to 6:30 a.m. CST); news in the Manchou language from 7:31 to 7:45 a.m. EST (6:31 to 6:45 a.m. CST), and news in English from 7:46 to 8 a.m. EST (6:46 to 7 a.m. CST).

ZIK2 (10.6), located in Belize, British Honduras, is now being heard regularly on Tuesdays, Thursdays and Saturdays, at 7:30 p.m. EST (6:30 p.m. CST), with very good signal strength.

According to the American Commercial Attache in Paris, a new station, known as Radio 37 (8.33), was inaugurated on September 8. Broadcasts take place week-days from 7 to 9 a.m., 1:45 to 7 p.m. and from 1:50 to 4 a.m. EST (6 to 8 a.m., 12:45 to 8 p.m. and from 12:50 to 3 a.m. CST), and on Sundays from 1:45 to 7 p.m. and from 2:30 to 9 a.m. EST (12:45 to 8 p.m. and from 1:30 to 8 a.m. CST). I would like to hear from any readers that have heard this station.

John DeMyer of Lansing, Mich., has just received word that FZE8 (17.28), Djibouti, French Somaliland, tests with music and voice, the first Thursday of each month from 7:45 to 8:15 a.m. EST (6:45 to 7:15 a.m. CST). This station is regarded as a difficult DX catch.

On Friday, November 26, at 11:30 a.m. EST (10:30 a.m. CST), the story of Southwark Cathedral, one of the oldest and most attractive churches in the British Empire, will be broadcast from Daventry. St. Mary Overie, the first church to occupy this spot, near London Bridge, in London, is believed to have been founded in 604 A.D. The first cathedral, a part of which is still incorporated in the present edifice, was erected by two Norman knights at the time of Norman the Conqueror. Following destruction of this structure by fire in the 13th century, the present cathedral was started and finally completed in the 18th century. At one time this magnificent church was sold by James I to a group of nineteen men, for about \$4,000.

At present there is only one broadcasting station in operation in Angola, Portuguese Africa. It is a 500-watt, privately owned station at Lobito, using the call CR6AA, and a frequency of 7.174 meg. Broadcasts are radiated on Wednesdays and Saturdays from 3:30 to 5:30 p.m. EST (2:30 to 4:30 p.m. CST).

Thorne Donnelly has been granted a license to operate WOGK, the transmitter aboard his yacht Mako, on the following frequencies: 13.245, 8.82, 6.66, 2.738, and 2.118 meg. Power of the station is 100 watts. . . . Speaking of yachts, how many have heard KFZT (2.178), located aboard Commander Eugene McDonald's yacht Mizpah? Although located in the Chicago yacht harbor, the Commander has to contact station WM1 (2.55) in Lorraine, Ohio, because of the absence of a coastal station in that city, and then have his call sent back to the Windy City via long-distance telephone, in order to talk to his friends who are only a short distance away across the water, as the crow flies.

The American Telephone and Telegraph Company has requested a permit to erect another 20,000-watt trans-Pacific short-wave telephone transmitter at Dixon, Calif., to operate on a frequency of 19.08 meg.

(Programs on next page)



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

**Monday, Nov. 22**

(Magazines or thousands of kilocycles shown)

CIRO, Canada	6.15	JYI, Japan	9.83
CJRX	11.78	JZJ	11.80
COBC, Cuba	9.81	JFK	12.16
COBE	8.09	KIO, Hawaii	11.44
COCC	9.12	KKH	7.52
COCC	9.01	KKP	16.00
COCC	9.75	Kilbournel	
CSW, Portugal	9.94	South Africa	8.88
DJN, Germany	13.29	LRU, Argentina	13.39
DJC	6.08	LRX	6.40
DJD	11.77	LSX	10.26
DJL	13.11	OLR3A, Czechoslovakia	8.55
EAF43, Caracas	14.37	OLR3A	11.14
EAS, Spain	9.49	OLR3A	15.23
EASAH, Spanish Morocco	14.05	ORR, Belgium	16.33
FNEK, S.S. Normandia	13.23, 13.29	OXY, Denmark	9.58
FOAAA, Tahiti	7.11	PCJ, Holland	15.32
GBA, England	8.05	PHI	17.75
GBR	9.51	PRADO, Canada	9.53
GSC	9.52	RFZ, Brazil	9.16
GSD	11.73	RAN, U.S.S.R.	8.40
GSP	15.14	RKI	7.14
GBG	17.78	RNT	18.00
GBH	21.67	RVL	6.25
GSI	15.96	RVL	6.00
GSL	21.62	SPD, Poland	11.53
GSP	6.11	SPW	15.64
GSO	13.12	TFZ, Iceland	18.83
GSP	19.21	TPAR, France	18.24
EAG3, Hungary	15.27	TPAR	11.24
HAT4	9.18	TPA4	11.71
HRH, Switzerland	16.45	VFSDM, Canada	8.005
HBT	14.53	VK3LR, Australia	9.59
HBL	9.24	VK3LR	9.55
HBO	11.40	VK3ME	9.51
HBP	7.20	VK3ME	9.94
HCORL, Ecuador	6.46	WIXAL, Boston, Mass.	13.23, 11.79 and 6.04
HZ88, Haiti	6.05	XTEA, Mexico, D.F.	6.12
HZABE, Colombia	8.1	XEXA	8.172
HZABF	9.918	XOOC, China	8.8
HZSA, Panama	11.7	YSD, El Salvador	7.294
HZJZ	9.40	YV5RC, Venezuela	5.20
HZFP, Guam	9.31, 10.08	ZRW3, China	8.523
HVJ, Yafese City	13.18	ZKQ3, Italy	6.538
JDY, Kwantung	9.88	ZKQ4	11.41
JYK, Japan	10.66	ZML, S.S. Kamohia	9.91

