

# Broadcasting Stations of the World

Long-, Medium- and Short-  
wave Stations in Order of  
Frequency

Geographical Lists of  
Long-, Medium- and Short-  
wave Stations

Frequencies and Powers  
Used by over 1,000 Stations

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Compiled by  
**Wireless World**

ILIFFE & SONS, LTD.  
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# INTRODUCTION

POST-WAR disorganization of broadcasting has complicated the task of preparing this booklet, but the information given has been compiled from the best available sources, with (wherever possible) verification by the administrations concerned.

The list of long- and medium-wave stations does not necessarily conform to the Lucerne Plan, introduced in 1934 and still operative, but gives the frequencies at present employed by stations in the European Zone, which, for the purpose of frequency allocations, is bounded on the North and West by the natural limits of Europe, on the East by the meridian 40° E and on the South by the parallel 30° N.

In the case of the short-wave transmitters, the list includes both the frequencies at present employed by stations and those allocated to them although not necessarily in use at the time of the preparation of the data.

Stations known to have a power of less than one kilowatt have not been included in the lists.

*The Editor,*  
"Wireless World"

Dorset House,  
London, S.E.1.

# Long- and Medium-wave European Stations

kc/s	Metres	kW	Station	Dial Reading
152	1,974	100	Berlin (Germany : U.S.S.R. Zone)	.....
153	1,961	—	Moscow (U.S.S.R.)	.....
160	1,875	150	Lahti (Finland)	.....
167	1,796	200	Ottringham, Yorks. (Gt. Brit.)	.....
172	1,744	500	Moscow I (U.S.S.R.)	.....
182	1,648	120	Ankara (Turkey)	.....
191	1,571	10	Prague (Czechoslovakia)	.....
200	1,500	150	Droitwich, Worcs. (Gt. Brit.)	.....
208	1,442	100	Leningrad (U.S.S.R.)	.....
216	1,389	150	Motala (Sweden)	.....
232	1,293	150	Luxembourg	.....
232	1,293	100	Moscow II (U.S.S.R.)	.....
240	1,250	60	Kalundborg (Denmark)	.....
248	1,209	120	Kiev I (U.S.S.R.)	.....
253	1,186	10	Bodö (Norway)	.....
260	1,154	60	Oslo (Norway)	.....
260	1,154	20	Bergen I (Norway)	.....
269.5	1,113	60	Prague II (Czechoslovakia)	.....
271	1,107	100	Reykjavik (Iceland)	.....
282	1,064	20	Vigra (Norway)	.....
283	1,060	35	Moscow (U.S.S.R.)	.....
292	1,027.4	10	Tromsö (Norway)	.....
296	1,014	1	Katowitz (Poland)	.....
347	864.6	1	Finnmark (Norway)	.....
355	845	1	Bergen II (Norway)	.....
385	779.2	10	Kharkov (U.S.S.R.)	.....
392	765.3	10	Luleå (Sweden)	.....
433	693	10	Oulu (Finland)	.....
519	578	6	Vorarlberg (Austria : French Zone)	.....
519	578	2	Innsbruck (Austria : French Zone)	.....
519	578	1	Hamar (Norway)	.....
527	569	20	Kuopio (Finland)	.....
530	566	20	Plzen (Czechoslovakia)	.....
536	559.7	—	Vlino (Lithuania)	.....

kc/s	Metres	kW	Station	Dial Reading	kc/s	Metres	kW	Station	Dial Reading
546	549.5	—	Budapest (Hungary)	.....	776	386.6	10	Paris II (France)	.....
556	539.5	100	Beromunster (Switzerland)	.....	776	386.6	10	Stalino (U.S.S.R.)	.....
565	531	100	Athlone (Eire)	.....	785	382.2	100	Leipzig (Germany : U.S.S.R. Zone)	.....
574	522.6	100	Stuttgart (Germany : U.S. Zone)	.....	795	377.4	7.5	Barcelona (Spain)	.....
583	514.6	25	Droitwich, Worcs. (Gt. Brit.)	.....	795	377.4	—	Jerusalem (Palestine)	.....
583	514.6	—	Riga (Latvia)	.....	804	373.1	60	Washford, Som. (Gt. Brit.)	.....
592	506.8	10	Vienna II (Austria : U.S.S.R. Zone)	.....	804	373.1	10	Penmon, Wales (Gt. Brit.)	.....
601	499.2	20	Rabat (Morocco)	.....	804	373.1	1	Wrexham, Wales (Gt. Brit.)	.....
601	499.2	15	Athens (Greece)	.....	804	373.1	—	Salonika (Greece)	.....
601	499.2	10	Sundsvaal (Sweden)	.....	814	368.6	50	Milan (Italy)	.....
610	492	—	Berlin (Germany : U.S. Zone)	.....	821	365.5	—	Madrid (Spain)	.....
615	487.8	1	Eidar (Iceland)	.....	823	364.5	60	Tunis (Tunisia)	.....
620	483.9	20	Brussels I (Belgium)	.....	832	360.6	35	Kiev II (U.S.S.R.)	.....
620	483.9	—	Cairo I (Egypt)	.....	832	360.6	20	Trondheim (Norway)	.....
629	476.9	20	Kristiansand (Norway)	.....	832	360.6	10	Quimper-Quimerch (France)	.....
629	476.9	20	Lisbon (Portugal)	.....	833	360	—	Benghazi (Cyrenaica)	.....
638	470.2	120	Prague I (Czechoslovakia)	.....	841	356.7	—	Berlin (Germany : U.S.S.R. Zone)	.....
648	463	100	Limoges-Nieul I (France)	.....	850	352.9	100	Stavanger (Norway)	.....
658	455.9	100	Norden (Germany : British Zone)	.....	850	352.9	20	Madrid (Spain)	.....
668	449.1	100	Moorside Edge, Yorks. (Gt. Brit.)	.....	850	352.9	—	Sofia (Bulgaria)	.....
668	449.1	20	Jerusalem (Palestine)	.....	859	349.2	10	Strasbourg-Brumath (France)	.....
677	443.1	100	Sottens (Switzerland)	.....	868	345.6	10	Brussels IV (Belgium)	.....
695	431.7	100	Paris I (France)	.....	868	345.6	1	Poznan (Poland)	.....
704	426.1	60	Andorra	.....	877	342.1	100	Brookmans Park, London (Gt. Brit.)	.....
704	426.1	55	Stockholm (Sweden)	.....	886	338	100	Alpenland (Austria : British Zone)	.....
704	426.1	—	Leipzig (Germany : U.S.S.R. Zone)	.....	895	335.2	40	Turku (Finland)	.....
713	420.8	—	Rome (Italy)	.....	895	335.2	20	Lyon-Tramoyes (France)	.....
722	415.5	120	Hilversum I (Holland)	.....	904	331.9	100	Hamburg (Germany : British Zone)	.....
731	410.4	10	Monte Carlo (Monaco)	.....	913	328.6	100	Toulouse-Muret (France)	.....
731	410.4	5	Seville (Spain)	.....	913	328.6	10	Dniepropetrovsk (U.S.S.R.)	.....
740	405.4	100	Munich (Germany : U.S. Zone)	.....	913	328.6	—	Corunna (Spain)	.....
749	400.5	20	Marseilles I (France)	.....	922	325.4	11.5	Moravska Ostrava (Czechoslovakia)	.....
749	400.5	10	Vaasa (Finland)	.....	932	321.9	20	Brussels II (Belgium)	.....
758	395.8	50	Warsaw (Poland)	.....	941	318.8	12	Algiers (Algeria)	.....
758	395.8	—	Istanbul (Turkey)	.....	941	318.8	10	Goteborg (Sweden)	.....
758	395.8	—	Madrid (Spain)	.....	950	315.8	—	Breslau (Germany : U.S.S.R. Zone)	.....
767	391.1	60	Burghead, Scotland (Gt. Brit.)	.....	950	315.8	—	Cairo (Egypt)	.....
767	391.1	60	Westerglen, Scotland (Gt. Brit.)	.....	959	312.8	10	Nancy I (France)	.....
767	391.1	2.5	Aberdeen, Scotland (Gt. Brit.)	.....	961	312.2	1	Namsos (Norway)	.....

kc/s	Metres	kW	Station	Dial Reading
968	309.9	20	Pau (France)	.....
968	309.9	10	Odessa (U.S.S.R.)	.....
975	306.1	20	Vienna I (Austria : U.S.S.R. Zone)	.....
977	307.1	100	Start Point, Devon (Gt. Brit.)	.....
986	304.3	50	Genoa II (Italy)	.....
995	301.5	60	Hilversum II (Holland)	.....
1,004	298.2	30	Bratislava (Czechoslovakia)	.....
1,013	296.2	60	Droitwich, Worcs. (Gt. Brit.)	.....
1,013	296.2	1	Norwich, Norfolk (Gt. Brit.)	.....
1,022	293.5	120	Madrid (Spain)	.....
1,022	293.5	10	Cracow (Poland)	.....
1,031	291	50	Coblenz (Germany : French Zone)	.....
1,040	288.5	20	Rennes-Alma (France)	.....
1,040	288.5	10	Leningrad (U.S.S.R.)	.....
1,050	235.7	100	Stagshaw, North'd. (Gt. Brit.)	.....
1,050	285.7	100	Lisnagarvey, N. Ireland (Gt. Brit.)	.....
1,050	235.7	1	Londonderry, N. Ireland (Gt. Brit.)	.....
1,059	233.3	20	Bari (Italy)	.....
1,068	230.9	30	Lisbon (Portugal)	.....
1,068	230.9	1	Dijon-Fontaine (France)	.....
1,068	230.9	—	San Sebastian (Spain)	.....
1,077	278.6	1	Bordeaux II (France)	.....
1,080	277.8	—	Beirut (Syria)	.....
1,086	276.2	100	Falun (Sweden)	.....
1,095	274	20	Tonisheide (Germany : Brit. Zone)	.....
1,113	269.5	60	Prague II (Czechoslovakia)	.....
1,113	269.5	20	Limoges-Nieul II (France)	.....
1,113	269.5	2	Oran (Algeria)	.....
1,122	267.4	1	Alexandria (Egypt)	.....
1,122	267.4	—	Crowborough, Sussex (Gt. Brit.)	.....
1,122	267.4	—	Barcelona (Spain)	.....
1,131	265.3	100	Hörby (Sweden)	.....
1,140	263.2	30	Turin (Italy)	.....
1,149	261.1	60	Brookmans Park, London (Gt. Brit.)	.....
1,149	261.1	60	Moorside Edge, Yorks. "	.....
1,149	261.1	60	Westerglen, Scotland "	.....
1,149	261.1	20	Burghead, Scotland "	.....
1,149	261.1	10	Lisnagarvey, N. Ireland "	.....
1,149	261.1	10	Stagshaw, North'd. "	.....

