

**'WIRELESS WORLD'**

**Guide to  
Broadcasting  
Stations**

**1957 - 58**



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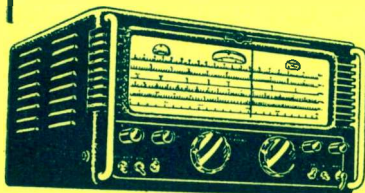
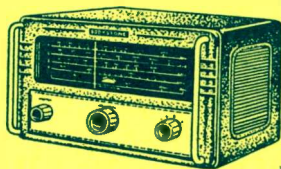
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***Guide to  
Broadcasting  
Stations***

**1957-58**

COMPILED BY THE STAFF OF  
" WIRELESS WORLD "

*A " Wireless World " Publication*

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## Introduction

**M**ANY hundreds of additions and amendments have been made while revising the information for this tenth edition. While every endeavour is made to minimize errors some are inevitable for alterations are continually being made in the operating characteristics of broadcasting stations. The measured frequencies, for instance, often vary considerably from those on which some stations are stated to operate. We are, therefore, particularly grateful to the B.B.C. for once again allowing us to check the information, which is obtained from many sources, against frequency measurements made at the Tatsfield Station.

The list of short-wave stations covers the whole world, but the medium- and long-wave list includes only stations within the European Broadcasting Area. As will be seen from the map in the centre of the book this Area includes the western part of the U.S.S.R. and the territories bordering on the Mediterranean Sea, but those parts of Arabia and Saudi Arabia which come within this area were excluded from the Copenhagen Long- and Medium-Wave Plan.

With the growing number of v.h.f. sound broadcasting and television stations in Europe, the ranges of which are normally limited, it has not been found practicable to include other than those operating in the U.K.

Dorset House,  
London, S.E.1  
July, 1957

THE EDITOR,  
*Wireless World*

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## Long- and Medium-wave European Stations

The Copenhagen Plan (1948) provided for the operation of European long-wave and medium-wave broadcasting stations in 9-kc/s channels. As will be seen from the first column in the following table there are 15 channels in the long-wave band (150–285 kc/s), 121 in the medium-wave band (525–1605 kc/s) and 3 intermediate channels, marked X1–X3. Many stations are, however, operating on frequencies not allocated to their countries under the Plan; particulars of these stations are italicized. Some stations provided for in the Plan are not yet using the frequencies allocated; these are marked † in the power column. Stations operating on the international common frequencies (1484 and 1594) are included in the geographical list only. Where a country is operating a number of very low-power stations—not necessarily synchronized—on the same frequency the abbreviation “L.P. stations” is used. Frequencies used only during either the day or night are indicated respectively by D or N

A list of abbreviations will be found on page 61.

Chan.	kc/s	Metres	kW	Station and Country	
— 01	151	1,987	50	Hamburg (N.D.R.)	Germany (W.)
			—	Moscow, Russia	U.S.S.R.
1	155	1,935	10	Tromsø	Norway
			100	Brasov	Rumania
2	164	1,829	250	Alouis	France *
3	173	1,734	500	Koenigswusterhausen	Germany (E.)
			1,000	Munich (V.G.A.)	Germany (W.)
			500	Moscow, Russia	U.S.S.R.
4	182	1,648	100	Reykjavik	Iceland
			10	Lulea	Sweden
			120	Ankara	Turkey
4A	185	1,622	100	Koenigswusterhausen	Germany (E.)
			400	Felsberg	Saarland *
5	191	1,571	150	Motala	Sweden
6	200	1,500	400	Droitwich, Worcs	Great Britain *
			—	Moscow, Russia	U.S.S.R.
7	209	1,435	150	Kiev, Ukraine	U.S.S.R.
8	218	1,376	200	Oslo	Norway *
9	227	1,322	200	Warsaw	Poland
9A	233	1,288	150	Luxembourg	Luxembourg *
10	236	1,271	100	Moscow, Russia	U.S.S.R.
11	245	1,224	150	Kalundborg	Denmark *
12	254	1,181	200	Lahti	Finland
			—	Voronezh, Russia	U.S.S.R.
13	263	1,141	20	Koenigswusterhausen	Germany (E.)
			150	Leningrad, Russia	U.S.S.R.
14	272	1,103	200	Uherske Hradiste	Czechoslovakia *
15	281	1,067	100	Minsk, Byelorussia	U.S.S.R.
— 16	385	779	50	Kharkov, Ukraine	U.S.S.R.
			100	Moscow, Russia	U.S.S.R.
— 17	400	750	—	Minsk, Byelorussia	U.S.S.R.
X1	420	714.3	10	Ostersund	Sweden

1.220 mc/s to 32.000 mc/s

Chan.	kc/s	Metres	kW	Station and Country	
X2	433	693	15	Oulu	Finland
X3	520	576.9	8	Innsbruck	Austria
			—	5 L.P. Stations	Austria
			1	Joensuu	Finland
			5	Beeskow-Sarnow	Germany (E.)
			2	Brunswick (N.D.R.)	Germany (W.)
			5	Nueremburg (B.R.)	Germany (W.)
			—	3 L.P. Stations (B.R.)	Germany (W.)
①	529	567.1	—	Berlin-Koepenick	Germany (East)
			150	Beromuenster	Switzerland
②	539	556.6	135	Budapest	Hungary
③	548	547.4	—	Nicosia (B.F.N.)	Cyprus
			100	Munich (A.F.N.)	Germany (West)
			150	Moscow, Russia	U.S.S.R.
			150	Odessa, Ukraine (D)	U.S.S.R.
④	557	538.6	20	Cairo	Egypt
			100	Helsinki	Finland
			20	Potsdam	Germany (East)
			0.05	Guarda	Portugal
			50	Monte Ceneri	Switzerland
⑤	566	530	—	2 L.P. Stations	Austria
			100	Athlone	Eire
			20	Berlin (R.F.B.)	Germany (West)
			25	Caltanissetta	Italy
— 5A	572	524.5	1	Khartoum	Sudan
6	575	521.7	120	Leipzig	Germany (East)
			300	Stuttgart (S.D.R.)	Germany (West)
			50	Tel-Aviv	Israel
			100	Riga, Latvia	U.S.S.R.
⑦	584	513.7	7	Klagenfurt	Austria
			10	Salzburg	Austria
			150	Vienna	Austria
			1	Paris	France
			150	Madrid	Spain
⑧	593	505.9	20	Sofia	Bulgaria
			1	Pleven	Bulgaria
			100	Frankfurt (H.R.)	Germany (West)
			20	Hoher Meissner (H.R.)	Germany (W.)
			150	Sundsvall	Sweden
			1.25	Tangier	Tangier
9	602	498.3	100	Lyons	France
			—	Karlmarxstadt	Germany (East)
			2	Damascus	Syria
— 9A	606	495	10	Nicosia	Cyprus
10	611	491	20	Berlin-Grunau	Germany (East)
			10	Grafenwohr (A.F.N.)	Germany (W.)
			10	Nueremburg (A.F.N.)	Germany (W.)
			5	Eidar	Iceland
			140	Meknes	French Morocco
			20	Krasnodar, Russia	U.S.S.R.
			100	Petrozavodsk, Karelia	U.S.S.R.
			100	Sarajevo	Yugoslavia
11	620	483.9	0.025	Bad-Aussee	Austria
			0.1	Eisenerz	Austria

Chan.	kc/s	Metres	kW	Station and Country	
(11)	(620)	(483.9)	150	Brussels	Belgium
			50	Cairo	Egypt
12	629	476.9	↑	Moalatya	Turkey
			25	Dornbirn	Austria
			25	Innsbruck	Austria
			0.05	Kitzbuehel	Austria
(13)	638	470.2	100	Vigra	Norway
			20	Tunis	Tunisia
			120	Prague	Czechoslovakia
14	647	463.7	7.5	Limassol	Cyprus
			5	Seville	Spain
			1	Lages	Azores
14A	652 656	460.1 457.3	150	Crowborough, Sussex	Great Britain
			150	Daventry, Northants.	Great Britain
			2	Edinburgh, Midlothian	Great Britain
			2	Glasgow	Great Britain
			2	Newcastle, North'd	Great Britain
			2	Redmoss, Aberdeen	Great Britain
			100	Simferopol, Russia	U.S.S.R.
			1	Tel-Aviv	Israel
			5	Greifswald	Germany (East)
			20	Bolzano	Italy
(15)	665	451.1	80	Florence	Italy
			80	Naples	Italy
			35	Turin	Italy
			20	Venice	Italy
			150	Murmansk, Russia	U.S.S.R.
			10	Kaiserslautern (A.F.N.)	Germany (W.)
			5	Athens	Greece
			0.7	Hoefn	Iceland
17	674	445.1	—	Amman	Jordan
			50	Lisbon	Portugal
			50	Damascus	Syria
			150	Kaunas, Lithuania (D)	U.S.S.R.
			—	5 L.P. Stations	Austria
17A	677	443.1	150	Rennes	France
			10	Bodo	Norway
			—	Chernovtsy, Ukraine	U.S.S.R.
(18)	683	439.2	0.05	Greifenburg-Kaernten	Austria
			20	Jerusalem	Jordan
			100	Berlin (R.I.A.S.)	Germany (West)
			15	Madrid	Spain
19	692	433.5	150	Belgrade	Yugoslavia
			—	5 L.P. Stations	Austria
			10	Nicosia	Cyprus
			20	Erfurt	Germany (East)
			2	Cromer, Norfolk	Great Britain
20	701	428	150	Moorside Edge, Yorks.	Great Britain
			2	Whitehaven, Cumb.	Great Britain
			20	Corunna	Spain
			100	Banska Bystrica	Czechoslovakia
			30	Bratislava	Czechoslovakia
			2	Hradec-Kralove	Czechoslovakia
			2	Kosice	Czechoslovakia

Chan.	kc/s	Metres	kW	Station and Country	
(20)	(701)	(428)	2	Liberec	Czechoslovakia
			140	Meknes	French Morocco
			5	Aachen (W.D.R.)	Germany (West)
			2	Herford (N.D.R.)	Germany (West)
			2	Norden (N.D.R.)	Germany (West)
21	710	422.5	20	Finnmark	Norway
			150	Istanbul	Turkey
			150	Marseilles	France
			2	Aleppo	Syria
			150	Stalino, Ukraine	U.S.S.R.
22	719	417.2	20	Tartu, Estonia	U.S.S.R.
			135	Munich (R.F.E.)	Germany (West)
			15	Lisbon	Portugal
			150	Ostersund	Sweden
23	728	412.1	20	Sarakeb	Syria
			25	Klagenfurt	Austria
			220	Schwerin	Germany (East)
24	737	407	150	Athens	Greece
			20	Berlin (R.I.A.S.)	Germany (West)
			40	Hof (R.I.A.S.)	Germany (West)
			5	Akureyri	Iceland
			0.5	Jerusalem	Israel
25	746	402.1	50	Warsaw	Poland
			30	Barcelona	Spain
			120	Hilversum	Netherlands
			20	Aleppo	Syria
26	25A 747	401.6	20	Kuopio	Finland
	755	397.3	2	Siegen (W.D.R.)	Germany (West)
27	764	392.6	10	Oporto	Portugal
			50	Timisoara	Rumania
			150	Sottens	Switzerland
28	773	388.1	100	Rostov-on-Don, Russia	U.S.S.R.
			—	5 L.P. Stations	Austria
			50	Cairo	Egypt
			—	Voronezh, Russia	U.S.S.R.
			5	Valencia	Spain
29	782	383.6	2	Malmberget	Sweden
			150	Stockholm	Sweden
			300	Burg	Germany (East)
			120	Berlin (R.I.A.S.)	Germany (West)
			100	Oporto-Miramar	Portugal
30	791	379.2	100	Kiev, Ukraine	U.S.S.R.
			1	Vatican City	Vatican City
			50	Salonika (V.o.A.)	Greece
31	800	375	†	Rennes	France
			100	Munich (B.R.)	Germany (West)
			1	Wheelus Field (A.F.N.)	Libya
			0.25	Regua	Portugal
			5	Seville	Spain
32	31A 805	372.7	100	Leningrad, Russia	U.S.S.R.
	809	370.8	—	Szekesfeharvar	Hungary
			100	Burghead, Moray	Great Britain
			2	Dumfries	Great Britain
			5	Redmoss, Aberdeen.	Great Britain



Chan.	kc/s	Metres	kW	Station and Country
(32)	(809)	(370.8)	100	Westerglen, Stirling. Great Britain
			10	Barcelona Spain
			135	Skoplje Yugoslavia
33	818	366.7	1	Casablanca French Morocco
			0.25	Øujda French Morocco
			100	Warsaw Poland
			10	Trieste Trieste
34	827	362.8	100	Sofia Bulgaria
			1.5	Baden Baden (S.W.F.) Germany (W.)
			40	Freiburg (S.W.F.) Germany (W.)
			3	Kaiserslautern (S.W.F.) Germany (W.)
			1	Koblenz (S.W.F.) Germany (W.)
			1	Sigmaringen (S.W.F.) Germany (W.)
			1	Trier (S.W.F.) Germany (W.)
			5	Tetuan Spanish Morocco
34A	834	359.7	1	Benghazi (B.F.N.) Libya
(35)	836	358.9	10	Ylivieska Finland
			150	Nancy France
			20	Beirut Lebanon
			—	Barcelona Spain
			2	Huelva Spain
			100	Kharkov, Ukraine U.S.S.R.
(36)	845	355	150	Rome Italy
			0.2	Helsinki Finla
37	854	351.3	150	Bucharest Rumania
			7.5	Madrid Spain
(38)	863	347.6	150	Paris France
(39)	872	344	150	Frankfurt (A.F.N.) Germany (West)
			5	Miscolc Hungary
			30	Zaragoza Spain
			150	Moscow, Russia (N) U.S.S.R.
(40)	881	340.5	100	Berlin Germany (East)
			8	Penmon, Anglesey Great Britain
			5	Towyn, Merioneth. Great Britain
			100	Washford, Somerset Great Britain
			2	Wrexham, Denbigh. Great Britain
			20	Titograd Yugoslavia
41	890	337.1	50	Algiers Algeria
			15	Linz Austria
			—	3 L.P. Stations Austria
			20	Bergen Norway
			20	Kristiansand Norway
			20	Trondheim Norway
			100	Ouchgorod, Ukraine U.S.S.R.
(42)	899	333.7	150	Milan Italy
42A	904	331.9	500	Burg Germany (East)
(43)	908	330.4	140	Brookmans Park, London Great Britain
			—	Cluj Rumania
—	43A	912	20	Dresden Germany (East)
44	917	327.2	5	Tetuan Spanish Morocco
			0.2	Rabat Spanish Morocco
			135	Ljubljana Yugoslavia
(45)	926	324	150	Brussels Belgium

Chan.	kc/s	Metres	kW	Station and Country	
(45)	(926)	(324)	—	Luxor	Egypt
			—	Ivanovo, Russia	U.S.S.R.
			2	Nis	Yugoslavia
— 45A	930	322.6	—	San Feliu de Llobregat	Spain
(46)	935	320.9	5	Berlin (A.F.N.)	Germany (West)
			100	Tangier	Tangier
			100	Lwow, Ukraine	U.S.S.R.
47	944	317.8	100	Toulouse	France
			†	Voronezh, Russia	U.S.S.R.
48	953	314.8	100	Brno	Czechoslovakia
			15	Plzen	Czechoslovakia
			5	Madrid	Spain
(49)	962	311.9	100	Turku	Finland
			100	Limoges	France
			5	Paris	France
			120	Tunis	Tunisia
(50)	971	309	5	Goettingen (N.D.R.)	Germany (W.)
			100	Hamburg (N.D.R.)	Germany (W.)
			100	Langenberg (N.D.R.)	Germany (W.)
			†	Izmir	Turkey
			†	2 Stations	U.S.S.R.
51	980	306.1	75	Algiers	Algeria
			150	Goteborg	Sweden
			2.5	Trieste	Trieste
(52)	989	303.3	†	Rovaniemi	Finland
			300	Berlin (R.I.A.S.)	Germany (West)
			†	Beirut	Lebanon
(53)	998	300.6	60	Andorra	Andorra
			0.2	Buchen-Walldurn (S.D.R.)	Germany (West)
			8	Heidelberg (S.D.R.)	Germany (West)
			100	Kishinev, Moldavia	U.S.S.R.
— 53A	1,002	299.4	0.015	Kufstein	Austria
54	1,007	297.9	50	Kerkira, Corfu	Greece
			50	Salonika	Greece
			120	Hilversum	Netherlands
			1	Algeciras	Spain
			6	Malaga	Spain
			2	Sarakeb	Syria
55	1,016	295.3	1	Meknes	French Morocco
			70	Mainz (S.W.F.)	Germany (West)
			†	Istanbul	Turkey
(56)	1,025	292.7	150	Odessa, Ukraine	U.S.S.R.
			5	Dornbirn	Austria
			100	Graz-Dobl	Austria
			100	Linz-Kronstorf	Austria
			5	Haifa	Israel
			5	Madrid	Spain
			3	San Sebastian	Spain
57	1,034	290.1	—	3 L.P. Stations (A.F.N.)	Germany (W.)
			5	Genoa	Italy
			10	Milan	Italy
			25	Naples	Italy
			25	Pescara	Italy

