

"Popular Wireless"

2<sup>D</sup>

**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 Sootish Regional Prog.  | 222.6                |                    |
| Algiers ...          | Algeria ...       | 10 D 3               | Usually announces in French, Pronounces name of station as "Alzhay"  | 318.8                |                    |
| Ankara ...           | Turkey ...        | 8 B 5                | Turkish and French languages   | 163.9                |                    |
| 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 Konigswusterhausen)  | 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                |                    |
| Bournemouth          | Gt. Britain ...   | 6 D 2                | Generally Relays London Regional...  | 285.7                |                    |
| Brasov ...           | Roumania ...      | 7 K 3                | New low-powered station  | 1875                 |                    |
| 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, C sharp | 549.5                |                    |
| Budapest II          | Hungary ...       | " "                  | Low power alternative station  | 227.1                |                    |
| Casablanca           | N. Africa ...     | 10 C 3               | Call CNBMC (Relays Rabat) Mons. 8—9 p.m., Tues. midnight to 1 a.m. and 8—9   | 48                   |                    |
| Constantine          | Algeria ...       | 10 C 3               | Call RKR   | 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   | 49.59                |                    |
| Daventry             | Gt. Britain ...   | " "                  | " " " GSB  | 31.55                |                    |
| Daventry             | Gt. Britain ...   | " "                  | " " " GSC  | 31.3                 |                    |
| Daventry             | Gt. Britain ...   | " "                  | " " " GSD  | 25.53                |                    |
| Daventry             | Gt. Britain ...   | " "                  | " " " GSE  | 25.28                |                    |
| Daventry             | Gt. Britain ...   | " "                  | " " " GSF  | 19.82                |                    |
| Daventry             | Gt. Britain ...   | " "                  | " " " GSG  | 16.83                |                    |

(At present the various Empire transmitter wavelengths are being altered experimentally).

## THE "CONCERTS" OF EUROPE, continued.

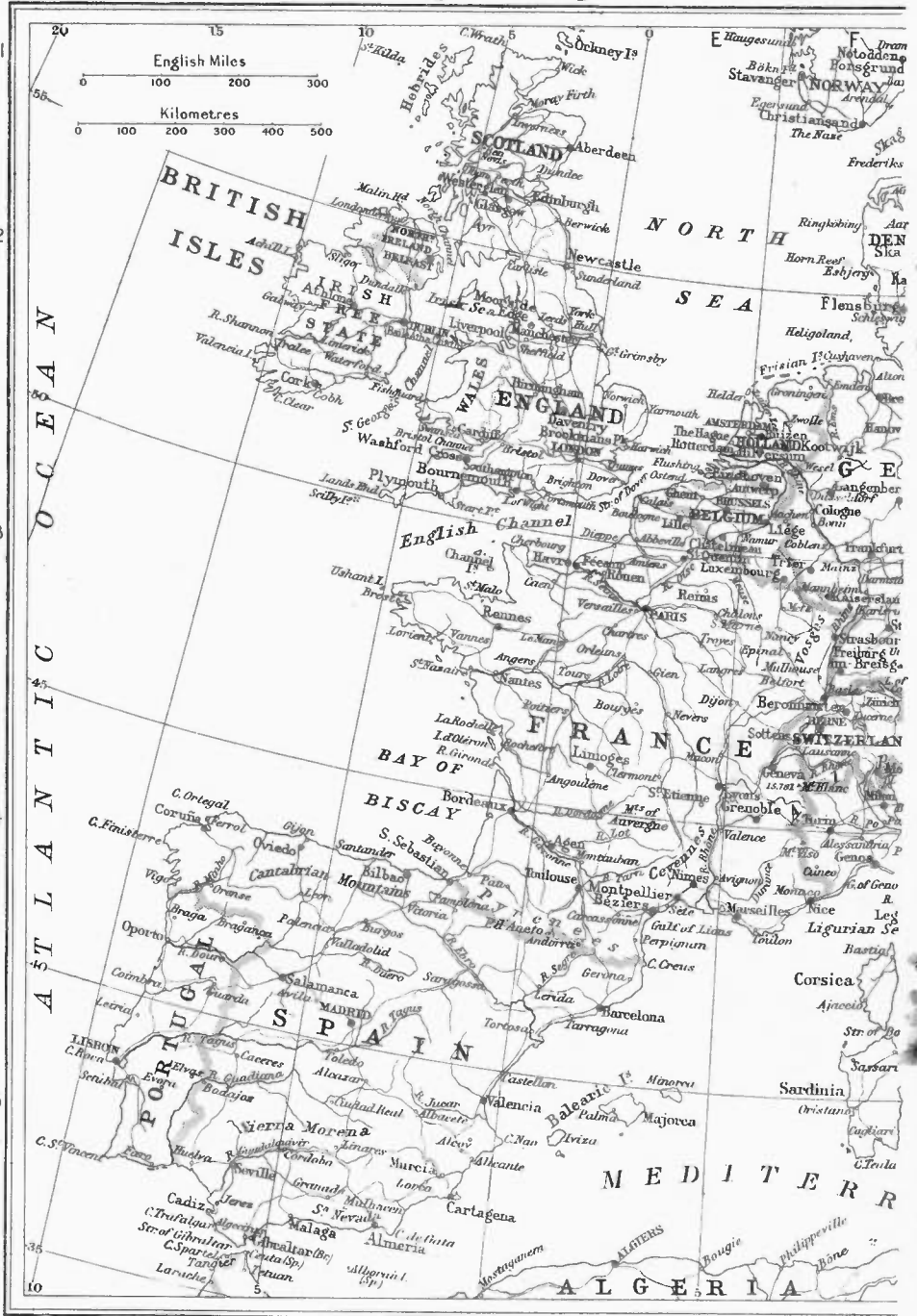
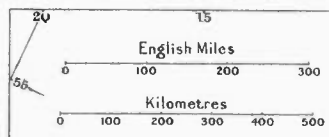
| Name of Station       | Country          | Page No. and Map Ref. | Station Information  | Wave-length (metres) | Your Dial Readings |
|-----------------------|------------------|-----------------------|--|----------------------|--------------------|
| Dnepropetrovsk        | U.S.S.R. ...     | 8 B 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. ....   | 748                  |                    |
| Gleiwitz ...          | Germany ...      | 7 H 2                 | Song of nightingale as interval signal. Linked with Milan and Turin (the names are pronounced in Italian as "Milano, Torino, Genova") ...                              | 304.3                |                    |
| Gomel ...             | U.S.S.R. ...     | 7 L 2                 | See Breslau, with which this station is usually linked ...   | 243.7                |                    |
| Goteborg ...          | Sweden ...       | 7 G 1                 | Run by the Soviet Government ...   | 312.8                |                    |
| Graz ...              | Austria ...      | 7 H 3                 | Name sounds like "Zhorteborg." "Good-night" given as "Godnatt" ...   | 318.8                |                    |
| Grenoble ...          | France ...       | 6 F 3                 | "Halo! Radio Graz" Letter K in Morse (- - -) is sometimes given in intervals; and also ticks of metronome, 200 per min. Announces as "Region des Alpes à Grenoble" ... | 338.6<br>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 Königsberg ...  | 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                |                    |
| Königsberg            | Germany ...      | 7 J 2                 | Linked with Heilsberg and Danzig ...   | 222.6                |                    |
| König 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                 |                    |

