

"Popular Wireless"

2^D

**RADIO
ATLAS**

and

**WAVELENGTH
GUIDE**

THE "CONCERTS" OF EUROPE

NOTE.—The wavelengths given below are the new ones allotted by the recent Lucerne Wavelength Conference, but experimental changes may be made during the early part of 1934.

Name of Station	Country	Page No and Map Ref	Station Information	Wave-length (metres)	Your Dial Readings
Aberdeen ...	Gt. Britain ...	6 D 1	Generally Relays Scottish Regional Prog.	222.6	
Algiers ...	Algeria ...	10 D 3	Usually announces in French. Pronounces name of station as "Alzhay" ...	318.8 1639	
Ankara ...	Turkey ...	8 B 5	Turkish and French languages		
Athlone ...	Irish Free State	6 C 2	Relays the programme from the Dublin Studio ...	531	
Barcelona Radio Club ...	Spain ...	6 E 4	Call EAJ 25. Only Sats. 8.30—9.30 p.m.	50	
Barcelona ...	Spain ...	" "	"Radio Barcelona." Man announcer. Closes down with "Buenos Noches" (Goodnight)	274	
Bari ...	Italy ...	7 H 4	Usually relays Rome programmes	283.3	
Belfast ...	Gt. Britain ...	6 C 2	Uses low power, but a new Belfast station is planned	267.4	
Belgrade ...	Yugoslavia ...	7 J 4	Name sounds like "Baograd." Clock ticks in interval—60 per minute	437.3	
Bergen ...	Norway ...	8 A 2	Announces "Bergen Her" ...	352.9	
Berlin ...	Germany ...	7 G 2	(See also Konigs wusterhausen ...)	356.7	
Beromunster ...	Switzerland ...	6 F 3	Announces in German. Refers to station as "Schweizerischer Landessender" ...	539.6	
Boden ...	Sweden ...	8 A 2	Generally relays the Stockholm programme. Is shortly to increase power	726	
Bolzano ...	Italy ...	7 G 3	Low powered station seldom heard in Britain	559.7	
Bordeaux ...	France ...	6 D 4	Frequently Relays Paris and other French stations. Announces "Bordeaux Lafayette" ...	278.6 285.7 1875	
Bournemouth ...	Gt. Britain ...	6 D 2	Generally Relays London Regional ...		
Brasov ...	Roumania ...	7 K 3	New low-powered station		
Bratislava ...	Czecho Slovakia	7 H 3	Name pronounced as in English. Man and Woman announcers	298.8	
Breslau ...	Germany ...	7 H 2	Uses metronome sometimes in intervals. Works with Gleiwitz	315.8	
Brno ...	Czecho Slovakia	7 H 3	Pronounced "Birno" ("Dobrou Noc" means "Good Night")	325.4	
Brussels I ...	Belgium ...	6 E 2	Announces in French	483.9	
Brussels II ...	Belgium ...	" "	Announces in Flemish	321.9	
Bucharest ...	Roumania ...	7 K 4	Metronome beats 160 ticks per minute	212.6	
Bucharest ...	Roumania ...	" "		50	
Budapest I ...	Hungary ...	7 H 3	New station, name pronounced "Boodapest" Uses tuneful interval signal, nine notes, G sharp, B, A, B, G sharp, B, A, B, G sharp	549.5	
Budapest II ...	Hungary ...	" "	Low power alternative station	227.1	
Casablanca ...	N. Africa ...	10 C 3	Call CN8MC (Relays Rabat) Mons. 8—9 p.m., Tues. midnight to 1 a.m. and 8—9	48	
Constantine ...	Algeria ...	10 C 3	Call 8KR	45	
Copenhagen ...	Denmark ...	7 G 1	Relayed on long waves by Kalundborg. Closes down with Danish melody and three strokes of gong	255.1	
Cork ...	Irish Free State	6 C 2	Relays the Dublin programme	209.9	
Coruna ...	Spain ...	6 C 4	Seldom if ever heard in Britain	377.4	
Cracow ...	Poland ...	7 H 2	Announces "Hallo! Polskie Radio, Krakow" Sleigh bells sometimes used as interval signal	219.6	
Danzig ...	Danzig, Free City ...	7 H 2	Relays the Heilsberg programme	230.2	
Daventry 5XX ...	Gt. Britain ...	6 D 2	National Programme. New station now being erected (at Droitwich), to use greatly increased power	1500	
Daventry ...	Gt. Britain ...	" "	Empire Service. Call GSA	49.50	
Daventry ...	Gt. Britain ...	" "	" " " GSB	31.55	
Daventry ...	Gt. Britain ...	" "	" " " GSD	31.3	
Daventry ...	Gt. Britain ...	" "	" " " GSE	25.53	
Daventry ...	Gt. Britain ...	" "	" " " GSF	25.28	
Daventry ...	Gt. Britain ...	" "	" " " GSG	19.82	
Daventry ...	Gt. Britain ...	" "	" " " GSH	16.83	
			(At present the various Empire transmitter wavelengths are being altered experimentally).		

THE "CONCERTS" OF EUROPE, continued.