Chan.	kc/s	Metres	kW	Station and Country
(57)	(1,034)	(290.1)	5	Venice Italy
			100	Lisbon Portugal
			100	Tallinn, Estonia U.S.S.R.
— 57A	1,038	289.1	0.045	Mayrhofen Austria
58	1,043	287.6	20	Rabat French Morocco
			300	Dresden Germany (East)
			5	Salonika Greece
(59)	1,052	285.2	0.05	Krems Austria
			0.05	Neunkirchen Austria
			20	Suhl Germany (East)
			2	Barnstaple, Devon Great Britain
			120	Start Point, Devon Great Britain
			2	Tripoli Libya
			150	Bucharest Rumania
60	1,061	202.8	60	Kalundborg (N) Denmark
			5	Cagliari Italy
			1	Coimbra Portugal
			1	Faro Portugal
61	1,070	280.4	20	Marseilles France
			100	Paris France
			20	Dniepropetrovsk, Ukraine U.S.S.R.
62	1,079	278	20	Plauen Germany (East)
			2	Bremerhaven Germany (West)
			50	Stalinogrod Poland
			10	Tangier Tangier
— 62A	1,086	276.2	1	Episcopi (B.F.N.) Cyprus
63	1,088	275.7	10	Korca Albania
			—	6 L.P. Stations Austria
			150	Droitwich, Worcs. Great Britain
			7.5	Norwich, Norfolk Great Britain
— 63AA	1,089	275.5	2	Antequera Spain
— 63AB	1,090	275.2	2	Toledo Spain
64	1,097	273.5	150	Bratislava Czechoslovakia
(65)	1,106	271.2	100	Stuttgari (A.F.N.) Germany (West)
			2	Zaragoza Spain
			100	Vilna, Lithuania U.S.S.R.
66	1,115	269.1	1	Aosta Italy
			40	Bari Italy
			50	Bologna Italy
			5	Messina Italy
			25	Pisa Italy
			—	Sync. Network Norway
67	1,124	266.9	0.05	Imst Austria
			10	Brussels Belgium
			5	Varna Bulgaria
			3	Barcelona Spain
			—	Leningrad, Russia U.S.S.R.
— 67A	1,128	265.9	0.1	Muerzzuschlag Austria
			1	Tangier Tangier
68	1,133	264.8	2.5	Bilbao Spain
			50	Split Yugoslavia
			135	Zagreb Yugoslavia
			50	Zajecar Yugoslavia
(69)	1,142	262.7	20	Constantine Algeria

Chan.	kc/s	Metres	kW	Station and Country
069	(1,142)	(262.7)	40	Oran Algeria
			0.05	Zell-am-See Austria
			1	Bremerhaven (A.F.N.) Germany (W.)
			—	4 L.P. Stations (A.F.N.) Germany (W.)
			20	Kaliningrad, Russia (D) U.S.S.R.
— 69A	1,145	262	2	Toledo Spain
70	1,151	260.6	100	Lisnagarvey, N. Ireland
				Great Britain
			0.25	Londonderry, N. Ireland
				Great Britain
			2	Scarborough, Yorks. Great Britain
			100	Stagshaw, North'd Great Britain
			—	Baia Mare Rumania
			20	Cluj Rumania
			20	Oradea Rumania
			0.2	Puigcerda Spain
			0.3	Manises Spain
— 70A	1,156	259.5	150	Strasbourg France
71	1,160	258.6	8	Heilbronn (S.D.R.) Germany (West)
72	1,169	256.6	3	Ulm (S.D.R.) Germany (West)
			1	Oporto Portugal
			100	Kiev, Ukraine U.S.S.R.
			5	Kopar Yugoslavia
— 72A	1,171	256.2	2	Leon Spain
73	1,178	254.7	2	Aswan Egypt
			2	Cuenca Spain
			100	Horby Sweden
— 73A	1,183	253.6	0.1	Bruck a.d. Mur Austria
74	1,187	252.7	135	Szabadsag Hungary
			0.2	Corunna Spain
			1	Casablanca French Morocco
			1	Oujda French Morocco
— 74A	1,190	252.1	5	Oviedo Spain
75	1,196	250.8	†	Marrakesh French Morocco
			20	Halle Germany (East)
			150	Munich (V.o.A.) Germany (West)
— 75A	1,203	249.4	†	Kerkira Greece
76	1,205	249	—	Teruel Spain
			0.05	Hof-Gastein Austria
			—	Alexandria Egypt
			100	Bordeaux France
			†	Haifa Israel
			6	Poznan Poland
77	1,214	247.1	†	Punta Delgada Azores
			50	Brookmans Park, London G. Britain
			20	Burghead, Moray Great Britain
			10	Lisnagarvey, N. Ireland G. Britain
			0.25	Londonderry, N. Ireland G. Britain
			50	Moorside Edge, Yorks. G. Britain
			2	Newcastle, North'd Great Britain
			0.25	Plymouth, Devon Great Britain
			2	Redmoss, Aberdeen. Great Britain
			2	Redruth, Cornwall Great Britain
			50	Westerglen, Stirling. Great Britain

Chan.	kc/s	Metres	kW	Station and Country
(77)	(1,214)	(247.1)	5	<i>Haifa</i> <i>Israel</i>
			20	<i>Barcelona</i> <i>Spain</i>
			—	<i>Tartu, Estonia (N)</i> <i>U.S.S.R.</i>
— 77A	1,219	246.1	0.1	<i>Judenburg</i> <i>Austria</i>
(78)	1,223	245.3	20	<i>Stara Zagora</i> <i>Bulgaria</i>
			20	<i>Madrid</i> <i>Spain</i>
			100	<i>Falun</i> <i>Sweden</i>
(79)	1,232	243.5	100	<i>Kosice</i> <i>Czechoslovakia</i>
			1.5	<i>Zilina</i> <i>Czechoslovakia</i>
			50	<i>Tangier</i> <i>Tangier</i>
80	1,241	241.7	10	<i>Vaasa</i> <i>Finland</i>
			20	<i>Lille</i> <i>France</i>
			20	<i>Lyons</i> <i>France</i>
			20	<i>Nancy</i> <i>France</i>
			20	<i>Nice</i> <i>France</i>
			20	<i>Pau</i> <i>France</i>
			20	<i>Quimerch</i> <i>France</i>
			20	<i>Rennes</i> <i>France</i>
			†	<i>Tiraspol, Moldavia</i> <i>U.S.S.R.</i>
— 80A	1,246	240.8	—	<i>Erfurt</i> <i>Germany (East)</i>
81	1,250	240	†	<i>2 Stations</i> <i>Egypt</i>
			5	<i>Cork</i> <i>Eire</i>
			5	<i>Dublin</i> <i>Eire</i>
			135	<i>Nyiregyhaza</i> <i>Hungary</i>
			2.	<i>Viscaya</i> <i>Spain</i>
— 81A	1,255	239	0.05	<i>Bischofshofen</i> <i>Austria</i>
82	1,259	238.3	50	<i>Breslau</i> <i>Poland</i>
			5	<i>Valencia</i> <i>Spain</i>
— 82A	1,264	227.3	2	<i>Linares</i> <i>Spain</i>
83	1,268	236.6	2	<i>Oviedo</i> <i>Spain</i>
			100	<i>Novi Sad</i> <i>Yugoslavia</i>
— 83A	1,269	236.4	2	<i>Valladolid</i> <i>Spain</i>
84	1,277	234.9	100	<i>Strasbourg</i> <i>France</i>
			1	<i>Tel-Aviv</i> <i>Israel</i>
85	1,286	233.3	100	<i>Melnik</i> <i>Czechoslovakia</i>
			2	<i>Lisbon</i> <i>Portugal</i>
86	1,295	231.7	0.2	<i>Rabat</i> <i>French Morocco</i>
			5	<i>Berlin (N.D.R.)</i> <i>Germany (West)</i>
			100	<i>Norden (N.D.R.)</i> <i>Germany (West)</i>
			†	<i>Ottringham</i> <i>Great Britain</i>
			1	<i>San Sebastian</i> <i>Spain</i>
— 86A	1,303	230.2	1	<i>Athens</i> <i>Greece</i>
87	1,304	230.1	20	<i>Constantine</i> <i>Algeria</i>
			40	<i>Oran</i> <i>Algeria</i>
			—	<i>6 L.P. Stations (A.F.N.)</i> <i>Germany (W.)</i>
			2	<i>Gdansk</i> <i>Poland</i>
			100	<i>Stettin</i> <i>Poland</i>
88	1,313	228.4	0.1	<i>Leoben</i> <i>Austria</i>
			0.05	<i>Mariazell</i> <i>Austria</i>
			0.2	<i>Las Palmas</i> <i>Canary Is.</i>
			100	<i>Stavanger</i> <i>Norway</i>
			1	<i>Alicante</i> <i>Spain</i>
			2	<i>Badalona</i> <i>Spain</i>
			2	<i>Corunna</i> <i>Spain</i>

Chan.	kc/s	Metres	kW	Station and Country
(88)	(1,313)	(228.4)	0.2	Salamanca Spain
— 96A	1,321	227.4	0.4	Carlet Spain
			1	Vitoria Spain
(89)	1,322	226.9	0.15	Angra do Heroismo Azores
			100	Leipzig Germany (East)
			0.15	Santarem Portugal
			2	Cadiz Spain
			2	Melilla Spanish Morocco
			†	Ouchgorod, Ukraine U.S.S.R.
90	1,331	225.4	20	Bari Italy
			25	Bologna Italy
			5	Catania Italy
			50	Genoa Italy
			10	Palermo Italy
			25	Pescara Italy
			80	Rome Italy
			—	2 L.P. Stations Italy
— 90AA	1,332	225.2	0.1	Valencia Spain
— 90AB	1,336	224.5	1	Haifa Israel
— 90AC	1,339	224	0.8	Algemesi Spain
91	1,340	223.9	†	Alexandria Egypt
			150	Crowborough, Sussex Great Britain
			0.4	Magyarovar Hungary
			1.25	Miscolc Hungary
			135	Nyiregyhaza Hungary
			1.25	Pecs Hungary
— 91A	1,341	223.7	—	Athens Greece
92	1,349	222.4	20	Clermont France
			20	Grenoble France
			20	Limoges France
			20	Nantes France
			20	Toulouse France
			2	Sabadell Spain
			20	Kuldiga, Latvia U.S.S.R.
			20	Riga, Latvia (N) U.S.S.R.
93	1,358	220.9	50	Tirana Albania
			20	Bremen Germany (West)
			1	Elvas Portugal
			2	Denia Spain
			0.2	Reus Spain
94	1,367	219.5	†	Thorshavn Faroe Is.
			—	Sync. Network Italy
			24	Torun Poland
			1	Oporto Portugal
			—	4 L.P. Stations Switzerland
— 94A	1,374	218.3	2	Cordoba Spain
95	1,376	218	100	Lille France
			2	Linares Spain
— 95A	1,380	217.4	0.2	Palamos Spain
96	1,385	216.6	2	Albacete Spain
			1	Granada Spain
			1	Santander Spain
			150	Kaunas, Lithuania U.S.S.R.
— 96A	1,390	215.8	1	Jerusalem Israel

Chan.	kc/s	Metres	kW	Station and Country
(—) 96A	1,390	(215.8)	2	Badajoz Spain
97	1,394	215.2	0.05	Bad-Ischl Austria
			25	Graz Austria
			0.25	Bitburg (A.F.N.) Germany (West)
			5	Rhodes Island Greece
			—	Almeria Spain
			2	Pamplona Spain
			2	Valencia Spain
			—	Sync. Network Sweden
— 97A	1,401	214.1	0.5	Valladolid Spain
98	1,403	213.8	20	Bordeaux France
			20	Louvetot France
			10	Montpellier France
			20	Nice France
			20	Quimerch France
			5	Komotini Greece
			0.4	Castellon de la Plana Spain
			2	Vigo Spain
			100	Tallinn, Estonia U.S.S.R.
— 98AA	1,406	213.4	0.05	Maria Pfarr Austria
— 98AB	1,410	212.8	1	Jaen Spain
99	1,412	212.4	0.4	Santa Cruz Canary Is.
			3	Bad Mergentheim (S.D.R.) Germany (West)
			0.5	Gandia Spain
			2	Ceuta Spanish Morocco
			5	Maribor Yugoslavia
			2	Novi Sad Yugoslavia
			20	Priscina Yugoslavia
			15	Rijeka Yugoslavia
— 99AA	1,414	212.2	0.2	Palencia Spain
			0.2	Santiago Compostela Spain
— 99AB	1,418	211.5	2	Cadiz Spain
			2	Zamora Spain
100	1,421	211.1	10	Algiers Algeria
			1	Tlemcen Algeria
			0.05	Radstadt Austria
			2	Athens Greece
			20	Saarbruecken Saarland
			†	Sfax Tunisia
			†	Chernigov, Ukraine U.S.S.R.
— 100AA	1,424	210.6	0.2	Alcira Spain
— 100AB	1,429	210	0.5	Palma de Mallorca Spain
101	1,430	209.8	5	Argyrokastrò Albania
			10	Copenhagen Denmark
			70	Skive Denmark
			—	Timisoara Rumania
			1	Caceres Spain
(102)	1,439	208.5	150	Luxembourg Luxembourg
			2	Alicante Spain
103	1,448	207.2	5	Ancona Italy
			0.25	Cagliari Italy
			—	Caltanissetta Italy
			3	Florence Italy

Chan.	kc/s	Metres	kW	Station and Country	
(103)	(1,448)	(207.2)	5	San Remo	Italy
			1	Sassari	Italy
			20	Turin	Italy
			1	Udine	Italy
			†	Sync. Network	Portugal
			9	Burgos	Spain
			0.2	Ciudad Real	Spain
			—	Sync. Network	Sweden
			—	Soria	Spain
			—	5 L.P. Stations	Austria
104	103A 1,452 1,457	206.6 205.9	10	Bartley, Hants.	Great Britain
			2	Bexhill, Sussex	Great Britain
			2	Brighton, Sussex	Great Britain
			20	Clevedon, Somerset	Great Britain
			1	Folkestone, Kent	Great Britain
			2	Redruth, Cornwall	Great Britain
			0.15	Caramulo	Portugal
			20	Craiova	Rumania
			0.5	Onteniente	Spain
			2	Orense	Spain
105	1,466	204.6	120	Monte Carlo	Monaco
			—	Sync. Network	Norway
106	1,475	203.4	150	Vienna-Wilhelminenberg	Austria
			—	Opole	Poland
— 106A	1,478	203	1	Huesca	Spain
			—	Usti-Laben	Czechoslovakia
			—	Sabadell	Spain
			—	Sueca	Spain
107	1,484	202.2	—	International Common Frequency	
			— 107A	1,490	201.3
108	1,493	200.9	—	7 L.P. Stations	Austria
			2	Vysilac-Tatry	Czechoslovakia
			—	Sync. Network	France
			0.4	Albacete	Spain
			2	Alcoy	Spain
			0.6	Badajoz	Spain
			2	Gijon	Spain
			2	Jerez de la Frontera	Spain
			5	Gomel, Byelorussia	U.S.S.R.
			— 108AA	1,498	200.3
— 108AB	1,500	200	0.05	Bleiburg	Austria
109	1,502	199.7	0.05	Lages Field (A.F.N.)	Azores
			2	Tarrasa	Spain
			0.02	Bludenz	Austria
			0.4	Muenster (W.D.R.)	Germany (W.)
			—	3 L.P. Stations (A.F.N.)	Germany (W.)
			10	Cracow	Poland
			2	Algeciras	Spain
			2	Leon	Spain
			0.2	Pontevedra	Spain
			— 109A	1,509	198.8
110	1,511	198.5	10	Brussels	Belgium
			5	Khania, Crete	Greece



Chan.	kc/s	Metres	kW	Station and Country
(110)	(1,511)	(198.5)	0.15	Patras Greece
			2	Lerida Spain
			0.2	Murcia Spain
			0.6	Vich Spain
—110A	1,516	197.9	5	Ceske-Budejovice Czechoslovakia
111	1,520	197.4	15	Karlovy-Vary Czechoslovakia
			20	Moravska-Ostrava Czechoslovakia
			30	Plzen Czechoslovakia
			†	Corunna Spain
112	1,529	196.2	†	Funchal Madeira
			2	Elche Spain
			2	Villanueva Spain
			2	Vitoria Spain
			—	Sync. Network Sweden
			5	Vatican City Vatican City
			—	Maribor Yugoslavia
—112MA	1,531	195.9	2	Gerona Spain
—112AB	1,533	195.7	—	Avila Spain
—112AC	1,534	195.6	0.6	Jativa Spain
113	1,538	195.1	20	Bad Duerrheim (S.W.F.) Germany (West)
			40	Ravensburg (S.W.F.) Germany (W.)
			10	Reutlingen (S.W.F.) Germany (W.)
			—	Zakopane Poland
			†	Sync. Network Spain
114	1,546	194.1	—	Sync. Network Great Britain
			†	Vinnitza, Ukraine U.S.S.R.
115	1,554	193.1	60	Nice France
			†	U.S. Forces Germany (West)
			†	Turi, Estonia U.S.S.R.
116	1,562	192.1	1	Covilha Portugal
			—	Sync. Network Sweden
			†	Sync. Network Switzerland
117	1,570	191.1	0.08	Santa Maria Aero Azores
			†	Germany (East)
			3	Flensburg (N.D.R.) Germany (W.)
			5	Lingen (N.D.R.) Germany (West)
			2	Tarragona Spain
			†	Sfax Tunisia
118	1,578	190.1	—	Sync. Network Italy
			10	Fredrikstad Norway
			2	Honningsvag Norway
			1	Oporto Portugal
—118A	1,585	189.3	0.1	Tripoli (A.F.N.) Libya
119	1,586	189.1	5	Bonn (W.D.R.) Germany (West)
			20	Hanover (N.D.R.) Germany (W.)
			5	Kiel (N.D.R.) Germany (West)
			3	Kleve (W.D.R.) Germany (West)
			40	Oldenburg (N.D.R.) Germany (W.)
			5	Osnabruck (N.D.R.) Germany (W.)
			—	Miscolc Hungary
			†	Sync. Network Spain
120	1,594	188.2	—	International Common Frequency
121	1,602	187.3	0.4	Hof (B.R.) Germany (West)

Chan.	kc/s	Metres	kW	Station and Country
(121)	(1,602)	(187.3)	20	Kirchheim-Schwaben (B.R.)
			20	Landau (B.R.)
			40	Nueremberg (B.R.)
			†	Sync. Network
			†	Sync. Network
122 — 121AF 1,613	186	0.1		Moro de Ebro
125 AF — 121AF 1,620	183.8	—		Gouzon (Canadian Forces)
125 AF — 121AC 1,625	183.7	0.5		Tortosa
126 AC — 121AD 1,635	183.5	—		Marville (Canadian Forces)
				Germany (West)
				Germany (West)
				Germany (West)
				Norway
				Portugal
				Spain
				France
				Spain
				France

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

Stations operating on the international common frequencies (1484 and 1594) are included although they are not in the frequency list. Where a country is operating a number of very low-power transmitters on one frequency the abbreviation "L.P. stations" is used.