kc/s	Metres	kW	Station	Dial Reading
1,149	261.1	2	Aberdeen, Scotland (Gt. Brit.)	.....
1,149	261.1	2	Redruth, Cornwall "	.....
1,149	261.1	1	Plymouth, Devon "	.....
1,149	261.1	1	Londonderry, N. Ireland "	.....
1,158	259.1	20	Brno (Czechoslovakia)	.....
1,158	259.1	10	Montbéliard (France)	.....
1,167	257.1	15	Monte Ceneri (Switzerland)	.....
1,176	255.1	10	Copenhagen (Denmark)	.....
1,185	253.2	60	Nice-La Brague (France)	.....
1,195	251.6	25	Frankfurt (Germany : U.S. Zone)	.....
1,204	249.7	10	Bayreuth (Germany : U.S. Zone)	.....
1,213	247.3	20	Lille-Camphin I (France)	.....
1,222	245.5	1	Narvik (Norway)	.....
1,222	245.5	1	Porsgrunn (Norway)	.....
1,222	245.5	2	Hoogezand (Holland)	.....
1,231	243.7	10	Gleiwitz (Poland)	.....
1,240	241.9	10	Fribourg (Germany : French Zone)	.....
1,240	241.9	5	Sigmeringen (Germany : French Zone)	.....
1,240	241.9	1	Cork (Eire)	.....
1,249	240	100	Munich (Germany : U.S. Zone)	.....
1,249	240	100	Stuttgart (Germany : U.S. Zone)	.....
1,258	238.5	1.5	Valencia (Spain)	.....
1,258	238.5	—	Genoa I (Italy)	.....
1,267	236.8	5	Salzburg (Austria : U.S. Zone)	.....
1,276	235.1	10	Fredrikstad (Norway)	.....
1,285	233.5	15	Graz (Austria : British Zone)	.....
1,285	233.5	5	Brussels III (Belgium)	.....
1,285	233.5	—	Athens (Greece)	.....
1,294	231.8	15	Linz (Austria : U.S. Zone)	.....
1,312	228.7	10	Vienna II (Austria : U.S.S.R. Zone)	.....
1,312	228.7	2.5	Malmo (Sweden)	.....
1,321	227.1	1	Clermont-Royat (France)	.....
1,330	225.6	—	Vienna II (Austria : U.S.S.R. Zone)	.....
1,330	225.6	—	Flensburg (Germany : British Zone)	.....
1,330	225.6	—	Cologne (Germany : British Zone)	.....
1,339	224	25	Lyon-Dardilly (France)	.....
1,339	224	10	Lodz (Poland)	.....
1,339	224	10	Realtort II (France)	.....
1,348	222.6	5	Johlava (Czechoslovakia)	.....

kc/s	Metres	kW	Station	Dial Reading
1,348	222.6	2	Saarbrucken (Germany : French Zone)	.....
1,348	222.6	1	Montélimar (France)	.....
1,348	222.6	1	Perpignan (France)	.....
1,348	222.6	1	Cairo II (Egypt)	.....
1,348	222.6	1	Dublin (Eire)	.....
1,348	222.6	—	Tirana (Albania)	.....
1,355	222	—	Vatican City	.....
1,366	219.6	10	Nantes-Montbert (France)	.....
1,366	219.6	—	Berlin (Germany : British Zone)	.....
1,369	219.1	5	Ces Budejovice (Czechoslovakia)	.....
1,375	218.2	2	Beek (Holland)	.....
1,384	216.8	20	Clevedon, Som. (Gt. Brit.)	.....
1,384	216.8	10	Bartley, Hants. (Gt. Brit.)	.....
1,393	215.4	40	Bordeaux-Carrère I (France)	.....
1,393	215.4	25	Nice-Antibes (France)	.....
1,393	215.4	15	Grenoble (France)	.....
1,393	215.4	10	Montpellier I (France)	.....
1,393	215.4	5	Rouen-Louvetot (France)	.....
1,393	215.4	—	Suez (Egypt)	.....
1,402	214	1	Umea (Sweden)	.....
1,402	214	1	Hudiksvall (Sweden)	.....
1,411	261.1	10	Frankfurt (Germany : U.S. Zone)	.....
1,420	211.3	10	Helsinki (Finland)	.....
1,420	211.3	1	Berlin (Germany : U.S. Zone)	.....
1,429	209.9	2	Bremen (Germany : U.S. Zone)	.....
1,429	209.9	2	Nimes (France)	.....
1,429	209.9	2	Montceau-les-Mines (France)	.....
1,429	209.9	2	Strasbourg II (France)	.....
1,456	206	1.5	Lille-Camphin II (France)	.....
1,456	206	1	Nancy II (France)	.....
1,456	206	1	Angers (France)	.....
1,456	206	1	Limoges III (France)	.....
1,456	206	1	Toulouse II (France)	.....
1,474	203.5	—	Synchronised low power Stations (Gt. Brit.)	.....
1,584	189	5	Wiesbaden (Germany : U.S. Zone)	.....

## Geographical List of Long- and Medium-wave European Stations

	kc/s	Czechoslovakia—Cont.	kc/s
<b>ALBANIA</b>		Plzen	530
Tirana	1,348	Prague	191
<b>ALGERIA</b>		"	269.5
Algiers	941	"	638
Oran	1,113	"	1,113
<b>ANDORRA</b>	704	<b>DENMARK</b>	
<b>AUSTRIA</b>		Copenhagen	1,176
(British Zone)		Kalundborg	240
Alpenland	886	<b>EGYPT</b>	
Graz	1,285	Alexandria	1,122
(French Zone)		Cairo	620
Innsbruck	519	"	950
Vorarlberg	519	"	1,348
(U.S. Zone)		Suez	1,393
Linz	1,294	<b>EIRE</b>	
Salzburg	1,267	Athlone	565
(U.S.S.R. Zone)		Cork	1,240
Vienna	592	Dublin	1,348
"	975	<b>FINLAND</b>	
"	1,312	Helsinki	1,420
"	1,330	Kuopio	527
<b>BELGIUM</b>		Lahti	160
Brussels	620	Oulu	433
"	868	Turku	895
"	932	Vaasa	749
"	1,285	<b>FRANCE</b>	
<b>BULGARIA</b>		Angers	1,456
Sofia	850	Bordeaux	1,077
<b>CYRENAICA</b>		Bordeaux-Carrère	1,393
Benghazi	833	Clermont-Royat	1,321
<b>CZECHOSLOVAKIA</b>		Dijon-Fontaine	1,068
Bratislava	1,004	Grenoble	1,393
Brno	1,158	Lille-Camphin	1,213
Ces Budejovice	1,369	" "	1,456
Johlava	1,348	Limoges	1,456
Moravska Ostrava	922	Limoges-Nieul	648

France—Cont.	kc/s
Limoges-Nieul	1,113
Lyon-Dardilly	1,339
Lyon-Tramoyes	895
Marseilles	749
Montbéliard	1,158
Montceau-les-Mines	1,429
Montélimar	1,348
Montpellier	1,393
Nancy	959
"	1,456
Nantes-Montbert	1,366
Nice-Antibes	1,393
Nice-La Brague	1,185
Nimes	1,429
Paris	695
"	776
Pau	968
Perpignan	1,348
Quimper-Quimerch	832
Realtort	1,339
Rennes-Alma	1,040
Rouen-Louvetot	1,393
Strasbourg	1,429
Strasbourg-Brumath	859
Toulouse	1,456
Toulouse-Muret	913
<b>GERMANY</b>	
(British Zone)	
Berlin	1,366
Cologne	1,330
Flensburg	1,330
Hamburg	904
Norden	658
Tonisheide	1,095
(French Zone)	
Coblenz	1,031
Fribourg	1,240
Saarbrücken	1,348
Sigmeringen	1,240
(U.S. Zone)	
Bayreuth	1,204

Germany—Cont.	kc/s
Berlin	610
"	1,420
Bremen	1,429
Frankfurt	1,195
"	1,411
Munich	740
"	1,249
Stuttgart	1,249
"	574
Wiesbaden	1,584
(U.S.S.R. Zone)	
Berlin	152
"	841
Breslau	950
Leipzig	704
"	785
<b>GREAT BRITAIN</b>	
Aberdeen, Scotland	767
"	1,149
Bartley, Hants	1,384
Brookmans Park, London	877
"	1,149
Burghead, Scotland	767
"	1,149
Clevedon, Som.	1,384
Crowborough, Sussex	1,122
Droitwich, Worcs.	200
"	583
"	1,013
Lisnagarvey, N. Ireland	1,050
"	1,149
Londonderry, N. Ireland	1,050
"	1,149
Moorside Edge, Yorks.	668
"	1,149
Norwich, Norfolk	1,013
Ottringham, Yorks.	167
Penmon, Wales	804
Plymouth, Devon	1,149
Redruth, Cornwall	1,149

Great Britain—Cont.	kc/s
Stagshaw, North'd.	1,050
"	1,149
Start Point, Devon	977
Washford, Som.	804
Westerglen, Scotland	767
"	1,149
Wrexham, Wales	804
<b>GREECE</b>	
Athens	601
"	1,285
Salonika	804
<b>HOLLAND</b>	
Beek	1,375
Hilversum	722
"	995
Hoogezand	1,222
<b>HUNGARY</b>	
Budapest	546
<b>ICELAND</b>	
Eidar	615
Reykjavik	271
<b>ITALY</b>	
Bari	1,059
Genoa	986
"	1,258
Milan	814
Rome	713
Turin	1,140
<b>LATVIA</b>	
Riga	583
<b>LITHUANIA</b>	
Vilno	536
<b>LUXEMBOURG</b>	232
<b>MONACO</b>	
Monte Carlo	731
<b>MOROCCO</b>	
Rabat	601
<b>NORWAY</b>	
Bergen	260
"	355
Bodö	253

Norway—Cont.	kc/s
Finnmark	347
Fredrikstad	1,276
Hamar	519
Kristiansand	629
Namsos	961
Narvik	1,222
Oslo	260
Porsgrunn	1,222
Stavanger	850
Tromsö	292
Trondheim	832
Vigra	282
<b>PALESTINE</b>	
Jerusalem	668
"	795
<b>POLAND</b>	
Cracow	1,022
Gleititz	1,231
Katowitz	296
Lodz	1,339
Poznan	868
Warsaw	758
<b>PORTUGAL</b>	
Lisbon	629
"	1,068
<b>SPAIN</b>	
Barcelona	795
"	1,122
Corunna	913
Madrid	758
"	821
"	850
"	1,022
San Sebastian	1,068
Seville	731
Valencia	1,258
<b>SWEDEN</b>	
Falun	1,086
Goteborg	941
Hörby	1,131
Hudiksvall	1,402



Country	City	kc/s	Country	City	kc/s
Sweden—Cont.	Luleå	392	Turkey—Cont.	Istanbul	758
	Malmö	1,312	U.S.S.R.	Dnepropetrovsk	913
	Motala	216		Kharkov	385
	Stockholm	704		Kiev	248
	Sundsvall	601		"	832
	Umeå	1,402		Leningrad	208
SWITZERLAND	Beromünster	556		"	1,040
	Monte Ceneri	1,167		Moscow	153
	Sottens	677		"	172
SYRIA	Beirut	1,080		"	232
				"	283
TUNISIA	Tunis	823	Odessa	968	
			Stalino	776	
TURKEY	Ankara	182	VATICAN CITY	1,355	

## Short-wave Stations of the World

Mc/s	Metres	kW	Call	Station	Notes
4.830	62.11	2	EQD	Teheran (Iran)	.....
4.840	61.98	—	VUC2	Calcutta (India)	.....
4.860	61.73	—	VUD3	Delhi (India)	.....
4.880	61.48	—	VUB2	Bombay (India)	.....
4.890	61.35	4.7	YV5RM	Caracas (Venezuela)	.....
4.893	61.31	12	FHE9	Dakar (Fr. W. Africa)	.....
4.920	60.98	5	YV5RN	Caracas (Venezuela)	.....
4.949	60.61	—	VQ7LO	Nairobi (Kenya)	.....
4.960	60.48	—	VUD	Delhi (India)	.....
4.990	60.12	5	YV3RN	Barquisimeto (Venezuela)	.....
5.883	50.99	5	—	Cape Town (S. Africa)	.....
5.918	50.69	7.5	XGOA	Nanking (China)	.....
5.969	50.26	25	HVJ	Vatican City	.....
5.980	50.17	—	—	Andorra <b>10-MEC</b>	<b>70-60</b>
6.000	50.00	1	XEBT	Mexico City (Mexico)	.....
6.000	50.00	—	RNE	Moscow (U.S.S.R.)	.....
6.002	49.99	—	—	Bangkok (Siam)	.....
6.005	49.96	1	HP5K	Colon (Panama)	.....
6.007	49.94	5	—	Johannesburg (S. Africa)	.....
6.010	49.92	—	GRB	British Overseas Service	.....
6.010	49.92	17	—	Podebrady (Czechoslovakia)	.....
6.010	49.92	5	CE601	Antofagasta (Chile)	.....
6.010	49.92	5	XEO1	Mexico City (Mexico)	.....
6.010	49.92	1	CJCX	Sydney, N.S. (Canada)	.....
6.010	49.92	—	VUD3	Delhi (India)	.....
6.010	49.92	—	VUC7	Calcutta (India)	.....
6.015	49.88	5	PRA8	Recife (Brazil)	.....
6.020	49.83	6	—	Luxembourg	.....
6.020	49.83	1	OAX4Q	Lima (Peru)	.....
6.020	49.83	—	—	Moscow (U.S.S.R.)	.....
6.024	49.80	1.5	—	Brazzaville (Fr. Eq. Africa)	.....
6.030	49.75	17	—	Podebrady (Czechoslovakia)	.....
6.030	49.75	—	—	Moscow (U.S.S.R.)	.....
6.030	49.75	—	—	Rome (Italy)	.....
6.035	49.71	1	CXA30	Montevideo (Uruguay)	.....
6.040	49.67	50	WRUL	Boston, Mass. (U.S.A.)	.....
6.040	49.67	50	WRUS	" " "	.....