Name of Station	Country	Page No. and Map Ref.	Station Information	Wave-length (metres)	Your Dial Readings
Dnepetrovsk ...	U.S.S.R. ...	8 B 4	Shares wavelength with Limoges France	328.6	
Dublin ...	Irish Free State	6 C 2	Low powered relay. See Athlone	222.6	
Eindhoven ...	Holland ...	6 F 2	Call PHI. Hours 1—3 p.m.	25.57	
Eindhoven ...	Holland ...	" "	Mon., Thurs. and Fri. 12.30—2.30 p.m.		
Falun ...	Sweden ...	" "	Sat. and Sun. 12.30—3 p.m.	16.88	
Finmark ...	Norway ...	" "	Works on low power	276.2	
Florence ...	Italy ...	7 G 4	Do. Neither of these stations are often heard outside their own areas	845	
Frankfurt-am-Main ...	Germany ...	6 F 2	Relays the Turin programme. Name Florence is given in Italian as "Firenze"	491.8	
Geneva ...	Switzerland ...	6 F 3	Wavelength shared by other German stations so programme not clearly receivable	251	
Genoa ...	Italy ...	6 F 4	Low powered relay of Sottens. Song of nightingale as interval signal. Linked with Milan and Turin (the names are pronounced in Italian as "Milano, Torino, Genova")	748	
Gleiwitz ...	Germany ...	7 H 2	See Breslau, with which this station is usually linked	304.3	
Gomel ...	U.S.S.R. ...	7 L 2	Run by the Soviet Government	243.7	
Goteborg ...	Sweden ...	7 G 1	Name sounds like "Zhorteborg." "Goodnight" given as "Godnatt"	312.8	
Graz ...	Austria ...	7 H 3	"Halo! Radio Graz" Letter K in Morse (— —) is sometimes given in intervals; and also ticks of metronome, 200 per min.	318.8	
Grenoble ...	France ...	6 F 3	Announces as "Region des Alpes á Geneve"	338.6 309.9	
Hamar ...	Norway ...	" "	Relays Oslo	578	
Hamburg ...	Germany ...	7 G 2	Sometimes sends Morse letters HA (— — —) in interval. Often strikes gong before announcing	331.9	
Heilsberg ...	Germany ...	7 J 2	East Prussian Regional station; relays Konigsberg	291	
Helsinki ...	Finland ...	8 A 2	Announces "Huomio! Lahti-Helsinki"	335.2	
Hilversum ...	Holland ...	6 F 2	Exchanges programmes with Huizen—see Huizen	301.5	
Horby ...	Sweden ...	7 G 1	Relays Stockholm	265.3	
Huizen ...	Holland ...	6 F 2	Exchanges programmes with the Hilversum station, so announcements may be either "Huizen" or "Hilversum"	1345	
Innsbruck ...	Austria ...	7 G 3	New station, shortly to come into operation	578	
Jeløy ...	Norway ...	7 G 1	Call LCL. Relays Oslo	42.85	
Kalundborg ...	Denmark ...	7 G 1	Relays Copenhagen. Man and Woman announcers	1261	
Katowice ...	Poland ...	7 H 2	Pronounced "Katto-veecha" Sometimes answers letters over the microphone. Interval signal, Hammer striking anvil	395.8	
Kaunas ...	Lithuania ...	7 J 1	Usually man announces: "Allo! Lietuvos Radio Kaunas"	1639	
Kharkov I ...	U.S.S.R. ...	8 B 4	Recently erected under the Soviet Radio Plan	1345	
Kharkov II ...	U.S.S.R. ...	" "	Do. do. do.	253.2	
Kiev ...	U.S.S.R. ...	7 L 2	Soviet station of no programme value	415.5	
Klagenfurt ...	Austria ...	7 G 3	Relays the Vienna programmes	209.9	
Konigsberg ...	Germany ...	7 J 2	Linked with Heilsberg and Danzig	222.6	
Konig wusterhausen ...	Germany ...	7 G 2	Now the National German station, or "Deutschlandsender." Frequently picks the best programme items from Berlin and provincial stations	1571	
Kosice ...	Czecho Slovakia	7 J 3	Announces "Hallo Kosice." Uses three languages: Slovak, German and Hungarian. Closes down with "Dobru Noc" ("Goodnight")	269.5	
Krasnodar ...	U.S.S.R. ...	8 B 4	Shares this wavelength with two other stations, viz.: Bournemouth and Scottish National	285.7	
Lahti ...	Finland ...	8 A 2	Relays Helsinki (Helsingfors). No interval signal. Man and Woman announcers	1145	

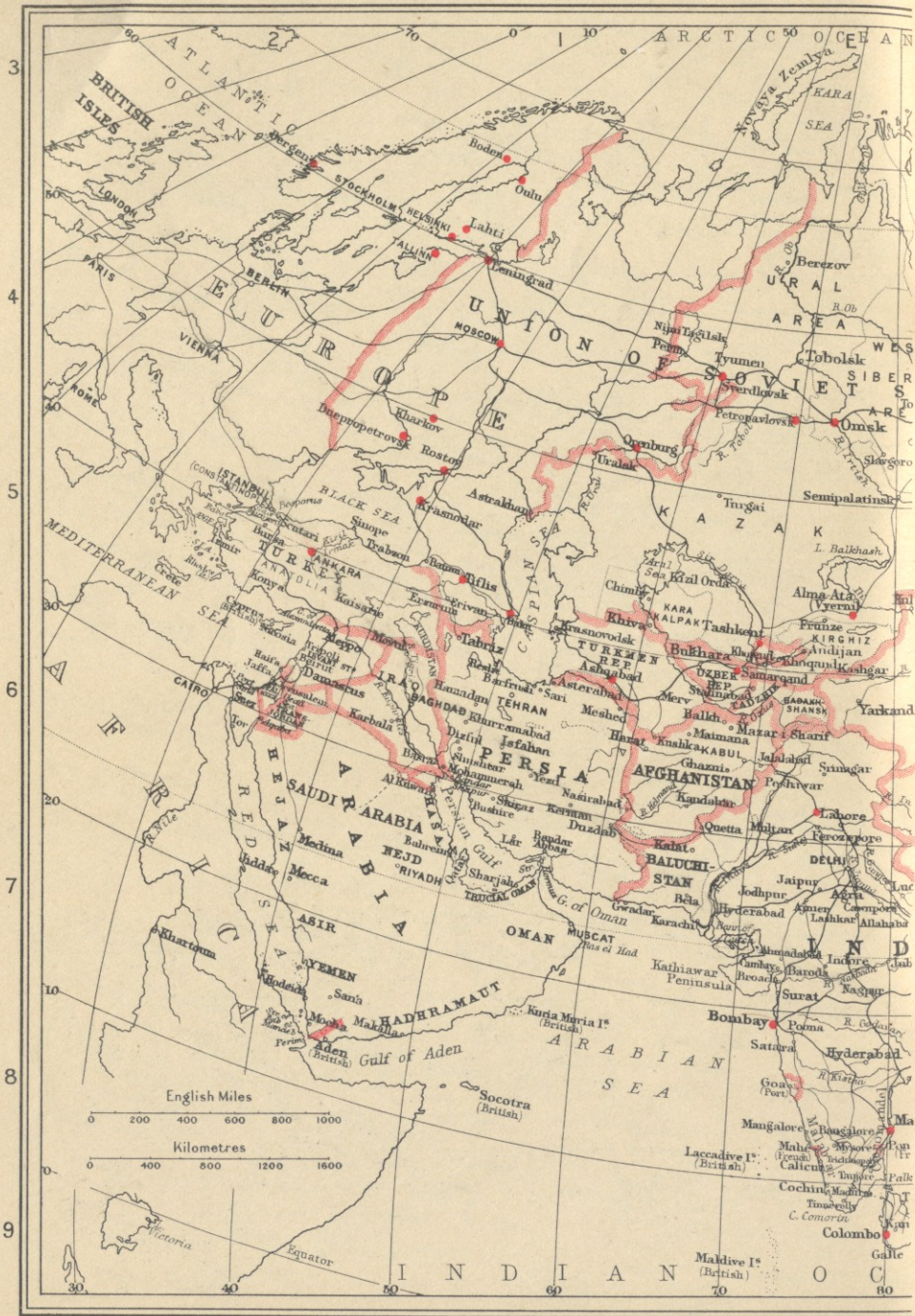
THE "CONCERTS" OF EUROPE, continued.