- 15:30 a.m.—Fiji hour: VFD2
- 88 a.m.—Siamese broadcast: HSBPJ (9.51)
- 88 a.m.—Oriental variety: ZBW3
- 11:20 a.m.—Adventures of Shorty and Conky: GSG GSD
- 14:50 p.m.—Science news: WIXAL (11.79)
- 15 p.m. (ex. Sat.)—News: W2XAF (9.53) W2XAD (15.33)
- 15:15 p.m.—Sports In America: W2XAF (9.53) W2XAD (15.33)
- 16 p.m.—Monitor news: WIXAL (11.79)
- 6:15 p.m.—American Travelog: W2XAF (9.53) W2XAD (15.33)
- 17 p.m.—Dinner music: WIXAL (6.04)
- 7:30 p.m.—Radio Course: WIXAL (6.04)
- 8 p.m.—Venezuelan music: YV5RC
- 9 p.m.—Mail bag: OLR3A
- 19:30 p.m.—Orquesta Cugat: YV5RC

**Tuesday, Nov. 23**

- 12:20 p.m.—"This is England," Donald James: GSG GSI
- 3:25 p.m.—Old Czech baroque masters: OLR3A
- 4:20 p.m.—"AS I SEE IT," Ian Hay: GSG GSO
- 5 p.m.—Songs of the Bavarian Homeland: DJB
- 6 p.m.—Light music: DJB DJC DJD
- 7 p.m.—BBC Empire orchestra: GSG GSD
- 7:30 p.m.—Splendors of Literature: WIXAL (6.04)
- 8 p.m.—Man About Town: WIXAL (17.78)
- 8:30 p.m.—Lily Buhler, songs: DJB DJC DJD
- 9:15 p.m.—Songs of Old London: GSG GSD
- 10 p.m.—George Steiner, violinist: DJB DJC DJD
- 11 p.m.—Program from Tahiti: FOAAA
- 11:30 p.m.—Salute to Latin America: WIXAL (6.06)
- 12:45 a.m.—Miss Kohana, songs: JZK

**Wednesday, Nov. 24**

- 11:20 a.m.—"MATTERS OF MOMENT," Dewan Bahadur Sir Ramaswami Mudaliar: GSG GSD
- 1:55 p.m.—Musical play, "A Wisp of Lace": GSG GSI
- 3:15 p.m.—Fred Hartley's sextet: GSG GSI
- 4:50 p.m.—BBC SYMPHONY ORCHESTRA; conducted by Sir Adrian Boult: GSG GSF
- 5:30 p.m.—Melodies from "Prince Carame": DJB
- 6:15 p.m.—Choral concert: ZRO3
- 6:30 p.m.—Rosita Jemma Wade: ZRO3
- 7 p.m.—Folk-songs: ZRO3
- 7:30 p.m.—Don Mariani, tangos: YV5RC
- 8 p.m.—Latin-American nights: WIXAL (17.78)
- 8:45 p.m.—For the Short-Wave Listener: WIXAL (6.04)
- 9:15 p.m.—Pajeks and Hungarian wine: DJB
- 10:30 p.m.—Eira and Elmer: GSG GSI

**Thursday, Nov. 25**

- 1:40 p.m.—From the London Theater: GSG GSI
- 2 p.m.—BBC Empire orchestra: GSG GSI
- 4:20 p.m.—Survey of the Roman Wall, Northumberland: GSG GSF
- 7 p.m.—Westward from Liverpool: GSG GSD
- 7:30 p.m.—"Textiles, a Heritage and a Promise," Prof. Edw. Schwag: WIXAL (6.04)
- 7:30 p.m.—THANKSGIVING DAY PROGRAM FOR U. S.: DJB DJC DJD
- 8 p.m.—"General Agricultural Policy": WIXAL (6.04)
- 8 p.m.—Scottish dance music: GSG GSD
- 8:30 p.m.—Waltz hour: YV5RC
- 9 p.m.—Musings of a Scientist: GSG GSD
- 9:45 p.m.—Frequent concert: DJB DJC DJD
- 10 p.m.—Canadian hour: HHTS
- 10:30 p.m.—Eira and Elmer: GSG GSD

**Friday, Nov. 26**

- 11:30 a.m.—FAMOUS LONDON BUILDINGS; a pageant of the history of the Church of St. Mary Overie, by London Bridge: GSG GSD
- 12:20 p.m.—Talk, "A Visit to Daventry": GSG
- 1:45 p.m.—Dave Frost's band: GSG GSI
- 2:30 p.m.—Five Hours Back: WIXAL (17.78) W2XAD (15.33)
- 3 p.m.—Kentucky Minstrels: GSG GSI
- 4:40 p.m.—Sportsman Talklog: GSG GSF
- 4:45 p.m.—Tokyo Mixed orchestra: JZJ JZK
- 5:30 p.m.—Talk, "Pathways to Peace": WIXAL (11.79)
- 6:15 p.m.—"Rome's Midnight Voice": ZRO3
- 6:45 p.m.—Request program: ZRO3
- 7:15 p.m.—Concert orchestra: YV5RC
- 7:30 p.m.—English program: HBL (9.34)
- 8 p.m.—Woman's Page: WIXAL (17.78)
- 11 p.m.—Program from Tahiti: FOAAA
- 12:15 a.m.—DX Club: W8XK (6.14)

**Saturday, Nov. 27**

- 8:45 a.m.—THE NOVEMBER HANDICAP; From Castle Irwell Racecourse, Manchester: GSG GSI
- 11:20 a.m.—Kentucky minstrels: GSG GSD
- 12:30 p.m.—Henry Hall's orchestra: GSG GSI
- 1:45 p.m.—Football game: WIXAL (11.79)
- 3 p.m.—Palace of Varieties: GSG GSI
- 3:25 p.m.—Variety program: OLR3A
- 4:40 p.m.—Musical play, "A Wisp of Lace": GSG
- 5 p.m.—Opera music: DJB DJC DJD
- 5:30 p.m.—League of Nations: HBL HBP
- 6 p.m.—Program from Budapest: HAT4
- 8 p.m.—Cocktail music: WIXAL (17.78)
- 8:30 p.m.—Continental: YV5RC
- 9 p.m.—In Town Tonight: GSG GSD
- 9:15 p.m.—Club of Nations: DJB DJC DJD
- 9:30 p.m.—Van Stratten's band: GSG GSD
- 12 mid.—Northern Messenger; messages to those in the Arctic: VERDN CRX

Short-wave programs of American stations are shown along with the regular listings beginning on page 39. Those are indicated, for example, by (ex-11.57) in parentheses following a program listing. This means that on 11.57 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.