	kc/s		kc/s
<b>ALBANIA</b>			
Argyrokastrò	1,430	Hof-Gastein	1,205
Korca	1,088	Imst	1,124
Tirana	1,358	Innsbruck	520
<b>ALGERIA</b>			629
Algiers	890	Judenburg	1,218
"	980	Kitzbuehel	629
"	1,421	Klagenfurt	584
Bone	1,484	"	728
Bougie	1,484	Krems	1,052
Constantine	1,142	Kufstein	1,002
"	1,304	Leoben	1,313
Fort National	1,484	Linz	890
Michelet	1,484	Linz-Kronstorf	1,025
Oran	1,142	Maria Pfarr	1,406
"	1,304	Mayrhofen	1,038
Tlemcen	1,421	Muerzzuschlag	1,128
<b>ANDORRA</b>		Neunkirchen	1,052
Andorra	998	St. Poelten	1,484
<b>AUSTRIA</b>		Radstadt	1,418
Bad-Aussee	620	Salzburg	584
Bad-Ischl	1,394	Vienna	584
Bischofshofen	1,255	Vienna-Wilhelminenberg	1,475
Bleiburg	1,500	Zell-am-See	1,142
Bludenz	1,502	5 L.P. Stations	520
Bruck a.d. Mur	1,183	2 L.P. Stations	566
Dornbirn	629	5 L.P. Stations	674
"	1,025	5 L.P. Stations	692
Eisenerz	620	5 L.P. Stations	773
Graz	1,394	3 L.P. Stations	890
Graz-Dobl	1,025	6 L.P. Stations	1,088
Greifenburg-Kaernten	677	5 L.P. Stations	1,457
		7 L.P. Stations	1,493

	kc/s		kc/s
<b>AZORES</b>		Esbjerg	1,594
Angra do Heroismo	1,322	Kalundborg	245
Lages	647	"	1,061
Lages Field	1,500	Skive	1,430
Punta Delgada	1,214	Tonder	1,484
Santa Maria Aero	1,570	<b>EGYPT</b>	
<b>BELGIUM</b>		Alexandria	1,205
Brussels	620	Aswan	1,178
"	926	Cairo	557
"	1,124	"	620
"	1,511	"	773
Kortrijk	1,484	Luxor	926
Liege	1,484	<b>EIRE</b>	
<b>BULGARIA</b>		Athlone	566
Pleven	593	Cork	1,250
Sofia	593	Dublin	1,250
"	827	<b>FINLAND</b>	
Stara Zagora	1,223	Helsinki	557
Varna	1,124	"	845
<b>CANARY ISLANDS</b>		Joensuu	520
Las Palmas	1,313	Kuopio	755
"	1,498	Lahti	254
Santa Cruz	1,412	Oulu	433
<b>CYPRUS</b>		Turku	962
Episcopi	1,086	Vaasa	1,241
Limassol	638	Ylivieska	836
"	1,484	6 L.P. Stations	1,484
Nicosia	548	<b>FRANCE</b>	
"	606	Allouis	164
"	692	Bordeaux	1,205
<b>CZECHOSLOVAKIA</b>		"	1,403
Banska Bystrica	701	Clermont	1,349
Bratislava	701	Gouzon	1,620
"	1,097	Grenoble	1,349
Brno	953	Lille	1,241
"	1,484	"	1,376
Ceske-Budejovice	1,520	Limoges	962
Hradec-Kralove	701	"	1,349
Jihlava	1,594	Louvetot	1,403
Karlovy-Vary	1,520	Lyons	602
Kosice	701	"	1,241
"	1,232	Marseilles	710
Liberec	701	"	1,070
Melnik	1,286	Marville	1,635
Moravska-Ostrava	1,520	Montpellier	1,403
Plzen	953	Nancy	836
"	1,520	"	1,241
Prague	638	Nantes	1,349
"	1,484	Nice	1,241
Uherske Hradiste	272	"	1,403
Usti-Laben	1,478	"	1,554
Vysilac-Tatry	1,478	Nimes	1,594
Zilina	1,232	Paris	584
<b>DENMARK</b>		"	863
Aalborg	1,484	"	962
Copenhagen	1,430	"	1,070
"	1,484	Pau	1,241

	kc/s		kc/s
France—cont.			
Quimerch	1,241	Goettingen	971
"	1,403	Grafenwohr	611
Rennes	674	Hamburg	151
"	1,241	"	971
Strasbourg	1,160	Hanover	1,586
"	1,277	Heidelberg	998
Toulon	1,594	Heilbronn	1,169
Toulouse	944	Herford	701
"	1,349	Hof	737
10 L.P. Stations	1,484	"	1,602
Sync. Network	1,493	Hoher Meissr.er	593
GERMANY, EAST		Kaiserslautern	665
Beeskow-Sarnow	520	"	827
Berlin	529	Kiel "	1,586
"	881	Kirchheim-Schwaben	1,602
Berlin-Grunau	611	Kleve	1,586
Burg	782	Koblenz	827
"	904	Landau	1,602
Dresden	912	Langenberg	971
"	1,043	Lingen	1,570
Erfurt	692	Mainz	1,016
"	1,246	Muenster	1,502
Greifswald	656	Munich	173
Halle	1,196	"	548
Karlmarxstadt	602	"	719
Koenigswusterhausen	173	"	800
"	185	"	1,196
"	263	Norden	701
Leipzig "	575	"	1,295
"	1,322	Nueremberg	520
Plauen	1,079	"	611
Potsdam	557	"	1,602
Schwerin	728	Oldenburg	1,586
Suhl	1,025	Osnabrueck	1,586
GERMANY, WEST		Ravensburg	1,538
Aachen	701	Reutlingen	1,538
Bad Duerrheim	1,538	Siegen	755
Bad Mergentheim	1,412	Sigmaringen	827
Baden Baden	827	Stuttgart	575
Berlin	566	"	1,106
"	683	Trier	827
"	737	Ulm	1,169
"	782	3 L.P. Stations	520
"	935	3 L.P. Stations	1,034
"	989	4 L.P. Stations	1,142
"	1,295	6 L.P. Stations	1,304
Bitburg	1,394	10 L.P. Stations	1,484
Bonn	1,586	3 L.P. Stations	1,502
Bremen	1,358	GIBRALTAR	
Bremerhaven	1,079	Fort Wellington	1,484
"	1,142	GREAT BRITAIN	
Brunswick	520	Barnstaple, Devon	1,052
Buchen-Walldurn	998	Barrow-in-Furness, Lancs.	1,484
Flensburg	1,570	Bartley, Hants.	1,457
Frankfurt	593	Bexhill, Sussex	1,457
"	872	Brighton, Sussex	1,457
Freiburg	827		

	kc/s		kc/s
<b>Great Britain—cont.</b>			
Brookmans Park, London	908	Volos	1,484
" " "	1,214	<b>HUNGARY</b>	
Burghead, Moray	809	Budapest	539
" " "	1,214	Magyarovar	1,340
Clevedon, Somerset	1,457	Miscolc	872
Cromer, Norfolk	692	"	1,340
Crowborough, Sussex	647	"	1,586
" " "	1,340	Nyiregyhaza	1,250
Daventry, Northants.	647	"	1,340
Droitwich, Worcs.	200	Pecs	1,340
" " "	1,088	Szabadsag	1,187
Dumfries	809	Szekesfehervar	805
Edinburgh, Midlothian	647	<b>ICELAND</b>	
Folkestone, Kent	1,457	Akureyri	737
Glasgow	647	Eidar	611
Lisnagarvey, N. Ireland	1,151	Hoefn	665
" " "	1,214	Keflavik	1,484
Londonderry, N. Ireland	1,151	Reykjavik	182
" " "	1,214	<b>ISRAEL</b>	
Moorside Edge, Yorks.	692	Haifa	1,025
" " "	1,214	"	1,205
Newcastle, North'd	647	"	1,336
" " "	1,214	Jerusalem	737
Norwich, Norfolk	1,088	Tel Aviv	1,390
Penmon, Anglesey	881	"	575
Plymouth, Devon	1,214	"	652
Ramsgate, Kent	1,484	"	1,277
Redmoss, Aberdeenshire	647	<b>ITALY</b>	
" " "	809	Ancona	1,448
" " "	1,214	Aosta	1,115
Redruth, Cornwall	1,214	Bari	1,115
" " "	1,457	"	1,331
Scarborough, Yorks.	1,151	Bologna	1,115
Stagshaw, North'd	1,151	"	1,331
Start Point, Devon	1,052	Bolzano	656
Towyn, Merioneth.	881	Cagliari	1,061
Washford, Somerset	881	"	1,448
Westerglen, Stirlingshire	809	Caltanissetta	566
" " "	1,214	"	1,448
Whitehaven, Cumberland	692	Catania	1,331
Wrexham, Denbigh.	881	Florence	656
Sync. Network	1,546	"	1,448
<b>GREECE</b>		Genoa	1,034
Athens	665	"	1,331
"	728	Messina	1,115
"	1,303	Milan	899
"	1,341	"	1,034
"	1,421	Naples	656
"	1,484	"	1,034
Kerkira, Corfu	1,007	Palermo	1,331
Khania, Crete	1,511	Pescara	1,034
Komotini	1,403	"	1,331
Patras	1,511	Pisa	1,115
Rhodes Island	1,394	Rome	845
Salonika	791	"	1,331
"	1,007	San Remo	1,448
"	1,043	Sassari	1,448

	kc/s		kc/s
Italy—cont.			
Turin	656	Kristiansand	890
"	1,448	Oslo	218
Udine	1,448	Stavanger	1,313
Venice	656	Tromso	155
"	1,034	Trondheim	890
Sync. Network	1,367	Vigra	629
Sync. Network	1,578	Sync. Network	1,115
4 L.P. Stations	1,331	Sync. Network	1,466
12 L.P. Stations	1,484	4 L.P. Stations	1,484
JORDAN		POLAND	
Amman	665	Bialystok	1,594
Jerusalem	677	Breslau	1,259
LEBANON		Cracow	1,502
Beirut	836	Gdansk	1,304
LIBYA		Lodz	1,484
Benghazi	834	Opole	1,475
Tripoli	1,052	Poznan	1,205
"	1,585	Stalinogrod	1,079
Wheelus Field	800	Stettin	1,304
LUXEMBOURG		Torun	1,367
Luxembourg	233	Warsaw	227
"	1,439	"	737
MADEIRA		"	818
Funchal	1,484	Zakopane	1,538
"	1,594	3 L.P. Stations	1,484
MONACO		PORTUGAL	
Monte Carlo	1,466	Caramulo	1,457
MOROCCO, FRENCH		Coimbra	1,061
Casablanca	818	Covilha	1,562
"	1,187	Elvas	1,358
Meknes	611	Faro	1,061
"	701	Guarda	557
"	1,016	Lisbon	665
Oujda	818	"	719
"	1,187	"	1,034
Port Lyautey	1,484	"	1,286
Rabat	917	" (5 Stations)	1,594
"	1,043	Oporto	755
"	1,295	"	1,169
3 L.P. Stations (A.F.N.)	1,594	"	1,367
MOROCCO, SPANISH		"	1,578
Ceuta	1,412	Oporto-Miramar	782
Melilla	1,322	Portalegre	1,484
Tetuan	827	Regua	800
"	917	Santarem	1,322
NETHERLANDS		RUMANIA	
Hengelo	1,594	Baia Mare	1,151
Hilversum	746	Brasov	155
"	1,007	Bucharest	1,052
Hoogezand	1,594	Cluj	908
Hulsberg	1,594	"	1,151
NORWAY		Crăiova	1,457
Bergen	890	Oradea	1,151
Bodo	674	Timisoara	755
Finnmark	701	"	1,430
Fredrikstad	1,578	SAARLAND	
Honningsvag	1,578	Felsberg	185

	kc/s		kc/s
Saarland—cont.			
Saarbruecken	1,421	Madrid	1,223
SPAIN		Malaga	1,007
Albacete	1,385	Manises	1,156
"	1,493	Manresa	1,490
Alcira	1,421	Moro de Ebro	1,613
Alcoy	1,493	Murcia	1,511
Algemesi	1,339	Onteniente	1,457
Algeciras	1,007	Orense	1,457
"	1,502	Oviedo	1,190
Alicante	1,313	"	1,268
"	1,439	Palamos	1,380
Almeria	1,394	Palencia	1,414
Antequera	1,089	Palma de Mallorca	1,428
Avila	1,533	Pamplona	1,394
Badajoz	1,406	Pontevedra	1,502
"	1,493	Puigcerda	1,151
Badalona	1,313	Reus	1,358
Barcelona	737	Sabadell	1,349
"	809	"	1,478
"	854	Sagunto	1,459
"	1,124	Salamanca	1,313
"	1,214	San Feliu de Llobregat	930
"	1,133	San Sebastian	1,025
Bilbao	1,448	"	1,295
Burgos	1,430	Santander	1,386
Caceres	1,322	"	1,484
Cadiz	1,419	Santiago Compostella	1,414
"	1,321	Segovia	1,509
Carlet	1,403	Seville	638
Castellon de la Plana	1,448	"	800
Ciudad Real	1,374	Soria	1,452
Cordoba	692	Sueca	1,475
Corunna	1,187	Tarragona	1,570
"	1,313	Tarrasa	1,502
"	1,178	Teruel	1,203
Cuenca	1,358	Toledo	1,145
Denia	1,529	"	1,090
Elche	1,412	Tortosa	1,625
Gandia	1,531	Valencia	773
Gerona	1,493	"	1,259
Gijon	1,386	"	1,332
Granada	836	"	1,397
Huelva	1,475	Valladolid	1,401
Huesca	1,410	"	1,269
Jaen	1,534	Vich	1,516
Jativa	1,493	Vigo	1,403
Jerez de la Frontera	1,171	Villanueva	1,529
Leon	1,502	Viscaya	1,250
"	1,511	Vitoria	1,315
Lerida	1,264	"	1,529
Linares	1,376	Zamora	1,418
"	1,484	Zaragoza	872
Logrono	1,484	"	1,106
Lugo	584	SUDAN	
Madrid	683	Khartoum	572
"	854	SWEDEN	
"	953	Falun	1,223
"	1,025	Goteborg	980

	kc/s		kc/s
Sweden—cont.			
Goteborg	1,484	20 Krasnodar, Russia	611
Horby	1,178	20 Kuldiga, Latvia	1,349
Lulea	182	150 Leningrad, Russia	263
Malmberget	773	100 " "	800
Motala	191	— " "	1,124
Ostersund	420	100 Lwów, Ukraine	935
"	719	100 Minsk, Byelorussia	281
Stockholm	773	— " "	400
"	1,484	— Moscow, Russia	151
Sundsvall	593	500 " "	173
Sync. Network	1,394	— " "	200
Sync. Network	1,448	100 " "	236
Sync. Network	1,529	100 " "	385
Sync. Network	1,562	150 " "	548
SWITZERLAND		150 " "	872
Beromuenster	529	150 Murmansk, Russia	656
Monte Ceneri	557	150 Odessa, Ukraine	548
Sottens	764	150 " "	1,016
4 L.P. Stations	1,367	100 Ouchgorod, Ukraine	890
SYRIA		100 Petrozavodsk, Karelia	611
Aleppo	710	100 Riga, Latvia	575
"	747	20 " "	1,349
Damascus	602	100 Rostov-on-Don, Russia	764
"	665	100 Simferopol, Russia	647
Sarakeb	719	150 Stalino, Ukraine	710
"	1,007	100 Tallinn, Estonia	1,034
TANGIER		100 " "	1,403
Tangier	593	20 Tartu, Estonia	710
"	935	— " "	1,214
"	1,079	100 Vilna, Lithuania	1,106
"	1,128	— Voronezh, Russia	254
"	1,232		773
"	1,594	VATICAN CITY	
TRIESTE		Vatican City	782
Trieste	818	" "	1,484
"	980		1,529
"	1,484	YUGOSLAVIA	
TUNISIA		Belgrade	683
Tunis	629	" "	1,484
"	962	Bitolja	1,484
TURKEY		Dubrovnik	1,484
Ankara	182	Kopar	1,169
Istanbul	701	Ljubljana	917
U.S.S.R.		Maribor	1,412
— Chernovtsy, Ukraine	674	" "	1,529
20 Dniepropetrovsk, Ukraine	1,070	Nis	926
5 Gomel, Byelorussia	1,493	Novi Sad	1,268
— Ivanovo, Russia	926	" "	1,412
20 Kaliningrad, Russia	1,142	Osijek	1,484
150 Kaunas, Lithuania	665	Priscina	1,412
150 " "	1,385	Rijeka	1,412
50 Kharkov, Ukraine	385	Sarajevo	611
100 " "	836	Skopje	809
150 Kiev, Ukraine	209	Sljeme	1,484
100 " "	782	Split	1,133
100 " "	1,169	Titograd	881
100 Kishinev, Moldavia	998	Zagreb	1,133
		Zajecar	1,133

File 211-1



## Short-wave Stations of the World

This list of short-wave broadcasting stations in order of frequency includes not only the frequencies employed at the time of the preparation of the data but also many of those announced for future use. Stations known to have a power of less than one kilowatt are not included. The abbreviations used in some instances after the name of the town indicate the organization operating the station; they are defined on page 61. At stations where there are a number of transmitters of varying power both the minimum and maximum output are given in the appropriate column.