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Mc/s	Metres	kW	Call	Station	Notes
6.040	49.67	50	WRUA	Boston, Mass. (U.S.A.)	.....
6.040	49.67	5	COBF	Havana (Cuba)	.....
6.040	49.67	—	—	Rangoon (Burma)	.....
6.050	49.59	—	GSA	British Overseas Service	.....
6.054	49.55	1	HJFA	Pereira (Colombia)	.....
6.060	49.50	100	KWID	San Francisco, Cal. (U.S.A.)	.....
6.060	49.50	50	KWIX	" " " "	.....
6.060	49.50	50	WCRC	Brentwood, N.Y. (U.S.A.)	.....
6.060	49.50	50	WCBX	" " "	.....
6.060	49.50	10	WCDA	" " "	.....
6.060	49.50	—	VUDII	Delhi (India)	.....
6.065	49.46	12	SBO	Motala (Sweden)	.....
6.065	49.46	10	LRSI	Buenos Aires (Argentina)	.....
6.070	49.42	—	GRR	British Overseas Service	.....
6.070	49.42	1	CFRX	Toronto, Ont. (Canada)	.....
6.075	49.38	100	—	Colombo (Ceylon)	.....
6.075	49.38	2.5	CXA3	Montevideo (Uruguay)	.....
6.080	49.34	200	WLWR	Cincinnati, Ohio (U.S.A.)	.....
6.080	49.34	200	WLWL	" " "	.....
6.080	49.34	200	WLWS	" " "	.....
6.080	49.34	75	WLWO	" " "	.....
6.080	49.34	50	WLWK	" " "	.....
6.080	49.34	50	—	Munich (Germany: U.S. Zone)	.....
6.082	49.32	14	OAX4Z	Lima (Peru)	.....
6.082	49.32	—	—	Moscow (U.S.S.R.)	.....
6.085	49.30	—	VUM2	Madras (India)	.....
6.090	49.26	50	LRYI	Buenos Aires (Argentina)	.....
6.090	49.26	50	CKOB	Sackville, N.B. (Canada)	.....
6.090	49.26	7.5	CBFW	Verchères, Quebec (Canada)	.....
6.090	49.26	2	—	Beirut (Syria)	.....
6.090	49.26	—	—	Kuala Lumpur (Malaya)	.....
6.095	49.22	5	ZYB7	Sao Paulo (Brazil)	.....
6.097	49.21	2.5	HJFK	Pereira (Colombia)	.....
6.097	49.21	1	—	Johannesburg (S. Africa)	.....
6.100	49.18	50	WNRE	Bound Brook, N.J. (U.S.A.)	.....
6.100	49.18	50	WNRI	" " " "	.....
6.100	49.18	50	WNRX	" " " "	.....
6.100	49.18	50	WNRA	" " " "	.....
6.100	49.18	50	WRCA	" " " "	.....

Mc/s	Metres	kW	Call	Station	Notes
6.100	49.18	50	WNBI	Bound Brook, N.J. (U.S.A.)	.....
6.100	49.18	10	XRRA	Peiping (China)	.....
6.100	49.18	—	VUDI0	Delhi (India)	.....
6.105	49.14	6	HJFB	Manizales (Colombia)	.....
6.110	49.10	—	GSL	British Overseas Service	.....
6.110	49.10	5	CP2	La Paz (Bolivia)	.....
6.115	49.06	7.5	—	Warsaw (Poland)	.....
6.120	49.02	100	KRHO	Honolulu (Hawaii)	.....
6.120	49.02	50	WCBX	Brentwood, N.Y. (U.S.A.)	.....
6.120	49.02	50	WCBN	" " "	.....
6.120	49.02	50	WOOW	Wayne, N.J. (U.S.A.)	.....
6.120	49.02	50	WOOC	" " "	.....
6.120	49.02	50	WCRC	Brentwood, N.Y. (U.S.A.)	.....
6.120	49.02	10	WCDA	" " "	.....
6.120	49.02	7.5	LRXI	Buenos Aires (Argentina)	.....
6.120	49.02	10	OIXI	Helsinki (Finland)	.....
6.125	48.98	—	GWA	British Overseas Service	.....
6.125	48.98	5	CXA4	Montevideo (Uruguay)	.....
6.130	48.94	1	COCD	Regia (Cuba)	.....
6.130	48.94	—	—	Fredrikstad (Norway)	.....
6.130	48.94	—	—	Kuibyshev (U.S.S.R.)	.....
6.140	48.86	50	WBOS	Boston, Mass. (U.S.A.)	.....
6.140	48.86	50	OTC	Léopoldville (Belgian Congo)	.....
6.140	48.86	—	—	Moscow (U.S.S.R.)	.....
6.145	48.82	5	HJDE	Medellin (Colombia)	.....
6.146	48.81	35	XGOY	Chungking (China)	.....
6.150	48.78	—	GRW	British Overseas Service	.....
6.150	48.78	5	CE615	Valparaiso (Chile)	.....
6.150	48.78	2	CKRO	Winnipeg, Manitoba (Canada)	.....
6.150	48.78	2	VLR2	Lyndhurst (Australia)	.....
6.150	48.78	—	YSPB	San Salvador (El Salvador)	.....
6.150	48.78	—	—	Belgrade (Yugoslavia)	.....
6.150	48.78	—	VUB2	Bombay (India)	.....
6.155	48.74	2	EQB	Teheran (Iran)	.....
6.160	48.70	100	—	Allouis (France)	.....
6.160	48.70	50	CHAC	Sackville, N.B. (Canada)	.....
6.160	48.70	5	HJCD	Bogota (Colombia)	.....
6.163	48.67	1	HHCM	Port-au-Prince (Haiti)	.....
6.165	48.66	25	HER3	Schwarzenburg (Switzerland)	.....

Mc/s	Metres	kW	Call	Station	Notes	Mc/s	Metres	kW	Call	Station	Notes
6.165	48.66	—	—	Kuala Lumpur (Malaya)	.....	6.705	44.75	1	YVKB	Caracas (Venezuela)	.....
6.170	48.62	50	WCRC	Brentwood, N.Y. (U.S.A.)	.....	6.917	43.37	—	—	Dakar (Fr. W. Africa)	.....
6.170	48.62	50	WCBX	" " "	.....	6.990	42.92	10	XUPA	Kweiyang (China)	.....
6.170	48.62	50	WOOC	Wayne, N.J. (U.S.A.)	.....	7.000	42.86	100	WGEO	Schenectady, N.Y. (U.S.A.)	.....
6.170	48.62	50	WOOW	" " "	.....	7.000	42.86	50	WGEA	" " "	.....
6.170	48.62	50	WCBN	Brentwood, N.Y. (U.S.A.)	.....	7.040	42.61	—	FET15	Cordoba (Spain)	.....
6.170	48.62	10	WCDA	" " "	.....	7.050	42.55	—	—	Malaga (Spain)	.....
6.170	48.62	1	CXA21	Montevideo (Uruguay)	.....	7.050	42.55	—	ZOY	Gold Coast	.....
6.170	48.62	30	OLR2D	Podebrady (Czechoslovakia)	.....	7.058	42.50	1.2	COKG	Santiago (Cuba)	.....
6.175	48.58	100	—	Allouis (France)	.....	7.075	42.40	—	GRS	British Overseas Service	.....
6.180	48.54	—	GRO	British Overseas Service	.....	7.100	42.25	—	EAJ7	Cuenca (Spain)	.....
6.180	48.54	10	HJCT	Bogota (Colombia)	.....	7.120	42.13	—	GRM	British Overseas Service	.....
6.180	48.54	10	LRM	Mendoza (Argentina)	.....	7.150	41.96	—	GRT	" " "	.....
6.190	48.47	100	WGEO	Schenectady, N.Y. (U.S.A.)	.....	7.153	41.95	10	XGOY	Chungking (China)	.....
6.190	48.47	50	WGEA	" " "	.....	7.185	41.75	—	GRK	British Overseas Service	.....
6.190	48.47	50	WNRI	Bound Brook, N.J. (U.S.A.)	.....	7.195	41.71	—	—	Vienna, (Austria: U.S.S.R. Zone)	.....
6.190	48.47	50	KGE1	Belmont, Cal. (U.S.A.)	.....	7.200	41.67	—	—	Moscow (U.S.S.R.)	.....
6.190	48.47	25	HVJ	Vatican City	.....	7.210	41.61	12	FHE7	Dakar (Fr. W. Africa)	.....
6.190	48.47	—	VUD7	Delhi (India)	.....	7.210	41.61	2	—	Beirut (Syria)	.....
6.195	48.43	—	GRN	British Overseas Service	.....	7.210	41.61	—	VUD8	Delhi (India)	.....
6.195	48.43	—	—	Vienna, (Austria: U.S.S.R. Zone)	.....	7.215	41.58	10	VLQ2	Brisbane (Australia)	.....
6.200	48.39	10	CS2WD	Lisbon (Portugal)	.....	7.220	41.55	—	JCKW	Jerusalem (Palestine)	.....
6.200	48.39	5	LKJ	Oslo (Norway)	.....	7.220	41.55	2	KOFA	Salzburg (Austria: U.S. Zone)	.....
6.200	48.39	1	YV6RD	Bolivar (Venezuela)	.....	7.230	41.49	—	GSW	British Overseas Service	.....
6.220	48.23	5	CE622	Santiago (Chile)	.....	7.230	41.49	100	KWID	San Francisco, Cal. (U.S.A.)	.....
6.243	48.05	1	HIIN	Ciudad Trujillo (Dominican Rep.)	.....	7.230	41.49	50	KWIX	" " " "	.....
6.250	48.00	5	CE625	Santiago (Chile)	.....	7.240	41.44	10	VLQ	Brisbane (Australia)	.....
6.250	48.00	5	PGD	Huizen (Holland)	.....	7.240	41.44	—	YUB2	Bombay (India)	.....
6.300	47.62	2.5	ZPA1	Asuncion (Paraguay)	.....	7.250	41.38	50	KGE1	Belmont, Cal. (U.S.A.)	.....
6.320	47.47	1	—	Baden Baden (Germany: French Zone)	.....	7.250	41.38	—	—	Baden Baden (Germany: French Zone)	.....
6.345	47.28	25	HE12	Schwarzenburg (Switzerland)	.....	7.255	41.35	—	VUM2	Madras (India)	.....
6.370	47.10	1	OAX4H	Lima (Peru)	.....	7.260	41.32	—	GSU	British Overseas Service	.....
6.391	46.94	1	HIIX	Ciudad Trujillo (Dominican Rep.)	.....	7.260	41.32	10	CSW8	Lisbon (Portugal)	.....
6.400	46.88	1	TGQA	Quezaltenango (Guatemala)	.....	7.265	41.29	1	HCIBF	Quito (Ecuador)	.....
6.455	46.47	1	COHI	Santa Clara (Cuba)	.....	7.268	41.28	—	EAJ43	Teneriffe (Canary Is.)	.....
6.460	46.44	1	TGWB	Guatemala City (Guatemala)	.....	7.270	41.27	1	YSN	San Salvador (El Salvador)	.....
						7.280	41.21	—	GWN	British Overseas Service	.....
						7.280	41.21	100	VLA	Shepparton (Australia)	.....