**Time Given is EST  
Subtract One Hour for CST**

**News Broadcasts**

- Daily—12:30 a.m., JZK; 4:25, GSB, GSD, GSG, GSO; 7:30, XGON; 7:45, JDY; 8:30, GSG, GSH, GSO; 8:55, JZJ; 11, GSD, GSF, GSH, GSI; 1 p.m., GSB, GSD, GSG, GSI; 3, OLR3A; 3:10, TPA3; 4, GSR, GSF, GSO GSP; 4:45, EA9AH; 6:30, EAR, HPSA; 7, EASAH, RAN, RKI; 7:15, CSW; 7:30, EA443; 7:40, GSB, GSD, GSP; 8:15, EA443, DJB, DJD; 10:10, GSB, GSC, GSD; 10:30, DJB, DJD; 10:45, CJHO, CJRX; 11:30, TPA4.
- Daily except Sundays—6 a.m., VK3LR; 7:30, VK3LR; 6 p.m., ZDQ4.
- Sun., Mon., Wed., Fri.—4 p.m., HSE.
- Mos. & Thurs.—3:30 p.m., OLR3A.

**Sunday, Nov. 21**

- \*7 a.m.—Program from Darwin, Kwantung: JDY
- \*8 a.m.—International church: COCC
- \*8 a.m.—Variety program: DJL
- \*8 a.m.—Overseas hour for Australia: JZJ
- 9:15 a.m.—Scottish Golfers: GSG GSI
- 9:20 a.m.—Talk by Led Frim on the World Chess Championship between Dr. Max Euwe and Dr. Aljechiro: PHH
- 10 a.m.—BBC orchestra: GSG GSI
- 1:30 p.m.—Cultural activities: WIXAL (17.78)
- 1:30 p.m.—Sunday orchestral concert: GSG GSI
- 1:40 p.m.—Ireland hour: TPJ
- \*2 p.m.—Danish program: OZF (9.52)
- 2:55 p.m.—Episcopalian services: GSG GSI
- 3:25 p.m.—Popular concert: OLR3A
- 4 p.m.—Chapel Organ: W2XAF (9.53) W2XAD (15.33)
- 4:20 p.m.—SCENES FROM "THE MERCHANT OF VENICE," Shakespeare: GSG GSI
- 4:30 p.m.—Overseas hour (East): JZJ JZK
- 4:45 p.m.—"RECENT JAPAN AND AMERICA," Prof. Kenzo Takayanagi: JZJ JZK
- \*4:55 p.m.—Greetings to listeners: DJB DJC DJD
- 5 p.m.—Leslie Jeffries and orchestra: GSF GSO
- 5 p.m.—German fairy tales: DJB DJC DJD
- 5:30 p.m.—"In the College President's Study": WIXAL (11.79)
- \*6 p.m.—American program from Poland: SPW SPD
- \*6 p.m.—"The World's Week," Valney Hurd, WIXAL (11.79)
- 6:30 p.m.—Congregational services: GSG GSD
- 7 p.m.—Chimes and church services: WIXAL (6.04)
- \*7 p.m.—Program from Moscow: RAN RKI
- 8 p.m.—Happy program: PCJ (9.59)
- 8:30 p.m.—Organ music: DJB DJC DJD
- \*9 p.m.—Cararo's tango band: LRX
- \*9 p.m.—El Salvadorian program: YSD
- 9:15 p.m.—Orchestral concert: DJB DJC DJD
- \*11 p.m.—English programs: XENA COBC
- \*11:45 p.m. (ex. Sat.)—Program from South Africa: Kilbournel (9.61)
- \*12:30 a.m.—Dance music: HPSA
- 12:30 a.m.—Overseas hour (Pacific coast): JZK
- \*1 a.m.—English DX programs: XEUX
- \*3 a.m.—English programs from Siberia: RV15

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



# SHORT WAVES

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

(Figures in Parentheses Are Megacycles)

THE Federal Communications Commission has just provided allocations of frequencies to various classes of service in the newly developed portion of the radio spectrum from 25 to 300 megs. From the standpoint of space in the so-called radio ether, there now comes under regulation ten times the "ether space" that has ever before been attempted in this country.

Seven channels between 44 and 108 megs and twelve channels between 156 and 300 megs are made available for the assignment of television stations. Each visual broadcaster must have a frequency channel 6 megs (6,000 kilocycles) in width. The ordinary short-wave broadcast station requires a channel 10 kilocycles in width.

Seventy-five channels between 41.02 and 43.98 megs are made available for assignment to short-wave broadcast stations, while twenty-nine channels between 30 and 40 megs have been allotted for police use. Other services that have been assigned definite channels in this new section of the ether are aviation, relay broadcast stations, fixed service, experimental service, mobile press service, geophysical and motion-picture services, coastal and ship-harbor, special-emergency, marine-fire, and special services.

While the effect of these new allocations will not be immediately apparent to the general public, the importance of this action is the profound influence it will have upon the development of the radio industry, because in a manner it sets up guiding posts for every phase of the industry, including research, design, manufacture and practical operation. This is one of the most important basic actions taken in recent

years in the development of radio, and there has now been laid the cornerstone of a vast new development of radio in its application to the service of the public.

T. Strzetecki informs me that the Polish authorities are very anxious to get reports of reception on the new programs to North America which are being radiated over Warsaw Stations SPW (13.635) and SPD (11.535) weekdays from 6 to 7 p.m. EST (5 to 6 p.m. CST) and on Sundays from 5 to 5 p.m. EST (5 to 7 p.m. CST). New verification cards, artistically designed, will be forwarded in reply to every report sent to Polskie Radio, 5 Mazowiecka Street, Warsaw, Poland.