Mc/s	Metres	kW	Call	Station and Country	
2.240	133.90	1	YDB	Djakarta, Java	Indonesia
2.240	133.90	1	YVLG	Maracay	Venezuela
2.425	123.70	7.5	—	Salisbury	Southern Rhodesia
2.430	123.50	1	YDK2	Palembang, Java	Indonesia
2.440	123.00	1	YVLG	Maracay	Venezuela
2.460	122.00	3	PJC	Willemstad	Curacao
2.480	121.00	1	YDQ	Macassar, Celebes	Indonesia
2.480	121.00	1	YDL2	Padang, Sumatra	Indonesia
2.490	120.50	1	YDH	Semarang, Java	Indonesia
2.490	120.48	2.5	YVMK	Cabimas	Venezuela
2.510	119.50	10	HLKA	Seoul	Korea
2.700	112.00	1	YDS2	Menado, Celebes	Indonesia
3.205	93.60	10	YDA	Bandoeng, Java	Indonesia
3.214	93.34	5	YDS	Menado, Celebes	Indonesia
3.223	93.08	3.5	—	Simla	India
3.226	93.03	7.5	CR7AB	Lourenco Marques	Mozambique
3.232	92.80	1.5	—	Brazzaville	French Eq. Africa
3.232	92.80	5	—	Tananarive	Madagascar
3.237	92.68	5	YDM	Bukittinggi, Sumatra	Indonesia
3.240	92.60	1	YDR	Ambon, Moluccas	Indonesia
3.242	92.56	1	CR7BZ	Niassa	Mozambique
3.245	92.40	1	YVKT	Caracas	Venezuela
3.250	92.30	10	HJKH	Sutatenza	Colombia
3.250	92.30	10	YDO	Bandjermassin, Borneo	Indonesia
3.255	92.17	2	ZFY	Georgetown	British Guiana
3.255	92.17	1	YVQL	El Tigre	Venezuela
3.260	92.02	5	YDH2	Semarang, Java	Indonesia
3.263	91.94	1	ZYK21	Recife	Brazil
3.263	91.94	20	—	Paradys	South Africa
3.263	91.94	1	YVOC	San Cristobal	Venezuela
3.265	91.87	5/100	VUD	Delhi	India
3.275	91.60	1	YVMC	Maracaibo	Venezuela
3.277	91.55	1	YDD	Djakarta, Java	Indonesia
3.285	91.32	1	HI7T	Cuidad Trujillo	Dominican Rep.
3.285	91.32	1	YVLE	Puerto Cabello	Venezuela
3.286	91.32	3	YDG6	Madium, Java	Indonesia
3.290	91.19	20	—	Paradys	South Africa
3.295	91.05	10	YDR3	Ambon, Moluccas	Indonesia
3.295	91.05	1	YVOG	Trujillo	Venezuela
3.297	91.00	16	HNV	Baghdad	Iraq
3.300	90.91	5	—	Belize	British Honduras
3.305	90.77	10	VUC	Calcutta	India
3.305	90.77	—	—	Tripoli	Libya

Mc/s	Metres	kW	Call	Station and Country	
3.305	90.77	2	YVKX	Caracas	Venezuela
3.315	90.50	2.5	VQ7LO	Nairobi	Kenya
3.325	90.23	7.5	—	Kaduna	Nigeria
3.325	90.23	10	DZB2	Manila, Luzon	Philippines
3.325	90.23	1	YVRA	Maturin	Venezuela
3.340	87.79	1	YVMU	Carora	Venezuela
3.345	89.69	1	ZYN22	Salvador	Brazil
3.345	89.69	2.5	YVKP	Caracas	Venezuela
3.355	89.43	1	YVLC	Valencia	Venezuela
3.356	89.40	1	YDI	Surabaya, Java	Indonesia
3.360	89.28	5	ZQI	Kingston, Jamaica	British W. Indies
3.365	89.15	5	ZOY	Accra	Ghana
3.365	89.15	5	—	St. Georges, Grenada	Windward Is.
3.375	88.90	5	YDW	Pontianak, Borneo	Indonesia
3.375	88.90	20	—	Paradys	South Africa
3.385	88.62	1	YVQI	Barcelona	Venezuela
3.386	89.51	1	—	Tananarive	Madagascar
3.390	88.50	2	YVKX	Caracas	Venezuela
3.395	88.35	1	—	Colombo	Ceylon
3.395	88.35	10	YDU	Den Pasar, Bali	Indonesia
3.395	88.35	1	APL	Lahore	Pakistan
3.395	88.35	7.5	ZEAF	Salisbury	Southern Rhodesia
3.395	88.35	1	YVLI	Maracay	Venezuela
3.395	88.35	1.5	YVOJ	Merida	Venezuela
3.400	88.23	1	CR6RK	Lobito	Angola
3.780	79.37	2	EQD	Teheran	Persia
3.900	76.90	20	—	Khabarovsk, Russia	U.S.S.R.
3.910	76.72	10	HLKA	Seoul	Korea
3.914	76.65	—	—	Peking	China
3.914	76.65	2.5	ZQP	Lusaka	Northern Rhodesia
3.914	76.65	1	APL	Lahore	Pakistan
3.925	76.43	5	JOZ	Tokio	Japan
3.936	76.24	7.5	YDB4	Djakarta, Java	Indonesia
3.937	76.14	15/120	—	Moscow, Russia	U.S.S.R.
3.950	75.95	100	CSA	Lisbon	Portugal
3.952	75.89	50/100	MCM	Overseas Service*	Great Britain
3.955	75.85	7.5	APD	Dacca	Pakistan
3.955	75.85	100	HER22	Schwarzenburg	Switzerland
3.960	75.75	10	YDL	Padang, Sumatra	Indonesia
3.960	75.75	1	—	Jidda	Saudi Arabia
3.965	75.66	10	—	Allouis	France
3.965	75.66	2.5	—	Enugu	Nigeria
3.965	75.66	7.5	APD	Dacca	Pakistan
3.970	75.57	100	DMR20	Norden	Germany (West)
3.975	75.50	50/100	GRC	Overseas Service*	Great Britain
3.975	75.50	5	CQM7	Bissao	Portuguese Guinea
3.978	75.42	5/100	VUD	Delhi	India
3.980	75.38	2	VRH4	Suva	Fiji Islands
3.980	75.38	10	YDI2	Surabaya, Java	Indonesia
3.980	75.38	35/100	—	Tangier (V.o.A.)	Tangier
3.985	75.28	100	HER22	Schwarzenburg	Switzerland

\* B.B.C. short-wave transmitters are located at Daventry, Northants; Skelton, Cumberland; Woofferton, Shropshire; and Rampisham, Dorset. Frequencies, calls and power are interchangeable.

Mc/s	Metres	kW	Call	Station and Country
3.995	75.09	—	—	Rome Italy
4.000	75.00	1	—	Ibadan Nigeria
4.010	74.81	25	—	Frunze, Kirghiz U.S.S.R.
4.200	71.43	—	—	Peking China
4.235	70.84	10	—	Achkhabad, Turkmenia U.S.S.R.
4.273	70.20	20	—	Khabarovsk, Russia U.S.S.R.
4.520	66.37	1	—	Vientiane, Laos Indo-China
4.560	65.79	1	—	Guryev, Russia U.S.S.R.
4.625	64.86	15	—	Alma Ata, Kazak U.S.S.R.
4.635	64.72	25	—	Stalinabad, Tadzhik U.S.S.R.
4.650	64.52	7	HC2AK	Guayaquil Ecuador
4.752	63.12	3	YDQ2	Macassar, Celebes Indonesia
4.755	63.09	1	ZYY3	Sao Paulo Brazil
4.760	63.03	3	—	Leopoldville Belgian Congo
4.760	63.03	2.5	—	Simla India
4.765	62.95	3	HJEF	Cali Colombia
4.770	62.89	1	YVMW	Punta Fijo Venezuela
4.775	62.82	1	CR6RG	Dondo Angola
4.779	62.76	5	HJAB	Barranquilla Colombia
4.780	62.76	5	ZHL7	Singapore Malaya
4.780	62.76	1	YVLA	Valencia Venezuela
4.790	62.63	7.5	YVQN	Puerto la Cruz Venezuela
4.792	63.60	3	FZI	Brazzaville French Eq. Africa
4.795	62.58	1	HJFU	Armenia Colombia
4.798	62.53	1	YSDR	Santa Ana Salvador
4.800	62.50	20	—	Lagos Nigeria
4.800	62.50	1	APL	Lahore Pakistan
4.800	62.50	20	—	Paradys South Africa
4.800	62.50	2	YVME	Maracaibo Venezuela
4.805	62.43	5	ZYS8	Manaos Brazil
4.805	62.43	1	ZYA27	Taubate Brazil
4.806	62.42	1	CR6AA	Lobito Angola
4.807	62.41	10/50	APL	Lahore Pakistan
4.807	62.41	1	CR5SB	Sao Thome St. Thomas Island
4.810	62.37	20	—	Paradys South Africa
4.810	62.37	1	YVMG	Maracaibo Venezuela
4.815	62.31	1	HI3C	La Romana Dominican Rep.
4.815	62.31	5/100	VUD	Delhi India
4.820	62.24	5	ZHL10	Singapore Malaya
4.820	62.24	1	—	St. Denis Reunion Island
4.820	62.24	1	YVNB	Coro Venezuela
4.824	62.19	3	—	Abidjan Ivory Coast
4.825	62.18	1	HJHG	Pasto Colombia
4.825	62.18	15	ZQP	Lusaka Northern Rhodesia
4.830	62.10	1.3	YVOA	San Cristobal Venezuela
4.834	62.05	2	HJKE	Bogota Colombia
4.835	62.05	10	ELWA	Monrovia Liberia
4.840	61.98	10	VUB	Bombay India
4.841	61.96	1.5	YVOI	Valera Venezuela
4.843	61.95	1	CR6RN	Luanda Angola
4.845	61.92	1	HJGF	Bucaramanga Colombia
4.850	61.86	1	YVMS	Barquisimeto Venezuela
4.852	61.84	1	CR6RD	Nova Lisboa Angola
4.855	61.79	1	CR6RA	Luanda Angola
4.855	61.79	1	HJFN	Neiva Colombia

Mc/s	Metres	kW	Call	Station and Country	
4.855	61.79	10	YDK	Palambang, Sumatra	Indonesia
4.860	61.73	1	—	Srinagar, Kashmir	India
4.860	61.73	1	YVPA	San Felipe	Venezuela
4.865	61.66	1	CSA	Punta Delgada	Azores
4.865	61.66	2	PRC5	Belem	Brazil
4.867	61.65	1	HJFA	Pereira	Colombia
4.868	61.63	7.5	CR7BV	Lourenco Marques	Mozambique
4.870	61.60	1	CR6RN	Luanda	Angola
4.870	61.60	11	ZOI	Colombo	Ceylon
4.870	61.60	1	FGF	Cotonou	Dahomey
4.871	61.59	2.5	HJBG	Cucuta	Colombia
4.875	61.55	1	HJFH	Armenia	Colombia
4.880	61.48	10	VUC	Calcutta	India
4.880	61.48	7.5	YVKF	Caracas	Venezuela
4.885	61.41	6	VQ7LO	Nairobi	Kenya
4.886	61.39	5	CR8AA	Goa	Goa
4.890	61.35	4.7	YVKB	Caracas	Venezuela
4.893	61.32	1	—	Dakar	Senegal
4.895	61.29	2.5	PRF6	Manaos	Brazil
4.895	61.29	3	HJCH	Bogota	Colombia
4.895	61.29	20	ZRG	Paradys	South Africa
4.897	61.26	10	VLX4	Perth, W.A.	Australia
4.897	61.26	1	HJAG	Barranquilla	Colombia
4.900	61.22	11	—	Colombo	Ceylon
4.900	61.22	1	YVQE	Ciudad Bolivar	Venezuela
4.901	61.21	7.5	—	Lagos	Nigeria
4.905	61.16	5	ZYZ20	Rio de Janeiro	Brazil
4.910	61.10	1	YDB2	Djakarta, Java	Indonesia
4.910	61.10	5	JKI	Tokio	Japan
4.910	61.10	10/50	APK	Karachi	Pakistan
4.915	61.04	1	HJEQ	Popayan	Colombia
4.915	61.04	1.3/5	ZOY	Accra	Ghana
4.920	60.98	10	VLM4	Brisbane, Qld.	Australia
4.920	60.98	10	VUM	Madras	India
4.923	60.95	5	YVKR	Caracas	Venezuela
4.925	60.94	1	ZYI21	Natal	Brazil
4.926	61.93	7.5	CR7BU	Lourenco Marques	Mozambique
4.930	60.85	1	HJAP	Cartagena	Colombia
4.930	60.85	1	HCIRC	Quito	Ecuador
4.930	60.85	5	CR8AB	Goa	Goa
4.930	60.85	7.5	YDP	Medan, Sumatra	Indonesia
4.930	60.85	7.5	—	Benghazi (B.F.N.)	Libya
4.933	60.82	6	VQ7LO	Nairobi	Kenya
4.935	60.79	1	HJFR	Ibague	Colombia
4.940	60.73	11	—	Colombo	Ceylon
4.940	60.73	5	—	Abidjan	Ivory Coast
4.940	60.73	40	—	Kiev, Ukraine	U.S.S.R.
4.940	60.73	4	YVMQ	Barquisimeto	Venezuela
4.945	60.67	1	HJCW	Bogota	Colombia
4.945	60.67	3	YDA3	Bandoeng, Java	Indonesia
4.945	60.67	20	—	Paradys	South Africa
4.950	60.61	5	—	Belize	British Honduras
4.950	60.61	5	ZQI	Kingston, Jamaica	British W. Indies
4.950	60.61	1	YVMM	Coro	Venezuela
4.957	60.49	1	CR6RA	Luanda	Angola

Mc/s	Metres	kW	Call	Station and Country	
4.957	60.49	10	HJCQ	Bogota	Colombia
4.957	60.49	2	—	Baku, Azerbaidjan	U.S.S.R.
4.960	60.48	5/100	VUD	Delhi	India
4.960	60.48	1	—	Blagoveshchensk, Russia	U.S.S.R.
4.960	60.48	1	YVQA	Cumana	Venezuela
4.965	60.45	7.5	—	Colombo	Ceylon
4.965	60.45	1	HJAE	Cartagena	Colombia
4.970	60.36	40	—	Kiev, Ukraine	U.S.S.R.
4.972	60.35	1	YVLK	Caracas	Venezuela
4.975	60.30	2.5	ZYY9	Sao Luiz	Brazil
4.975	60.30	1	—	Yaounde	Cameroons
4.975	60.30	3	—	Brazzaville	French Eq. Africa
4.978	60.27	4	—	Mogadishu	Italian Somaliland
4.982	60.22	5	YDN2	Kutaradja, Sumatra	Indonesia
4.989	60.12	5	YVMO	Barquisimeto	Venezuela
4.990	60.12	20	—	Lagos	Nigeria
4.995	60.06	1	ZYY2	Goiana	Brazil
4.995	60.06	10	—	Magadan, Russia	U.S.S.R.
4.995	60.06	10	—	Petrozavodsk, Karelia	U.S.S.R.
5.000	60.00	1	—	Kuwait	Kuwait
5.005	59.94	6.5	—	Khartoum	Sudan
5.010	59.88	7.5	—	Singapore	Malaya
5.013	59.84	10	HJCQ	Bogota	Colombia
5.015	59.82	10	—	Rio de Janeiro	Brazil
5.016	59.81	20	—	Vladivostok, Russia	U.S.S.R.
5.020	59.76	1	—	Colombo	Ceylon
5.027	59.68	1	HJFW	Manizales	Colombia
5.027	59.68	7.5	—	Kampala	Uganda
5.022	59.73	1	CR6RH	Lubango	Angola
5.029	59.65	7.5	YVKM	Caracas	Venezuela
5.030	59.64	1	YDM2	Bukittinggi, Sumatra	Indonesia
5.040	59.59	10	—	Tiflis, Georgia	U.S.S.R.
5.040	59.59	5	YVMA	Maracaibo	Venezuela
5.042	59.50	1	CR6RF	Benguela	Angola
5.045	59.46	5	ZYP23	Rio de Janeiro	Brazil
5.045	59.46	5	—	Bosnek, Biak	Dutch New Guinea
5.047	59.44	2.5	YVKD	Caracas	Venezuela
5.050	59.41	20	—	Dar-es-Salaam	Tanganyika
5.050	59.41	50	—	Petropavlovsk, Russia	U.S.S.R.
5.052	59.35	5	—	Kuching, Sarawak	Indonesia
5.055	59.35	5	HJDW	Medellin	Colombia
5.060	59.29	1.5	4VDP	Les Gonaires	Haiti
5.060	59.29	7.5	YDJ	Djakjakarta, Java	Indonesia
5.065	59.25	15/120	—	Moscow, Russia	U.S.S.R.
5.075	59.10	1	HJKH	Sutatenza	Colombia
5.085	58.96	1	—	Havana	Cuba
5.110	58.71	20	—	Khabarovsk, Russia	U.S.S.R.
5.125	58.55	—	—	Peking	China
5.220	57.45	—	—	Peking	China
5.225	57.39	—	—	Novosibirsk, Russia	U.S.S.R.
5.230	57.36	15/120	—	Moscow, Russia	U.S.S.R.
5.260	57.03	15	—	Alma Ata, Kazak	U.S.S.R.
5.270	56.93	15/120	—	Moscow, Russia	U.S.S.R.
5.290	56.71	—	—	Krasnoyarsk, Russia	U.S.S.R.
5.470	54.84	10	—	Frankfurt (A.F.N.)	Germany (West)