Mc/s	Metres	kW	Call	Station	Notes	Mc/s	Metres	kW	Call	Station	Notes
7.280	41.21	50	VLC8	Shepparton (Australia)	.....	9.440	31.78	7	FZI	Brazzaville (Fr. Eq. Africa)	.....
7.290	41.15	—	VUD11	Delhi (India)	.....	9.440	31.78	5	COCH	Guanabacoa (Cuba)	.....
7.290	41.15	—	—	Hamburg (Germany: British Zone)	.....	9.465	31.70	—	TAP	Ankara (Turkey)	.....
7.295	41.12	10	—	Athens (Greece)	.....	9.480	31.65	—	—	Moscow (U.S.S.R.)	.....
7.300	41.10	—	—	Moscow (U.S.S.R.)	.....	9.490	31.61	—	GWF	British Overseas Service	.....
7.320	40.98	—	GRJ	British Overseas Service	.....	9.490	31.61	50	WCRC	Brentwood, N.Y. (U.S.A.)	.....
7.360	40.76	25	HET3	Schwarzenburg (Switzerland)	.....	9.490	31.61	50	WCBX	" " "	.....
7.360	40.76	—	RWG	Moscow (U.S.S.R.)	.....	9.490	31.61	50	WOOW	Wayne, N.J. (U.S.A.)	.....
7.380	40.65	25	HEK3	Schwarzenburg (Switzerland)	.....	9.490	31.61	50	KNB!	Dixon, Cal. (U.S.A.)	.....
7.430	40.38	—	—	Moscow (U.S.S.R.)	.....	9.490	31.61	50	KNBA	" " "	.....
7.520	39.89	—	—	" "	.....	9.490	31.61	10	WCDA	Brentwood, N.Y. (U.S.A.)	.....
7.670	39.11	—	—	Sofia (Bulgaria)	.....	9.500	31.58	100	—	Allouis (France)	.....
7.700	38.96	—	—	Tirana (Albania)	.....	9.500	31.58	20	OIX2	Lahti (Finland)	.....
7.770	38.61	—	—	Moscow (U.S.S.R.)	.....	9.500	31.58	12	PRF5	Marapicu (Brazil)	.....
7.850	38.22	—	—	Tirana (Albania)	.....	9.500	31.58	10	XEWW	Mexico City (Mexico)	.....
7.867	38.13	10	SUX	Cairo (Egypt)	.....	9.500	31.58	—	—	Moscow (U.S.S.R.)	.....
7.894	38.00	—	YSD	San Salvador (El Salvador)	.....	9.505	31.57	5	CP38	La Paz (Bolivia)	.....
7.950	37.74	—	—	Alicante (Spain)	.....	9.510	31.55	—	GSB	British Overseas Service	.....
8.037	37.33	2	FXE	Beirut (Syria)	.....	9.520	31.51	100	—	Allouis (France)	.....
8.050	37.27	—	—	Kuibyshev (U.S.S.R.)	.....	9.520	31.51	100	—	Colombo (Ceylon)	.....
8.565	35.03	50	—	Munich (Germany: U.S. Zone)	.....	9.520	31.51	6	OZF	Copenhagen (Denmark)	.....
8.650	34.64	1	COJK	Camaguey (Cuba)	.....	9.520	31.51	2	VLW7	Perth (Australia)	.....
8.825	34.00	5	COCQ	Havana (Cuba)	.....	9.520	31.51	1	CP6	La Paz (Bolivia)	.....
8.890	33.03	12	—	Dakar (Fr. W. Africa)	.....	9.520	31.51	—	—	Moscow (U.S.S.R.)	.....
9.010	33.30	—	—	Moscow (U.S.S.R.)	.....	9.523	31.50	5	—	Johannesburg (S. Africa)	.....
9.082	33.03	2	—	Rabat (Morocco)	.....	9.526	31.49	7.5	—	Warsaw (Poland)	.....
9.084	33.02	—	—	Baghdad (Iraq)	.....	9.530	31.48	100	WGEO	Schenectady, N.Y. (U.S.A.)	.....
9.150	32.79	2	TIRH	San Jose (Costa Rica)	.....	9.530	31.48	50	WGEA	" " "	.....
9.185	32.66	25	HEF4	Schwarzenburg (Switzerland)	.....	9.530	31.48	50	KGE1	Belmont, Cal. (U.S.A.)	.....
9.250	32.43	—	—	Bucharest (Roumania)	.....	9.530	31.48	—	—	Moscow (U.S.S.R.)	.....
9.310	32.22	1	HC2AK	Guayaquil (Ecuador)	.....	9.530	31.48	—	VUC2	Calcutta (India)	.....
9.320	32.19	—	FHK	Libreville (Fr. Eq. Africa)	.....	9.530	31.48	—	—	Schwarzenburg (Switzerland)	.....
9.350	32.09	—	—	Sofia (Bulgaria)	.....	9.535	31.46	25	HER4	Motala (Sweden)	.....
9.370	32.02	—	—	Madrid (Spain)	.....	9.535	31.46	12	SBU	Nanking (China)	.....
9.380	31.98	50	—	Léopoldville (Belgian Congo)	.....	9.535	31.46	—	XGSG	Schwarzenburg (Switzerland)	.....
9.405	31.90	—	FGA	Dakar (Fr. W. Africa)	.....	9.539	31.45	25	HE14	Shepparton (Australia)	.....
9.410	31.88	—	GRI	British Overseas Service	.....	9.540	31.45	100	VLB	" " "	.....
9.420	31.85	—	—	Belgrade (Yugoslavia)	.....	9.540	31.45	50	VLC5	" " "	.....
						9.540	31.45	5	LKJ	Oslo (Norway)	.....
						9.540	31.45	2	VLR	Lyndhurst (Australia)	.....

Mc/s	Metres	kW	Call	Station	Notes
9.540	31.45	—	—	Moscow (U.S.S.R.)	.....
9.545	31.43	25	HED5	Schwarzenburg (Switzerland)	.....
9.550	31.41	100	—	Allouis (France)	.....
9.550	31.41	50	KGEI	Belmont, Cal. (U.S.A.)	.....
9.550	31.41	50	WGEA	Schenectady, N.Y. (U.S.A.)	.....
9.550	31.41	25	HVJ	Vatican City	.....
9.550	31.41	20	WRUW	Boston, Mass. (U.S.A.)	.....
9.550	31.41	17	—	Podebrady (Czechoslovakia)	.....
9.555	31.40	1	XETA	Monterrey (Mexico)	.....
9.560	31.38	10	—	Les Essarts (France)	.....
9.562	31.37	12	FHE4	Dakar (Fr. W. Africa)	.....
9.562	31.37	10	OAX4T	Lima (Peru)	.....
9.565	31.36	—	VUM2	Madras (India)	.....
9.567	31.36	—	—	Moscow (U.S.S.R.)	.....
9.570	31.35	100	KWID	San Francisco, Cal. (U.S.A.)	.....
9.570	31.35	50	WBOS	Boston, Mass. (U.S.A.)	.....
9.570	31.35	50	WRUS	" " "	.....
9.570	31.35	50	WRUA	" " "	.....
9.570	31.35	50	KWIX	San Francisco, Cal. (U.S.A.)	.....
9.570	31.35	20	WRUW	Boston, Mass. (U.S.A.)	.....
9.570	31.35	—	ZBW	Victoria (Hong Kong)	.....
9.573	31.34	50	LRS	Buenos Aires (Argentina)	.....
9.575	31.34	—	YSPA	San Salvador (El Salvador)	.....
9.580	31.32	—	GSC	British Overseas Service	.....
9.580	31.32	10	VLH3	Lyndhurst (Australia)	.....
9.580	31.32	10	VLG	" " "	.....
9.590	31.28	200	WLWS	Cincinnati, Ohio (U.S.A.)	.....
9.590	31.28	200	WLWR	" " "	.....
9.590	31.28	200	WLWL	" " "	.....
9.590	31.28	75	WLWO	" " "	.....
9.590	31.28	50	WLWK	" " "	.....
9.590	31.28	50	WCRC	Brentwood, N.Y. (U.S.A.)	.....
9.590	31.28	50	WCBX	" " "	.....
9.590	31.28	30	PCJ	Huizen (Holland)	.....
9.590	31.28	10	WCDA	Brentwood, N.Y. (U.S.A.)	.....
9.590	31.28	—	VUD5	Delhi (India)	.....
9.600	31.25	—	GRY	British Overseas Service	.....
9.600	31.25	12	PRF5	Marapicu (Brazil)	.....
9.600	31.25	2	CE960	Santiago (Chile)	.....

Mc/s	Metres	kW	Call	Station	Notes
9.605	31.23	—	XGSH	Nanking (China)	.....
9.606	31.23	5	—	Cape Town (S. Africa)	.....
9.607	31.24	1	HP5J	Panama City (Panama)	.....
9.610	31.22	50	CHLS	Sackville, N.B. (Canada)	.....
9.610	31.22	25	ZYC8	Rio de Janeiro (Brazil)	.....
9.610	31.22	10	—	Algiers (Algeria)	.....
9.610	31.22	5	XERQ	Mexico City (Mexico)	.....
9.610	31.22	—	—	Moscow (U.S.S.R.)	.....
9.615	31.20	100	VLB9	Shepparton (Australia)	.....
9.615	31.20	50	VLC6	" " "	.....
9.615	31.20	2.5	TIPG	San Jose (Costa Rica)	.....
9.620	31.19	25	—	Realtort (France)	.....
9.620	31.19	2	CXA6	Montevideo (Uruguay)	.....
9.625	31.17	—	GWO	British Overseas Service	.....
9.630	31.15	50	—	Turin (Italy)	.....
9.630	31.15	50	CKLO	Sackville, N.B. (Canada)	.....
9.630	31.15	7.5	CBFW	Verchères, Quebec (Canada)	.....
9.630	31.15	—	VUD7	Delhi (India)	.....
9.630	31.15	—	VUB2	Bombay (India)	.....
9.635	31.14	35	XGOY	Chungking (China)	.....
9.640	31.12	—	GVZ	British Overseas Service	.....
9.640	31.12	50	CHMD	Sackville, N.B. (Canada)	.....
9.640	31.12	50	LRV	Buenos Aires (Argentina)	.....
9.640	31.12	1	COX	Havana (Cuba)	.....
9.640	31.12	1	KZRH	Manila (Philippines)	.....
9.645	31.10	10	CR7BJ	Lourenco Marques (Mozambique)	.....
9.650	31.09	100	KRHO	Honolulu (Hawaii)	.....
9.650	31.09	50	WCRC	Brentwood, N.Y. (U.S.A.)	.....
9.650	31.09	50	WCBX	" " "	.....
9.650	31.09	50	WCBN	" " "	.....
9.650	31.09	50	KNBI	Dixon, Cal. (U.S.A.)	.....
9.650	31.09	50	KNBA	" " "	.....
9.650	31.09	50	WOOW	Wayne, N.J. (U.S.A.)	.....
9.650	31.09	50	WOOC	" " "	.....
9.650	31.09	10	WCDA	Brentwood, N.Y. (U.S.A.)	.....
9.650	31.09	—	—	Omdurman (Sudan)	.....
9.655	31.07	25	HED6	Schwarzenburg (Switzerland)	.....
9.655	31.07	—	XGSI	Nanking (China)	.....