The new 25,000-watt transmitter of Short-Wave Station COCQ (9.75), Havana, Cuba, will be inaugurated in a few days. Initial tests heard on Sunday morning, November 14, indicate that this station will be one of the loudest on the short-wave channels. It is hoped that the programs will be more of a high-class and varied nature than those that were radiated from the old station. . . . COCO (6.01) is now using an increased power of 2,500 watts. . . . COBC, "El Progreso Cubano," is now operating very close to its assigned frequency of 9.363 megs. . . . The new Cuban list reports Station COCA (9.7), of Galiado No. 102, Havana, is now on the air, although thus far I have had no report of it being heard.

According to James Moore of San Francisco, Calif., Short-Wave Station KZRM (9.57) is being heard on Saturdays, often until 9 and 10 a.m. EST (8 and 9 a.m. CST), with a program which is entitled "The Rounds of Manila Night Clubs." The station usually signs off with the selection "The Organ Grinder's Swing," played by Johnny Jones and his orchestra.

The Westinghouse Electric and Manufacturing Company is now making important changes at the W8XK transmitters at Saxonburg, Penn. The improvements which are being made include the construction of two new directional rhombic antennas, one to South America, beamed on Buenos Aires, and one to Europe, beamed on London. These new serials will increase the power many times and will greatly improve reception in South America and Europe. Later it is intended to erect a directional antenna and to increase the power of the transmitter of W1XK at Millis, Mass.

John DeMyer of Lansing, Mich., suggests that listeners be on the lookout for South African amateurs on the 20-meter band between the hours of 11 p.m. and 12 mid. EST (10 and 11 p.m. CST). At 11:50 p.m. EST (10:50 p.m. CST) he was fortunate enough to hear FB8AB (14.28), located on the island of Madagascar.

Broadcasts from a radio station on horseback in the wilderness of the Amazonian jungle may be heard by any short-wave listeners in the United States fortunate enough to pick-up VP3THE, the transmitter of the Terry-Holden Expedition, which is expected to start test contacts with the NBC in the near future. Two listeners have already reported reception of VP3THE on frequencies of 13.8 and 13.9 megs, respectively, when the station was in communication with VP3BG (14.12), of Georgetown, British Guiana. Orison W. Hungerford, the radio engineer of the expedition, is guiding the party through the jungle regions by means of triangulated radio bearings. On one of the early broadcasts from British

Guiana, which the NBC expects to pick-up for its network listeners, John Melville, half-Scottish and half-Indian, who is chief of the Wapishanni tribe, will be the featured actor.

Eugene Darlington, Director of Short-Wave Broadcasting for the General Electric Company at Schenectady, N. Y., advises that his amateur station, W2ALP (26.54 and 29), is on the air Saturdays from 1 to 3 p.m. EST (12 noon to 2 p.m. CST), in communication with either G5AU in London, or W6OSH in Hollywood, Calif., and anyone hearing these transmissions is invited to send reports to him at the above address.

Champion tuner of the ultrahigh-frequencies, Clyde Criswell of Phoenix, Ariz., who has received the sound-transmissions accompanying the television programs radiated from Alexandra Palace, in London, every day except three since October 19, now adds further laurels to his remarkable record by logging the sound-channel (42 megs) accompanying the television programs from the Eiffel Tower, in Paris, France. Mr. Criswell has also received a letter to the effect that he is the first listener to report reception of General Electric's new 41-meg transmitter, W2XOY.

The first in an interesting new series of programs dealing with music in African life, which will take up the earliest known African music, will be radiated over Daventry, on Friday, December 2, at 1:40 p.m. EST (12:40 p.m. CST). Subsequent talks in this series will discuss "Witch Doctors and Music, Natural Jazz from Africa and The Keyboard Music of the Bantu." It is hoped that Professor Kirby, who is the speaker on these programs, will be able to illustrate the comments with his recordings of native African music.

Reuben Sokolowsky of 4, Nachlat-Benjamin Street, Tel-Aviv, Palestine, has informed Harold Schrock of Bloomington, Ill., that he will soon put the first short-wave transmitter in that country on the air, under the call-letters ZC6AB.

A powerful new short-wave station which will be completed early in 1938 is now under construction at Singapore. A new 60,000-watt commercial short-wave telephone station for direct communications between Malaya and Great Britain is also to be built soon in the same city. . . . The Greek Government has been erecting short-wave telephone stations at Mytilene, Chios and Crete, for communication with coastal shipping and Athens, Greece. The Mytilene-Athens circuit is already in operation.

A letter from R. B. Oaxieder of State College, Penn., states that HD, "Radio Opinion," Trujillo, Dominican Republic, is at present broadcasting on a frequency of 9.29 megs. . . . XEWW of Mexico City, D. F., has also shifted slightly in frequency to 9.5 megs, where it is very effectively blotting out transmissions from popular Colombian Broadcaster HJ1ABE.

The American Consulate in Saigon, French Indo-China, reports that the four broadcasting stations in that country are as follows: Etablissements Boy-Landry, 213 Rue Catinal, Saigon, which operates on 11.7 megs, with 200 watts power, and on 6.03 megs, with 150 watts power (it is believed the latter frequency has been changed to 6.22 megs); Electric Entreprises, 98 Rue d'Espagne, Saigon, owned by Michael Robert, operates on 5.825 megs, with 10 watts power; Radio Club de l'Indochine, Hanoi, Tonkin, operates on 14.558 megs, with 15 watts power, and on 7.445 megs, with 100 watts power; Radio Club de l'Indochine, Haiphong, Tonkin, operates on 4.615 megs, with 15 watts power. Stations in French Indo-China do not use call-letters.