Name of Station	Country	Page No. and Map Ref.	Station Information	Wave-length (metres)	Your Dial Readings
Langenberg	Germany	6 F 2	Announces as "Westdeutscher Rundfunk"	455.9	
Leipzig	Germany	7 G 2	Sometimes uses Metronome in the intervals. Usually commences prog. at 5.15 a.m.	382.2	
Leningrad I	U.S.S.R.	8 B 3	Sometimes announces in English. Occasionally uses cuckoo interval signal	1224 288.6	
Leningrad II	U.S.S.R.	" "	Low powered Relay		
Lille	France	6 E 2	Call "Ici Radio PTT Lille." Closes down with air played on musical box	247.3	
Limoges	France	6 E 3	Relays Paris, Ecole Supérieure	328.6	
Linz	Austria	7 G 3	Relays Vienna	231.8	
Lisbon	Portugal	6 C 5	Call CT1AA. Tues. and Fri. 9.30 p.m. to midnight	31.25	
Ljubljana	Yugoslavia	7 G 3	Man announces: "Hallo, Radio Ljubljana"		
Lodz	Poland	7 H 2	Interval signal, cuckoo	569.3	
London National	Gt. Britain	6 D 2	Relays Warsaw	222.6	
London Regional	Gt. Britain	" "	One of the Twin-wave high power stations at Brookmans Park	261.1	
Luxembourg	Luxembourg	6 F 3	Do. Alternative prog. for London area	342.1	
Lwow	Poland	7 J 3	Sponsored programmes. Man and Woman announcers	240.2	
Lyons	France	6 E 3	Name pronounced like "Lvoof." Uses Metronome and a clock gong. Man and woman announcers	377.4	
Madona	Latvia	7 K 1	Announces as "Radio Lyon" or "Ici Radio Lyon"	463	
Madrid I	Spain	6 D 4	Relays Riga	514.6	
Madrid II	Spain	" "	New station, not yet in action	1639	
Madrid	Spain	" "	Fond of operatic programme. Usually closes down with the words "Hasta Manana"	293.5	
Madrid	Spain	" "	Call EAO Daily 11 p.m.—1 a.m.	30	
Magyarovar	Hungary	7 H 3	Call EAR 110. Tues. and Sats. at 10.30 p.m.	43	
Marseilles	France	6 F 4	New low power relay	208.6	
Midland Regional	Gt. Britain	6 D 2	Frequently relays Paris. Closes down: "Bonsoir, Mesdames, Mesdemoiselles, Messieurs"	400.5	
Milan I	Italy	6 F 3	Originally called 5GB. Situated at Daventry. New station to replace it now being built at Droitwich	391.1	
Milan II	Italy	" "	"Milano." See Genoa	368.6	
Minsk	U.S.S.R.	7 K 2	Known as the Vigentiano station	222.6	
Miskolcz	Hungary	7 J 3	Also known as "Minsk Koloditschi"	1442	
Monte Ceneri	Switzerland	6 F 3	Usually works in conjunction with Magyarovar	208.6	
Montpellier	France	6 E 4	Station for the Italian-speaking Switzerland	257.1	
Moravska-Ostrava	Czecho Slovakia	7 H 3	Low powered station	224	
Moscow I	U.S.S.R.	7 M 1	Many languages are used, including Czech, Slovak, German and French. Closes down with "Radiojournal Moravska-Ostrava, Dobrou Noc" (Goodnight)	259.1	
Moscow II	U.S.S.R.	" "	The most powerful broadcasting station in Europe. Occasional talks in English	1714	
Moscow III	U.S.S.R.	" "	Run by the Soviet Government for educational purposes	1107	
Moscow IV	U.S.S.R.	" "	Do. do. do.	748	
Moscow	U.S.S.R.	" "	Do. do. do.	360.6	
Moscow	U.S.S.R.	" "	Call RW72	45.38	
Motala	Sweden	7 H 1	RW59 (Relays Moscow Trades Union)	50.	
Muhlacker	Germany	6 G 3	Relays the Stockholm programme. Closes down with "Godnatt, Godnatt" (Goodnight, Goodnight)	1389	
Munich	Germany	7 G 3	This was the station formerly placed just above London Regional's wavelength	522.6	
Murmansk	U.S.S.R.	" "	The name is pronounced "Munchen"	405.4	
Naples	Italy	7 G 4	New Soviet station, on rather low power	491.8	
Newcastle	Gt. Britain	6 D 2	Pronounces names as "Napoli." Relays the Rome programme so is generally announced as "Roma-Napoli"	271.7	
			Originates own programme about one evening a week, but usually takes the North Regional	209.9	

THE "CONCERTS" OF EUROPE, continued.