Mc/s	Metres	kW	Call	Station and Country	
5.700	52.63	—	—	Pyongyang	Korea
<del>5.740</del>	<del>52.26</del>	<del>5</del>	—	<del>Eriwan, Armenia</del>	<del>U.S.S.R.</del>
5.740	52.26	15/120	—	Moscow, Russia	U.S.S.R.
<del>5.750</del>	<del>52.20</del>	<del>1</del>	<del>CE8AA</del>	<del>Santiago</del>	<del>Chile</del>
5.880	61.08	—	—	Peking	China
<del>5.880</del>	<del>51.02</del>	<del>1</del>	<del>HROW</del>	<del>Tegucigalpa</del>	<del>Honduras Rep.</del>
<del>5.892</del>	<del>50.91</del>	<del>5</del>	<del>ZRK</del>	<del>Cape Town</del>	<del>South Africa</del>
5.900	50.85	15	—	Alma Ata, Kazak	U.S.S.R.
5.905	50.81	15/120	—	Moscow, Russia	U.S.S.R.
5.930	50.59	15/120	—	Moscow, Russia	U.S.S.R.
<del>5.938</del>	<del>50.52</del>	<del>5</del>	—	<del>Dakar</del>	<del>Senegal</del>
<del>5.940</del>	<del>50.51</del>	<del>1</del>	<del>YNWW</del>	<del>Granada</del>	<del>Nicaragua</del>
5.940	50.51	20	—	Khabarovsk, Russia	U.S.S.R.
5.940	50.51	15/120	—	Moscow, Russia	U.S.S.R.
<del>5.950</del>	<del>50.42</del>	<del>5</del>	<del>TGNA</del>	<del>Guatemala City</del>	<del>Guatemala</del>
5.950	50.42	1.5	EA9AH	Tetuan	Spanish Morocco
5.953	50.39	100	—	Allouis	France
<del>5.953</del>	<del>50.39</del>	<del>7.5/100</del>	—	<del>Warsaw</del>	<del>Poland</del>
<del>5.955</del>	<del>50.38</del>	<del>7.5</del>	—	<del>Sao Paulo</del>	<del>Brazil</del>
<del>5.960</del>	<del>50.34</del>	<del>1</del>	<del>HJCF</del>	<del>Bogota</del>	<del>Colombia</del>
5.960	50.34	35	—	Athens	Greece
<del>5.960</del>	<del>50.34</del>	<del>1</del>	<del>HRN</del>	<del>Tegucigalpa</del>	<del>Honduras Rep.</del>
5.960	50.34	—	—	Rome	Italy
5.960	50.34	50/100	CSA	Lisbon	Portugal
5.960	50.34	15/120	—	Moscow, Russia	U.S.S.R.
5.965	50.30	100	—	Allouis	France
5.965	50.30	15/120	—	Moscow, Russia	U.S.S.R.
5.968	50.27	50	—	Rabat	French Morocco
5.970	50.25	50	CKNA	Sackville, N.B.	Canada
5.970	50.25	—	—	Peking	China
<del>5.970</del>	<del>50.25</del>	<del>7.5</del>	<del>HI4F</del>	<del>Ciudad Trujillo</del>	<del>Dominican Rep.</del>
<del>5.970</del>	<del>50.25</del>	<del>3</del>	—	<del>Brazzaville</del>	<del>French Eq. Africa</del>
<del>5.970</del>	<del>50.25</del>	<del>10</del>	<del>YDO2</del>	<del>Bandjermassin, Borneo</del>	<del>Indonesia</del>
<del>5.970</del>	<del>50.25</del>	<del>7.5</del>	<del>APD</del>	<del>Dacca</del>	<del>Pakistan</del>
<del>5.970</del>	<del>50.25</del>	<del>5</del>	<del>ZPA1</del>	<del>Asuncion</del>	<del>Paraguay</del>
<del>5.970</del>	<del>50.25</del>	<del>2</del>	<del>OBX4Q</del>	<del>Lima</del>	<del>Peru</del>
5.975	50.21	50/100	MCP	Overseas Service*	Great Britain
5.975	50.21	7.5/100	—	Warsaw	Poland
<del>5.976</del>	<del>50.20</del>	<del>3</del>	—	<del>Jidda</del>	<del>Saudi Arabia</del>
X5.979	50.18	25	—	Andorra La Vieja	Andorra
<del>5.979</del>	<del>50.18</del>	<del>5</del>	<del>HJDY</del>	<del>Medellin</del>	<del>Colombia</del>
5.980	50.18	50	—	Leopoldville	Belgian Congo
5.980	50.17	100	DMR25	Norden	Germany (West)
<del>5.980</del>	<del>50.17</del>	<del>7.5</del>	—	<del>Port au Prince</del>	<del>Haiti</del>
<del>5.980</del>	<del>50.17</del>	<del>7.5</del>	<del>APD</del>	<del>Dacca</del>	<del>Pakistan</del>
5.980	50.17	5	—	Bucharest	Rumania
<del>5.980</del>	<del>50.17</del>	<del>1</del>	<del>YSWW</del>	<del>Santa Ana</del>	<del>Salvador</del>
5.980	50.17	15/120	—	Moscow, Russia	U.S.S.R.
<del>5.980</del>	<del>50.17</del>	<del>2</del>	<del>RJ214</del>	<del>Frunzik, Russia</del>	<del>U.S.S.R.</del>
<del>5.980</del>	<del>50.17</del>	<del>5</del>	—	<del>St. Georges, Grenada</del>	<del>Windward Is.</del>
<del>5.981</del>	<del>50.16</del>	<del>2</del>	<del>ZFVV</del>	<del>Georgetown</del>	<del>British Guyana</del>
5.984	50.14	4	OEI30	Vienna	Austria
<del>5.985</del>	<del>50.13</del>	<del>100</del>	<del>BEV29</del>	<del>Tripoli</del>	<del>Portugal</del>
<del>5.985</del>	<del>50.13</del>	<del>2</del>	<del>MA</del>	<del>Sarajevo</del>	<del>Yugoslavia</del>
<del>5.986</del>	<del>50.12</del>	<del>5</del>	<del>BRSA</del>	<del>Buenos Aires</del>	<del>Argentina</del>

6-025	19-79	30	OLR	Podobny	Czechoslovakia
Mc/s	Metres	kW	Call	Station and Country	
5.990	50.08	1	NO	Dixon	Costa Rica
5.990	50.08	50/100	MCU	Overseas Service*	Great Britain
5.990	50.08	1	TOVA	Guatemala City	Guatemala
5.990	50.08	5/100	VUD	Delhi	India
5.990	50.08	1	YDPS	Manado, Celebes	Indonesia
5.990	50.08	1	H050	Panama City	Panama
5.990	50.08	50	—	Komsomolsk, Russia	U.S.S.R.
5.995	50.04	1	HAPN	San Pedro Sula	Honduras Rep.
5.995	50.04	1	YDPA	Leon	Nicaragua
5.995	50.04	7.5/100	—	Warsaw	Poland
X5.995	50.04	100	—	Madrid	Spain
5.995	50.04	15/120	—	Moscow, Russia	U.S.S.R.
6.000	50.00	1	PKKS	Belo Horizonte	Brazil
6.000	50.00	1	HUKD	Bogota	Colombia
6.000	50.00	1	DZHA	Manila, Luzon	Philippines
X6.000	50.00	15/120	—	Moscow, Russia	U.S.S.R.
6.000	50.00	1	XXXY	Montevideo	Uruguay
6.004	49.96	1	ZZ	Calombo	Ceylon
6.005	49.96	1	CPXX	Montréal, Quebec	Canada
X6.005	49.96	20	—	Berlin (R.I.A.S.)	Germany (West)
6.005	49.96	1	HPSK	Colon	Panama
6.005	49.96	20	—	Paradys	South Africa
6.006	49.96	1	—	Rabat	French Morocco
6.010	49.92	1	CPXX	Sydney, N.S.	Canada
6.010	49.92	1	EE691	Antofagasta	Chile
6.010	49.92	1	HUPG	Armenia	Colombia
6.010	49.92	30	OLR2A	Podebrady	Czechoslovakia
6.010	49.92	50/100	GRB	Overseas Service*	Great Britain
6.010	49.92	10	YUQ	Calcutta	India
6.010	49.92	60	—	Rome	Italy
6.010	49.92	25	XEOL	Mexico City	Mexico
6.010	49.92	1	ALSO	San Salvador	Salvador
6.012	49.88	22	YVM	Fortaleza	Brazil
6.015	49.88	1	PRX8	Recife	Brazil
6.015	49.88	35	—	Salonika (V.o.A.)	Greece
6.018	49.85	1	ZZ	Rangoon	Burma
6.018	49.85	7.5	—	Salisbury	Southern Rhodesia
6.019	49.84	1	QXK4Q	Hima	Brazil
6.020	49.83	1	HICK	Bogota	Colombia
X6.020	49.83	5	PCD	Lopik	Netherlands
6.020	49.83	1	ZLZA	Wellington	New Zealand
6.020	49.83	50/200	KNBH	Dixon, Cal.	U.S.A.
6.020	49.83	40	—	Kiev, Ukraine	U.S.S.R.
6.020	49.83	50	—	Komsomolsk, Russia	U.S.S.R.
6.025	49.79	50	ZYR63	Sao Paulo	Brazil
6.025	49.79	1	YBKA	Kuala Lumpur	Malaya
X6.025	49.79	40	—	Lopik	Netherlands
6.025	49.79	7.5/100	—	Warsaw	Poland
6.025	49.79	5/20	—	Tangier	Tangier
6.030	49.75	10	—	Stuttgart (S.D.R.)	Germany (West)
6.030	49.75	1	ZGPA	Guatemala City	Guatemala
6.030	49.75	1	XERW	Moselia	Mexico
6.030	49.75	1	APL	Lahore	Pakistan
6.030	49.75	1	DZHA	Manila, Luzon	Philippines
6.030	49.75	15/120	—	Moscow, Russia	U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country
6.035	49.71	—	ZYC26	Sao Paulo Brazil
<del>6.035</del>	<del>49.71</del>	<del>2</del>	<del>TUPCA</del>	<del>San Jose</del> Costa Rica
6.035	49.71	50/100	GWS	Overseas Service* Great Britain
<del>6.035</del>	<del>49.71</del>	<del>1</del>	<del>HRM</del>	<del>Pela</del> Honduras Rep.
6.035	49.71	25	3AM3	Monte Carlo Monaco
<del>6.035</del>	<del>49.71</del>	<del>1</del>	<del>PK3AA</del>	<del>Noumea</del> New Caledonia
6.035	49.71	15/120	—	Moscow, Russia U.S.S.R.
<del>6.035</del>	<del>49.71</del>	<del>1</del>	<del>CXA30</del>	<del>Montevideo</del> Uruguay
<del>6.036</del>	<del>49.70</del>	<del>10</del>	<del>GR6RZ</del>	<del>Luanda</del> Angola
<del>6.036</del>	<del>49.69</del>	<del>1.5</del>	<del>FUABG</del>	<del>San Jose</del> Costa Rica
<del>6.040</del>	<del>49.67</del>	<del>10</del>	<del>HJLV</del>	<del>Cali</del> Colombia
<del>6.040</del>	<del>49.67</del>	<del>10</del>	<del>HJDB</del>	<del>Hague</del> Colombia
6.040	49.67	8/100	—	Munich (V.o.A.) Germany (West)
6.040	49.67	50/100	GSY	Overseas Service* Great Britain
6.040	49.67	15/120	—	Moscow, Russia U.S.S.R.
6.045	49.63	100	—	Allouis France
6.045	49.63	100	YDF	Djakarta, Java Indonesia
<del>6.045</del>	<del>49.63</del>	<del>5</del>	<del>XETW</del>	<del>Tampico</del> Mexico
<del>6.045</del>	<del>49.63</del>	<del>1</del>	<del>HOU31</del>	<del>David</del> Panama
6.045	49.63	15/120	—	Moscow, Russia U.S.S.R.
<del>6.047</del>	<del>49.61</del>	<del>1</del>	<del>—</del>	<del>Amman</del> Jordan
<del>6.050</del>	<del>49.59</del>	<del>1</del>	<del>HIIN</del>	<del>Santiago</del> Dominican Rep.
<del>6.050</del>	<del>49.59</del>	<del>1</del>	<del>HCJB</del>	<del>Quito</del> Ecuador
6.050	49.59	50/100	GSA	Overseas Service* Great Britain
6.050	49.59	50	—	Komsomolsk, Russia U.S.S.R.
6.050	49.59	15/120	—	Moscow, Russia U.S.S.R.
6.050	49.59	2	—	Tiflis, Georgia U.S.S.R.
6.053	49.57	2.5	HJEX	Cali Colombia
6.055	49.55	5	PRB21	Sao Paulo Brazil
6.055	49.55	30	OLR	Podebrady Czechoslovakia
6.055	49.55	5	JO22	Tokio Japan
6.055	49.55	25	HER2	Schwarzenburg Switzerland
6.055	49.55	5	CXA14	Montevideo Uruguay
6.060	49.50	50	CKRZ	Sackville, N.B. Canada
6.060	49.50	50	OZF3	Copenhagen Denmark
6.060	49.50	50/100	GSX	Overseas Service* Great Britain
6.060	49.50	1.5	TGXX	Guatemala City Guatemala
6.060	49.50	5/100	VUD	Delhi India
6.060	49.50	—	—	Caltanissetta Italy
6.060	49.50	3	VQ7LO	Nairobi Kenya
6.060	49.50	1	HORT	Panama City Panama
6.060	49.50	7.5/50	—	Manila, Luzon (V.o.A.) Philippines
6.060	49.50	15/120	—	Moscow, Russia U.S.S.R.
6.061	49.49	1	HRYN2	San Pedro Sula Honduras Rep.
6.062	49.47	5	—	Kuching, Sarawak Indonesia
6.065	49.46	25	LRA1	Buenos Aires Argentina
6.065	49.46	1	HC2FQ	Guayaquil Ecuador
6.065	49.46	1	YNEG	Managua Nicaragua
6.065	49.46	100	—	Horby Sweden
6.065	49.46	15/120	—	Moscow, Russia U.S.S.R.
6.066	49.45	—	—	Peking China
*6.070	49.42	5	—	Sofia Bulgaria
6.070	49.42	1	CFRX	Toronto, Ont. Canada
6.070	49.42	50/100	GRR	Overseas Service* Great Britain
6.070	49.42	10/50	APK	Karachi Pakistan



6.105 49.14 7.5/100 Warygawa  
 6.117 49.04 7.5/100 Warygawa

Polška.  
Polška.

Mc/s	Metres	kW	Call	Station and Country
6.073	49.41	7.5	—	Athens Greece
6.075	49.38	100	DMR27	Norden Germany (West) X
6.075	49.38	1	APL	Lahore Pakistan
6.075	49.38	10	—	Erivan, Armenia U.S.S.R.
6.075	49.38	2.5	CXA3	Montevideo Uruguay
6.076	49.36	5	CE607	Santiago Chile
6.080	49.34	8/100	—	Munich (V.o.A.) Germany (West)
6.080	49.34	50/100	MCV	Overseas Service* Great Britain
6.080	49.34	7.5	ZL7	Wellington New Zealand
6.080	49.34	10	DZI7	Manila, Luzon Philippines
6.080	49.34	1	CSB51	Lisbon Portugal
6.080	49.34	50	—	Petropavlovsk, Russia U.S.S.R.
6.081	49.33	15	OAX4Z	Lima Peru
6.085	49.30	3	—	Stanleyville Belgian Congo
6.085	49.30	16	ZYK2	Recife Brazil
6.085	49.30	10	VUM	Madras India
6.086	49.29	—	—	Peking China
6.086	49.29	7.5	—	Tabris Persia
6.087	49.29	10	HRNQ	Tegucigalpa Honduras Rep.
6.090	49.26	50	LRV	Buenos Aires Argentina
6.090	49.26	2	VI16	Sydney, N.S.W. Australia
6.090	49.26	50	CKOB	Sackville, N.B. Canada
6.090	49.26	50/100	GWM	Overseas Service* Great Britain
6.090	49.26	1	—	Pnompenh, Cambodia Indo-China
X6.090	49.26	5	LXA	Luxembourg Luxembourg X
6.090	49.26	10/50	APK	Karachi Pakistan
6.095	49.22	25	ZYB7	Sao Paulo Brazil
6.095	49.22	7.5	—	Colombo Ceylon
6.095	49.22	1	YSC	San Salvador Salvador
6.095	49.22	100	—	Horby Sweden
6.098	49.20	1	OAX4G	Lima Peru
6.100	49.18	5	—	Belize British Honduras
X6.100	49.18	10	YUA	Belgrade Yugoslavia
6.101	49.17	7.5	—	Enugu Nigeria
6.101	49.17	2	—	Jidda Saudi Arabia
6.105	49.14	5	ZYN6	Fortaleza Brazil
6.105	49.14	4.5	HJFD	Manizales Colombia
6.105	49.14	30	—	Podebrady Czechoslovakia
6.110	49.10	50/100	GSL	Overseas Service* Great Britain
6.110	49.10	1	TGQA	Quezaltenango Guatemala
6.110	49.10	1	HRXW	Comayaguela Honduras Rep.
6.110	49.10	1	—	Srinagar, Kashmir India
6.110	49.10	7.5/100	—	Tebrau Malaya
6.110	49.10	7.5	DZI3	Manila, Luzon Philippines
6.110	49.10	1	—	Tangier Tangier
6.110	49.10	—	—	Leningrad, Russia U.S.S.R.
6.111	49.09	1	4VE	Cap Haitien Haiti
6.115	49.06	1	FLA6	Duala Camaroons
6.115	49.06	1	HI1Z	Ciudad Trujillo Dominican Rep.
6.115	49.06	5	—	Berlin Germany (East)
6.115	49.06	50	—	Komsomolsk, Russia U.S.S.R.
6.120	49.02	1	LRX1	Buenos Aires Argentina
6.120	49.02	7.5	ZJM4	Limassol Cyprus
6.120	49.02	15	OIX7	Pori Finland
6.120	49.02	15/120	—	Moscow, Russia U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country	
6.124	48.99	1	HRQ	San Pedro	Honduras Rep.
6.125	48.98	7.5	—	Sao Paulo	Brazil
6.125	48.98	50/100	GWA	Overseas Service*	Great Britain
6.125	48.98	1	—	Saigon	Indo-China
6.130	48.94	1	CHNX	Halifax, N.S.	Canada
6.130	48.94	1	COCD	Havana	Cuba
6.130	48.94	5/100	VUD	Delhi	India
6.130	48.94	10	LKJ	Tromso	Norway
6.130	48.94	2	VLT6	Port Moresby	Papua
6.130	48.94	1	OAX7A	Cuzco	Peru
X6.130	49.94	50/200	—	Madrid	Spain X
6.130	48.94	1	FO8AA	Papeete	Tahiti
6.130	48.94	10	CXA4	Montevideo	Uruguay
6.135	48.90	7.5	PRC21	Porto Alegre	Brazil
6.135	48.90	1	HJEV	Cali	Colombia
6.135	48.90	7.5	ZHL	Singapore	Malaya
6.135	48.90	7.5/100	—	Warsaw	Poland
6.135	48.90	—	—	Ulan Ude, Russia	U.S.S.R.
6.140	48.86	3	OTMI	Leopoldville	Belgian Congo
?X6.140	48.86	8/100	—	Munich (V.o.A.)	Germany (West)
6.140	48.86	50/100	MCW	Overseas Service*	Great Britain
6.140	48.86	1	YNWA	Managua	Nicaragua
6.140	48.86	1	DYH2	Cebu	Philippines
?X6.140	48.86	35/100	—	Tangier (V.o.A.)	Tangier
6.145	48.82	5	HJDE	Medellin	Colombia
6.145	48.82	100	—	Allouis	France
6.145	48.82	35	—	Okinawa (V.o.A.)	Okinawa Island
6.147	48.79	50	PRL9	Rio de Janeiro	Brazil
6.150	48.78	2	VLR6	Lyndhurst, Vic.	Australia
6.150	48.78	1	CP12	La Paz	Bolivia
6.150	48.78	2	CKRO	Winnipeg, Manitoba	Canada
6.150	48.78	5	CE615	Valparaiso	Chile
6.150	48.78	50/100	GRW	Overseas Service*	Great Britain
6.150	48.78	1	4VWA	Cap Haitien	Haiti
6.150	48.78	10	VUB	Bombay	India
6.150	48.78	15/120	—	Moscow, Russia	U.S.S.R.
X6.150	48.78	100	YUA	Belgrade	Yugoslavia X
6.152	48.76	2	TIRH	San Jose	Costa Rica
6.152	48.76	7.5	—	Isfahan	Persia
6.154	48.75	10	CSB52	Lisbon	Portugal
6.155	48.74	4	OEI21	Vienna	Austria
6.155	48.74	10	HJKC	Bogota	Colombia
6.155	48.74	35	—	Salonika (V.o.A.)	Greece
6.155	48.74	2	EQB	Teheran	Persia
6.155	48.74	3	—	Jidda	Saudi Arabia
6.156	48.74	5	CXA13	Montevideo	Uruguay
6.160	48.70	10	—	Algiers	Algeria
6.160	48.70	1	CP40	Cochabamba	Bolivia
6.160	48.70	50	CHAC	Sackville, N.B.	Canada
6.160	48.70	5	HJKJ	Bogota	Colombia
6.160	48.70	10	—	Munich (B.R.)	Germany (West)
6.165	48.66	7.5	ZYR58	Sao Paulo	Brazil
6.165	48.66	2	TILS	San Jose	Costa Rica
6.165	48.66	50/100	GWK	Overseas Service *	Great Britain
6.165	48.66	6	—	Khartoum	Sudan