Mc/s	Metres	kW	Call	Station	Notes	Mc/s	Metres	kW	Call	Station	Notes
9.660	31.06	—	GWP	British Overseas Service	.....	9.750	30.77	50	WNRA	Bound Brook, N.J. (U.S.A.)	.....
9.660	31.06	25	HVJ	Vatican City	.....	9.750	30.77	50	KCBA	Delano, Cal. (U.S.A.)	.....
9.660	31.06	10	—	Algiers (Algeria)	.....	9.750	30.77	50	KCBF	" " "	.....
9.660	31.06	7.5	LRX	Buenos Aires (Argentina)	.....	9.760	30.74	—	—	Moscow (U.S.S.R.)	.....
9.660	31.06	10	VLQ3	Brisbane (Australia)	.....	9.800	30.58	—	—	Vienna (Austria: U.S.S.R. Zone)	.....
9.660	31.06	—	HOXC	Panama City (Panama)	.....	9.820	30.55	—	HNF	Baghdad (Iraq)	.....
9.665	31.04	5	—	Ruiselede (Belgium)	.....	9.825	30.53	—	GRH	British Overseas Service	.....
9.670	31.02	100	WRCA	Bound Brook, N.J. (U.S.A.)	.....	9.837	30.50	10	CR7BE	Lourenco Marques (Mozambique)	.....
9.670	31.02	100	WNBI	" " " "	.....	9.845	30.47	50	—	Léopoldville (Belgian Congo)	.....
9.670	31.02	50	WNR1	" " " "	.....	9.860	30.43	10	EAQ	Aranjuez (Spain)	.....
9.670	31.02	50	WNRE	" " " "	.....	9.902	30.30	1	—	Johannesburg (S. Africa)	.....
9.670	31.02	50	WNRX	" " " "	.....	9.915	30.26	—	GRU	British Overseas Service	.....
9.670	31.02	50	WNRA	" " " "	.....	9.958	30.12	10	HCJB	Quito (Ecuador)	.....
9.670	31.02	—	VUD4	Delhi (India)	.....	9.980	30.06	25	HVJ	Vatican City	.....
9.675	31.01	100	—	Allouis (France)	.....	10.040	29.88	—	—	Kuibyshev (U.S.S.R.)	.....
9.675	31.01	—	XGSJ	Nanking (China)	.....	10.055	29.83	10	—	Cairo (Egypt)	.....
9.680	30.99	100	VLA3	Shepparton (Australia)	.....	10.140	29.59	—	OPM	Léopoldville (Belgian Congo)	.....
9.680	30.99	100	VLB2	" " "	.....	10.260	29.24	10	XRRA	Peiping (China)	.....
9.680	30.99	50	VLC2	" " "	.....	10.405	28.83	25	HED4	Schwarzenburg (Switzerland)	.....
9.680	30.99	2	EQC	Teheran (Iran)	.....	10.780	27.83	12	SDB2	Motala (Sweden)	.....
9.680	30.99	—	XEQQ	Mexico City (Mexico)	.....	11.030	27.20	10	CSW6	Lisbon (Portugal)	.....
9.685	30.98	100	—	Allouis (France)	.....	11.630	25.79	—	RIG	Moscow (U.S.S.R.)	.....
9.690	30.96	—	GRX	British Overseas Service	.....	11.680	25.68	—	GRG	British Overseas Service	.....
9.690	30.96	10	LRA1	Buenos Aires (Argentina)	.....	11.700	25.64	—	GVW	" " "	.....
9.690	30.96	2.5	HJCAB	Bogota (Colombia)	.....	11.700	25.64	100	—	Allouis (France)	.....
9.700	30.93	200	WLWR	Cincinnati, Ohio (U.S.A.)	.....	11.700	25.64	1	HP5A	Panama City (Panama)	.....
9.700	30.93	200	WLWL	" " "	.....	11.700	25.64	—	—	Kuibyshev (U.S.S.R.)	.....
9.700	30.93	200	KCBR	Delano, Cal. (U.S.A.)	.....	11.705	25.63	50	CKXA	Sackville, N.B. (Canada)	.....
9.700	30.93	50	WRUA	Boston, Mass. (U.S.A.)	.....	11.705	25.63	12	SBP	Motala (Sweden)	.....
9.700	30.93	50	WRUS	" " "	.....	11.705	25.63	7.5	CBFY	Verchères, Quebec (Canada)	.....
9.700	30.93	20	WRUW	" " "	.....	11.705	25.63	1.5	CXA19	Montevideo (Uruguay)	.....
9.700	30.93	10	CB970	Valparaiso (Chile)	.....	11.710	25.62	200	WLWS	Cincinnati, Ohio (U.S.A.)	.....
9.700	30.93	5	CE970	Santiago (Chile)	.....	11.710	25.62	200	WLWL	" " "	.....
9.700	30.93	1	CP25	La Paz (Bolivia)	.....	11.710	25.62	200	WLWR	" " "	.....
9.720	30.86	50	PRL7	Rio de Janeiro (Brazil)	.....	11.710	25.62	100	—	Allouis (France)	.....
9.720	30.86	—	XGOA	Chungking (China)	.....	11.710	25.62	75	WLWO	Cincinnati, Ohio (U.S.A.)	.....
9.750	30.77	50	WNRA	Bound Brook, N.J. (U.S.A.)	.....	11.710	25.62	50	WLWK	" " "	.....
9.750	30.77	50	WNR1	" " " "	.....	11.710	25.62	10	VLG3	Lyndhurst (Australia)	.....
9.750	30.77	50	WNRX	" " " "	.....						

Mc/s	Metres	kW	Call	Station	Notes	Mc/s	Metres	kW	Call	Station	Notes
11.710	25.62	—	—	Moscow (U.S.S.R.)		11.770	25.49	100	—	Colombo (Ceylon)	
11.712	25.61	12	FHE3	Dakar (Fr. W. Africa)		11.775	25.48	25	HER4	Schwarzenburg (Switzerland)	
11.715	25.61	25	HE15	Schwarzenburg (Switzerland)		11.778	25.47	12	—	Saigon (Fr. Indo-China)	
11.720	25.60	50	PRL8	Rio de Janeiro (Brazil)		11.780	25.47	15	OIX3	Lahti (Finland)	
11.720	25.60	50	CHOL	Sackville, N.B. (Canada)		11.780	25.47	4	XORA	Shanghai (China)	
11.720	25.60	2	CKRX	Winnipeg, Manitoba (Canada)		11.790	25.45	75	WLWO	Cincinnati, Ohio (U.S.A.)	
11.720	25.60	—	—	Moscow (U.S.S.R.)		11.790	25.45	50	WNRA	Bound Brook, N.J. (U.S.A.)	
11.725	25.59	—	XGSK	Nanking (China)		11.790	25.45	50	KNBX	Dixon, Cal. (U.S.A.)	
11.730	25.58	—	GVV	British Overseas Service		11.790	25.45	50	WRUS	Boston, Mass. (U.S.A.)	
11.730	25.58	100	—	Allouis (France)		11.790	25.45	50	WRUL	" " "	
11.730	25.58	100	KGEX	Belmont, Cal. (U.S.A.)		11.790	25.45	20	WRUW	" " "	
11.730	25.58	50	KGEI	" " "		11.790	25.45	—	VUD5	Delhi (India)	
11.730	25.58	50	WRUA	Boston, Mass. (U.S.A.)		11.800	25.42	—	GWH	British Overseas Service	
11.730	25.58	50	WRUS	" " "		11.800	25.42	1	CE1180	Santiago (Chile)	
11.730	25.58	50	WRUL	" " "		11.800	25.42	—	XGSM	Nanking (China)	
11.730	25.58	20	WRUW	" " "		11.810	25.40	200	KCBR	Delano, Cal. (U.S.A.)	
11.730	25.58	10	LRA3	Buenos Aires (Argentina)		11.810	25.40	50	WGEA	Schenectady, N.Y. (U.S.A.)	
11.730	25.58	5	PHI	Huizen (Holland)		11.810	25.40	50	WOOW	Wayne, N.J. (U.S.A.)	
11.735	25.56	12	—	Algiers (Algeria)		11.810	25.40	10	—	Turin (Italy)	
11.735	25.56	5	CXA7	Montevideo (Uruguay)		11.815	25.39	—	HOXB	Panama City (Panama)	
11.735	25.56	—	—	Belgrade (Yugoslavia)		11.820	25.38	—	GSN	British Overseas Service	
11.735	25.56	—	—	Fredrikstad (Norway)		11.830	25.36	50	WCBX	Brentwood, N.Y. (U.S.A.)	
11.735	25.56	—	—	Singapore (Malaya)		11.830	25.36	50	WCBN	" " "	
11.735	25.56	—	XGSL	Nanking (China)		11.830	25.36	50	WCRC	" " "	
11.740	25.55	25	HVJ	Vatican City		11.830	25.36	50	WOOC	Wayne, N.J. (U.S.A.)	
11.740	25.55	15	COCY	Havana (Cuba)		11.830	25.36	50	WOOW	" " "	
11.740	25.55	4	CB1174	Santiago (Chile)		11.830	25.36	10	WCDA	Brentwood, N.Y. (U.S.A.)	
11.750	25.53	—	GSD	British Overseas Service		11.830	25.36	2	VLW3	Perth (Australia)	
11.750	25.53	—	—	Jerusalem (Palestine)		11.830	25.36	—	—	Moscow (U.S.S.R.)	
11.760	25.51	100	VLAB	Shepparton (Australia)		11.830	25.36	—	VUD4	Delhi (India)	
11.760	25.51	50	CKRA	Sackville, N.B. (Canada)		11.835	25.35	10	CR7BF	Lourenco Marques (Mozambique)	
11.760	25.51	10	VLG10	Lyndhurst (Australia)							
11.760	25.51	—	VUD11	Delhi (India)		11.840	25.34	50	VLC7	Shepparton (Australia)	
11.765	25.50	25	ZYB8	Sao Paulo (Brazil)		11.840	25.34	17	OLR4A	Podebrady (Czechoslovakia)	
11.766	25.50	—	—	Moscow (U.S.S.R.)		11.840	25.34	10	VLG4	Lyndhurst (Australia)	
11.770	25.49	—	GVU	British Overseas Service		11.840	25.34	10	CSW5	Lisbon (Portugal)	
11.770	25.49	200	KCBR	Delano, Cal. (U.S.A.)		11.845	25.33	—	—	Rangoon (Burma)	
11.770	25.49	100	VLA4	Shepparton (Australia)		11.845	25.33	25	—	Muret (France)	
11.770	25.49	100	VLB3	" " "		11.847	25.33	100	WGEO	Schenectady, N.Y. (U.S.A.)	