(Programs are on Page 47)

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Radio Guide, 731 Plymouth Court, Chicago, Illinois







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

CJRO, Canada	6.18	JVI, Japan	9.538
CJRX	11.79	JZJ	11.80
COBC, Cuba	2.41	JZK	15.18
COBZ	9.05	KIO, Hawaii	11.88
COCD	6.13	RKH	7.52
COCH	9.43	RKP	18.03
COCO	6.01	Riphestral	
COCC	7.75	South Africa	9.68
CSW, Portugal	9.94	LRU, Argentina	15.79
DJB, Germany	18.20	LRX	9.60
DJC	3.08	LSX	18.25
DJO	11.77	OLR3A, Carob-	
DJL	12.11	slavakia	9.55
EJ42, Canarias	10.27	OLR4A	11.24
EAB, Spain	9.49	OLR5A	15.99
EABAC, Spanish		ORR, Belgium	15.22
Marocco	14.05	OZF, Denmark	9.49
FNSK, S.S. Nor-		P, J. Holland	9.49
mandia, S. 183	15.978	PKI	17.775
FOAAA, Tahiti	7.11	PRAD, Kouadar	8.22
OSA, England	8.00	PRF, Brazil	9.40
OSB	2.01	PSN	10.82
OSC	9.54	RAN, U.S.S.R.	9.60
OSD	11.75	RNI	7.54
OSE	15.15	RNE	19.00
OSG	17.79	RV16	6.273
OSH	91.47	BV39	9.60
OSI	13.25	RFB, Poland	11.81
OSJ	91.25	SPW	18.04
OSL	4.11	TFJ, Iceland	18.23
OSO	13.18	TPAS, France	18.25
OSP	15.31	TPA3	11.00
HAB3, Hungary	14.27	TPA5	11.71
HAT4	9.12	YEDN, Canada	8.005
HBY, Switzerland	14.40	VKME, Australia	9.59
HBJ	14.238	VKLE	9.48
HBL	9.34	VKME	9.41
HBO	11.408	VPOS, Fiji	9.24
HBP	7.00	WIXAL, Boston, Mass.	
HCHL, Ecuador	3.00	18.26, 11.79 and 8.04	
HCHS, Haiti	8.988	XEVE, Mexico, S.F.	8.14
HJ1ABE, Colombia	9.8	XEXA	6.179
HJ1ABP	9.918	XOOC, China	9.4
HJ5A, Panama	11.7	YSD, El Salvador	7.994
HP4J	9.00	YVBC, Venezuela	8.40
HRAJ, Siam	9.51	ZBWS, China	8.228
HVJ, Yasthon City	11.12	ZRO3, Italy	9.528
JBY, Kwantung	9.945	ZRO4	11.81
JY, Japan	18.00	ZMI, S.S. Kwantung	9.01

Short-wave programs of American stations are shown along with the regular listings beginning on page 87. 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.

**News Broadcasts**

Daily—12:30 a.m., JZJ; 4:35, GSB, GSD, GSG, GSO; 7:30, XGOX; 7:45, JDY; 8:30, GSG, GSH, GSO; 8:35, JZJ; 11, GSD, GSF, GSG, GSH; 11:10, ZRO3; 1 p.m., GSB, GSD, GSG, GSI; 2:40, ZRO3; 3, OLR4A; 3:10, TPA3; 4, GSG, GSD, GSO; 4:45, EA9AH; 6:30, EAR, HP5A; 7, EA9AH, HP5J, RAN, RKI, 7:15, CSW; 7:30, EAJ43; 7:35, ZRO3; 7:40, GSB, GSC, GSD; 8:15, EAJ43, DJB, DJD; 10:10, GSB, GSC, GSD; 10:30, DJB, DJD; 10:45, CJRO, CJRX; 11:30, TPA4.  
Daily except Sundays—6 a.m., VK3MF; 7:30, VK3LR.  
Sun., Mon., Wed., Fri.—4 p.m., RNE.  
Mon. & Thurs.—10:30 p.m., OLR3A.

**Sunday, December 19**

7 a.m.—Program from S. S. Kaininba: 9MI  
\*7 a.m.—Program from Darlen, Kwantung: JDY  
\*8 a.m.—International church: COCQ  
\*8 a.m.—Variety program: DJL  
\*8 a.m.—Overseas hour for Australia: JZJ  
8:45 a.m.—50th anniversary "Concertgebouw": PHH  
10 a.m.—Music for Children: GSF GSI  
1:30 p.m.—Victorian melodies: GSG GSI  
1:30 p.m.—Cultural activities: W3AL (17.78)  
1:40 p.m.—Iceland Hour: TFJ  
\*2 p.m.—Danish program: OZF  
2:55 p.m.—Scottish services: GSG GSI GSP  
3 p.m.—New York Philharmonic Symphony Society orchestra: W1XAL (11.79)  
4 p.m.—Chapel organ: W2XAF (9.53) W2XAD (15.33)  
\*4:30 p.m.—Overseas hour (East Coast): JZJ JZJ  
4:35 p.m.—Orchestra Raymond: GSO GSD  
\*4:55 p.m.—Greetings to listeners: DJB DJC DJD  
5:30 p.m.—Dance orchestra: YV5RC  
\*6 p.m.—American hour: SPW SPD  
6:05 p.m.—Groske trio: GSC GSD  
6:30 p.m.—Catholic services: GSC GSD  
7 p.m.—Chimes and church services: W1XAL (6.04)  
\*7 p.m.—Brazil on the Air: PSII (10.22)  
7 p.m.—Happy program: PCJ (9.59)  
\*7 p.m.—Program from Moscow: RAN RKI  
7:05 p.m.—John Dickenson Band: GSC GSD  
7:30 p.m.—Broadcast from Northwest River, Labrador, featuring talent by Fur Trappers, Eskimos, and Vesper Service from Grenfell Mission: VO6D (14.28)  
7:30 p.m.—Old German shepherd songs: DJB DJC DJD  
7:45 p.m.—Selections from operettas: ZRO3  
8 p.m.—Special broadcast for Long Island: DJB DJC DJD  
8 p.m.—La Orquesta Cugat: YV5RC  
8 p.m.—Complete opera: COCI  
8 p.m.—Band concert: COCO  
8:15 p.m.—Light music: ZRO3  
8:30 p.m.—Emmy Braun, piano: DJB DJC DJD  
\*9 p.m.—Carara's tango band: LRX  
\*9 p.m.—El Salvadorian program: YSD

**SHORT WAVES**

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

THIS Christmas promises to bring more Yuletide programs than ever before. As more and more people are getting all-wave receivers, they will be able to get the Christmas "Spirit" in the line of programs, not only from our own country but from many different foreign countries as well. This year there will be broadcasts from the Arctic to the dark, unexplored Amazon jungles, Italy, England and Germany, to mention a few. In the following paragraphs the time, stations and programs will be listed in detail.