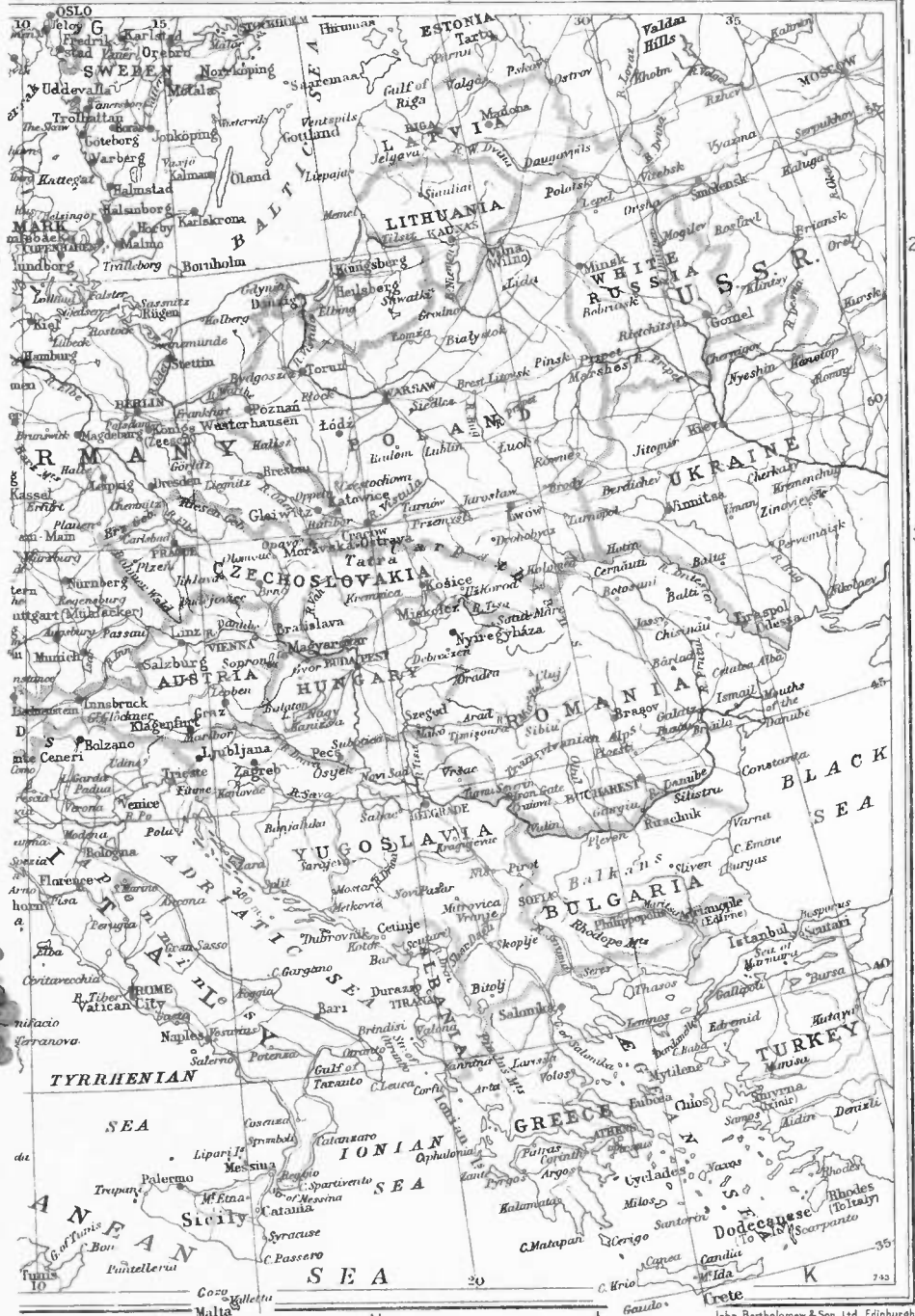
# THE "CONCERTS" OF EUROPE, continued.