Name of Station	Country	Page No. and Map Ref.	Station Information	Wave-length (metres)	Your Dial Readings
North National	Gt. Britain	6 D 2	One of the Twin-wave stations at Moorside Edge, Yorks.	296.2	
North Regional	Gt. Britain	" "	Do. A new station to be erected at Jerusalem will share the 449.1 metre wavelength with North Regional when it comes into operation	449.1	
Nyiregyhaza	Hungary	7 J 3	Works on the same wavelength as several other Hungarian stations	208.6	
Odessa	U.S.S.R.	7 L 3	Low powered station, not receivable in Gt. Britain	309.9	
Oslo	Norway	7 G 1	Deep-voiced man announcer, says "Oslo Her" before most of the items	1186	
Ostersund	Sweden	" "	Relays the Stockholm programme	765	
Oukhta	U.S.S.R.	" "	Not receivable in Gt. Britain	309.9	
Oulu	Finland	8 A 2	Announces in the Swedish and Finnish languages	696	
Palermo	Italy	7 G 5	Shares its wavelength with Athlone and other stations, so not received in this country	531	
Paris	France	6 E 3	See Radio Paris	1796	
Paris	France	" "	"Poste de Telegraphes de Paris" in announcements	431.7	
Paris	France	" "	See Radio Colonial	25.63	
Paris	France	" "	Call FYB. Sends Time Signal 10.26 a.m. and 11.26 p.m. daily	28.36	
Pecs	Hungary	7 H 3	Only a low powered relay station	208.6	
Petrozavodsk	U.S.S.R.	" "	Not received in this country. Shares wavelength with a French station	463	
Plymouth	Gt. Britain	6 D 2	Usually takes the West Regional programme, and sometimes supplies it	203.5	
Poznan	Poland	7 H 2	Only a low powered station, sharing its wavelength	345.6	
Prague I	Czecho Slovakia	7 G 2	Name announced as "Praha." Until recently this was the highest powered station in Europe, using a wavelength next to North Regionals	470.2	
Prague II	Czecho Slovakia	" "	Very restricted range, and this wavelength to be shared by other Czecho Slovakian stations	249.2	
Prague	Czecho Slovakia	" "	Short wave experimental station. Call: OKIMPT	58.31	
Radio Colonial	France	6 E 3	Daily, 5.15—11 p.m. 3—5 a.m.	25.63	
Radio Colonial	France	" "	" 5.15—11 p.m.	25.25	
Radio Colonial	France	" "	" 2—5 p.m.	19.68	
Radio Nations	Switzerland	6 F 3	League of Nations stations situated at Prangins	40.3	
Radio Nations	Switzerland	" "	Do. Sats. 10.0—10.45 p.m.	38.47	
Radio Nations	Switzerland	" "	Do Sats. 10.0—10.45 p.m.	31.32	
Radio Paris	France	6 E 3	Announces "Ici Radio Paris." Closes with "Marsellaise" and "Bonsoir Mesdames, Bonsoir Mesdemoiselles, Bonsoir Messieurs"	1796	
Rennes	France	6 D 3	Man announcer. Generally relays Paris	288.6	
Reykjavik	Iceland	15 P 2	Woman announcer. Closes down with "Goda Not" (Goodnight)	1639	
Riga	Latvia	7 J 1	Women announcer. Pronounces name "Re-ga"	238.5	
Rome I	Italy	7 G 4	Generally woman announcer. "Roma-Napoli." Closes down with "Buona Notte" (Goodnight)	420.8	
Rome II	Italy	" "	Low powered station for local alternative	238.5	
Rome	Italy	" "	Call ZRO. Relays Rome I	25.4	
Rostov on Don	U.S.S.R.	8 B 4	Soviet Government station	845	
Salzburg	Austria	7 G 3	Low powered relay only	231.8	
San Sebastian	Spain	6 D 4	Announces "Monte Igueldo" (site of station) and closes with "Buenos Noches" (Goodnight)	238.5	
Scottish National	Gt. Britain	6 D 1	Twin wave station situated at Westerglen, Near Falkirk	285.7	
Scottish Regional	Gt. Britain	" "		373.1	