Mc/s	Metres	kW	Call	Station and Country	
X6.165	48.66	100	HER3	Schwarzenburg	Switzerland X
6.165	48.66	20	—	Damascus	Syria
6.165	48.66	15/120	—	Moscow, Russia	U.S.S.R.
6.170	48.62	7.5	ZJM5	Limassol	Cyprus
6.170	48.62	50/100	GSZ	Overseas Service*	Great Britain
6.170	48.62	1	DUH2	Manila, Luzon	Philippines
6.170	48.62	1	CXA21	Montevideo	Uruguay
6.170	48.62	2	YVKO	Caracas	Venezuela
6.172	48.60	30	OLR	Kostalany	Czechoslovakia X
6.172	48.60	1	FIQA	Tananarive	Madagascar
6.175	48.58	100	—	Allouis	France X
6.175	48.58	1.5	HRTW	Tegucigalpa	Honduras Rep.
6.175	48.58	7.5/100	—	Tebrau	Malaya
6.175	48.58	2.5	—	Enugu	Nigeria
6.176	48.57	2	—	Jidda	Saudi Arabia
6.180	48.54	10	LRA	Buenos Aires	Argentina
6.180	48.54	50/100	GRO	Overseas Service*	Great Britain
6.180	48.54	1	TGWB	Guatemala City	Guatemala
6.180	48.54	15/120	—	Moscow, Russia	U.S.S.R.
6.183	48.52	10	HJCT	Bogota	Colombia
6.185	48.50	10	ZYR77	Sao Paulo	Brazil
6.185	48.50	50/200	KCBR	Delano, Cal.	U.S.A.
6.190	48.47	1	CE619	Santiago	Chile
6.190	48.47	5/100	VUD	Delhi	India
6.190	48.47	10	VUM	Madras	India
6.190	48.47	1	YSUA	San Salvador	Salvador
6.190	48.47	25	HVJ	Vatican City	Vatican City
6.195	48.43	7.5	—	Nichteroy	Brazil
6.195	48.43	5	HJEZ	Cali	Colombia
6.195	48.43	50/100	GRN	Overseas Service*	Great Britain
6.195	48.43	1.5	4VHW	Port au Prince	Haiti
6.195	48.43	—	—	Leningrad, Russia	U.S.S.R.
6.196	48.43	7.5/100	—	Warsaw	Poland
6.200	48.39	100	—	Allouis	France
6.200	48.39	10	HRNQ	Tegucigalpa	Honduras Rep.
6.203	48.37	—	—	Peking	China
6.207	48.34	1	TGDA	Quezaltenango	Guatemala
6.210	48.31	5	—	Bucharest	Rumania
6.213	48.29	—	—	Peking	China
6.215	48.27	40/100	—	Cairo	Egypt
6.216	48.26	1.5	YSO	San Salvador	Salvador
6.220	48.23	10/50	APK	Karachi	Pakistan
6.220	48.23	8	—	Malaga	Spain
6.225	48.19	—	—	Peking	China
6.233	48.13	30	OLR	Podebrady	Czechoslovakia
6.235	48.12	50	APK	Karachi	Pakistan
6.267	47.74	1	—	Istanbul	Turkey
6.268	47.75	7.5	—	Mytilene	Greece
6.297	47.64	1	OAX4H	Lima	Peru
6.320	47.47	1	OAX6E	Arequipa	Peru
6.355	47.21	1	CR6RZ	Luanda	Angola
6.365	47.14	15/120	—	Moscow, Russia	U.S.S.R.
6.373	47.09	50/100	CSA21	Lisbon	Portugal
6.495	46.19	1	—	Jerusalem	Jordan
6.500	46.15	2	—	Beirut	Lebanon

Mc/s	Metres	kW	Call	Station and Country	
6.665	45.02	100	—	Allouis	France
6.722	44.63	7.5	4XB44	Tel Aviv	Israel
6.730	44.58	15	—	Tashkent, Uzbek	U.S.S.R.
6.790	44.18	7.5	ZJM6	Limassol	Cyprus
6.810	44.05	—	—	Peking	China
6.818	44.00	3	—	Tirana	Albani
6.833	43.90	50	4XB21	Tel Aviv	Israel
6.875	43.65	5	—	Tashkent, Uzbek	U.S.S.R.
6.890	43.54	—	—	Peking	China
6.980	42.98	15/120	—	Moscow, Russia	U.S.S.R.
6.995	42.89	—	—	Peking	China
6.995	42.89	3	EAJ3	Valencia	Spain
7.005	42.83	1	—	Valladolid	Spain
7.008	42.81	50	APK	Karachi	Pakistan
7.050	42.55	100	—	Allouis	France
7.055	42.52	50	—	Cairo	Egypt
7.071	42.43	5	CR8AB	Goa	Goa
7.078	42.37	—	—	Peking	China
7.078	42.37	5/100	VUD	Delhi	India
7.078	42.37	3	—	Jidda	Saudi Arabia
7.090	42.31	1	—	Madrid	Spain
7.097	42.27	100	—	Allouis	France
7.100	42.25	20	YDJ2	Djokjakarta, Java	Indonesia
7.100	42.25	1	—	Katmandu	Nepal
7.100	42.25	7.5/100	—	Warsaw	Poland
7.100	42.25	50/200	—	Madrid	Spain
7.100	42.25	35/100	—	Tangier (V.o.A.)	Tangier
7.100	42.25	15/120	—	Moscow, Russia	U.S.S.R.
7.105	42.22	100	—	Allouis	France
7.105	42.22	5/100	VUD	Delhi	India
7.105	42.22	2.5	HS3PN	Bangkok	Siam
7.105	42.22	15/120	—	Moscow, Russia	U.S.S.R.
7.110	42.19	35	—	Colombo	Ceylon
7.110	42.19	50/100	MCS	Overseas Service*	Great Britain
7.110	42.19	7.5/100	—	Warsaw	Poland
7.110	42.19	10	—	Kampala	Uganda
7.115	42.16	15/120	—	Moscow, Russia	U.S.S.R.
7.119	42.13	—	EA9AA	Tangier	Tangier
7.120	42.13	100	—	Allouis	France
7.120	42.13	50/100	GRM	Overseas Service*	Great Britain
7.120	42.13	5/100	VUD	Delhi	India
7.120	42.13	7.5/100	—	Tebrau	Malaya
7.125	42.11	5/100	VUD	Delhi	India
7.127	42.09	1	VQ6MI	Hargeisa	British Somaliland
7.130	42.07	50/100	—	Overseas Service*	Great Britain
7.130	42.07	5/100	VUD	Delhi	India
7.132	42.07	30	3AM4	Monte Carlo	Monaco
7.132	42.07	2	—	Jidda	Saudi Arabia
7.132	42.07	40	—	Kiev, Ukraine	U.S.S.R.
7.135	42.05	4	OEI31	Vienna	Austria
7.135	42.05	3	CR4AA	Praia	Cape Verde Islands
7.135	42.05	50/100	GRS	Overseas Service*	Great Britain
7.135	42.05	5/100	VUD	Delhi	India
7.135	42.05	15/120	—	Moscow, Russia	U.S.S.R.
7.140	42.02	7.5	APD	Dacca	Pakistan

Mc/s	Metres	kW	Call	Station and Country	
7.145	41.99	5/100	VUD	Delhi	India
7.145	41.99	1	—	Vientiane, Laos	Indo-China
7.145	41.99	7.5/100	—	Warsaw	Poland
7.145	41.99	20	—	Damascus	Syria
7.145	41.99	15/120	—	Moscow, Russia	U.S.S.R.
7.150	41.96	100	—	Berlin	Germany (East)
7.150	41.96	50/100	GRT	Overseas Service*	Great Britain
7.150	41.96	5/100	VUD	Delhi	India
7.150	41.96	50	—	Komsomolsk, Russia	U.S.S.R.
7.155	41.93	8/100	—	Munich (V.o.A.)	Germany (West)
7.155	41.93	1	FIQA	Tananarive	Madagascar
7.155	41.93	15/120	—	Moscow, Russia	U.S.S.R.
7.160	41.90	100	—	Allouis	France
7.160	41.90	35	—	Okinawa (V.o.A.)	Okinawa Island
7.170	41.84	3	—	Aden	Aden
7.170	41.84	—	—	Peking	China
7.170	41.84	5/100	VUD	Delhi	India
7.170	41.84	2.5	—	Simla	India
7.170	41.84	15/120	—	Moscow, Russia	U.S.S.R.
7.175	41.81	—	—	Caltanissetta	Italy
7.175	41.81	7.5/100	—	Warsaw	Poland
7.180	41.78	15/120	—	Moscow, Russia	U.S.S.R.
7.185	41.75	50/100	GRK	Overseas Service*	Great Britain
7.185	41.75	35/100	—	Tangier (V.o.A.)	Tangier
7.185	41.75	15/120	—	Moscow, Russia	U.S.S.R.
7.190	41.72	7.5	—	Colombo	Ceylon
7.190	41.72	1	FGF3	Cotonu	Dahomey
7.200	41.67	1	CR6RO	Silva Porto	Angola
7.200	41.67	50/100	GWZ	Overseas Service*	Great Britain
7.200	41.67	15/120	—	Moscow, Russia	U.S.S.R.
7.200	41.67	100	—	Belgrade	Yugoslavia*
7.205	41.64	100	DMR31	Norden	Germany (West)
7.205	41.64	7.5/100	—	Warsaw	Poland
7.205	41.64	15/120	—	Moscow, Russia	U.S.S.R.
7.208	41.62	1	—	Hue	Indo-China
7.210	41.61	50/100	GWL	Overseas Service*	Great Britain
7.210	41.61	10	VUC	Calcutta	India
7.210	41.61	10	LLS	Tromso	Norway
7.210	41.61	100	—	Horby	Sweden*
7.210	41.61	100	HEI3	Schwarzenburg	Switzerland*
7.210	41.61	15/120	—	Moscow, Russia	U.S.S.R.
7.211	41.60	7.5	CR7BX	Lourenco Marques	Mozambique
7.212	41.59	20	—	Khabarovsk, Russia	U.S.S.R.
7.214	41.59	50	—	Rabat	French Morocco
7.215	41.58	15/120	—	Moscow, Russia	U.S.S.R.
7.220	41.55	50	VLC7	Shepparton, Vic.	Australia
7.220	41.55	100	—	Allouis	France
7.220	41.55	50/100	—	Overseas Service*	Great Britain*
7.220	41.55	15	ZQP	Lusaka	Northern Rhodesia
7.222	41.54	100	—	Budapest	Hungary
7.225	41.52	—	—	Peking	China
7.225	41.52	1	APL	Lahore	Pakistan
7.230	41.49	1	CR6RM	Mossamedes	Angola
7.230	41.49	50/100	GSW	Overseas Service*	Great Britain
7.230	41.49	20	—	Paradys	South Africa

Mc/s	Metres	kW	Call	Station and Country	
7.230	41.49	15/120	—	Moscow, Russia	U.S.S.R.
X7.235	41.47	30	OLR	Podebrady	Czechoslovakia
7.235	41.47	35/100	—	Tangier (V.o.A.)	Tangier
7.235	41.47	15/120	—	Moscow, Russia	U.S.S.R.
X7.240	41.44	100	—	Allouis	France
7.240	41.44	10	VUB	Bombay	India
7.240	41.44	2.5	VQ7LO	Nairobi	Kenya
7.240	41.44	20	—	Damascus	Syria
7.245	41.41	4	OEI22	Vienna	Austria
7.245	41.41	100	—	Allouis	France
7.245	41.41	15/120	—	Moscow, Russia	U.S.S.R.
7.250	41.38	8/100	—	Munich (V.o.A.)	Germany (West)
7.250	41.38	50/100	GW1	Overseas Service*	Great Britain
7.250	41.38	1	YDP3	Medan, Sumatra	Indonesia
7.250	41.38	1	YDG3	Surakarta, Java	Indonesia
7.255	41.35	5	—	Sofia	Bulgaria
7.255	41.35	30	OLR	Podebrady	Czechoslovakia
7.255	41.35	15/120	—	Moscow, Russia	U.S.S.R.
7.257	41.33	5	JKH	Tokio	Japan
7.260	41.32	4	—	Vienna	Austria
7.260	41.32	50/100	GSU	Overseas Service*	Great Britain
7.260	41.32	35	—	Salonika (V.o.A.)	Greece
7.260	41.32	10	VUM	Madras	India
7.260	41.32	12	—	Saigon	Indo-China
7.260	41.32	15/120	—	Moscow, Russia	U.S.S.R.
7.265	41.29	1	—	Bad Durrheim	Germany (West)
7.265	41.29	15/120	—	Moscow, Russia	U.S.S.R.
7.268	41.28	1	—	Dalat	Indo-China
7.270	41.27	7.5	YDB3	Djakarta, Java	Indonesia
X7.270	41.27	12	—	Motala	Sweden
7.270	41.27	5	—	Erivan, Armenia	U.S.S.R.
7.270	41.27	10	—	Magadan, Russia	U.S.S.R.
7.270	41.27	15/120	—	Moscow, Russia	U.S.S.R.
7.275	41.24	5/100	VUD	Delhi	India
-7.275	41.24	50/100	—	Rome	Italy
7.275	41.25	20	—	Paradys	South Africa
7.275	41.25	7.5	—	Salisbury	Southern Rhodesia
7.280	41.21	100	VLA7	Shepparton, Vic.	Australia
7.280	41.21	100	—	Allouis	France
7.280	41.21	50/100	GWN	Overseas Service*	Great Britain
7.280	41.21	7.5	APD	Dacca	Pakistan
7.280	41.21	15/120	—	Moscow, Russia	U.S.S.R.
7.280	41.21	25	HVJ	Vatican City	Vatican City
7.285	41.18	5/100	VUD	Delhi	India
7.285	41.18	5	JKJ	Tokio	Japan
7.285	41.18	50	APK	Karachi	Pakistan
X7.285	41.18	100	TAS	Ankara	Turkey
7.290	41.15	2.5	—	Addis Ababa	Ethiopia
7.290	41.15	100	DMR33	Norden	Germany (West)
7.290	41.15	5/100	VUD	Delhi	India
7.290	41.15	60	—	Rome	Italy
7.290	41.15	15/120	—	Moscow, Russia	U.S.S.R.
7.295	41.12	2	EA8AB	Teneriffe	Canary Islands
7.295	41.12	8/100	—	Munich (V.o.A.)	Germany (West)
7.295	41.12	20	YDQ3	Macassar, Celebes	Indonesia

9.335 32.13 35/100		Tangier. (V.O.A.)		Tangier.
7.322 40.98		Overseas Service*		Great Britain.
Mc/s	Metres	kW	Call	Station and Country
7.295	41.12	20	—	Paradys South Africa
7.297	41.11	—	—	Peking China
7.310	41.04	15/120	—	Moscow, Russia U.S.S.R.
7.325	40.96	50/100	GRJ	Overseas Service* Great Britain
7.325	40.96	15/120	—	Moscow, Russia U.S.S.R.
7.330	40.93	—	—	Stalinabad, Tadzhik U.S.S.R.
7.336	40.90	3.5	BEC36	Taipei Formosa
7.340	40.87	—	—	Leningrad, Russia U.S.S.R.
7.360	40.76	15/120	RWG	Moscow, Russia U.S.S.R.
7.365	40.74	15/120	—	Moscow, Russia U.S.S.R.
7.370	40.71	—	—	Peking China
7.370	40.71	15/120	—	Moscow, Russia U.S.S.R.
7.375	40.68	15/120	—	Moscow, Russia U.S.S.R.
7.385	40.63	15/120	—	Moscow, Russia U.S.S.R.
7.390	40.60	15/120	—	Moscow, Russia U.S.S.R.
7.400	40.54	15/120	—	Moscow, Russia U.S.S.R.
7.408	40.49	1	—	Hanoi Indo-China
7.420	40.43	1	—	Athens Greece
7.440	40.32	15/120	—	Moscow, Russia U.S.S.R.
7.501	40.00	100	—	Allouis France
7.502	39.99	—	—	Peking China
7.526	39.92	—	—	Peking China
7.625	39.35	100	—	Allouis France
7.650	39.22	100	—	Allouis France
7.650	39.22	—	—	Murmansk, Russia U.S.S.R.
7.660	39.16	1	CE766	Santiago Chile
7.670	39.11	5	—	Sofia Bulgaria
7.770	38.61	—	—	Peking China
7.848	38.23	3	ZAA	Tirana Albania
7.936	37.81	5	HLKB	Pusan Korea
7.950	37.74	1	—	Ahwaz Persia
8.003	37.47	2	FXE	Beirut Lebanon
* 8.215	36.52	3	—	Scutari Albania
8.948	33.58	5/20	—	Tangier Tangier
X 9.007	33.31	50	4XB31	Tel Aviv Israel
<del>9.025</del>	<del>33.24</del>	<del>7</del>	<del>COBZ</del>	<del>Havana Cuba</del>
9.065	33.10	—	—	Peking China
9.135	32.84	—	—	Peking China
9.145	32.76	5/120	—	Moscow, Russia U.S.S.R.
9.170	32.72	—	—	Peking China
<del>9.199</del>	<del>32.61</del>	<del>5</del>	<del>CE920</del>	<del>Havana Cuba</del>
9.215	32.55	7.5	OTH	Leopoldville Belgian Congo
9.250	32.43	15	—	Alma Ata, Kazak U.S.S.R.
X 9.255	32.41	5	—	Bucharest Rumania
<del>9.270</del>	<del>32.29</del>	<del>5</del>	<del>—</del>	<del>Yaounde Cameroun</del>
9.332	32.14	5/20	—	Tangier Tangier
<del>9.330</del>	<del>32.13</del>	<del>7</del>	<del>OAXAJ</del>	<del>Lima Peru</del>
9.340	32.12	—	—	Peking China
X 9.360	32.05	40	—	Madrid Spain X
<del>9.362</del>	<del>32.04</del>	<del>7</del>	<del>COBS</del>	<del>Havana Cuba</del>
9.380	31.98	50	OTM2	Leopoldville Belgian Congo
9.380	31.98	50	—	Komsomolsk, Russia U.S.S.R.
9.390	31.95	—	—	Peking China
X 9.410	31.88	50/100	GRI	Overseas Service* Great Britain
<del>9.420</del>	<del>31.85</del>	<del>7</del>	<del>OAX4W</del>	<del>Lima Peru</del>