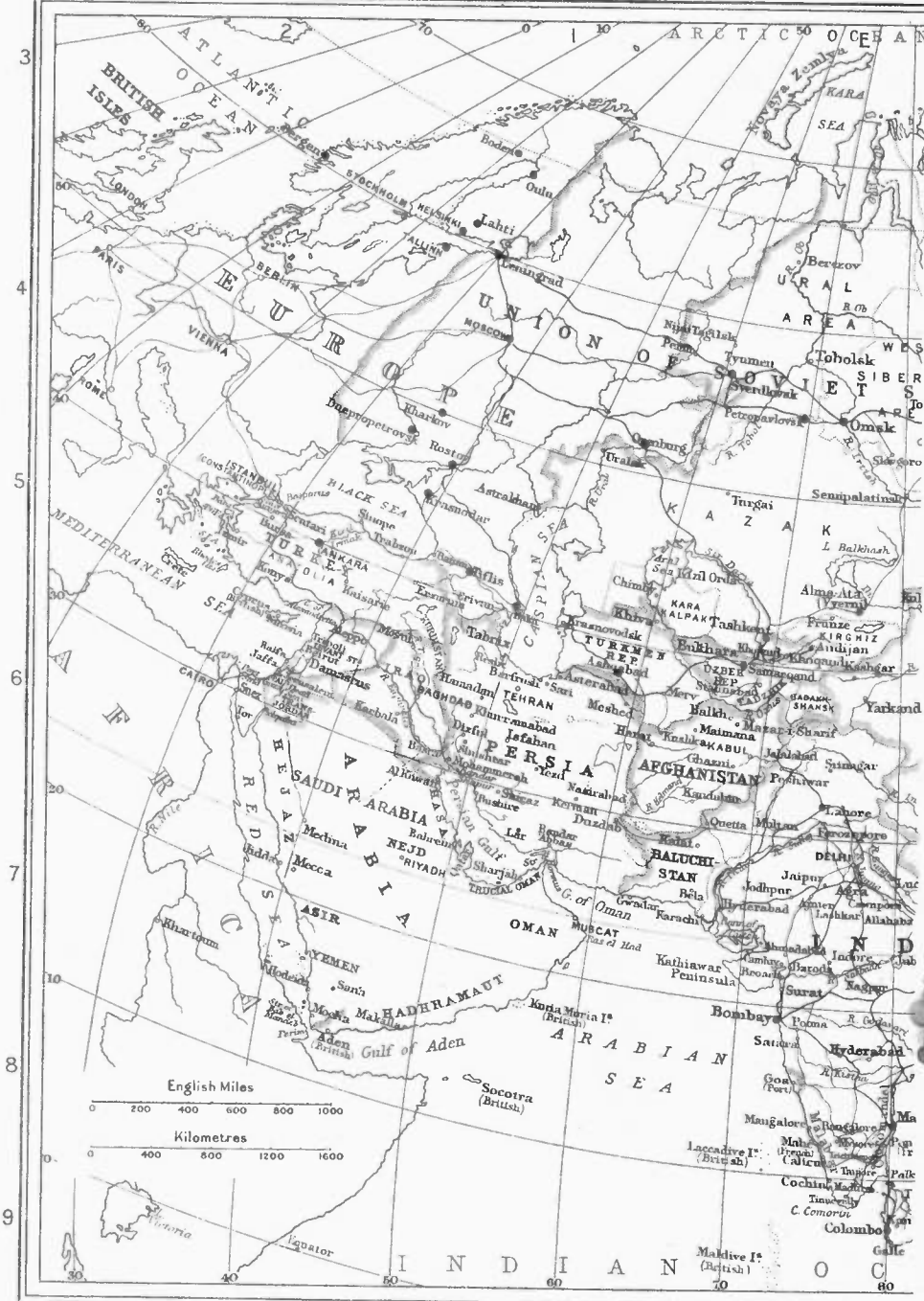
| Name of Station  | Country         | Page No. and Map Ref. | Station Information                          | Wave-length (metres) | Your Dial Readings |
|------------------|-----------------|-----------------------|--|----------------------|--------------------|
| Langenberg ...   | Germany ...     | 6 F 2                 | Announces as "Westdeutscher Rundfunk"        | 455.9                |                    |
| Leipzig ...      | Germany ...     | 7 G 2                 | Sometimes uses Metronome in the intervals.   |                      |                    |
| Leningrad I ...  | U.S.S.R. ...    | 8 B 3                 | Usually commences prog. at 5.15 a.m. ...     | 382.2                |                    |
| Leningrad II ... | U.S.S.R. ...    | " "                   | Sometimes announces in English. Occa-        |                      |                    |
| Lille ...        | France ...      | 6 E 2                 | sionally uses cuckoo interval signal ...     | 1224                 |                    |
| Limoges ...      | France ...      | 6 E 3                 | Low powered Relay ...                        | 288.6                |                    |
| Linz ...         | Austria ...     | 7 G 3                 | Call " Ici Radio PTT Lille. ... Closes down  |                      |                    |
| Liabon ...       | Portugal ...    | 6 C 5                 | with air played on musical box ...           | 247.3                |                    |
| Ljubljana ...    | Yugoslavia ...  | 7 G 3                 | Relays Paris, Ecole Superieure ...           | 328.6                |                    |
| Lodz ...         | Poland ...      | 7 H 2                 | Relays Vienna ...                            | 231.8                |                    |
| London National  | Gt. Britain ... | 6 D 2                 | Call CT/IAA. Tues. and Fri. 9.30 p.m. to     |                      |                    |
| London Regional  | Gt. Britain ... | " "                   | midnight ...                                 | 31.25                |                    |
| Luxembourg ...   | Luxembourg ...  | 6 F 3                 | Man announces: "Hallo, Radio Ljubljana"      |                      |                    |
| Lwow ...         | Poland ...      | 7 J 3                 | Interval signal, cuckoo ...                  | 569.3                |                    |
| Lyons ...        | France ...      | 6 E 3                 | Relays Warsaw ...                            | 222.6                |                    |
| Madona ...       | Latvia ...      | 7 K 1                 | One of the Twin-wave high power stations at  |                      |                    |
| Madrid I ...     | Spain ...       | 6 D 4                 | Brookmans Park ...                           | 261.1                |                    |
| Madrid II ...    | Spain ...       | " "                   | Do. Alternative prog. for London area        | 342.1                |                    |
| Madrid ...       | Spain ...       | " "                   | Sponsored programmes. Man and Woman          |                      |                    |
| Madrid ...       | Spain ...       | " "                   | announcers ...                               | 240.2                |                    |
| Magyarovar ...   | Hungary ...     | 7 H 3                 | Name pronounced like "Lvooof." Uses          |                      |                    |
| Marseilles ...   | France ...      | 6 F 4                 | Metronome and a clock gong. Man and          |                      |                    |
| Midland Regional | Gt. Britain ... | 6 D 2                 | woman announcers ...                         | 377.4                |                    |
| Milan I ...      | Italy ...       | 6 F 3                 | Announces as "Radio Lyon" or " Ici Radio     |                      |                    |
| Milan II ...     | Italy ...       | " "                   | Lyon ...                                     | 463                  |                    |
| Minsk ...        | U.S.S.R. ...    | 7 K 2                 | Relays Riga ...                              | 514.6                |                    |
| Miskolcz ...     | Hungary ...     | 7 J 3                 | New station, not yet in action ...           | 1639                 |                    |
| Monte Ceneri ... | Switzerland ... | 6 F 3                 | Fond of operatic programme. Usually closes   |                      |                    |
| Montpellier ...  | France ...      | 6 E 4                 | down with the words "Hasta Manana"           | 293.5                |                    |
| Moravska-Ostrava | Czecho Slovakia | 7 H 3                 | Call EAQ Daily 11 p.m.—1 a.m. ...            | 30                   |                    |
| Moscow I ...     | U.S.S.R. ...    | 7 M 1                 | Call EAR 110. Tues. and Sats. at 10.30 p.m.  | 43                   |                    |
| Moscow II ...    | U.S.S.R. ...    | " "                   | New low power relay ...                      | 208.6                |                    |
| Moscow III ...   | U.S.S.R. ...    | " "                   | Frequently relays Paris. Closes down:        |                      |                    |
| Moscow IV ...    | U.S.S.R. ...    | " "                   | "Bonsoir Mesdames, Mesdemoiselles,           |                      |                    |
| Moscow ...       | U.S.S.R. ...    | " "                   | Messiers ...                                 | 400.5                |                    |
| Motala ...       | Sweden ...      | 7 H 1                 | Originally called 5GB. Situated at Daven-    |                      |                    |
| Muhlacker ...    | Germany ...     | 6 G 3                 | try. New station to replace it now being     |                      |                    |