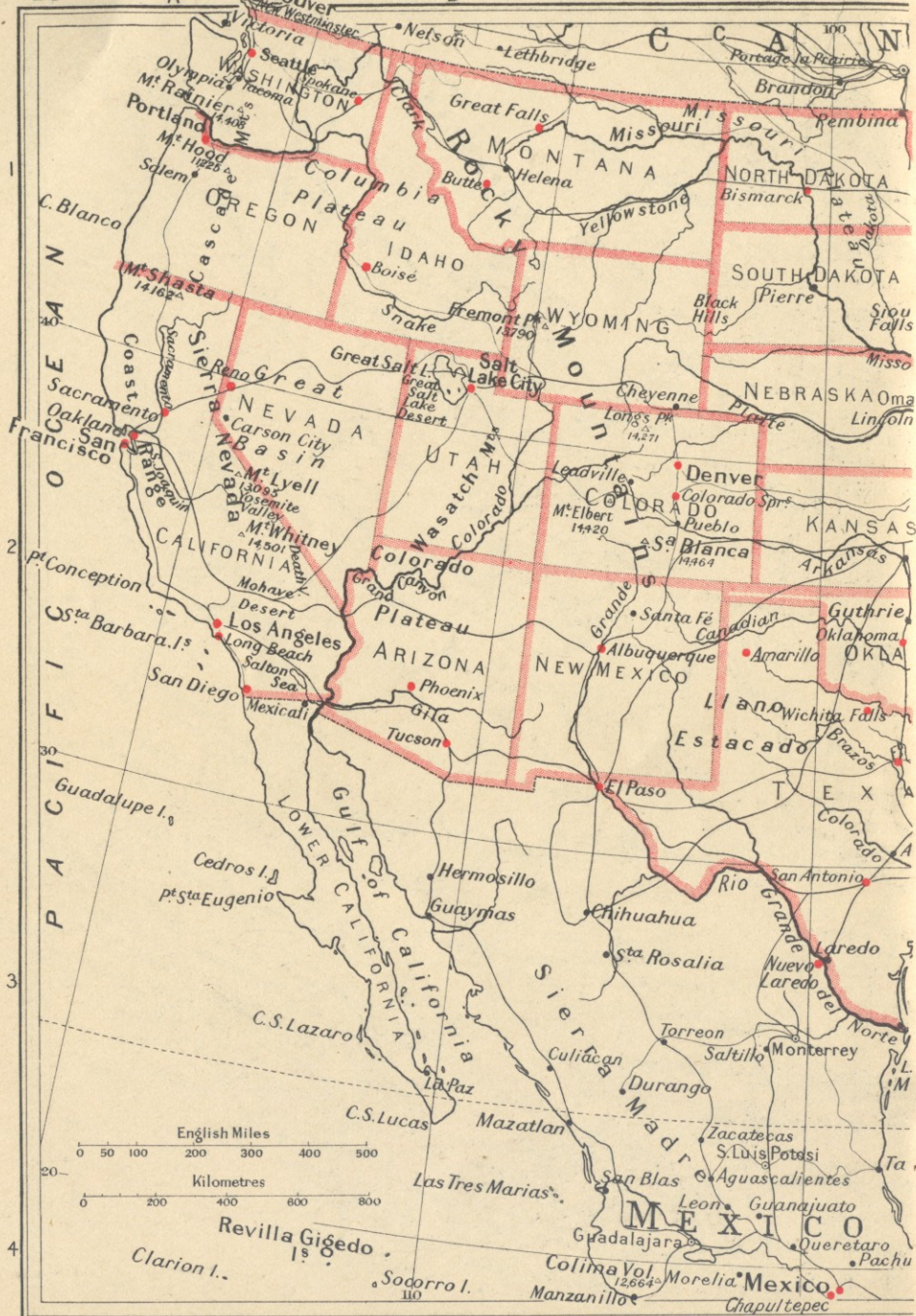


AFRICA









SOUTH AMERICA



THE "CONCERTS" OF EUROPE, continued.

Name of Station	Country	Page No. and Map Ref.	Station Information	Wave-length (metres)	Your Dial Readings
Seville ...	Spain ...	6 C 5	Pronounces Seville as "Sevil-ya" ...	410.4	
Simferopol ...	U.S.S.R. ...		Soviet Government station ...	349.2	
Skarmlebaek ...	Denmark ...	7 G 1	Relays Copenhagen 6-11 p.m. ...	49.4	
Skarmlebaek ...	Denmark ...	" "	Call OXY ...	31.51	
Smolensk ...	U.S.S.R. ...	7 L 2	New Soviet station, unlikely to be received in Britain ...	824	
Sottens ...	Switzerland ...	6 F 3	Announces as "Radio Suisse Romande" Programmes from Lausanne or Geneva studios. Announces in French ...	443.1	
Stalino ...	U.S.S.R. ...		New Soviet station unlikely to be received in Britain ...	386.6	
Stockholm ...	Sweden ...	7 H 1	Usually announces "Stockholm-motala" Closes with "God-Nat" (Goodnight) ...	426.1	
Strasbourg ...	France ...	6 F 3	Announces in German and French ...	349.2	
Sundsvall ...	Sweden ...		Relays to Stockholm programme ...	499.2	
Tallinn ...	Estonia ...	8 A 3	Very seldom heard in Britain ...	410.4	
Tampere ...	Finland ...		Relays the Helsinki programmes ...	569.3	
Tchernigov ...	U.S.S.R. ...		New Soviet station sharing North National's wavelength ...	296.2	
Tiraspol ...	U.S.S.R. ...	7 K 3	May change wavelength with Odessa ...	280.9	
Torun ...	Poland ...	7 H 2	Shares wavelength with Genoa ...	304.3	
Toulouse ...	France ...	6 E 4	Formerly a well-received station, but now uses shared wavelength ...	386.6	
Trieste ...	Italy ...	7 G 3	Pronounces name as "Tree-es-tay" ...	245.5	
Trondheim ...	Norway ...		Relays Oslo's programme ...	476.9	
Turin ...	Italy ...	6 F 3	Nightingale's song as interval signal. Announces as "Radio Milano-Torino-Genova" ...	263.2	
Valencia ...	Spain ...	6 D 5	Announces "Radio Valencia" but uses only low power, so seldom heard ...	352.9	
Vatican City ...	Italy ...	7 G 4	Daily 7-7.15 p.m. and Sundays 10-10.30 a.m. ...	50.26	
Vatican City ...	Italy ...	" "	Daily 10-10.15 a.m. ...	19.84	
Vienna ...	Austria ...	7 H 3	Pronounces name "Radio Veen." Sometimes uses fast-ticking metronome in intervals ...	506.8	
Vienna Experimental ...	Austria ...	" "	Tues. and Thurs. at intervals from 1.30 to 9.0 p.m. ...	49.4	
Viiipuri ...	Finland ...		Relays Helsinki programme ...	403.5	
Vinnitsa ...	U.S.S.R. ...	7 K 3	Only a low powered station ...	274	
Voroneie ...	U.S.S.R. ...		Low powered station, shares wavelength with Boden ...	726	
Warsaw I ...	Poland ...	7 J 2	Announces name as "Varshova." Clock gong in intervals ...	1304	
Warsaw II ...	Poland ...	" "	Low powered station not heard in this country ...	216.8	
West National ...	Gt. Britain ...	6 D 2	Situated at Watchet, Somerset ...	261.1	
West Regional ...	Gt. Britain ...	" "	Do. Programmes from Cardiff, Bristol, Plymouth, etc. ...	307.1	
Wilno ...	Poland ...	7 K 2	Uses trumpet (3 blasts) as interval signal ...	559.7	
Zagreb ...	Yugoslavia ...	7 H 3	Metronome ticks in intervals ...	276.2	
Zeesen ...	Germany ...	7 G 2	Usually works 10 p.m.-2.15 a.m. ...	31.38	
Zeesen ...	Germany ...	" "	3-11 p.m. daily ...	25.51	
Zeesen ...	Germany ...	" "	1.55-10.30 p.m. daily ...	19.73	
Zeesen ...	Germany ...	" "	Call DJE. Irregular hours of working ...	16.89	