H. G. Wells, one of the most famous and most widely read of contemporary writers, will be heard talking on a subject of his own choosing in a program from Daventry, on Tuesday, December 21, at 4:20 p.m. EST, and on Friday, December 24, at 7:20 p.m. EST. . . . Towards Christmas every year Phil Tanner, a seventy-five-year-old folk-song singer from Llangennith, in the Gower Peninsula, South Wales, gathers his friends around him in one of the little Gower Inns and challenges them to a singing contest in which quantity is more important than quality. This unusual program, entitled "Gower Reel," will be heard on Tuesday, December 21, at 6:20 p.m. EST.

In the broadcast "Welcome Yule," listeners will be able to join the cheery and traditional ceremonies enacted at Highwood Hall on Christmas Eve in 1837. After a dinner that includes a baron of beef, a haunch of venison, and a suckling pig, Squire Allworthy and his guests will return to the great hall, where everything is in readiness for the occasion. There will follow songs, dances and carols of the period; there will be ringing of handbells; the villagers will bring in a Yule log; the warts will be invited in to sing an old-fashioned Wassailing song, and one of the party will tell a ghost story. Listen in on Wednesday, December 22, at 10:15 a.m. EST, or on Christmas Day at 7 p.m. EST.

Jack Payne will throw a party on Thursday, December 23, at 3 p.m. and at 6:40 p.m. EST, which will enable Daventry listeners to join in the fun. Artists of international repute, representative of almost every form of entertainment, will be among the guests. . . . One of the most beautiful services broadcast by the BBC in the course of the year is the traditional Festival of Nine Lessons and Carols, held in King's College Chapel, Cambridge, on Christmas Eve. The Carols, sung by the celebrated King's College Choir, will be heard on December 24, at 10:25 a.m. or at 8 p.m. EST. . . . That grand old fairy story of the Arabian Nights, "The Magic Lamp of Aladdin," will be the featured Christmas pantomime to be portrayed on the Daventry program Christmas Day at 11 a.m. EST.

Daventry's annual Christmas Party, the most informal and spontaneous of the year's variety broadcasts, will be heard on Christmas Day at 2 p.m. EST. Billy Bennett, the Two Leslies, Tommy Handley, Bertha Willmott, Stainless Stephen, Al and Bob Harvey, and Elsie and Doris Waters are among those who are expected to "drop in."

On Friday, December 24, at 9:30 p.m. EST, listeners will be privileged to hear the famous "Christmas Oratorio" of Johann Sebastian Bach, which will be broadcast from the Kaiser Wilhelm Church in Berlin. . . . Engelbert Humperdinck's fairy opera, "Hansel and Gretel," a Christmastide opera for young and old, will be broadcast on Christmas Day at 9:15 p.m. EST.

Franz Lehár's new opera, "Taliana," will be broadcast for the first time, from the RAVAG studios in Vienna,

Austria, on Sunday, December 19, from 1:40 to 4 p.m. EST, over OER2 (11.778).

ZRO3 (9.835) at Rome, Italy, promises an interesting broadcast entitled "Christmas 1937," on Saturday, December 25, at 7:45 p.m. EST.

Christmas Day will bring an exclusive NBC broadcast from Vatican City, featuring the Sistine Chapel Choir, the symphony orchestra with Don Lorenzo Perosi conducting, and Beniamino Gigli, tenor, as soloist. Tune in direct to HVJ (15.12), at 1 p.m. EST.

A special Christmas program consisting of greetings and carols sung by students of the Bunka Gakuin especially for North American listeners, will be transmitted over JZJ (11.8), of Tokyo, Japan, early Christmas morning at 12:45 a.m. EST.

Separated by more than 5,000 miles, the Holden Expedition, digging deeper and deeper into the unexplored Amazonian jungles, and the MacGregor Arctic Expedition, wintering just 600 miles from the North Pole, at Etah, Greenland, will exchange greetings on Christmas Eve at 10 p.m. EST over the NBC-Blue network. Tune in direct by dialing W10XAB (12.862), and VP3THE (13.74).

For the second year, the highlight of the Christmas Eve programs of Station WIXAL (6.04), Boston, Mass., will be the broadcast of the traditional carol singing on Boston's Beacon Hill to listeners all over the world. A description of the color and excitement of Christmas Eve on the Hill and the joyous Christmas music of the roving groups of singers and bell-ringers, picked up by microphones as they stand outside candle-lit doorways of charming old houses, will be a feature of the festive program.

A broadcast of the twilight Vespers Service at the Grenfell Mission, with Eskimos and fur-trappers as the chief participants, will feature the International DX-ers Alliance's transmission from Northwest River, Labrador, over VO6D (14.28), on Sunday, December 19, at 7:30 p.m. EST.

Television marches on! The first television motion-picture house in the world is now under construction in Leicester Square, London. When the new building is opened, towards the end of the year, spectators will see on the screen all the principal events which take place in the world at large and which will be transmitted by television.

First test transmissions are now being conducted over the new French short-wave transmitter, located at Saint Remy l'Honore—les Essarts le Roi, near Paris. According to the Consulate General for France in Montreal. This station, when completed, will be able to operate on 16 different frequencies between 21.48 and 6.04 megs inclusive. The calls will be TPB1 to TPB16 respectively. A telegram from J. E. Peters of the International General Electric Company at Schenectady, N. Y., announces that "Essarts" broadcast test transmissions on 9.55 megs Wednesday, December 1, at 8:30 p.m.; on 6.04 megs Friday, December 3, at 6:15 p.m., and on 11.845 megs at 7:30 p.m. EST. The transmission on a frequency of 6.04 megs was picked up at the Radio Guyon Listening Post, with rather weak signals.

In connection with the construction of the giant new short-wave transmitting center at Prato Smeraldo, near Rome, Italy, tests are now being conducted over a 2,000-watt experimental station, on 15.17 and 15.3 megs, using calls ZRO5 and ZRO6, respectively.