Mc/s	Metres	kW	Call	Station	Notes
11.847	25.33	50	WGEA	Schenectady, N.Y. (U.S.A.)	
11.850	25.32	5	ORY	Ruiselede (Belgium)	
11.850	25.32	25	CE1185	Santiago (Chile)	
11.850	25.32	12	—	Marapicu (Brazil)	
11.850	25.32	1.2	ZPA3	Asuncion (Paraguay)	
11.850	25.32	—	VUD3	Delhi (India)	
11.860	25.30	—	GSE	British Overseas Service	
11.865	25.28	25	HER5	Schwarzenburg (Switzerland)	
11.870	25.27	100	—	Allouis (France)	
11.870	25.27	100	KWID	San Francisco, Cal. (U.S.A.)	
11.870	25.27	50	KWIX	" " " "	
11.870	25.27	50	WBOS	Boston, Mass. (U.S.A.)	
11.870	25.27	50	WOOC	Wayne, N.J. (U.S.A.)	
11.870	25.27	50	WOOW	" " "	
11.870	25.27	—	VUD8	Delhi (India)	
11.880	25.25	10	VLG5	Lyndhurst (Australia)	
11.880	25.25	10	VLH4	" "	
11.880	25.25	1	XERH	Mexico City (Mexico)	
11.880	25.25	—	—	Moscow (U.S.S.R.)	
11.880	25.25	—	XGSN	Nanking (China)	
11.885	25.24	25	—	Muret (France)	
11.887	25.26	10	LRR	Rosario (Argentina)	
11.890	25.23	100	KRHO	Honolulu (Hawaii)	
11.890	25.23	50	WNRE	Bound Brook, N.J. (U.S.A.)	
11.890	25.23	50	WNRA	" " " "	
11.890	25.23	50	WNRX	" " " "	
11.890	25.23	50	WNRI	" " " "	
11.890	25.23	50	KWIX	San Francisco, Cal. (U.S.A.)	
11.893	25.22	50	WNBI	Bound Brook, N.J. (U.S.A.)	
11.893	25.22	50	WRCA	" " " "	
11.900	25.21	100	KWID	San Francisco, Cal. (U.S.A.)	
11.900	25.21	50	CKEX	Sackville, N.B. (Canada)	
11.900	25.21	20	CXA10	Montevideo (Uruguay)	
11.900	25.21	10	VLG9	Lyndhurst (Australia)	
11.900	25.21	5	CE1190	Valparaiso (Chile)	
11.900	25.21	—	XGOY	Chungking (China)	
11.910	25.19	—	—	Moscow (U.S.S.R.)	
11.913	25.18	35	XGOY	Chungking (China)	
11.930	25.15	—	GVX	British Overseas Service	

Mc/s	Metres	kW	Call	Station	Notes
11.940	25.13	12	CNR2	Rabat (Morocco)	
11.950	25.10	3	ZPA5	Encarnacion (Paraguay)	
11.955	25.09	—	GVY	British Overseas Service	
11.960	25.08	25	HEK4	Schwarzenburg (Switzerland)	
11.970	25.06	50	FZI	Brazzaville (Fr. Eq. Africa)	
12.000	25.00	—	—	Moscow (U.S.S.R.)	
12.040	24.92	—	GRV	British Overseas Service	PLMOUTH
12.095	24.80	—	GRF	" " "	
12.116	24.76	12	TPZ	Algiers (Algeria)	
12.140	24.70	—	—	Vienna (Austria: U.S.S.R. Zone)	
12.235	24.52	7	TFJ	Reykjavik (Iceland)	
12.455	24.09	10	HCJB	Quito (Ecuador)	
13.050	22.99	50	WNR1	Bound Brook, N.J. (U.S.A.)	
13.320	22.52	—	—	Omdurman (Sudan)	
14.462	20.74	25	HBZ3	Schwarzenburg (Switzerland)	
14.538	20.64	25	HBZ2	" "	
14.560	20.60	50	WNRX	Bound Brook, N.J. (U.S.A.)	
15.040	19.95	—	—	Moscow (U.S.S.R.)	M. IW
15.070	19.91	—	GWC	British Overseas Service	PLMOUTH
15.090	19.88	50	CKLX	Sackville, N.B. (Canada)	
15.100	19.87	100	—	Allouis (France)	
15.105	19.86	—	XGSO	Nanking (China)	
15.110	19.85	—	GWG	British Overseas Service	
15.120	19.84	100	—	Colombo (Ceylon)	
15.120	19.84	25	HVJ	Vatican City	
15.120	19.84	25	HED7	Schwarzenburg (Switzerland)	
15.130	19.83	200	WLWS	Cincinnati, Ohio (U.S.A.)	
15.130	19.83	50	KGEI	Belmont, Cal. (U.S.A.)	
15.130	19.83	50	WRUA	Boston, Mass. (U.S.A.)	P. IW
15.130	19.83	50	WRUL	" " "	PLMOUTH
15.130	19.83	50	WRUS	" " "	
15.130	19.83	20	WRUW	" " "	
15.130	19.83	—	VUD3	Delhi (India)	
15.135	19.82	—	XGSP	Nanking (China)	
15.140	19.82	—	GSF	British Overseas Service	JUST P
15.145	19.81	20	—	Rio de Janeiro (Brazil)	RELEV P
15.150	19.80	50	WNRE	Bound Brook, N.J. (U.S.A.)	
15.150	19.80	50	WNRI	" " " "	
15.150	19.80	50	WNRX	" " " "	



Mc/s	Metres	kW	Call	Station	Notes
15.150	19.80	50	WNRA	Bound Brook, N.J. (U.S.A.)	S IN LYONS
15.150	19.80	50	WRCA	" " " "	
15.150	19.80	50	WNBI	" " " "	
15.150	19.80	10	SBT	Motala (Sweden)	
15.155	19.79	25	ZYB9	Sao Paulo (Brazil)	H IN PLYMOUTH
15.160	19.79	10	VLG7	Lyndhurst (Australia)	H IN PLYMOUTH
15.160	19.79	—	VUD7	Delhi (India)	
15.160	19.79	—	HOXA	Panama City (Panama)	
15.165	19.78	10	PRE9	Fortaleza (Brazil)	
15.167	19.78	—	RW96	Moscow (U.S.S.R.)	S IN BROAD EAST
15.170	19.77	50	OTC4	Léopoldville (Belgian Congo)	
15.170	19.77	10	TGWA	Guatemala City (Guatemala)	
15.180	19.76	—	GSO	British Overseas Service	
15.190	19.75	50	CKCX	Sackville, N.B. (Canada)	
15.190	19.75	50	WNBI	Bound Brook, N.J. (U.S.A.)	
15.190	19.75	50	WNR1	" " " "	
15.190	19.75	50	WNRX	" " " "	
15.190	19.75	50	WNRE	" " " "	
15.190	19.75	50	WNRA	" " " "	
15.190	19.75	50	WRCA	" " " "	
15.190	19.75	15	OIX4	Pori (Finland)	
15.190	19.75	7.5	CBFZ	Verchères, Quebec (Canada)	
15.190	19.75	—	VUD5	Delhi (India)	
15.195	19.74	—	TAQ	Ankara (Turkey)	
15.200	19.74	200	WLWS	Cincinnati, Ohio (U.S.A.)	
15.200	19.74	100	VLA6	Shepparton (Australia)	
15.200	19.74	100	VLB6	" " " "	
15.200	19.74	50	WOOC	Wayne, N.J. (U.S.A.)	
15.200	19.74	20	XGOX	Chungking (China)	
15.210	19.72	100	KGEX	Belmont, Cal. (U.S.A.)	
15.210	19.72	50	WBOS	Boston, Mass. (U.S.A.)	
15.210	19.72	50	KGEI	Belmont, Cal. (U.S.A.)	
15.210	19.72	50	VLC11	Shepparton (Australia)	X IN PLYM
15.210	19.72	—	VUD3	Delhi (India)	
15.215	19.72	10	CSW4	Lisbon (Portugal)	
15.220	19.71	50	CHTA	Sackville, N.B. (Canada)	
15.220	19.71	30	PCJ	Huizen (Holland)	
15.225	19.70	—	XGSQ	Nanking (China)	
15.230	19.70	200	WLWL	Cincinnati, Ohio (U.S.A.)	

Mc/s	Metres	kW	Call	Station	Notes
15.230	19.70	17	OLR5A	Podebrady (Czechoslovakia)	
15.230	19.70	10	VLG6	Lyndhurst (Australia)	
15.230	19.70	—	—	Moscow (U.S.S.R.)	ABOVE S
15.235	19.69	—	XGSR	Nanking (China)	LW PATENTS
15.240	19.69	100	—	Allouis (France)	
15.240	19.69	50	KCBA	Delano, Cal. (U.S.A.)	
15.240	19.69	10	CR7BD	Lourenco Marques (Mozambique)	
15.240	19.69	10	VLH5	Lyndhurst (Australia)	
15.250	19.67	200	WLWL	Cincinnati, Ohio (U.S.A.)	
15.250	19.67	200	WLWS	" " "	
15.250	19.67	200	WLWR	" " "	
15.250	19.67	100	KRHO	Honolulu (Hawaii)	
15.250	19.67	75	WLWO	Cincinnati, Ohio (U.S.A.)	
15.250	19.67	50	WBOS	Boston, Mass. (U.S.A.)	
15.250	19.67	50	KNBX	Dixon, Cal. (U.S.A.)	
15.250	19.67	50	WLWK	Cincinnati, Ohio (U.S.A.)	
15.260	19.66	—	GSI	British Overseas Service	
15.267	19.65	50	WCBX	Brentwood, N.Y. (U.S.A.)	
15.267	19.65	50	WCRC	" " "	
15.267	19.65	10	WCDA	" " "	
15.270	19.65	50	WCBN	" " "	
15.270	19.65	50	WCBX	" " "	
15.270	19.65	50	WOOW	Wayne, N.J. (U.S.A.)	
15.270	19.65	50	WOOC	" " "	
15.280	19.63	50	WNRE	Bound Brook, N.J. (U.S.A.)	
15.285	19.63	10	CR7BG	Lourenco Marques (Mozambique)	
15.290	19.62	100	KWID	San Francisco, Cal. (U.S.A.)	
15.290	19.62	50	WRUL	Boston, Mass. (U.S.A.)	
15.290	19.62	50	KWIX	San Francisco, Cal. (U.S.A.)	
15.290	19.62	—	VUD11	Delhi (India)	
15.300	19.61	—	GWR	British Overseas Service	
15.300	19.61	2.5	CXA18	Montevideo (Uruguay)	
15.300	19.61	1	CP7	La Paz (Bolivia)	
15.305	19.60	25	HER6	Schwarzenburg (Switzerland)	
15.310	19.60	—	GSP	British Overseas Service	
15.315	19.59	50	VLC4	Shepparton (Australia)	
15.320	19.58	50	CKCS	Sackville, N.B. (Canada)	

Mc/s	Metres	kW	Call	Station	Notes
15.320	19.58	25	HEI7	Schwarzenburg (Switzerland)	.....
15.320	19.58	5	OZH	Copenhagen (Denmark)	.....
15.330	19.57	200	KCBR	Delano, Cal. (U.S.A.)	.....
15.330	19.57	100	WGEO	Schenectady, N.Y. (U.S.A.)	.....
15.330	19.57	50	WGEA	" " "	.....
15.330	19.57	50	KGEI	Belmont, Cal. (U.S.A.)	.....
15.340	19.56	50	KNBX	Dixon, Cal. (U.S.A.)	.....
15.345	19.55	12	FHE2	Dakar (Fr. W. Africa)	.....
15.350	19.54	75	WLWO	Cincinnati, Ohio (U.S.A.)	.....
15.350	19.54	50	WRUA	Boston, Mass. (U.S.A.)	.....
15.350	19.54	50	WRUL	" " "	.....
15.350	19.54	50	WRUS	" " "	.....
15.350	19.54	25	—	Realtort (France)	.....
15.350	19.54	20	WRUW	Boston, Mass. (U.S.A.)	.....
15.350	19.54	—	VUD8	Delhi (India)	.....
15.360	19.53	—	—	Moscow (U.S.S.R.)	.....
15.370	19.52	25	ZYC9	Rio de Janeiro (Brazil)	.....
15.385	19.50	—	GRE	British Overseas Service	.....
15.410	19.46	—	—	Moscow (U.S.S.R.)	.....
15.420	19.46	—	GWD	British Overseas Service	.....
15.435	19.44	—	GWE	" " "	.....
15.440	19.43	—	—	Moscow (U.S.S.R.)	.....
15.450	19.42	—	GRD	British Overseas Service	.....
15.530	19.31	2	—	Teheran (Iran)	.....
15.595	19.24	50	FZI	Brazzaville (French Eq. Africa)	.....
15.715	19.09	—	—	Moscow (U.S.S.R.)	.....
16.666	18.00	2	—	Rabat (Morocco)	.....
17.450	17.19	25	HVJ	Vatican City	.....
17.530	17.32	1.5	—	Brazzaville (Fr. Eq. Africa)	.....
17.700	16.95	—	GVP	British Overseas Service	.....
17.715	16.93	—	GRA	" " "	.....
17.720	16.93	10	LRA5	Buenos Aires (Argentina)	.....
17.730	16.92	—	GVQ	British Overseas Service	.....
17.750	16.90	50	WRUA	Boston, Mass. (U.S.A.)	.....
17.750	16.90	50	WRUS	" " "	.....
17.750	16.90	50	WRUL	" " "	.....
17.750	16.90	20	WRUW	" " "	.....
17.755	16.90	—	XGSS	Nanking (China)	.....
17.760	16.89	100	KWID	San Francisco, Cal. (U.S.A.)	.....