THE BROADCASTS OF THE WORLD

A LIST OF THE PRINCIPAL STATIONS OUTSIDE EUROPE

Name of Station	Country	Page No. and Map Ref.	Time compared with G.M.T.	Wave-length in Metres	Your own Dial Readings
Adelaide ...	Australia ...	12 E 3	9½ hours fast ...	411	
Agronomia ...	Uruguay ...		3½ hours slow ...	411	
Albury ...	Australia ...	13 D 4	10 hours fast ...	227	
Alma-Ata ...	U.S.S.R. ...	8 F 4	2 hours fast ...	967	
Amparo ...	Brazil ...	19 F 6	3 hours slow ...	230	
Anchorage ...	Alaska ...		9 hours slow ...	244.2	
Apia ...	Samoa ...		11½ hours slow ...	319	
Auckland ...	New Zealand ...	13 G 4	11½ hours fast ...	333	
Bahia ...	Brazil ...	18 G 5	3 hours slow ...	350	
Baku ...	U.S.S.R. ...	8 C 4	2 hours fast ...	1260	
Ballarat ...	Australia ...	13 D 4	10 hours fast ...	230	
Bandoeng ...	Java ...		8 hours fast ...	58.03	
Bangkok ...	Siam ...	9 J 7	7 hours fast ...	350	
Belem ...	Brazil ...	18 F 4	3 hours slow ...	220	
Belle Isle ...	Newfoundland ...	15 M 3	3½ hours slow ...	335	
Bendigo ...	Australia ...	13 D 4	10 hours fast ...	306	
Bogota ...	Colombia ...	18 C 3	5 hours slow ...	48.95	
"	"	"	"	48.6	
"	"	"	"	48.00	
Boise ...	U.S.A. ...	16 B 1	8 hours slow ...	240	
Bombay ...	India ...	8 F 7	5½ hours fast ...	357.1	
Boston ...	U.S.A. ...	17 F 1	5 hours slow ...	49.67	
"	"	"	"	25.45	
"	"	"	"	19.67	
Bound Brook ...	U.S.A. ...	17 F 1	5 hours slow ...	395	
"	"	"	"	16.87	
"	"	"	"	46.69	
"	"	"	"	49.18	
Bowmanville ...	Canada ...	15 K 4	5 hours slow ...	435	
"	"	"	"	330	
"	"	"	"	49.22	
Brandon ...	Canada ...	14 H 4	7 hours slow ...	557	
Brisbane ...	Australia ...	13 E 3	10 hours fast ...	395	
Buenos Aires ...	Argentina ...	19 E 7	4 hours slow ...	361.4	
Calcutta ...	India ...	9 G 6	5½ hours fast ...	370.4	
"	"	"	"	49.1	
Calgary ...	Canada ...	14 F 3	8 hours slow ...	291.2	
Cape Town ...	South Africa ...	11 E 10	2 hours fast ...	371	
Caracas ...	Venezuela ...	18 D 2	4½ hours slow ...	49.08	
"	"	"	"	48.78	
"	"	"	"	31.55	
Centenario ...	Uruguay ...		3½ hours slow ...	240	
Charlottetown ...	Canada ...	15 L 4	4 hours slow ...	517	
Chatham ...	Canada ...		5 hours slow ...	248	
Chekkiang ...	China ...		8 hours fast ...	307	
Chicago ...	U.S.A. ...	17 E 1	6 hours slow ...	293.9	
"	"	"	"	389.4	
"	"	"	"	344.6	
"	"	"	"	49.34	
"	"	"	"	49.18	
Chilliwack ...	Canada ...		8 hours slow ...	214	
Christchurch ...	New Zealand ...	13 G 5	11½ hours fast ...	306	
Ciego ...	Cuba ...		5 hours slow ...	235	
Cienfuego ...	Cuba ...		5 hours slow ...	200	
Cincinnati ...	U.S.A. ...	17 E 2	6 hours slow ...	428.6	
"	"	"	"	49.5	
Cleveland ...	U.S.A. ...	17 E 1	5 hours slow ...	280.2	
Cobalt ...	Canada ...	15 K 4	5 hours slow ...	248	
Colombo ...	Ceylon ...	8 F 9	5½ hours fast ...	428.6	
Colon ...	Uruguay ...	19 E 7	3½ hours slow ...	232	
Curityba ...	Brazil ...	19 F 6	3 hours slow ...	340	
Dairen ...	Japan ...	9 L 5	9 hours fast ...	395	
Dallas ...	U.S.A. ...	17 D 2	6 hours slow ...	288	
"	"	"	"	374.8	

BROADCASTS OF THE WORLD, continued.