SUNDAY, December 19 (continued)  
9:15 p.m.—Greetings to Cleveland's Swabian Singing Society: DJB DJC DJD  
10:10 p.m.—Scottish services: GSC GSD  
\*11:45 p.m. (ex. Sat.)—Program from South Africa: Kijibetvel (9.61)  
12 mid.—One hour with the Bible: COCQ  
\*12:30 a.m.—Dance music: HP5A  
\*12:30 a.m.—Overseas hour (Pacific Coast): JZJ  
12:45 a.m.—A visit to Kyoto: JZJ  
\*1 a.m.—English DX program: XEUZ  
\*3 a.m.—English programs from Siberia: RY15

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

**Monday, December 20**

4:25 a.m.—Haunting harmonies: GSO GSB  
4:55 a.m.—In Town Tonight: GSO GSB  
5:30 a.m.—Fiji hour: VPH?  
8 a.m.—Swedish broadcast: H8PJ (9.51)  
8 a.m.—Oriental variety: ZBW3  
8:40 a.m.—The Casells: PHI  
9:45 a.m.—Natural Jazz from Africa: GSF GSD  
2 p.m.—Status of the laborer world: GSF GSI  
2:45 p.m.—Tale of Mr. Augustus Plum and Family: GSP GSI  
4 p.m.—Anniversary Broadcast for International Short Wave Club: W2XAF (9.53) W2XAD (15.33)  
4:30 p.m.—Dave Frost's band: GSO GSD  
4:45 p.m.—Current topics: JZJ JZJ  
4:45 p.m.—English hour from Brazil: PRF5  
4:50 a.m.—Science news: WIXAL (11.79)  
5 p.m. (ex. Sat.)—News: W2XAF (9.53) W2XAD (15.33)  
5:15 p.m.—Sports in America: W2XAF (9.53) W2XAD (15.33)  
5:30 p.m.—Headlines and Bylines: W2NE (11.83)  
6 p.m.—Monitor news: WIXAL (11.79)  
6:15 p.m.—American Traveling: W2XAF (9.53) W2XAD (15.33)  
6:20 p.m.—Selections from Handel's "The Messiah": GSC GSD  
6:45 p.m.—Entertainment and music: DJB DJC DJD  
7 p.m.—Dinner music: WIXAL (6.04)  
7:30 p.m.—Course in Modern Radio: WIXAL (6.04)  
7:45 p.m.—Review of songs: ZRO3  
8 p.m.—Italian prose and poetry: ZRO3  
8 p.m.—Tape music: YV5RC  
8 p.m.—Variety: GSC GSD  
9 p.m.—Mail bag: OLR3A  
9:10 p.m.—Scrapbook for 1913: GSC GSD  
9:15 p.m.—Program of the Pan American Union: YV5RC  
9:30 p.m.—Time-filling trivialities: DJB DJC DJD  
10:30 p.m.—Brave New World: W2NE (15.27)  
10:30 p.m.—London preparing for the holiday season: GSC GSD  
12:45 a.m.—Recent International Relations and Japan: JZJ

**Tuesday, December 21**

7:15 a.m.—Drama, "Oliver Twist," Charles Dickens: GSI GSI  
9 a.m.—Phoeb Variety Ensemble: PHH  
9:15 a.m.—London Streets at Christmas Time: GSF GSI  
11:20 a.m.—Keyboard Music through the Ages: GSF GSD  
11:45 a.m.—World Affairs: GSF GSD  
12:20 p.m.—This is England: GSG GSI  
1:25 p.m.—BBC Military band: GSP GSI  
4:20 p.m.—As I See It, H. G. Wells: GSO GSD GSB  
5 p.m.—Alemannic peasantry: DJB DJC DJD  
5:35 p.m.—Vaucel Ludbrooke orchestra: GSO GSB  
6:20 p.m.—"Gower Reel": GSC GSD  
6:55 p.m.—BBC Empire orchestra: GSC GSD  
7:30 p.m.—Sylceodots of Literature: WIXAL (6.04)  
7:45 p.m.—"Around Italy with Music": ZRO3  
8 p.m.—Van About-Town: W3XAL (17.78)  
8:15 p.m.—Tuesday Symphonies: ZRO3  
8:45 p.m.—Talk, "The Art of Casting Bells": DJB DJC DJD  
9:15 p.m.—Hans Hermann Nissen, baritone: DJB DJC DJD  
10 p.m.—Waltzes and marches: DJB DJC DJD  
11 p.m.—Program from Halden Expedition Base-Camp in British Guiana: VP3THE (13.74)  
11 p.m.—Program from Tahiti: FOAAA  
11:30 p.m.—Salute to Latin America: W3XAL (6.06)

**Wednesday, December 22**

10:15 a.m.—"Welcome Yule," Christmas Eve 1937, at Highwood Hall: GSF GSI  
1:20 p.m.—"Gower Reel": GSC GSI  
1:40 p.m.—"From the London Theater": GSG GSI  
2 p.m.—Billy Cotton's band: GSP GSI  
2:45 p.m.—Music of the Beatles: GSP GSI  
4:45 p.m.—The Situation on the China Border: JZJ JZJ  
5 p.m.—"The Four Seasons," Haydn: DJB DJC DJD  
5 p.m.—Folly and Mistake: GSO GSB  
5:40 p.m.—Oscar Rubin's orchestra: GSO GSB  
6:20 p.m.—H. M. Central Royal Air Force band: GSI GSD  
6:45 p.m.—German Christmas Carols: DJB DJC DJD  
7 p.m.—Budapest program: HAT4  
(Continued on Next Page)