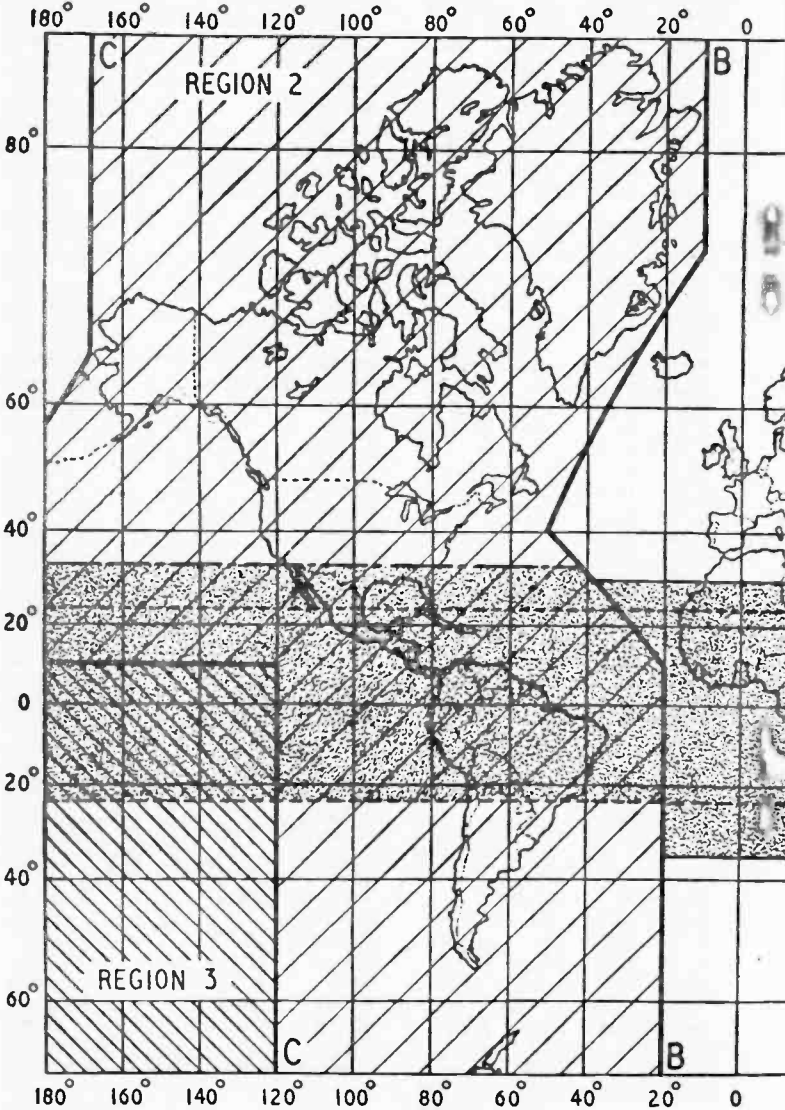
9.435	31.79	.	.	Tangier (V.o.A.)	Tangier.
Mc/s	Metres	kW	Call	Station and Country	
9.421	31.84	5/20	—	Tangier	Tangier
<del>9.421</del>	<del>31.79</del>	<del>5</del>	<del>CP38</del>	<del>La Paz</del>	<del>Bolivia</del>
9.450	31.75	15/120	—	Moscow, Russia	U.S.S.R.
9.459	31.71	—	—	Peking	China
<del>9.464</del>	<del>31.70</del>	<del>100</del>	<del>—</del>	<del>Hanoi</del>	<del>Indo-China</del>
9.464	31.70	100	TAP	Ankara	Turkey
9.470	31.68	15/120	—	Moscow, Russia	U.S.S.R.
9.475	31.66	50	—	Cairo	Egypt
<del>9.480</del>	<del>31.65</del>	<del>15</del>	<del>AVO</del>	<del>Patras, Greece</del>	<del>Greece</del>
9.480	31.65	15/120	—	Moscow, Russia	U.S.S.R.
9.484	31.63	50	APK	Karachi	Pakistan
9.490	31.61	15/120	—	Moscow, Russia	U.S.S.R.
9.492	31.60	2.5/10	WTAN	Tangier	Tangier
<del>9.498</del>	<del>31.58</del>	<del>100</del>	<del>—</del>	<del>Moscow, Russia</del>	<del>U.S.S.R.</del>
9.500	31.58	100	VLA9	Shepparton, Vic.	Australia
<del>9.500</del>	<del>31.58</del>	<del>100</del>	<del>XEWV</del>	<del>Mexico City</del>	<del>Mexico</del>
9.500	31.58	35/100	—	Tangier (V.o.A.)	Tangier
9.500	31.58	50	—	Petropavlovsk, Russia	U.S.S.R.
<del>9.502</del>	<del>31.58</del>	<del>—</del>	<del>—</del>	<del>Bengala</del>	<del>Angola</del>
9.502	31.58	—	HOLA	Bohon	Paraguay
X9.504	31.57	30	OLR3B	Podebrady	Czechoslovakia
9.505	31.57	4	OE132	Vienna	Austria
<del>9.507</del>	<del>31.57</del>	<del>5</del>	<del>PRB2</del>	<del>Sao Paulo</del>	<del>Brazil</del>
<del>9.508</del>	<del>31.57</del>	<del>3</del>	<del>ZEA</del>	<del>Sakibura</del>	<del>Sumatra, Indonesia</del>
9.505	31.57	35/100	—	Tangier (V.o.A.)	Tangier
9.505	31.57	10	YUC	Belgrade	Yugoslavia
9.510	31.55	—	—	Peking	China
9.510	31.55	50/100	GSB	Overseas Service*	Great Britain
9.510	31.55	35/100	—	Tangier (V.o.A.)	Tangier
9.510	31.55	15/120	—	Moscow, Russia	U.S.S.R.
<del>9.510</del>	<del>31.55</del>	<del>—</del>	<del>—</del>	<del>Barquisimeto</del>	<del>Venezuela</del>
<del>9.511</del>	<del>31.53</del>	<del>—</del>	<del>—</del>	<del>Paraguay</del>	<del>Paraguay</del>
X9.515	31.53	30	—	Podebrady	Czechoslovakia
X9.515	31.53	—	—	Caltanissetta	Italy
X9.515	31.53	100	TAT	Ankara	Turkey X
9.515	31.53	50/200	KNBH	Dixon, Cal.	U.S.A.
<del>9.520</del>	<del>31.51</del>	<del>100</del>	<del>OBER</del>	<del>Victoria, Canada</del>	<del>Canada</del>
9.520	31.51	100	—	Colombo	Ceylon
9.520	31.51	50	OZF5	Copenhagen	Denmark X
9.520	31.51	5/100	VUD	Delhi	India
<del>9.520</del>	<del>31.51</del>	<del>100</del>	<del>ZL18</del>	<del>Wellington</del>	<del>New Zealand</del>
9.520	31.51	100	HEU2	Schwarzenburg	Switzerland
9.520	31.51	15/120	—	Moscow, Russia	U.S.S.R.
9.523	31.50	20	—	Paradys	South Africa
9.525	31.50	50/100	GWJ	Overseas Service*	Great Britain
<del>9.525</del>	<del>31.50</del>	<del>—</del>	<del>OXN</del>	<del>Godthaab</del>	<del>Greenland</del>
9.525	31.50	50/100	JOB20	Tokio	Japan
9.525	31.50	7.5/100	—	Warsaw	Poland
<del>9.528</del>	<del>31.49</del>	<del>2.5</del>	<del>ZBWS</del>	<del>Victoria</del>	<del>Hong Kong</del>
9.530	31.48	35	—	Salonika (V.o.A.)	Greece
<del>9.530</del>	<del>31.48</del>	<del>10</del>	<del>—</del>	<del>Calcutta</del>	<del>India</del>
9.530	31.48	80	WRUL5	Boston, Mass.	U.S.A.
9.530	31.48	50	WBOU	Bound Brook, N.J.	U.S.A.
9.530	31.48	50	WDSI	Brentwood, N.Y.	U.S.A.
9.530	31.48	25/100	WGEO	Schenectady, N.Y.	U.S.A.



Mc/s	Metres	kW	Call	Station and Country
9.530	31.48	1	XVMS	Macariba Venezuela
9.531	31.48	2	COCO	Matana Cuba
9.535	31.46	100	—	Horby Sweden
X9.535	31.46	100	HER4	Schwarzenburg Switzerland
9.535	31.46	15/120	—	Moscow, Russia U.S.S.R.
9.538	31.45	10	—	Warsaw Poland
9.539	31.45	7.5/100	—	Allouis France
9.540	31.45	100	—	Wahington New Zealand
9.540	31.45	10	LLD	Tromso Norway
9.543	31.43	25	ZLBA	Cyryba Brazil
9.545	31.43	8/100	—	Munich (V.o.A.) Germany (West)
9.545	31.43	75/200	WLWO	Cincinnati, Ohio U.S.A.
9.550	31.41	30	OLR3A	Podebrady Czechoslovakia
9.550	31.41	100	—	Allouis France
9.550	31.41	50/100	GWB	Overseas Service* Great Britain
9.550	31.41	10	VUR	Bogor India
9.550	31.41	10	LLD	Tromso Norway
9.550	31.41	1	—	Manila, Luzon Philippines
9.550	31.41	50	WBOU	Bound Brook, N.J. U.S.A.
9.553	31.41	2	XSS	Surabaya Indonesia
9.554	31.40	2	XDO2	Manila, Luzon Indonesia
9.555	31.40	10	ERS	La Paz Bolivia
9.555	31.40	15	OIX2	Pori Finland
9.555	31.40	7.5	—	Tel Aviv Israel
9.555	31.40	7.5/100	—	Warsaw Poland
9.555	31.40	20	—	Damascus Syria
9.555	31.40	15/120	—	Moscow, Russia U.S.S.R.
9.560	31.38	—	—	Peking China
9.560	31.38	100	—	Allouis France
9.560	31.38	50/100	—	Overseas Service* Great Britain
9.560	31.38	75/200	WLWO	Cincinnati, Ohio U.S.A.
9.564	31.37	10	OAX4F	Lima Peru
9.565	31.36	60	ZYK3	Recife Brazil
9.570	31.35	50/100	GWX	Overseas Service* Great Britain
9.570	31.35	7.5/100	—	Warsaw Poland
X9.570	31.35	5	—	Bucharest Rumania
9.570	31.35	35/100	—	Tangier (V.o.A.) Tangier
9.570	31.35	50/200	KCBR	Delano, Cal. U.S.A.
9.575	31.33	50	—	Rio de Janeiro Brazil
9.575	31.33	25	—	Panaji Portugal
X9.575	31.33	60	—	Rome Italy
9.580	31.32	100	VLA9	Shepparton, Vic. Australia
X9.580	31.32	30	OLR3F	Podebrady Czechoslovakia
9.580	31.32	50/100	GSC	Overseas Service* Great Britain
9.580	31.32	15/120	—	Moscow, Russia U.S.S.R.
9.585	31.30	50	—	Sao Paulo Brazil
9.585	31.30	50	CKLP	Sackville, N.B. Canada
9.585	31.30	100	—	Allouis France
9.585	31.30	5/100	VUD	Delhi India
9.585	31.30	15/120	—	Moscow, Russia U.S.S.R.
9.590	31.28	10	XVMA	Moscow India
9.590	31.28	30	PCJ	Huizen Netherlands
9.590	31.28	7.5/50	—	Manila, Luzon (V.o.A.) Philippines
9.590	31.28	50/200	KNBH	Dixon, Cal. U.S.A.
X9.590	31.26	30	OLR3A	Podebrady Czechoslovakia

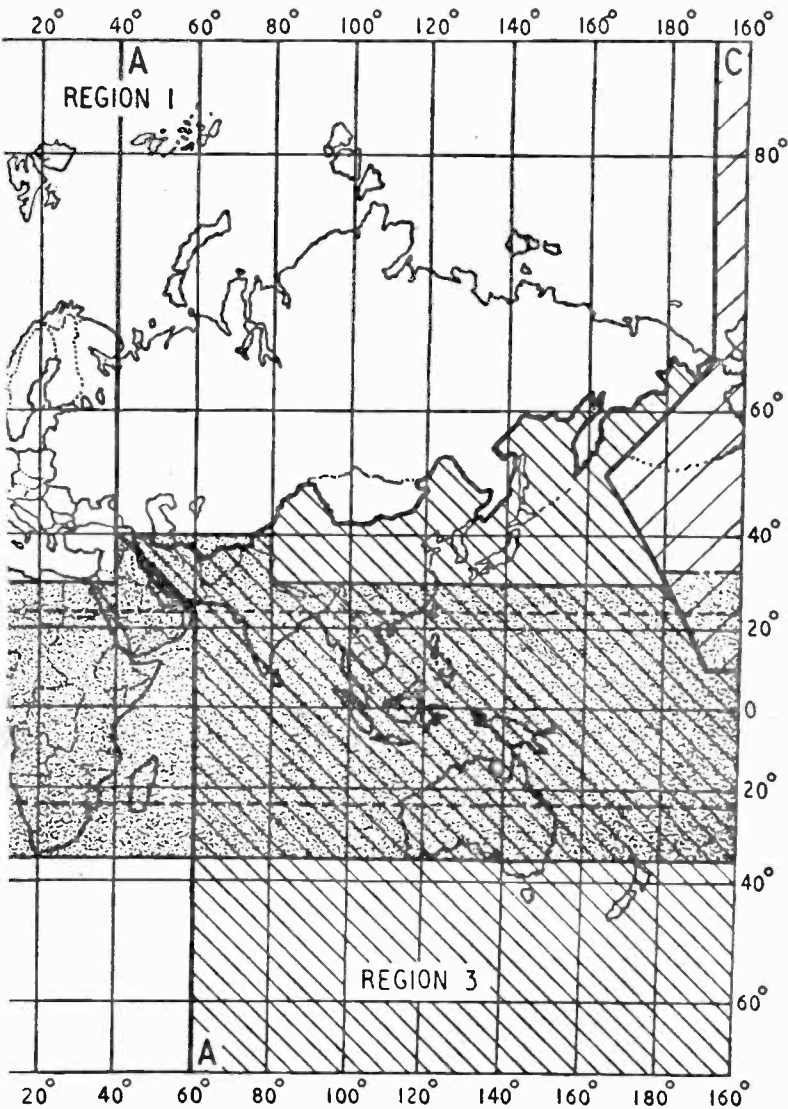
## BROADCASTING REG

The three regions into which the world is divided for the purpose of fr  
Area is in Region 1 and lies between lines A and B down to the parallel 3  
short-wave bands (see page 61) are allocated for "domestic" broadcasting



# IONS OF THE WORLD

frequency allocations are shown on this map. The European Broadcasting 0°N. The shaded area is the tropical zone in which frequencies in certain 3.



Mc/s	Metres	kW	Call	Station and Country	
9.593	31.27	20	ZYX22	Salvador	Brazil
X9.595	31.26	40	—	Kiev, Ukraine	U.S.S.R.
9.597	31.26	25	CE90A	Santiago	Chile
9.600	31.25	50/100	GRY	Overseas Service*	Great Britain
9.600	31.25	5/100	VUD	Delhi	India
9.600	31.25	7.5/100	—	Warsaw	Poland
9.600	31.25	20	—	Paradys	South Africa
9.600	31.25	35/100	—	Tangier (V.o.A.)	Tangier
9.600	31.25	50/200	KCBR	Delano, Cal.	U.S.A.
9.602	31.24	2	VUBH	Cap Natron	Tanzania
9.605	31.23	5/100	VUD	Delhi	India
9.606	31.23	7.5	—	Athens	Greece
9.610	31.22	10	VLX9	Berth, W.A.	Australia
9.610	31.22	25	ZYC8	Rio de Janeiro	Brazil
9.610	31.22	50	CHLS	Sackville, N.B.	Canada
9.610	31.22	10	CRSAD	Goa	Goa
9.610	31.22	5	KERQ	Mexico City	Mexico
X9.610	31.22	100 10	LLG	Fredrikstad	Norway
9.610	31.22	100	—	Madrid	Spain
9.610	31.22	15/120	—	Moscow, Russia	U.S.S.R.
9.615	31.20	100	VLB9	Shepparton, Vic.	Australia
9.615	31.20	4	OEI33	Vienna	Austria
9.615	31.20	5	ZOX	Asosa	Ghana
9.615	31.20	5/100	VUD	Delhi	India
9.615	31.20	7.5	—	Singapore	Malaya
9.615	31.20	7.5	APD	Praeta	Pakistan
X9.615	31.20	35/100	—	Tangier (V.o.A.)	Tangier
9.616	31.20	7.5/100	—	Warsaw	Poland
9.619	31.19	3	TNDOR	Santose	Costa Rica
9.620	31.19	—	—	Peking	China
9.620	31.19	1	EOXK	Camaguey	Cuba
9.620	31.19	7.5	ZVR98A	Sao Paulo	Brazil
9.620	31.19	100	—	Allouis	France
9.620	31.19	8/100	—	Munich (V.o.A.)	Germany (West)
9.620	31.19	12	—	Saigon	Indo-China
9.620	31.19	9.5	ZL8	Wellington	New Zealand
X9.620	31.19	100	—	Horby	Sweden
9.620	31.19	35/100	—	Tangier (V.o.A.)	Tangier
9.625	31.17	50	CKLO	Sackville, N.B.	Canada
9.625	31.17	9	FZA	Brazzaville	French Equ Africa
9.625	31.17	50/100	GWO	Overseas Service*	Great Britain
9.625	31.17	7.5/100	—	Tebrau	Malaya
9.625	31.17	10	XEBT	Mexico City	Mexico
9.625	31.17	15/120	—	Moscow, Russia	U.S.S.R.
9.630	31.15	5/100	VUD	Delhi	India
X9.630	31.15	100	—	Rome	Italy
9.630	31.15	50	—	Komsomolsk, Russia	U.S.S.R.
9.632	31.14	1	CRRL	Luanda	Angola
9.633	31.14	100	CSA	Lisbon	Portugal
9.635	31.14	7.5	ZYR	Amancida	Brazil
9.635	31.14	5/100	VUD	Delhi	India
9.635	31.14	35	—	Okinawa (V.o.A.)	Okinawa Island
9.635	31.14	35/100	—	Tangier (V.o.A.)	Tangier
X9.640	31.12	100	DMQ9	Norden	Germany (West)