Mc/s	Metres	kW	Call	Station	Notes
17.760	16.89	50	KWIX	San Francisco, Cal. (U.S.A.)	.....
17.760	16.89	—	VUD3	Delhi (India)	.....
17.765	16.88	25	—	Muret (France)	.....
17.770	16.88	100	—	Colombo (Ceylon)	.....
17.770	16.88	50	KNBI	Dixon, Cal., (U.S.A.)	.....
17.770	16.88	50	KNBA	" " "	.....
17.770	16.88	50	—	Léopoldville (Belgian Congo)	.....
17.770	16.88	25	HED8	Schwarzenburg (Switzerland)	.....
17.775	16.88	5	PHI	Huizen (Holland)	.....
17.780	16.87	50	WBOS	Boston, Mass. (U.S.A.)	.....
17.780	16.87	50	WRCA	Bound Brook, N.J. (U.S.A.)	.....
17.780	16.87	50	WNBI	" " "	.....
17.784	16.87	25	HER7	Schwarzenburg (Switzerland)	.....
17.785	16.87	—	XGST	Nanking (China)	.....
17.790	16.86	—	GSG	British Overseas Service	.....
17.800	16.85	200	WLWS	Cincinnati, Ohio (U.S.A.)	.....
17.800	16.85	200	WLWR	" " "	.....
17.800	16.85	200	WLWL	" " "	.....
17.800	16.85	100	VLA7	Shepparton (Australia)	.....
17.800	16.85	100	VLB7	" " "	.....
17.800	16.85	100	KRHO	Honolulu (Hawaii)	.....
17.800	16.85	75	WLWO	Cincinnati, Ohio (U.S.A.)	.....
17.800	16.85	50	WLWK	" " "	.....
17.800	16.85	20	XGOX	Chungking (China)	.....
17.810	16.84	—	GSV	British Overseas Service	.....
17.810	16.84	—	—	Moscow (U.S.S.R.)	.....
17.820	16.84	50	CKNC	Sackville, N.B. (Canada)	.....
17.830	16.83	50	WCRC	Brentwood, N.Y. (U.S.A.)	.....
17.830	16.83	50	WCBX	" " "	.....
17.830	16.83	50	WCBN	" " "	.....
17.830	16.83	50	WOOW	Wayne, N.J. (U.S.A.)	.....
17.830	16.83	50	WOOC	" " "	.....
17.830	16.83	10	WCDA	Brentwood, N.Y. (U.S.A.)	.....
17.830	16.83	—	VUD10	Delhi (India)	.....
17.835	16.82	—	XGSU	Nanking (China)	.....
17.840	16.82	50	—	Brazzaville (French Eq. Africa)	.....
17.840	16.82	50	VLC9	Shepparton (Australia)	.....
17.845	16.81	5	—	Ruiselede (Belgium)	.....
17.845	16.81	—	XGSV	Nanking (China)	.....

Mc/s	Metres	kW	Call	Station	Notes
17.850	16.81	50	PRL9	Rio de Janeiro (Brazil)	.....
17.850	16.81	50	KCBF	Delano, Cal. (U.S.A.)	.....
17.850	16.81	25	—	Muret (France)	.....
17.910	16.75	—	—	Moscow (U.S.S.R.)	.....
17.955	16.71	200	WLWR	Cincinnati, Ohio (U.S.A.)	.....
17.955	16.71	200	WLWL	" " "	.....
18.025	16.64	—	GRQ	British Overseas Service	.....
18.080	16.59	—	GVO	" " "	.....
18.130	16.55	—	GRP	" " "	.....
18.150	16.53	25	HVJ	Vatican City	.....
18.160	16.52	50	WNRA	Bound Brook, N.J. (U.S.A.)	.....
18.390	16.31	200	WLWS	Cincinnati, Ohio (U.S.A.)	.....
18.450	16.26	20	HBF	Geneva (Switzerland)	.....
18.540	16.18	—	—	Moscow (U.S.S.R.)	.....
21.450	13.99	5	—	Ruiselede (Belgium)	.....
21.450	13.99	—	XGSW	Nanking (China)	.....
21.460	13.98	50	WRUA	Boston, Mass. (U.S.A.)	.....
21.460	13.98	50	WRUL	" " "	.....
21.460	13.98	50	WRUS	" " "	.....
21.470	13.97	—	GSH	British Overseas Service	.....
21.480	13.96	5	PHI	Huizen (Holland)	.....
21.500	13.95	50	WGEA	Schenectady, N.Y. (U.S.A.)	.....
21.500	13.95	50	WOOW	Wayne, N.J. (U.S.A.)	.....
21.510	13.95	—	XGSX	Nanking (China)	.....
21.520	13.94	50	WCBN	Brentwood, N.Y. (U.S.A.)	.....
21.520	13.94	50	WCBX	" " "	.....
21.520	13.94	50	WCRC	" " "	.....
21.520	13.94	50	WOOC	Wayne, N.J. (U.S.A.)	.....
21.520	13.94	50	WOOW	" " "	.....
21.520	13.94	10	WCDA	Brentwood, N.Y. (U.S.A.)	.....
21.530	13.93	—	GSJ	British Overseas Service	.....
21.540	13.93	50	WBOS	Boston, Mass. (U.S.A.)	.....
21.550	13.92	—	GST	British Overseas Service	.....
21.550	13.92	10	—	Rio de Janeiro (Brazil)	.....
21.550	13.92	—	XGSY	Nanking (China)	.....
21.570	13.91	50	WCBX	Brentwood, N.Y. (U.S.A.)	.....
21.570	13.91	50	WCBN	" " "	.....
21.570	13.91	50	WCRC	" " "	.....
21.570	13.91	50	WOOW	Wayne, N.J. (U.S.A.)	.....

Mc/s	Metres	kW	Call	Station	Notes
21.570	13.91	50	WOOC	Wayne, N.J. (U.S.A.)	.....
21.570	13.91	10	WCDA	Brentwood, N.Y. (U.S.A.)	.....
21.590	13.89	100	VLA9	Shepparton (Australia)	.....
21.590	13.89	50	WGEA	Schenectady, N.Y. (U.S.A.)	.....
21.600	13.89	100	VLA9	Shepparton (Australia)	.....
21.600	13.89	100	VLB8	" " "	.....
21.610	13.88	100	KWID	San Francisco, Cal. (U.S.A.)	.....
21.610	13.88	50	WNRX	Bound Brook, N.J. (U.S.A.)	.....
21.610	13.88	50	KNBA	Dixon, Cal. (U.S.A.)	.....
21.610	13.88	50	KNBI	" " "	.....
21.610	13.88	50	CWIX	San Francisco, Cal. (U.S.A.)	.....
21.620	13.88	—	XGSZ	Nanking (China)	.....
22.630	13.87	50	WRCA	Bound Brook, N.J. (U.S.A.)	.....
21.630	13.87	50	WNBI	" " " "	.....
21.630	13.87	50	WNRX	" " " "	.....
21.630	13.87	50	WNR1	" " " "	.....
21.630	13.87	50	WNRE	" " " "	.....
21.630	13.87	50	WNRA	" " " "	.....
21.640	13.86	—	GRZ	British Overseas Service	.....
21.650	13.86	200	WLWS	Cincinnati, Ohio (U.S.A.)	.....
21.650	13.85	200	WLWR	" " "	.....
21.650	13.85	200	WLWL	" " "	.....
21.650	13.85	75	WLWO	" " "	.....
21.650	13.85	50	WLWK	" " "	.....
21.675	13.84	—	GVR	British Overseas Service	.....
21.680	13.84	50	VLC10	Shepparton (Australia)	.....
21.710	13.82	—	GVS	British Overseas Service	.....
21.710	13.82	50	CHLA	Sackville, N.B. (Canada)	.....
21.715	13.82	5	—	Ruiselede (Belgium)	.....
21.740	13.80	100	—	Allouis (France)	.....
21.750	13.79	—	GVT	British Overseas Service	.....
25.600	11.72	20	WRUW	Boston, Mass. (U.S.A.)	.....
26.100	11.49	—	GSK	British Overseas Service	.....
26.200	11.45	5	—	Ruiselede (Belgium)	.....
26.470	11.33	5	—	" " "	.....
27.000	11.11	2.5	CXA11	Montevideo (Uruguay)	.....

# Geographical List of Short-wave Stations

	Mc/s	Australia—Cont.	Mc/s
<b>ALBANIA</b>		Shepparton, Vic.	7.280
Tirana	7.700	"	9.540
"	7.850	"	9.615
<b>ALGERIA</b>		"	9.680
Algiers	9.610	"	11.760
"	9.660	"	11.770
"	11.735	"	11.840
"	12.116	"	15.200
<b>ANDORRA</b>	5.980	"	15.210
<b>ARGENTINA</b>		"	15.315
Buenos Aires	6.065	"	17.800
"	6.090	"	17.840
"	6.120	"	21.590
"	9.573	"	21.600
"	9.640	"	21.680
"	9.660	<b>AUSTRIA</b>	
"	9.690	(U.S. Zone)	
"	11.730	Salzburg	7.220
"	17.720	(U.S.S.R. Zone)	
Mendoza	6.180	Vienna	6.195
Rosario	11.887	"	7.195
<b>AUSTRALIA</b>		"	9.800
Brisbane, Qld.	7.215	"	12.140
"	7.240	<b>BELGIAN CONGO</b>	
"	9.660	Léopoldville	6.140
Lyndhurst, Vic.	6.150	"	9.380
"	9.540	"	9.845
"	9.580	"	10.140
"	11.710	"	15.170
"	11.760	"	17.770
"	11.840	<b>BELGIUM</b>	
"	11.880	Ruiselede	9.665
"	11.900	"	11.850
"	15.160	"	17.845
"	15.230	"	21.450
"	15.240	"	21.715
Perth, W.A.	9.520	"	26.200
"	11.830	"	26.470

	Mc/s	Canada—Cont.	Mc/s
<b>BOLIVIA</b>		Sackville, N.B.	15.320
La Paz	6.110	"	17.820
"	9.505	"	21.710
"	9.520	Sydney, N.S.	6.010
"	9.700	Toronto, Ont.	6.070
"	15.300	Verchères, Quebec	6.090
<b>BRAZIL</b>		"	9.630
Fortaleza	15.165	"	11.705
Marapicu	9.500	"	15.190
"	9.600	Winnipeg, Manitoba	6.150
"	11.850	"	11.720
Recife	6.015	<b>CANARY ISLANDS</b>	
Rio de Janeiro	9.610	Teneriffe	7.268
"	9.720	<b>CEYLON</b>	
"	11.720	Colombo	6.075
"	15.145	"	9.520
"	15.370	"	11.770
"	17.850	"	15.120
"	21.550	"	17.770
Sao Paulo	6.095	<b>CHILE</b>	
"	11.765	Antofagasta	6.010
"	15.155	Santiago	6.220
<b>BULGARIA</b>		"	6.250
Sofia	7.670	"	9.600
"	9.350	"	9.700
<b>BURMA</b>		"	11.740
Rangoon	6.040	"	11.800
"	11.845	"	11.850
<b>CANADA</b>		Valparaiso	6.150
Sackville, N.B.	6.090	"	9.700
"	6.160	"	11.900
"	9.610	<b>CHINA</b>	
"	9.630	Chungking	6.146
"	9.640	"	7.153
"	11.705	"	9.635
"	11.720	"	9.720
"	11.760	"	11.900
"	11.900	"	11.913
"	15.090	"	15.200
"	15.190	"	17.800
"	15.220	Kweiyang	6.990