Name of Station	Country	Page No. and Map Ref.	Time compared with G.M.T.	Wave-length in Metres	Your own Dial Readings
Dannevirke ...	New Zealand ...	—	1 1/2 hours fast	273	
Denver ...	U.S.A. ...	16 C 2	7 hours slow	361.2	
Dunedin ...	New Zealand ...	13 G 5	1 1/2 hours fast	463	
Durban ...	South Africa ...	11 G 9	2 hours fast	415	
Edmonton ...	Canada ...	14 F 3	7 hours slow	517	
Eketahuna ...	New Zealand ...	—	1 1/2 hours fast	247	
Estacion Oficial	Uruguay ...	—	3 1/2 hours slow	462	
Fada ...	Uruguay ...	—	3 1/2 hours slow	309	
Fleming ...	Canada ...	—	7 hours slow	500	
Fort Worth ...	U.S.A. ...	—	6 hours slow	374.8	
Fredricton ...	Canada ...	15 L 4	5 hours slow	248	
Fukuoka ...	Japan ...	—	9 hours fast	411	
Funchal ...	Madeira ...	10 B 3	1 hour slow	26.83	
Geelong ...	Australia ...	13 D 4	10 hours fast	214	
Gisborne ...	New Zealand ...	13 G 4	1 1/2 hours fast	260	
Gomel ...	U.S.S.R. ...	7 L 2	2 hours fast	483	
Grand Island ...	U.S.A. ...	—	5 hours slow	288	
Greymouth ...	New Zealand ...	13 G 5	1 1/2 hours fast	366	
Guatemala City ...	S. America ...	18 A 2	6 hours slow	45	
Gunnedah ...	Australia ...	13 E 4	10 hours fast	225	
Halifax ...	Canada ...	15 L 4	4 hours slow	330	
Hamilton ...	Canada ...	15 K 4	5 hours slow	49.1	
Hamilton ...	New Zealand ...	—	1 1/2 hours fast	341	
Harbin ...	China ...	9 L 4	8 hours fast	476	
Hastings ...	New Zealand ...	—	1 1/2 hours fast	445	
Havana ...	Cuba ...	17 E 3	5 hours slow	225	
Hiroshima ...	Japan ...	9 M 5	9 hours fast	500	
Hobart ...	Australia ...	13 D 5	10 hours fast	315	
Honolulu ...	U.S.A. ...	—	10 hours slow	517	
Hong Kong ...	China ...	9 K 6	8 hours fast	319	
Imeni Popova ...	U.S.S.R. ...	—	2 hours fast	353	
Invercargill ...	New Zealand ...	13 F 5	1 1/2 hours fast	1115	
Iroquois Falls ...	Canada ...	—	5 hours slow	258	
Johannesburg ...	South Africa ...	11 F 9	2 hours fast	500	
Kamloops ...	Canada ...	14 E 3	8 hours slow	447.5	
Kanazawa ...	Japan ...	9 M 5	9 hours fast	49	
Ketchikan ...	Alaska ...	—	8 hours slow	268	
Khabarovsk ...	U.S.S.R. ...	9 M 4	2 hours fast	423	
"	"	"	"	333	
"	"	"	"	93.7	
"	"	"	"	285	
"	"	"	"	70.2	
Kingston ...	Canada ...	15 K 4	5 hours slow	268	
Kuala Lumpur	Federated Malay States	9 J 8	7 hours fast	48.9	
Kumamoto ...	Japan ...	—	9 hours fast	380	
Lahore ...	India ...	8 F 5	5 1/2 hours fast	340	
La Paz ...	Bolivia ...	18 D 5	4 hrs. 32 mins. slow	49.3	
Launceston ...	Australia ...	13 D 5	10 hours fast	1080	
Lethbridge ...	Canada ...	14 F 4	8 hours slow	1100	
Lima ...	Peru ...	18 C 5	5 hours slow	268	
London ...	Canada ...	15 J 4	5 hours slow	380	
"	"	"	"	330	
"	"	"	"	62.56	
"	"	"	"	46.67	
Los Angeles ...	U.S.A. ...	16 B 2	8 hours slow	468.5	
Los Pinos ...	Cuba ...	—	5 hours slow	213	
Louisville ...	U.S.A. ...	17 E 2	6 hours slow	365.6	
Madras ...	India ...	8 G 7	5 1/2 hours fast	390	
Manilla ...	Phillipine Is. ...	9 L 7	8 hours fast	485	
Manizales ...	Colombia ...	18 C 3	4 hours 56 mins. slow	41.9	
Manurewa ...	New Zealand ...	—	1 1/2 hours fast	247	
Maracay ...	Venezuela ...	18 D 2	4 1/2 hours slow	48.95	
Masterton ...	New Zealand ...	—	1 1/2 hours fast	254	
Matanzas ...	Cuba ...	17 E 3	5 hours slow	307	

BROADCASTS OF THE WORLD, continued.