| Munich ...       | Germany ...     | 7 G 3                 | built at Droitwich ...                       | 391.1                |                    |
| Murmansk ...     | U.S.S.R. ...    | " "                   | "Milano." See Genoa ...                      | 368.6                |                    |
| Naples ...       | Italy ...       | 7 G 4                 | Known as the Vigentono station ...           | 222.6                |                    |
| Newcastle ...    | Gt. Britain ... | 6 D 2                 | Also known as "Minsk Koloditschi"            | 1442                 |                    |
|                  |                 |                       | Usually works in conjunction with Mag-       |                      |                    |
|                  |                 |                       | yarovar ...                                  | 208.6                |                    |
|                  |                 |                       | Station for the Italian-speaking Switzerland | 257.1                |                    |
|                  |                 |                       | Low powered station ...                      | 224                  |                    |
|                  |                 |                       | Many languages are used, including Czech,    |                      |                    |
|                  |                 |                       | Slovak, German and French. Closes            |                      |                    |
|                  |                 |                       | down with "Radiojournal Moravska-            |                      |                    |
|                  |                 |                       | Ostrava, Dobrou Noc" (Goodnight) ...         | 259.1                |                    |
|                  |                 |                       | The most powerful broadcasting station in    |                      |                    |
|                  |                 |                       | Europe. Occasional talks in English ...      | 1714                 |                    |
|                  |                 |                       | Run by the Soviet Government for educa-      |                      |                    |
|                  |                 |                       | tional purposes ...                          | 1107                 |                    |
|                  |                 |                       | Do. do. do. ...                              | 748                  |                    |
|                  |                 |                       | Do. do. do. ...                              | 360.6                |                    |
|                  |                 |                       | Call RW72 ...                                | 45.38                |                    |
|                  |                 |                       | "RW59 (Relays Moscow Trades Union)           | 50.                  |                    |
|                  |                 |                       | Relays the Stockholm programme. Closes       |                      |                    |
|                  |                 |                       | down with "Godnatt, Godnatt" (Good-          |                      |                    |
|                  |                 |                       | night, Goodnight) ...                        | 1389                 |                    |
|                  |                 |                       | This was the station formerly placed just    |                      |                    |
|                  |                 |                       | above London Regional's wavelength ...       | 522.6                |                    |
|                  |                 |                       | The name is pronounced "Munchen"             | 405.4                |                    |
|                  |                 |                       | New Soviet station, on rather low power ...  | 491.8                |                    |
|                  |                 |                       | Pronounces names as "Napoli." Relays         |                      |                    |
|                  |                 |                       | the Rome programme so is generally           |                      |                    |
|                  |                 |                       | announced as "Roma-Napoli" ...               | 271.7                |                    |
|                  |                 |                       | Originates own programme about one even-     |                      |                    |
|                  |                 |                       | ing a week, but usually takes the North      |                      |                    |
|                  |                 |                       | Regional ...                                 | 267.4                |                    |
|                  |                 |                       |  | 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                |                    |
| Odesa ...                | 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                  |                    |
| Ouhkta ...               | 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 Paris ... | France ...      | 6 E 3                  | Daily, 5.15—11 p.m. 3—5 a.m. ....   | 25.63                |                    |
| Radio Colonial Paris ... | France ...      | " "                    | " 5.15—11 p.m. ....   | 25.25                |                    |
| Radio Colonial Paris ... | 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 "Marseillaise" 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 2RO. 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                |                    |