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



- 7 p.m.—Empire exchange talks: GSC GSD  
 7:30 p.m.—"Mysteries of the Winter Heavens,"  
 Dr. Loening Andrews: WIXAL (16.04)  
 7:30 p.m.—Play, "Godchild of the Sun": DJB DJC  
 DJD  
 7:45 p.m.—Opera: ZRO3  
 8 p.m.—An American Visits a Training Camp:  
 DJB DJC DJD  
 8 p.m.—Luis Alvarez, songs: YV5RC  
 8 p.m.—Latin American night: W3XAL (17.78)  
 8 p.m.—Happy program: HCJ (19.59)  
 8:15 p.m.—Rosita Jenisse Wade: ZRO3  
 8:30 p.m.—Concert of light music: ZRO3  
 8:45 p.m.—For the Short-Wave Listener: WIXAL  
 (16.04)  
 9:15 p.m.—Fairly Play, "The King has a Good  
 Day": DJB DJC DJD  
 9:15 p.m.—BBC Empire orchestra: GSC GSD  
 10:15 p.m.—Welcome Yule: GSC GSD

## Thursday, December 23

- 8 a.m.—Naganta ballads: JZJ  
 9 a.m.—Branis Hersonik, cello: PHI  
 10 a.m.—H. M. Royal Marines band: GSF GSD  
 11:20 a.m.—"As I See It," H. G. Wells: GSF GSD  
 12:20 p.m.—Al Collins' orchestra: GSI GSG  
 3 p.m.—Jack Payne's Party: GSP GSI  
 4:35 p.m.—"Welcome Yule": GSO GSH  
 6 p.m.—Brass band: DJB DJC DJD  
 6:20 p.m.—Week's news: GSC GSD  
 7:15 p.m.—Marblanca: YV5RC  
 7:30 p.m.—Bounding ball of joy: DJB DJC DJD  
 7:45 p.m.—Oreen recital: ZRO3  
 8 p.m.—Comedy, "The Wee Molley Cow": GSC  
 GSD  
 8 p.m.—Problems in Economics: WIXAL (16.04)  
 8:15 p.m.—"Youth in Italy," John Pichere:  
 ZHU3  
 8:30 p.m.—Students chorus: ZRO3  
 9 p.m.—Spanish popular music: PRA10  
 9:30 p.m.—BBC Empire orchestra: GSC GSD  
 10 p.m.—Canadian hour: MH2S  
 10:30 p.m.—Gresham Parkington Trio: GSC GSD  
 12:45 a.m.—Talk, "Discipline in the Japanese  
 Army": JZJ

## Friday, December 24

- 10:25 a.m.—Festival of Nine Lessons and Carols,  
 in King's College Chapel, Cambridge: GSF  
 GSI  
 11:20 a.m.—Drama, "Oliver Twist," Dickens:  
 GSF GSD  
 2:30 p.m.—Five Hours Back: W3XAL (17.78)  
 W2XAD (15.33)  
 3 p.m.—Carol service: GSP GSI  
 4:20 p.m.—F. H. Grisewood takes his daughter  
 and you back to a pre War dance: GSO GSD  
 4:45 p.m.—The China Incident: JZJ JZL  
 5 a.m.—Services from St. Stephen's Cathedral,  
 Vienna, Austria: NH' 2nd  
 5:15 p.m.—Chris-see chats: DJB DJC DJD  
 6 p.m.—Peeping through the keyhole: DJB DJC  
 DJD  
 7 p.m.—I Remember: GSC GSD  
 7:15 p.m.—Concert orchestra: YV5RC  
 7:30 p.m.—English program from Switzerland,  
 HBL (19.345)  
 7:45 p.m.—Talk, "Pathways to Peace": WIXAL  
 (16.04)  
 8 p.m.—Christmas Eve on Beacon Hill: WIXAL  
 (16.04)  
 8 p.m.—"Christmas Eve," Amy Bernardys: ZRO3  
 8:15 p.m.—Christmas Party: ZRO3  
 9 p.m.—Program for Latin America: WIXAL  
 (17.79)  
 9:15 p.m.—Christmas Greetings to Astoria: DJB  
 DJC DJD  
 9:30 p.m.—Drama, "Oliver Twist," Charles Dick-  
 ens: GSC GSD  
 10 p.m.—Greetings between expeditions in Green-  
 land and British Guiana: VP3TBE (13.74)  
 W10XAB (12.8625)  
 10:30 p.m.—Carol service: GSC GSD  
 11 p.m.—Program from Tahiti: FO8AA  
 12:15 a.m.—DX Club: W3XAL (16.14)  
 12:45 a.m.—Special Christmas program: JZJ

## Saturday, December 25

- 6 a.m.—Christmas Morning Service from Bristol  
 Cathedral: GSG GSI  
 8:30 a.m.—Chimes: PHI  
 9:15 a.m.—Carol Service: GSF GSI  
 9:50 a.m.—Meeting of the Phihi Club: PHI  
 11 a.m.—"The Lamp of Aladdin": GSF GSD  
 1 p.m.—Special feature from Vatican City: RVJ  
 (15.12)  
 1 p.m.—Christmas Evening Service: GSG GSI  
 2 p.m.—Radio Christmas Party: GSP GSI  
 4:25 p.m.—I Remember: GSO GSD  
 5 p.m.—Tourist hour: HP5A  
 6 p.m.—Otto Dobrindt's orchestra: DJB DJC DJD  
 6 p.m.—Christmas program: HAT4  
 6:45 p.m.—Christmas program, HBL HBP  
 7 p.m.—Holiday organ music: DJB DJC DJD  
 7 p.m.—Welcome Yule: GSC GSD  
 7:15 p.m.—Conchita Alvarez, singer: YV5RC  
 7:30 p.m.—Christmas Bells: DJB DJC DJD  
 7:45 p.m.—Christmas, 1937: ZRO3  
 7:55 p.m.—How Sweet Home: GSC GSD  
 8 p.m.—Old Christmas Carols: DJB DJC DJD  
 8 p.m.—Cocktail music: W3XAL (17.78)  
 8 p.m.—Cuban music: LRX  
 8:30 p.m.—Continental: YV5RC  
 9:15 p.m.—Opera, "Hansel and Gretel," Humper-  
 dinck: DJB DJC DJD  
 10:30 p.m.—At the close of Christmas Day: DJB  
 DJC DJD  
 10:40 p.m.—Maurice Vindow, organ: GSC GSD  
 12 mid.—Northern Messenger: messages to those  
 in the Arctic: VE9DN CROX