	Mc/s		Mc/s
<b>China—Cont.</b>		<b>Cuba—Cont.</b>	
Nanking	5.918	Havana	11.740
"	9.535	Regia	6.130
"	9.605	Santa Clara	6.455
"	9.655	Santiago	7.058
"	9.675	<b>CZECHOSLOVAKIA</b>	
"	11.725	Podebrady	6.010
"	11.735	"	6.030
"	11.800	"	6.170
"	11.880	"	9.550
"	15.105	"	11.840
"	15.135	"	15.230
"	15.225	<b>DENMARK</b>	
"	15.235	Copenhagen	9.520
"	17.755	"	15.320
"	17.785	<b>DOMINICAN REPUBLIC</b>	
"	17.835	Ciudad Trujillo	6.243
"	17.845	"	6.391
"	21.450	<b>ECUADOR</b>	
"	21.510	Guayaquil	9.310
"	21.550	Quito	7.265
"	21.620	"	9.958
"	6.100	"	12.455
Peiping	10.260	<b>EGYPT</b>	
"	11.780	Cairo	7.867
Shanghai		"	10.055
<b>COLOMBIA</b>		<b>EL SALVADOR</b>	
Bogota	6.160	San Salvador	6.150
"	6.180	"	7.270
"	9.690	"	7.894
Manizales	6.105	"	9.575
Medellin	6.145	<b>FINLAND</b>	
Pereira	6.054	Helsinki	6.120
"	6.097	Lahti	9.500
<b>COSTA RICA</b>		"	11.780
San Jose	9.150	"	15.190
"	9.615	Pori	
<b>CUBA</b>		<b>FRANCE</b>	
Camaguey	8.660	Allouis	6.160
Guanabacoa	9.440	"	6.175
Havana	6.040	"	9.500
"	8.825	"	9.520
"	9.640	"	9.550

	Mc/s		Mc/s
<b>France—Cont.</b>		<b>Germany—Cont.</b>	
Allouis	9.675	(U.S. Zone)	
"	9.685	Munich	6.080
"	11.700	"	8.565
"	11.710	<b>GOLD COAST</b>	7.050
"	11.730	<b>GREAT BRITAIN</b>	
"	11.870	British Overseas Service	6.010
"	15.100	"	6.050
"	15.240	"	6.070
"	21.740	"	6.110
Les Essarts	9.560	"	6.125
Muret	11.845	"	6.150
"	11.885	"	6.180
"	17.765	"	6.195
"	17.850	"	7.075
Realtort	9.620	"	7.120
"	15.350	"	7.150
<b>FRENCH EQ. AFRICA</b>		"	7.185
Brazzaville	6.024	"	7.230
"	9.440	"	7.260
"	11.970	"	7.280
"	15.595	"	7.320
"	17.530	"	9.410
"	17.840	"	9.490
Libreville	9.320	"	9.510
<b>FRENCH INDO-CHINA</b>		"	9.580
Saigon	11.778	"	9.600
<b>FRENCH W. AFRICA</b>		"	9.625
Dakar	4.893	"	9.640
"	6.917	"	9.660
"	7.210	"	9.690
"	8.890	"	9.825
"	9.405	"	9.915
"	9.562	"	11.680
"	11.712	"	11.700
"	15.345	"	11.730
<b>GERMANY</b>		"	11.750
(British Zone)		"	11.770
Hamburg	7.290	"	11.800
(French Zone)		"	11.820
Baden Baden	6.320	"	11.860
"	7.250	"	11.930

Great Britain—Cont.	Mc/s	Hawaii—Cont.	Mc/s
British Overseas Service	11.955	Honolulu	11.890
" " "	12.040	"	15.250
" " "	12.095	"	17.800
" " "	15.070	<b>HOLLAND</b>	
" " "	15.110	Huizen	6.250
" " "	15.140	"	9.590
" " "	15.180	"	11.730
" " "	15.260	"	15.220
" " "	15.300	"	17.775
" " "	15.310	"	21.480
" " "	15.385	<b>HONG KONG</b>	
" " "	15.420	Victoria	9.570
" " "	15.435	<b>ICELAND</b>	
" " "	15.450	Reykjavik	12.235
" " "	17.700	<b>INDIA</b>	
" " "	17.715	Bombay	4.880
" " "	17.730	"	6.150
" " "	17.790	"	7.240
" " "	17.810	"	9.630
" " "	18.025	Calcutta	4.840
" " "	18.080	"	6.010
" " "	18.130	"	9.530
" " "	21.470	Delhi	4.860
" " "	21.530	"	4.960
" " "	21.550	"	6.010
" " "	21.640	"	6.060
" " "	21.675	"	6.100
" " "	21.710	"	6.190
" " "	21.750	"	7.210
" " "	26.100	"	7.290
<b>GREECE</b>		"	9.590
Athens	7.295	"	9.630
<b>GUATEMALA</b>		"	9.670
Guatemala City	6.460	"	11.760
" "	15.170	"	11.790
Quezaltenango	6.400	"	11.830
<b>HAITI</b>		"	11.850
Port-au-Prince	6.163	"	11.870
<b>HAWAII</b>		"	15.130
Honolulu	6.120	"	15.160
"	9.650	"	15.190

India—Cont.	Mc/s	Mozambique—Cont.	Mc/s
Delhi	15.210	Lourenco Marques	9.837
"	15.290	" "	11.835
"	15.350	" "	15.240
"	17.760	" "	15.285
"	17.830	<b>NORWAY</b>	
Madras	6.085	Fredrikstad	6.130
"	7.255	"	11.735
"	9.565	Oslo	6.200
<b>IRAN</b>		"	9.540
Teheran	4.830	<b>PALESTINE</b>	
"	6.155	Jerusalem	7.220
"	9.680	"	11.750
"	15.530	<b>PANAMA</b>	
<b>IRAQ</b>		Colon	6.005
Baghdad	9.084	Panama City	9.607
"	9.820	" "	9.660
<b>ITALY</b>		" "	11.700
Rome	6.030	" "	11.815
Turin	9.630	" "	15.160
"	11.810	<b>PARAGUAY</b>	
<b>KENYA</b>		Asuncion	6.300
Nairobi	4.949	"	11.850
<b>LUXEMBOURG</b>		Encarnacion	11.950
6.020		<b>PERU</b>	
<b>MALAYA</b>		Lima	6.020
Kuala Lumpur	6.090	"	6.082
"	6.165	"	6.370
Singapore	11.735	"	9.562
<b>MEXICO</b>		<b>PHILIPPINES</b>	
Mexico City	6.000	Manila	9.640
" "	6.010	<b>POLAND</b>	
" "	9.500	Warsaw	6.115
" "	9.610	"	9.526
" "	9.680	<b>PORTUGAL</b>	
" "	11.880	Lisbon	6.200
Monterey	9.555	"	7.260
<b>MOROCCO</b>		"	11.030
Rabat	9.082	"	11.840
"	11.940	"	15.215
"	16.666	<b>ROUMANIA</b>	
<b>MOZAMBIQUE</b>		Bucharest	9.250
Lourenco Marques	9.645		

	Mc/s	Switzerland—Cont.	Mc/s
<b>SIAM</b>		Schwarzenburg	14.462
Bangkok	6.002	"	14.538
<b>SOUTH AFRICA</b>		"	15.120
Cape Town	5.883	"	15.305
"	9.606	"	15.320
Johannesburg	6.007	"	17.770
"	6.097	"	17.784
"	9.523	<b>SYRIA</b>	
"	9.902	Beirut	6.090
<b>SPAIN</b>		"	7.210
Alicante	7.950	"	8.037
Aranjuez	9.860	<b>TURKEY</b>	
Cordoba	7.040	Ankara	9.465
Cuenca	7.100	"	15.195
Madrid	9.370	<b>UNITED STATES of AMERICA</b>	
Malaga	7.050	Belmont, Cal.	6.190
<b>SUDAN</b>		"	7.250
Omdurman	9.650	"	9.530
"	13.320	"	9.550
<b>SWEDEN</b>		"	11.730
Motala	6.065	"	15.130
"	9.535	"	15.210
"	10.780	"	15.330
"	11.705	Boston, Mass.	6.040
"	15.150	"	6.140
<b>SWITZERLAND</b>		"	9.550
Geneva	18.450	"	9.570
Schwarzenburg	6.165	"	9.700
"	6.345	"	11.730
"	7.360	"	11.790
"	7.380	"	11.870
"	9.185	"	15.130
"	9.535	"	15.210
"	9.539	"	15.250
"	9.545	"	15.290
"	9.655	"	15.350
"	10.405	"	17.750
"	11.715	"	17.780
"	11.775	"	21.460
"	11.865	"	21.540
"	11.960	"	25.600

	Mc/s	U.S.A.—Cont.	Mc/s
<b>U.S.A.—Cont.</b>		Bound Brook, N.J.	6.100
"	6.190	"	6.190
"	9.670	"	9.670
"	9.750	"	9.750
"	11.790	"	11.790
"	11.890	"	11.890
"	11.893	"	11.893
"	13.050	"	13.050
"	14.560	"	14.560
"	15.150	"	15.150
"	15.190	"	15.190
"	15.280	"	15.280
"	17.780	"	17.780
"	18.160	"	18.160
"	21.610	"	21.610
"	21.630	"	21.630
"	6.060	Brentwood, N.Y.	6.060
"	6.120	"	6.120
"	6.170	"	6.170
"	9.490	"	9.490
"	9.590	"	9.590
"	9.650	"	9.650
"	11.830	"	11.830
"	15.267	"	15.267
"	15.270	"	15.270
"	17.830	"	17.830
"	21.520	"	21.520
"	21.570	"	21.570
"	6.080	Cincinnati, Ohio	6.080
"	9.590	"	9.590
"	9.700	"	9.700
"	11.710	"	11.710
"	11.790	"	11.790
"	15.130	"	15.130
"	15.200	"	15.200
"	15.230	"	15.230
"	15.250	"	15.250
"	15.350	"	15.350
"	17.800	"	17.800
"	17.955	"	17.955
"	18.390	"	18.390
<b>U.S.A.—Cont.</b>		Cincinnati, Ohio	21.650
"	9.700	Delano, Cal.	9.700
"	9.750	"	9.750
"	11.770	"	11.770
"	11.810	"	11.810
"	15.240	"	15.240
"	15.330	"	15.330
"	17.850	"	17.850
"	9.490	Dixon, Cal.	9.490
"	9.650	"	9.650
"	11.790	"	11.790
"	15.250	"	15.250
"	15.340	"	15.340
"	17.770	"	17.770
"	21.610	"	21.610
"	6.060	San Francisco, Cal.	6.060
"	7.230	"	7.230
"	9.570	"	9.570
"	11.870	"	11.870
"	11.890	"	11.890
"	11.900	"	11.900
"	15.290	"	15.290
"	17.760	"	17.760
"	21.610	"	21.610
"	6.190	Schenectady, N.Y.	6.190
"	7.000	"	7.000
"	9.530	"	9.530
"	9.550	"	9.550
"	11.810	"	11.810
"	11.847	"	11.847
"	15.330	"	15.330
"	21.500	"	21.500
"	21.590	"	21.590
"	6.120	Wayne, N.J.	6.120
"	6.170	"	6.170
"	9.490	"	9.490
"	9.650	"	9.650
"	11.810	"	11.810
"	11.830	"	11.830
"	11.870	"	11.870
"	15.200	"	15.200





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