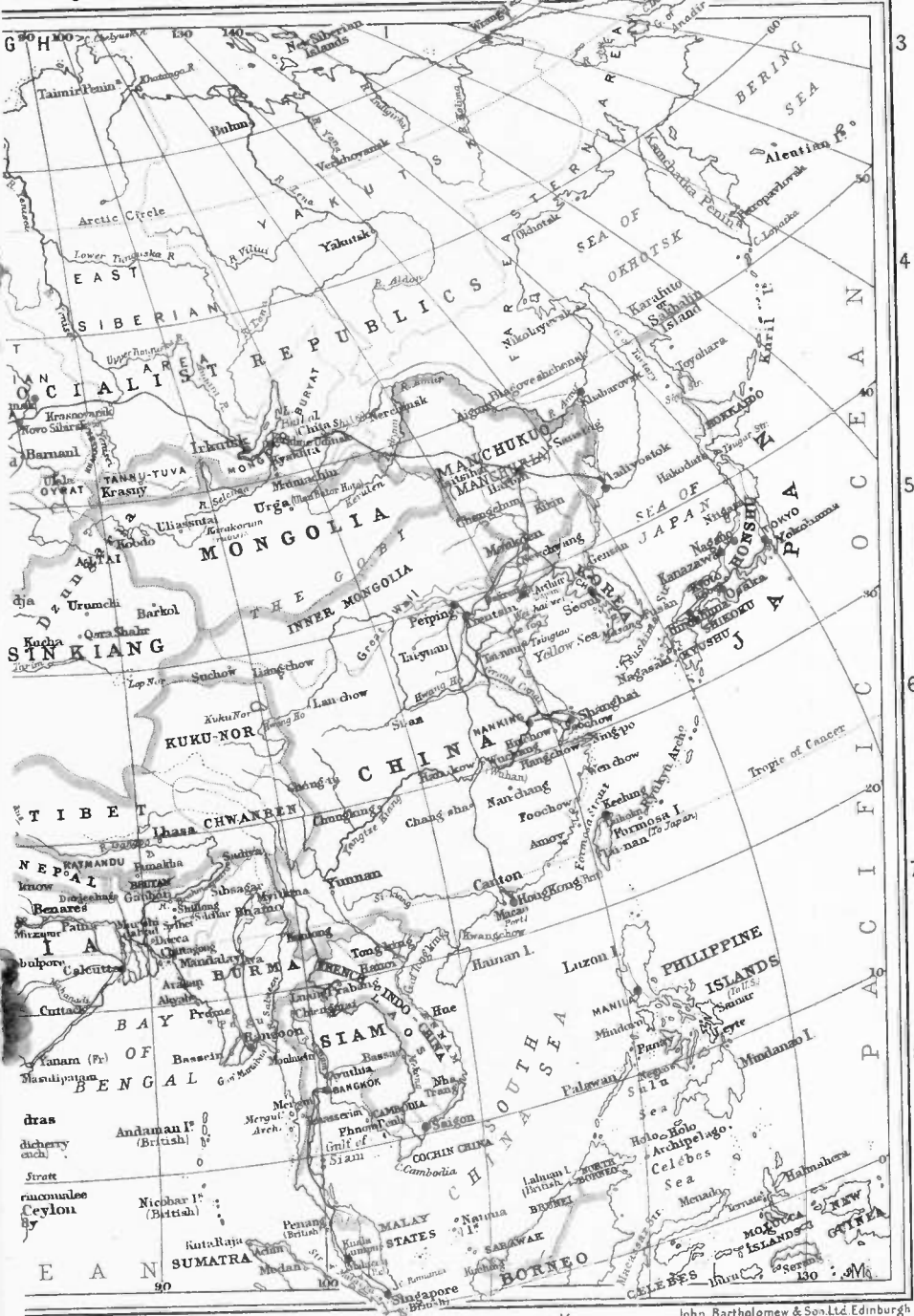




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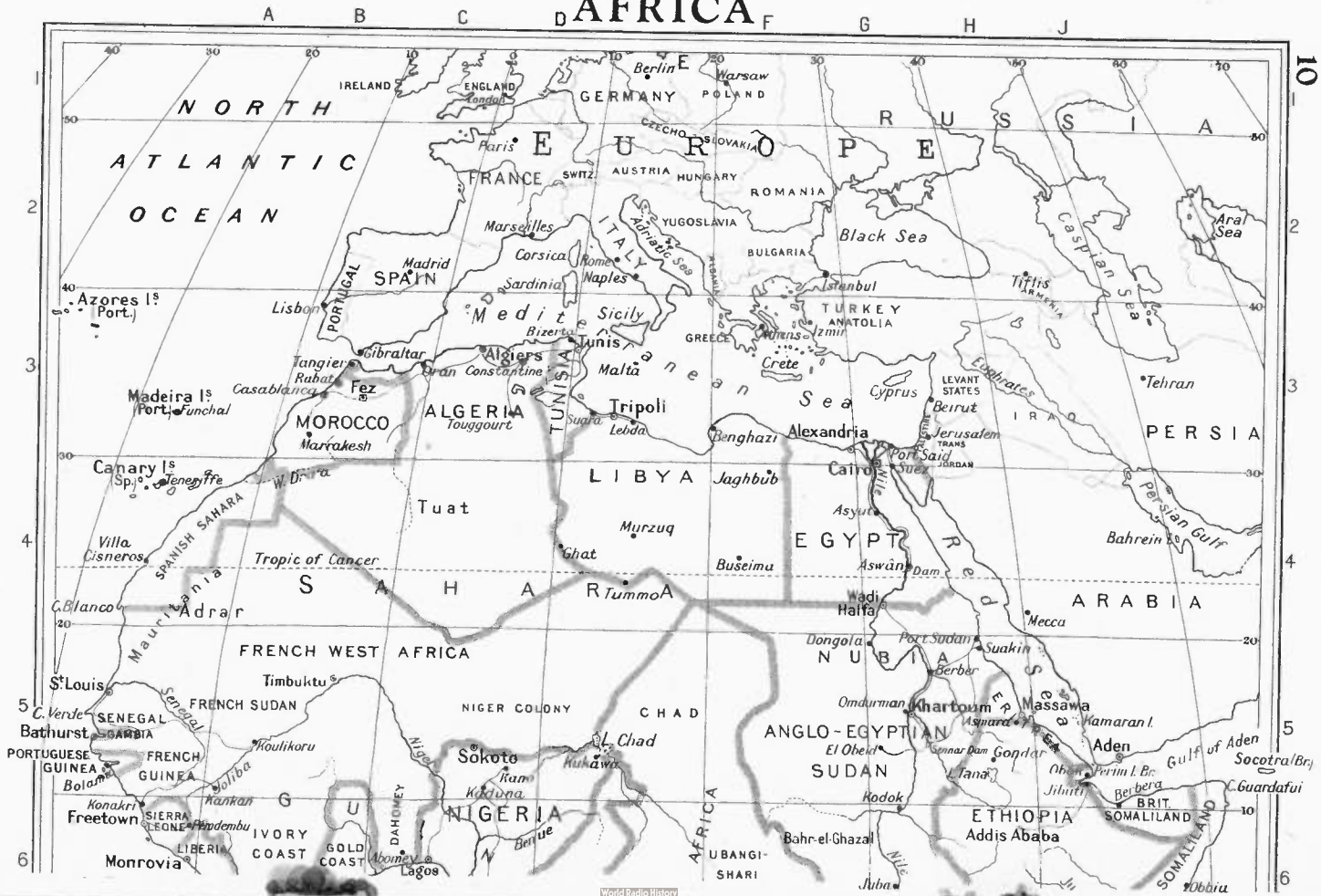
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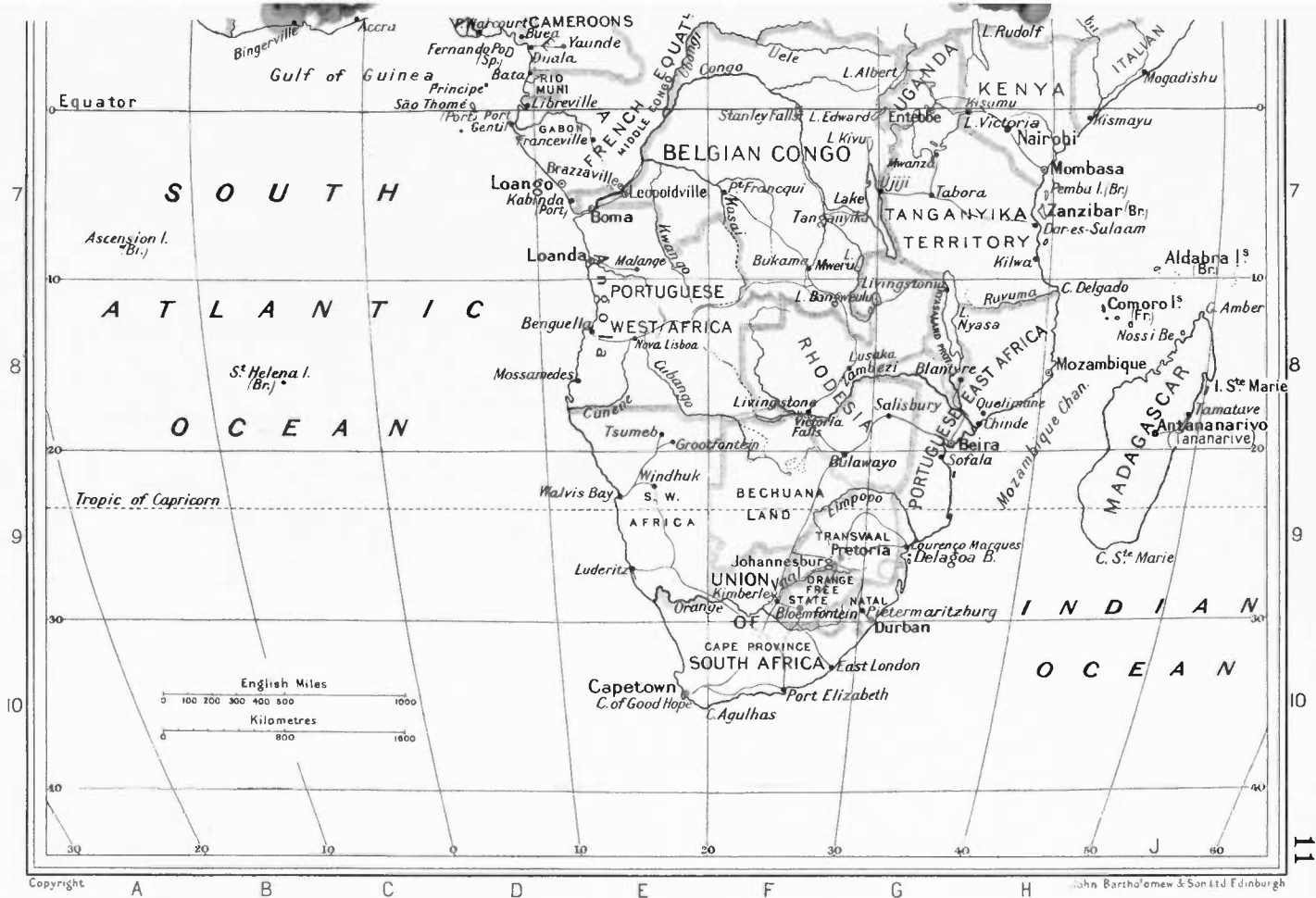