Name of Station	Country	Page No. and Map Ref.	Time compared with G.M.T.	Wave-length in Metres	Your own Dial Readings
Melbourne ...	Australia ...	13 D 4	10 hours fast	484	
"	"	"	"	375	
"	"	"	"	31.55	
Merida ...	Mexico ...	17 E 3	6 hours slow	547	
Mexico City ...	Mexico ...	16 D 4	7 hours slow	548	
"	"	"	"	450	
"	"	"	"	349	
"	"	"	"	248	
Midland ...	Canada ...	—	5 hours slow	268	
Milan ...	Uruguay ...	—	3 1/2 hours slow	212	
Moncton ...	Canada ...	15 L 4	4 hours slow	476	
Monte Carlo ...	Uruguay ...	—	3 1/2 hours slow	322	
Monte Video ...	Uruguay ...	19 E 7	3 1/2 hours slow	201	
"	"	"	"	309	
"	"	"	"	462	
"	"	"	"	411	
Montreal ...	Canada ...	15 K 4	5 hours slow	411	
"	"	"	"	49.96	
Moosejaw ...	Canada ...	14 G 3	7 hours slow	500	
Moss Vale ...	Australia ...	13 E 4	10 hours fast	245	
"	"	"	"	205	
Mukden ...	Manchukuo ...	9 L 4	8 hours fast	410	
Nacional ...	Uruguay ...	—	3 1/2 hours slow	265	
Nagoya ...	Japan ...	—	9 hours fast	370.1	
Nairobi ...	Kenya Colony ...	11 G 7	2 hours fast	400	
"	"	"	"	49.5	
Napier ...	New Zealand ...	13 G 4	1 1/2 hours fast	238	
Nashville, Tenn. ...	U.S.A. ...	17 E 2	6 hours slow	461.4	
Newcastle ...	Australia ...	13 E 4	10 hours slow	270	
New Plymouth ...	New Zealand ...	13 G 4	1 1/2 hours fast	243	
New York ...	U.S.A. ...	17 F 1	5 hours slow	454.3	
"	"	"	"	394.5	
"	"	"	"	272.6	
Okayama ...	Japan ...	—	9 hours fast	429	
Omsk ...	U.S.S.R. ...	8 F 3	2 hours fast	636	
Osaka ...	Japan ...	9 M 5	9 hours fast	400	
Ottawa ...	Canada ...	15 K 4	5 hours slow	500	
"	"	"	"	337	
Palmerston North	New Zealand ...	—	1 1/2 hours fast	285	
"	"	"	"	267	
Peiping ...	China ...	9 K 5	8 hours fast	215	
Perth ...	Australia ...	12 A 4	8 hours fast	435	
Philadelphia ...	U.S.A. ...	17 F 1	5 hours slow	256.3	
"	"	"	"	31.28	
"	"	"	"	49.5	
Pilot Butte	Canada ...	—	7 hours slow	312	
Pittsburgh ...	U.S.A. ...	17 F 1	5 hours slow	305.9	
"	"	"	"	13.93	
"	"	"	"	19.72	
"	"	"	"	25.27	
"	"	"	"	48.86	
Popelka ...	Uruguay ...	—	3 1/2 hours slow	238	
Porto Alegre ...	Brazil ...	19 E 6	3 hours slow	275	
Preston ...	Canada ...	—	5 hours slow	297	
Pretoria ...	South Africa ...	11 F 9	2 hours fast	248	
Quebec ...	Canada ...	15 K 4	5 hours slow	315	
Radio Electrica	Uruguay ...	—	3 1/2 hours slow	341	
Rangoon ...	Burma ...	9 H 7	6 1/2 hours fast	353	
Regina ...	Canada ...	14 G 3	7 hours slow	350	
Ribeirao Preto ...	Brazil ...	19 E 6	3 hours slow	312.3	
Richmond, Va. ...	U.S.A. ...	17 F 2	5 hours slow	260	
Rio de Janeiro ...	Brazil ...	19 F 6	3 hours slow	270.1	
"	"	"	"	400	
"	"	"	"	360	
"	"	"	"	320	
"	"	"	"	260	
"	"	"	"	228	
Saigon ...	Indo China ...	9 J 7	8 hours fast	570	
St. Denis ...	Reunion ...	—	4 hours fast	500	
St. John ...	Canada ...	15 L 4	4 hours slow	337	
"	"	"	"	49.26	

BROADCASTS OF THE WORLD, continued.

Name of Station	Country	Page No. and Map Ref.	Time compared with G.M.T.	Wave-length in Metres	Your own Dial Readings
St. John's	Newfoundland	15 M 4	3½ hours slow	545 444	
St. Louis, Mo.	U.S.A.	17 D 2	6 hours slow	275.1	
St. Paul, Minn.	U.S.A.	17 D 1	6 hours slow	205.4	
Saladeng	Siam	8	7 hours fast	320	
Samarkand	U.S.S.R.	8 E 5	2 hours fast	875	
San Antonio, Tex.	U.S.A.	16 D 3	7 hours slow	252	
San Francisco	U.S.A.	16 A 2	8 hours slow	440.9 379.5	
San Juan	Porto Rico	18 D 2	4 hours slow	337	
Santiago de Cuba	Cuba	17 F 4	5 hours slow	290 273	
"	"	"	"	255	
"	"	"	"	240	
"	"	"	"	227	
Santos	Brazil	19 F 6	3 hours slow	300	
Sao Paulo	Brazil	19 F 6	3 hours slow	400 350	
"	"	"	"	320	
"	"	"	"	295	
Saskatoon	Canada	14 G 3	7 hours slow	330	
Schenectady, New York	U.S.A.	17 F 1	5 hours slow	379.5 19.56	
"	"	"	"	31.48	
Seattle	U.S.A.	16 A 1	8 hours slow	309.1	
Sendai	Japan	"	9 hours fast	394.7	
Shanghai	China	9 L 5	8 hours fast	235.5	
Spokane	U.S.A.	16 B 1	8 hours slow	204	
Springfield, Mass.	U.S.A.	17 F 1	5 hours slow	302.8 31.35	
Sydney	Canada	"	4 hours slow	341	
Sydney	Australia	13 E 4	10 hours fast	451 351	
"	"	"	"	316	
"	"	"	"	292	
"	"	"	"	280	
"	"	"	"	266	
"	"	"	"	31.28	
Tacubaya	Mexico	"	7 hours slow	600 500	
Tananarive	Madagascar	11 H 8	3 hours fast	52.7	
Tashkent	U.S.S.R.	8 E 4	2 hours fast	1170 712	
Teneriffe	Canary Islands	10 B 4	Same as Greenwich	41.6	
Tientsin	China	9 K 5	8 hours fast	480 300	
Tokyo	Japan	9 M 5	9 hours fast	345	
Toowoomba	Australia	13 E 3	10 hours fast	294	
Toronto	Canada	15 K 4	5 hours slow	312 434.7	
Trilafgar	Australia	13 D 4	10 hours fast	234	
Uruguay	Uruguay	"	3½ hours slow	285	
Vancouver	Canada	14 E 4	8 hours slow	411 291	
"	"	"	"	49.43	
Verkhneudinsk	U.S.S.R.	9 J 3	2 hours fast	857	
Victoria	Canada	14 E 4	8 hours slow	476	
Victoria Peak	Hong Kong	9 K 6	8 hours fast	355	
Vladivostok	U.S.S.R.	9 M 4	2 hours fast	472 413	
Wairoa	New Zealand	"	11½ hours fast	366	
Wanganui	New Zealand	"	11½ hours fast	500	
Washington, D.C.	U.S.A.	17 F 2	5 hours slow	316	
Waterloo	Canada	"	5 hours slow	297	
Wayne	U.S.A.	17 E 1	6 hours slow	49.02 25.36	
Wellington	New Zealand	13 G 5	11½ hours fast	420	
Windsor	Canada	15 J 4	6 hours slow	555.5	
Winnipeg	Canada	14 H 3	6 hours slow	329.6 25.6	
Yorlton	Canada	"	"	476	
Zion	U.S.A.	"	6 hours slow	278	