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# AFRICA



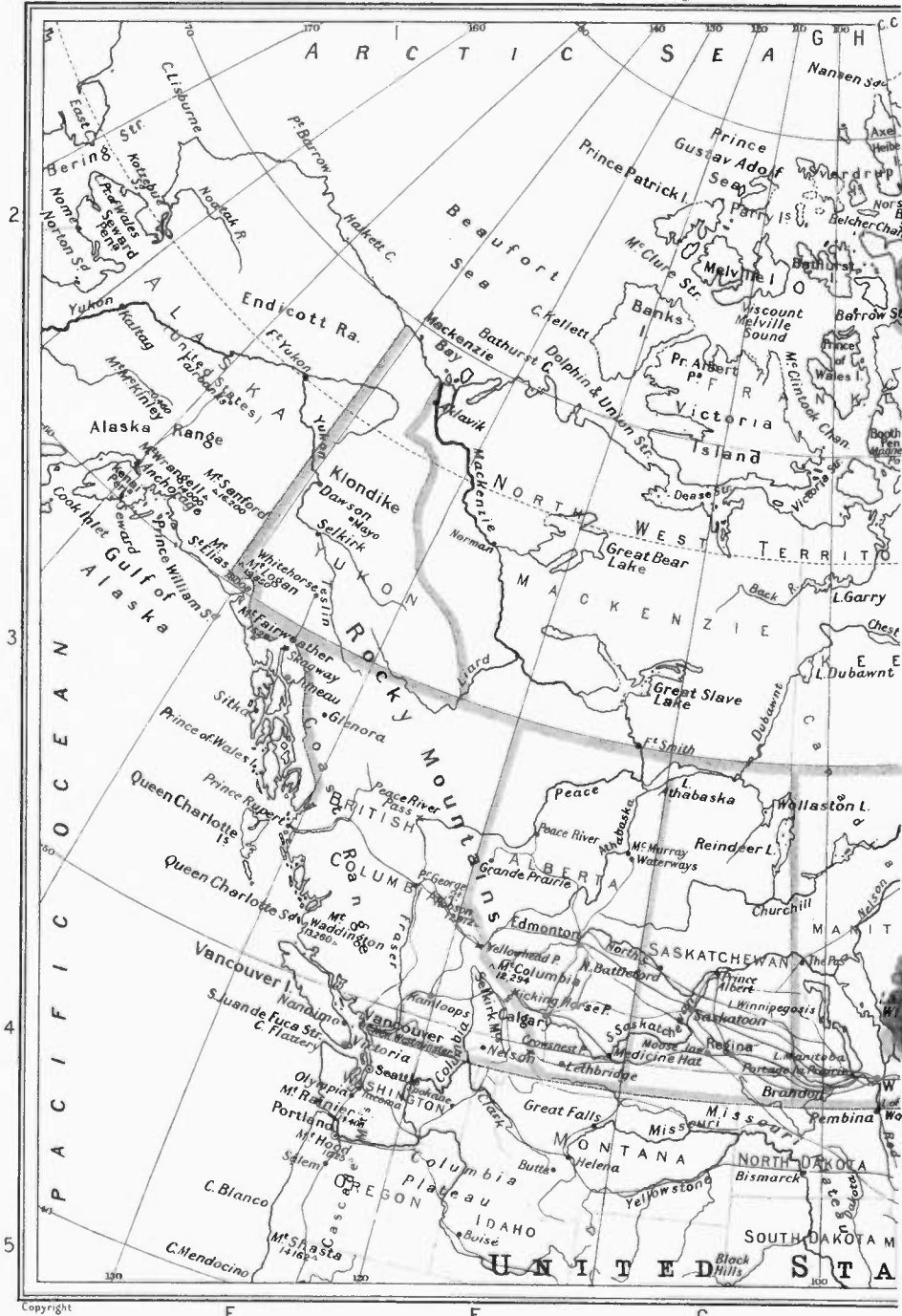


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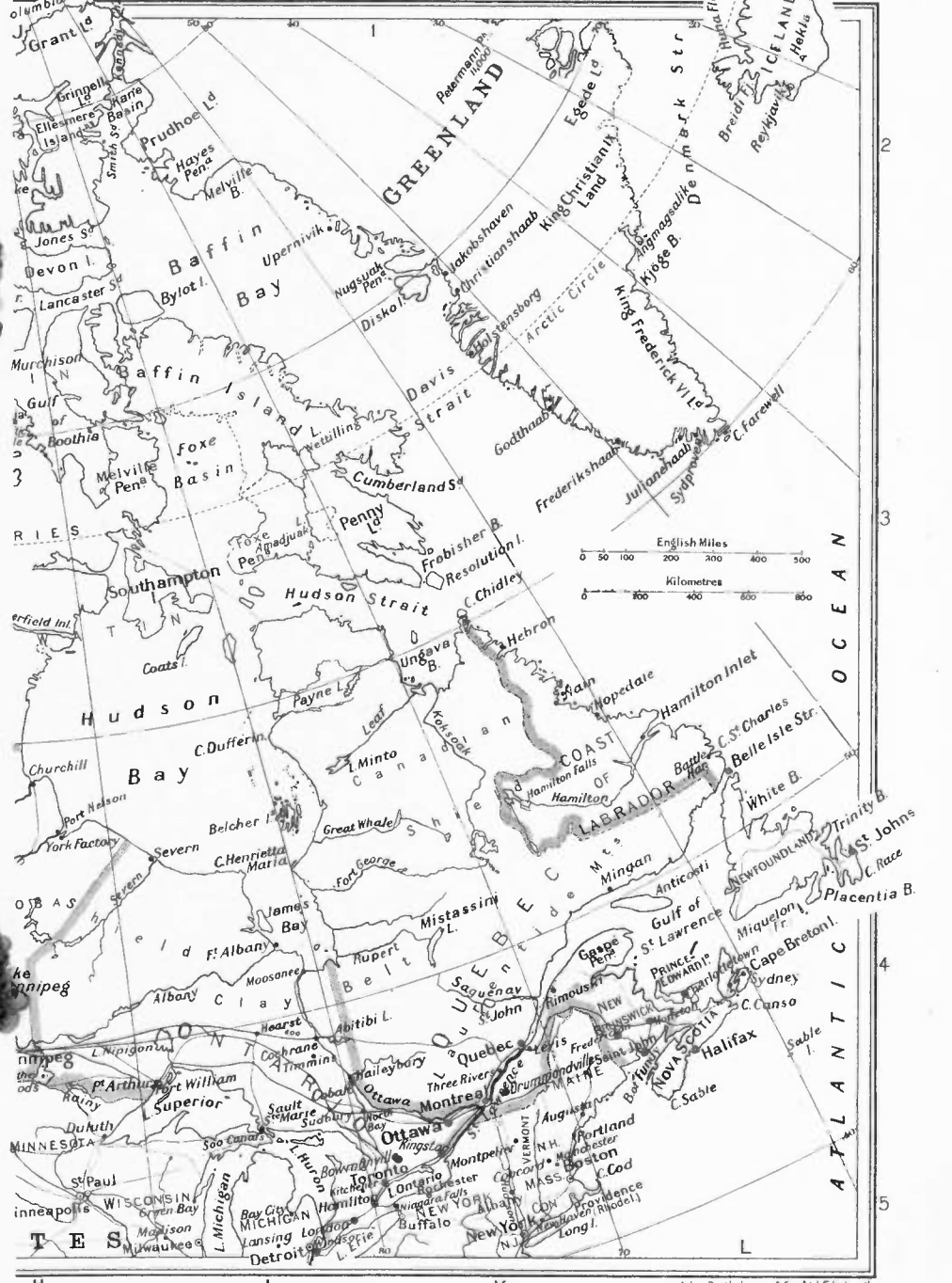


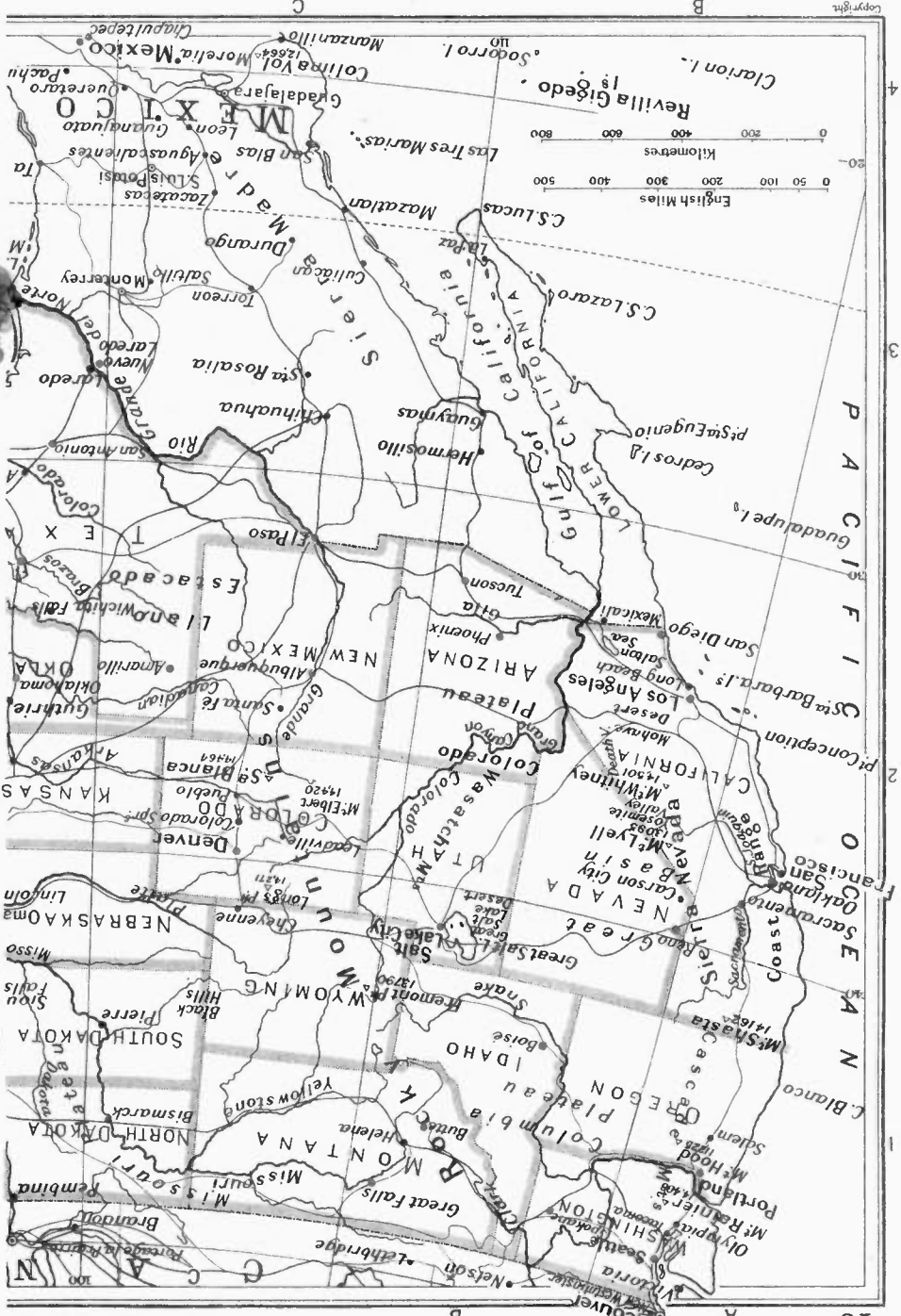
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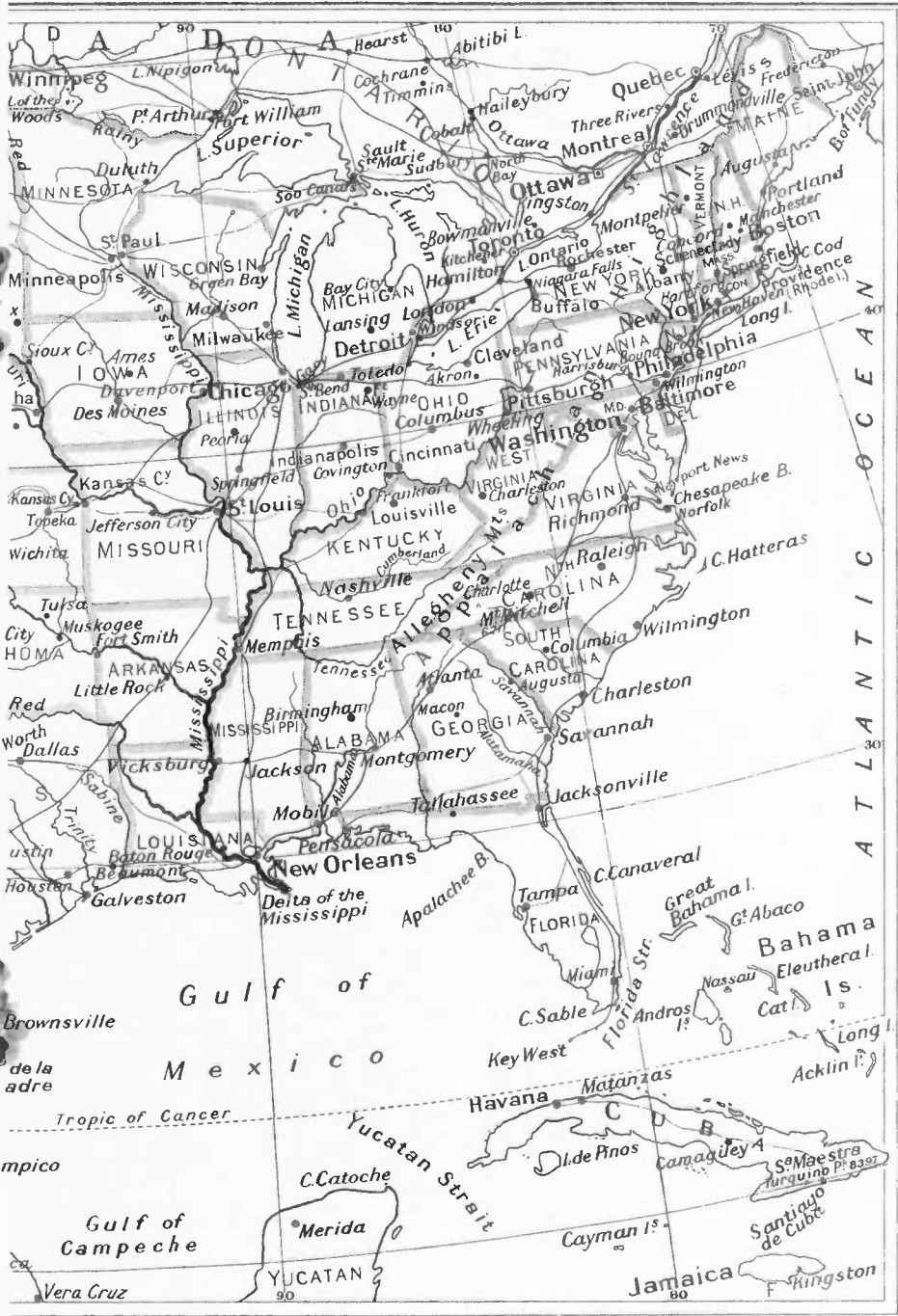
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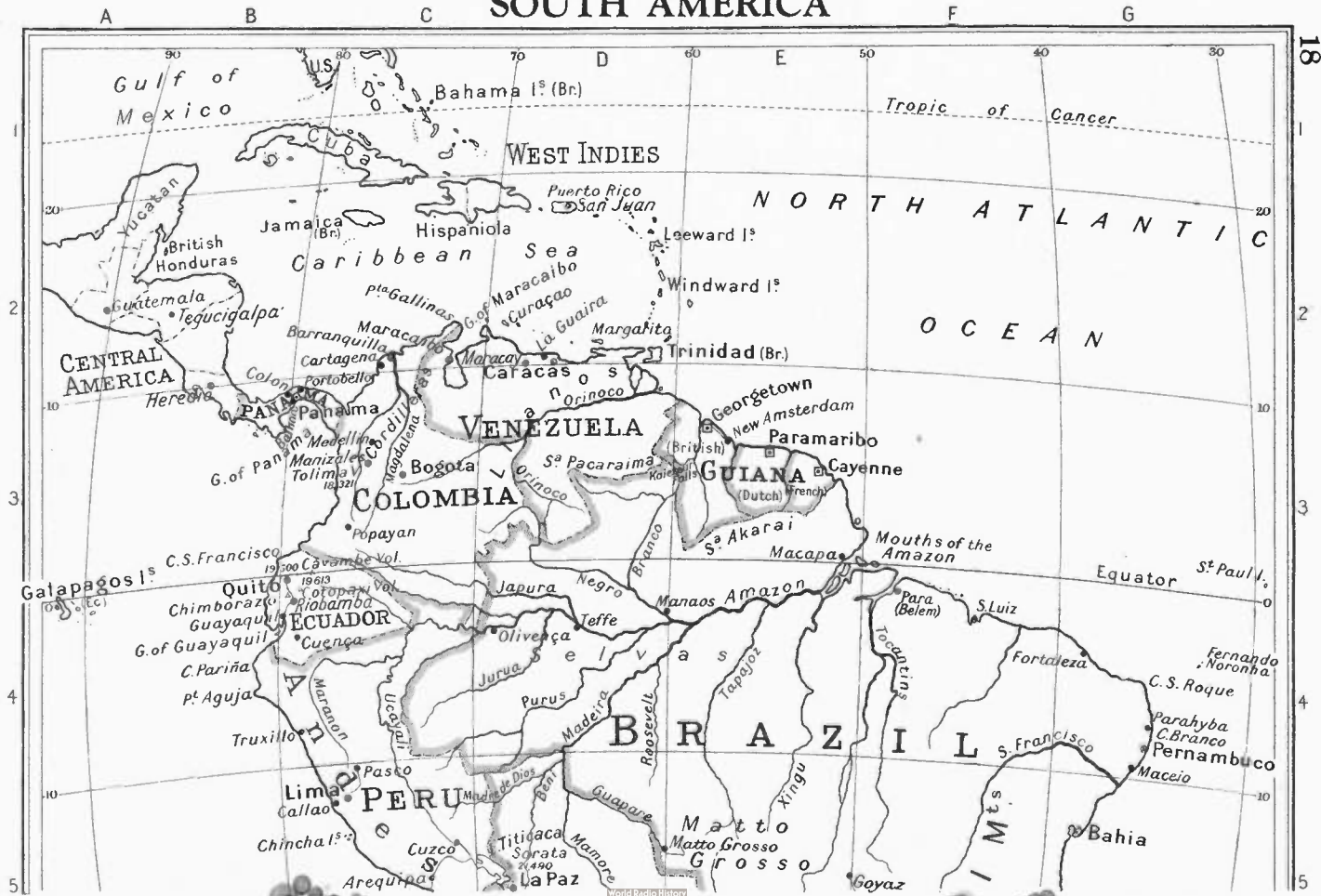


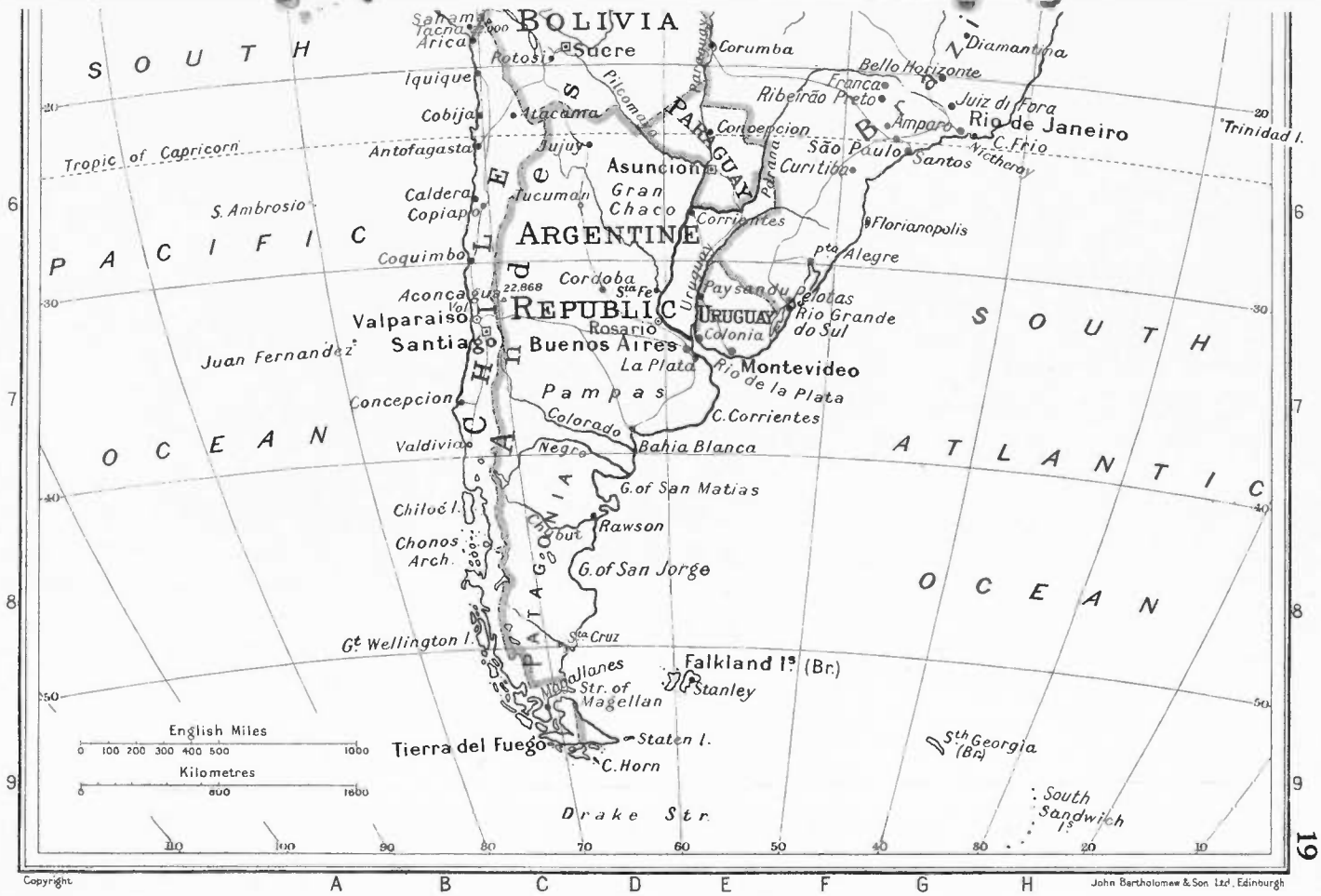






# SOUTH AMERICA





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## 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                |                    |
| Skamlebaek ... ..          | Denmark ... ..     | 7 G 1                 | Relays Copenhagen 6-11 p.m. ... ..   | 49.4                 |                    |
| Skamlebaek ... ..          | 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                |                    |
| Tirapol ... ..             | 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 ... ..     | " 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                  |                        |
| Ballarut ...      | 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 E10                | 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                   |                        |
| Chekiang ...      | 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                   |                        |
| Cienfuegos ...    | 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                 |                        |
| Colonia ...       | 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                   |                        |
| "                  | "                      | "                     | "                         | 49.1                  |                        |
| Hamilton ...       | Canada ...             | 15 K 4                | 5 hours slow              | 341                   |                        |
| Hamilton ...       | New Zealand ...        | —                     | 1 1/2 hours fast          | 476                   |                        |
| Harbin ...         | China ...              | 9 L 4                 | 8 hours fast              | 445                   |                        |
| Hastings ...       | New Zealand ...        | —                     | 1 1/2 hours fast          | 225                   |                        |
| Havana ...         | Cuba ...               | 17 E 3                | 5 hours slow              | 500                   |                        |
| "                  | "                      | "                     | "                         | 315                   |                        |
| Hiroshima ...      | Japan ...              | 9 M 5                 | 9 hours fast              | 353                   |                        |
| Hobart ...         | Australia ...          | 13 D 5                | 10 hours fast             | 517                   |                        |
| Honolulu ...       | U.S.A. ...             | —                     | 10 hours slow             | 319                   |                        |
| Hong Kong ...      | China ...              | 9 K 6                 | 8 hours fast              | 355                   |                        |
| Imeni Popova ...   | U.S.S.R. ...           | —                     | 2 hours fast              | 1115                  |                        |
| Invercargill ...   | New Zealand ...        | 13 F 5                | 1 1/2 hours fast          | 258                   |                        |
| Iroquois Falls ... | Canada ...             | —                     | 5 hours slow              | 500                   |                        |
| Johannesburg ...   | South Africa ...       | 11 F 9                | 2 hours fast              | 447.5                 |                        |
| "                  | "                      | "                     | "                         | 49                    |                        |
| Kamloops ...       | Canada ...             | 14 E 3                | 8 hours slow              | 268                   |                        |
| Kanazawa ...       | Japan ...              | 9 M 5                 | 9 hours fast              | 423                   |                        |
| Ketchikan ...      | Alaska ...             | —                     | 8 hours slow              | 333                   |                        |
| Khabarovsk ...     | U.S.S.R. ...           | 9 M 4                 | 2 hours fast              | 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                  |                        |
| "                  | "                      | "                     | "                         | 1100                  |                        |
| Lethbridge ...     | Canada ...             | 14 F 4                | 8 hours slow              | 268                   |                        |
| Lima ...           | Peru ...               | 18 C 5                | 5 hours slow              | 380                   |                        |
| London ...         | Canada ...             | 15 J 4                | 5 hours slow              | 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 ...      | " ..                  | 3½ hours slow ...         | 212                   |                        |
| Moncton ...          | Canada ...       | 15 L 4                | 4 hours slow ...          | 476                   |                        |
| Monte Carlo ...      | Uruguay ...      | " ..                  | 3½ hours slow ...         | 322                   |                        |
| Monte Video ...      | Uruguay ...      | 19 E 7                | 3½ hours slow ...         | 201                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 309                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 411                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 462                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 411                   |                        |
| Montreal ...         | Canada ...       | 15 K 4                | 5 hours slow ...          | 49.96                 |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 500                   |                        |
| Moosejaw ...         | Canada ...       | 14 G 3                | 7 hours slow ...          | 245                   |                        |
| Moss Vale ...        | Australia ...    | 13 E 4                | 10 hours fast ...         | 205                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 205                   |                        |
| Mukden ...           | Manchukuo ...    | 9 L 4                 | 8 hours fast ...          | 410                   |                        |
| Nacional ...         | Uruguay ...      | " ..                  | 3½ hours slow ...         | 265                   |                        |
| Nagoya ...           | Japan ...        | " ..                  | 9 hours fast ...          | 370.3                 |                        |
| Nairobi ...          | Kenya Colony     | 11 G 7                | 2 hours fast ...          | 400                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 49.5                  |                        |
| Napier ...           | New Zealand ...  | 13 G 4                | 11½ hours fast ...        | 238                   |                        |
| Nashville, Tenn. ... | U.S.A. ...       | 17 E 2                | 6 hours slow ...          | 461.4                 |                        |
| Newcastle ...        | Australia ...    | 13 E 4                | 10 hours fast ...         | 270                   |                        |
| New Plymouth ...     | New Zealand ...  | 13 G 4                | 11½ 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 ...  | " ..                  | 11½ 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 ...      | " ..                  | 3½ hours slow ...         | 238                   |                        |
| Porto Alegre ...     | Brazil ...       | 19 E 6                | 3 hours slow ...          | 275                   |                        |
| Prescott ...         | Canada ...       | " ..                  | 5 hours slow ...          | 297                   |                        |
| Preston ...          | Canada ...       | " ..                  | 5 hours slow ...          | 248                   |                        |
| Pretoria ...         | South Africa ... | 11 F 9                | 2 hours fast ...          | 315                   |                        |
| Quebec ...           | Canada ...       | 15 K 4                | 5 hours slow ...          | 341                   |                        |
| Radio Electrica      | Uruguay ...      | " ..                  | 3½ hours slow ...         | 353                   |                        |
| Rangoon ...          | Burma ...        | 9 H 7                 | 6½ hours fast ...         | 350                   |                        |
| Regina ...           | Canada ...       | 14 G 3                | 7 hours slow ...          | 312.3                 |                        |
| Ribeirao Preto ...   | Brazil ...       | 19 E 6                | 3 hours slow ...          | 260                   |                        |
| Richmond, Va. ...    | U.S.A. ...       | 17 F 2                | 5 hours slow ...          | 270.1                 |                        |
| Rio de Janeiro ...   | Brazil ...       | 19 F 6                | 3 hours slow ...          | 400                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 360                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 320                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 260                   |                        |
| " ..                 | " ..             | " ..                  | " ..                      | 220                   |                        |
| Seigon ...           | 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. Johns ...             | Newfoundland       | 15 M 4                | 3½ hours slow             | 545                   |                        |
| St. Louis, Mo. ...        | U.S.A. ...         | 17 D 2                | 6 hours slow              | 444                   |                        |
| St. Paul, Minn. ...       | U.S.A. ...         | 17 D 1                | 6 hours slow              | 275.1                 |                        |
| Saladeng ...              | Siam ...           | ...                   | 7 hours fast              | 205.4                 |                        |
| Samarkand ...             | U.S.S.R. ...       | 8 E 5                 | 2 hours fast              | 320                   |                        |
| San Antonio, Tex. ...     | U.S.A. ...         | 16 D 3                | 7 hours slow              | 875                   |                        |
| San Francisco ...         | U.S.A. ...         | 16 A 2                | 8 hours slow              | 252                   |                        |
| San Juan ...              | Porto Rico ...     | 18 D 2                | 4 hours slow              | 440.9                 |                        |
| Santiago de Cuba ...      | Cuba ...           | 17 F 4                | 5 hours slow              | 379.5                 |                        |
| "                         | "                  | "                     | "                         | 337                   |                        |
| "                         | "                  | "                     | "                         | 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                 |                        |
| Sydney ...                | Canada ...         | "                     | 4 hours slow              | 31.35                 |                        |
| Sydney ...                | Australia ...      | 13 E 4                | 10 hours fast             | 341                   |                        |
| "                         | "                  | "                     | "                         | 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                 |                        |
| Trifalgar ...             | Australia ...      | 13 D 4                | 10 hours fast             | 234                   |                        |
| Uruguay ...               | Uruguay ...        | "                     | 31 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              | 40.02                 |                        |
| "                         | "                  | "                     | "                         | 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                  |                        |
| Yorkton ...               | Canada ...         | "                     | 7 hours slow              | 476                   |                        |
| Zion ...                  | U.S.A. ...         | "                     | 6 hours slow              | 278                   |                        |