Mc/s	Metres	kW	Call	Station and Country	
9.640	31.12	50/100	GVZ	Overseas Service*	Great Britain
9.640	31.12	100	HLKA	Seoul	Korea
<del>9.640</del>	<del>31.12</del>	<del>1</del>	<del>DZM2</del>	<del>Manila, Luzon</del>	<del>Philippines</del>
9.640	31.12	40	—	Kiev, Ukraine	U.S.S.R.
<del>9.640</del>	<del>31.12</del>	<del>100</del>	<del>YVSC</del>	<del>Caracas</del>	<del>Venezuela</del>
<del>9.640</del>	<del>31.12</del>	<del>25</del>	<del>RTA</del>	<del>Aden/Ababa</del>	<del>Ethiopia</del>
9.645	31.10	4	OEI34	Vienna	Austria
<del>9.645</del>	<del>31.10</del>	<del>2</del>	<del>TPPC</del>	<del>Santiago</del>	<del>Costa Rica</del>
9.645	31.10	50	APK	Karachi	Pakistan
9.645	31.10	25	HVJ	Vatican City	Vatican City
9.646	31.10	40/100	—	Cairo	Egypt
<del>9.646</del>	<del>31.10</del>	<del>3</del>	<del>4VRF</del>	<del>Cap-Haitien</del>	<del>Haiti</del>
9.650	31.09	7.5	ZJM8	Limassol	Cyprus
9.650	31.09	100	KRHK	Honolulu	Hawaii
<del>9.650</del>	<del>31.09</del>	<del>2</del>	<del>MA</del>	<del>Jeddah</del>	<del>Saudi Arabia</del>
9.650	31.09	50	WDSI	Brentwood, N.Y.	U.S.A.
9.650	31.09	15/120	—	Moscow, Russia	U.S.S.R.
9.652	31.08	20	ELWA	Monrovia	Liberia
9.655	31.07	50	OTC2	Leopoldville	Belgian Congo
<del>9.655</del>	<del>31.07</del>	<del>2</del>	<del>4VSH</del>	<del>Cap-Haitien</del>	<del>Haiti</del>
<del>9.655</del>	<del>31.07</del>	<del>2</del>	<del>JKR</del>	<del>Tokio</del>	<del>Japan</del>
<del>9.655</del>	<del>31.07</del>	<del>7.5</del>	<del>MA</del>	<del>Lagos</del>	<del>Nigeria</del>
9.660	31.06	25	LRX	Buenos Aires	Argentina
<del>9.660</del>	<del>31.06</del>	<del>10</del>	<del>VLOA</del>	<del>Brisbane, Qld.</del>	<del>Australia</del>
9.660	31.06	50/100	GWP	Overseas Service*	Great Britain
<del>9.660</del>	<del>31.06</del>	<del>1</del>	<del>MA</del>	<del>Srinagar, Kashmir</del>	<del>India</del>
9.660	31.06	50	—	Komsomolsk, Russia	U.S.S.R.
9.660	31.06	5/100	HVJ	Vatican City	Vatican City
9.665	31.04	5	OEI23	Vienna	Austria
<del>9.665</del>	<del>31.04</del>	<del>100</del>	<del>HEU3</del>	<del>Schwarzenburg</del>	<del>Switzerland</del>
9.665	31.04	40	—	Kiev, Ukraine	U.S.S.R.
9.667	31.03	5/20	—	Tangier	Tangier
<del>9.668</del>	<del>31.03</del>	<del>1</del>	<del>FGNA</del>	<del>Guatemala City</del>	<del>Guatemala</del>
9.669	31.02	50	—	Komsomolsk, Russia	U.S.S.R.
9.670	31.02	4	<del>EOCQ</del>	<del>Havana</del>	<del>Cuba</del>
9.670	31.02	30	OLR	Podebrady	Czechoslovakia
9.670	31.02	8/100	—	Munich (V.o.A.)	Germany (West)
9.670	31.02	7.5/50	—	Manila, Luzon (V.o.A.)	Philippines
9.670	31.02	50	WDSI	Brentwood, N.Y.	U.S.A.
<del>9.675</del>	<del>31.01</del>	<del>7.5</del>	<del>PRC20</del>	<del>Porto Alegre</del>	<del>Brazil</del>
9.675	31.01	100	—	Allouis	France
9.675	31.01	50/100	GWT	Overseas Service*	Great Britain
9.675	31.01	50/100	JOB3	Tokio	Japan
9.675	31.01	15	ZQP	Lusaka	Northern Rhodesia
9.675	31.01	100	—	Madrid	Spain
9.675	31.01	15/120	—	Moscow, Russia	U.S.S.R.
<del>9.680</del>	<del>30.99</del>	<del>10</del>	<del>WLRZ</del>	<del>Lynchburg, Va.</del>	<del>Australia</del>
9.680	30.99	7.5	—	Tel Aviv	Israel
<del>9.680</del>	<del>30.99</del>	<del>1</del>	<del>XEQQ</del>	<del>Mexico City</del>	<del>Mexico</del>
<del>9.680</del>	<del>30.99</del>	<del>1</del>	<del>EQC</del>	<del>Tehran</del>	<del>Persia</del>
9.680	30.99	100	CSA	Lisbon	Portugal
9.680	30.99	20	—	Paradys	South Africa
9.680	30.99	50/200	—	Madrid	Spain
<del>9.680</del>	<del>30.99</del>	<del>15/120</del>	<del>—</del>	<del>Moscow, Russia</del>	<del>U.S.S.R.</del>
9.682	30.99	—	—	Peking	China

9.700	30.93			Tirane	Albania.
9.710	30.90	50	CHLR	Sackville N.B.	Canada.
Mc/s	Metres	kW	Call	Station and Country	
9.685	30.98	50	—	Sao Paulo	Brazil
9.685	30.98	35	—	Salonika	Greece
9.685	30.98	35/100	—	Tangier (V.o.A.)	Tangier
9.685	30.98	40	—	Kiev, Ukraine	U.S.S.R.
<del>9.690</del>	<del>30.96</del>	<del>10</del>	<del>DRX</del>	<del>Buenos Aires</del>	<del>Argentina</del>
9.690	30.96	50/100	GRX	Overseas Service*	Great Britain
9.690	30.96	7.5/100	—	Tebrau	Malaya
9.690	30.96	15/120	—	Moscow, Russia	U.S.S.R.
9.695	30.94	100	—	Madrid	Spain
X 9.700	30.93	5	—	Sofia	Bulgaria
9.700	30.93	50/100	GWY	Overseas Service*	Great Britain
9.700	30.93	50/200	KCBR	Delano, Cal.	U.S.A.
X 9.700	30.93	15/120	—	Moscow, Russia	U.S.S.R.
9.704	30.92	—	—	Peking	China
<del>9.704</del>	<del>30.92</del>	<del>10</del>	<del>FZFO</del>	<del>Fort de France</del>	<del>Martinique</del>
<del>9.705</del>	<del>30.92</del>	<del>1</del>	<del>GRORP</del>	<del>Nova Lisboa</del>	<del>Angola</del>
9.705	30.92	100	ORU3	Wavre - Overysel	Belgium
<del>9.705</del>	<del>30.92</del>	<del>10</del>	<del>ZVZ24</del>	<del>Rio de Janeiro</del>	<del>Brazil</del>
<del>9.705</del>	<del>30.92</del>	<del>1</del>	<del>~</del>	<del>Sana'a</del>	<del>Yemen</del>
9.710	30.90	50/100	—	Overseas Service*	Great Britain
9.710	30.90	50/100	YDF6	Djakarta, Java	Indonesia
X 9.710	30.90	100	—	Rome	Italy
9.715	30.88	5/100	VUD	Delhi	India
9.715	30.88	40	—	Lopik	Netherlands
9.720	30.86	50	PRL7	Rio de Janeiro	Brazil
9.720	30.86	5/100	VUD	Delhi	India
9.720	30.86	20	—	Paradys	South Africa
9.720	30.86	15/120	—	Moscow, Russia	U.S.S.R.
9.725	30.85	50/100	—	Overseas Service*	Great Britain
9.725	30.85	7.5/100	—	Tebrau	Malaya
9.725	30.85	75/200	WLWO	Cincinnati, Ohio	U.S.A.
9.728	30.84	12	—	Leipzig	Germany (East)
<del>9.730</del>	<del>30.83</del>	<del>1</del>	<del>FZT</del>	<del>Brazzaville</del>	<del>French Eq. Africa</del>
<del>9.730</del>	<del>30.83</del>	<del>1</del>	<del>DZPY</del>	<del>Manila, Luzon</del>	<del>Philippines</del>
9.730	30.83	40	—	Kiev, Ukraine	U.S.S.R.
<del>9.730</del>	<del>30.82</del>	<del>15</del>	<del>HVAT</del>	<del>Cuba, Trinidad</del>	<del>Dominican Rep.</del>
9.735	30.82	100	DNQ9	Norden	Germany (West)
9.735	30.82	50/100	GWY	Overseas Service*	Great Britain
<del>9.737</del>	<del>30.81</del>	<del>1</del>	<del>CE970</del>	<del>Santiago</del>	<del>Chile</del>
<del>9.737</del>	<del>30.81</del>	<del>1</del>	<del>ZPA4</del>	<del>Asuncion</del>	<del>Paraguay</del>
9.739	30.80	50	APK	Karachi	Pakistan
<del>9.740</del>	<del>30.80</del>	<del>10</del>	<del>ER82</del>	<del>Buenos Aires</del>	<del>Argentina</del>
<del>9.740</del>	<del>30.80</del>	<del>15</del>	<del>COK9</del>	<del>Santiago</del>	<del>Cuba</del>
9.740	30.80	35/100	—	Tangier (V.o.A.)	Tangier
9.740	30.80	15/120	—	Moscow, Russia	U.S.S.R.
X 9.744	30.79	1	HCBJ	Quito	Ecuador
<del>9.745</del>	<del>30.79</del>	<del>15</del>	<del>ZVRA</del>	<del>Sao Paulo</del>	<del>Brazil</del>
X 9.745	30.79	5	—	Huizen	Netherlands
X 9.745	30.79	15/120	—	Moscow, Russia	U.S.S.R.
9.746	30.79	100	ORU5	Wavre - Overysel	Belgium
9.750	30.77	50/100	—	Overseas Service*	Great Britain
<del>9.750</del>	<del>30.77</del>	<del>1</del>	<del>DZNA</del>	<del>Manila, Luzon</del>	<del>Philippines</del>
9.750	30.77	50	—	Komsomolsk, Russia	U.S.S.R.
9.750	30.77	15/120	—	Moscow, Russia	U.S.S.R.
9.753	30.76	140	—	Cairo	Egypt

Mc/s	Metres	kW	Call	Station and Country	
9.755	30.75	7.5	ZXW23	Guiana	Brazil
9.755	30.75	100	—	Allouis	France
9.760	30.74	50	LRV	Buenos Aires	Argentina
9.760	30.74	—	—	Peking	China
9.760	30.74	50/100	MCR	Overseas Service*	Great Britain
9.760	30.74	35/100	—	Tangier (V.o.A.)	Tangier
X9.760	30.74	15/120	—	Moscow, Russia	U.S.S.R.
9.762	30.73	40/100	—	Cairo	Egypt
9.765	30.72	100	—	Allouis	France
9.765	30.72	5/100	VUD	Delhi	India
9.766	30.72	10	FGWA	Guatemala City	Guatemala
9.767	30.72	100	ORU	Wavre	Belgium
9.770	30.71	—	PRY	Rio de Janeiro	Brazil
9.770	30.71	40/100	—	Cairo	Egypt
9.770	30.71	50/100	MCN	Overseas Service*	Great Britain
9.773	30.70	—	—	Peking	China
9.775	30.69	—	BFC3A	Taipei	Formosa
9.775	30.69	50/100	CSA	Lisbon	Portugal
9.775	30.69	15/120	—	Moscow, Russia	U.S.S.R.
9.780	30.67	—	ZXK3	Recife	Brazil
9.780	30.67	60	—	Rome	Italy
9.785	30.66	5/20	—	Tangier	Tangier
9.790	30.64	—	—	Leningrad, Russia	U.S.S.R.
9.792	30.63	100	—	Allouis	France
9.810	30.58	15/120	—	Moscow, Russia	U.S.S.R.
9.825	30.53	—	—	Peking	China
9.825	30.53	50/100	GRH	Overseas Service*	Great Britain
9.829	30.52	—	—	Jidda	Saudi Arabia
X9.832	30.51	100	—	Budapest	Hungary
9.834	30.51	—	COBE	Havana	Cuba
9.840	30.49	—	—	Baku, Azerbaijan	U.S.S.R.
9.850	30.46	5/100	VUD	Delhi	India
9.850	30.46	15/120	—	Moscow, Russia	U.S.S.R.
X9.866	30.42	100	YDF6	Diakarta, Java	Indonesia X
9.900	30.27	5/20	—	Tangier	Tangier
9.915	30.26	50/100	GRU	Overseas Service*	Great Britain
9.921	30.26	—	—	Jidda	Saudi Arabia
9.965	30.11	—	FZV	Brazzaville	French Eq. Africa
9.970	30.08	—	—	Peking	China
9.973	30.08	25	—	Kabul	Afghanistan
10.005	29.89	—	—	Jidda	Saudi Arabia
10.070	29.79	—	—	Peking	China
10.260	29.24	—	—	Peking	China
10.500	28.49	—	—	Alma Ata, Kazak	U.S.S.R.
11.100	27.03	—	—	Peking	China
11.203	26.78	—	—	Peking	China
11.342	26.40	5/20	—	Tangier	Tangier
11.420	26.27	—	—	Peking	China
11.454	26.19	50	FZI	Brazzaville	French Eq. Africa
11.512	26.06	20	—	Tangier	Tangier
11.515	26.05	—	—	Peking	China
11.575	25.92	15/120	—	Moscow, Russia	U.S.S.R.
11.590	25.88	—	—	Peking	China
11.600	25.86	—	—	Peking	China
11.625	25.81	40/100	—	Cairo	Egypt

Mc/s	Metres	kW	Call	Station and Country	
11.630	25.80	15/120	—	Moscow, Russia	U.S.S.R.
11.659	25.73	—	—	Peking	China
11.664	25.73	20	—	Damascus	Syria
11.670	25.71	50	—	Leopoldville	Belgian Congo
11.671	25.71	50	HSK9	Bangkok	Siam
11.674	25.70	50	—	Karachi	Pakistan
11.675	25.70	30	OLR	Podebrady	Czechoslovakia
11.680	25.68	50/100	GRG	Overseas Service*	Great Britain
11.685	25.67	25	HVJ	Vatican City	Vatican City
11.690	25.66	15/120	—	Moscow, Russia	U.S.S.R.
11.692	25.65	50	—	Komsomolsk, Russia	U.S.S.R.
11.693	25.65	100	—	Allouis	France
11.698	25.64	40/100	—	Cairo	Egypt
<del>11.700</del>	<del>25.64</del>	<del>16</del>	<del>ZVK82</del>	<del>Rabat</del>	<del>Brazil</del>
11.700	25.64	100	—	Allouis	France
11.700	25.64	50/100	GVW	Overseas Service*	Great Britain
11.700	25.64	16	HNG	Baghdad	Iraq
11.700	25.64	7.5/100	—	Tebrau	Malaya
11.700	25.64	40	—	Kiev, Ukraine	U.S.S.R.
11.705	25.63	50	CKXA	Sackville, N.B.	Canada
11.705	25.63	30	OLR	Podebrady	Czechoslovakia
11.705	25.63	50/100	JOA4	Tokio	Japan
11.705	25.63	100	—	Horby	Sweden
11.705	25.63	15/120	—	Moscow, Russia	U.S.S.R.
X 11.710	25.62	100	VLB11	Shepparton, Vic.	Australia X
X 11.710	25.62	5/100	VUD	Delhi	India X
11.710	25.62	50	WBOU	Bound Brook, N.J.	U.S.A.
11.710	25.62	50/200	KCBR	Kelano, Cal.	U.S.A.
11.710	25.62	50/200	KNBH	Dixon, Cal.	U.S.A.
11.710	25.62	15/120	—	Moscow, Russia	U.S.S.R.
11.715	25.61	100	HEI5	Schwarzenburg	Switzerland
11.715	25.61	15/120	—	Moscow, Russia	U.S.S.R.
11.718	25.60	7.5	—	Athens	Greece
11.719	25.60	5/20	—	Tangier	Tangier
<del>11.720</del>	<del>25.60</del>	<del>7.5</del>	<del>OTKM</del>	<del>Leopoldville</del>	<del>Belgian Congo</del>
11.720	25.60	100/20	ORU5	Wavre-Overyse.	Belgium
11.720	25.60	50	PRL8	Rio de Janeiro	Brazil
11.720	25.60	50	CHOL	Sackville, N.B.	Canada
11.720	25.60	7.5	CBFL	Vercheres, Quebec	Canada
11.720	25.60	2	CKRX	Winnipeg, Manitoba	Canada
11.720	25.60	7.5	ZJM7	Limassol	Cyprus
11.720	25.60	40/100	—	Cairo	Egypt
11.720	25.60	50/100	CSA	Lisbon	Portugal
11.720	25.60	15/120	—	Moscow, Russia	U.S.S.R.
11.721	25.60	100	—	Allouis	France
11.721	25.60	50	APK	Karachi	Pakistan
11.725	25.59	7.5/100	—	Tebrau	Malaya
X 11.726	25.59	30	OLR	Podebrady	Czechoslovakia X
11.730	25.58	100	—	Allouis	France
11.730	25.58	50/100	GVV	Overseas Service*	Great Britain
11.730	25.58	5	PHI	Lopik	Netherlands
11.730	25.58	8/100	—	Manila, Luzon (V.o.A.)	Philippines
11.730	25.58	20/80	WRUL	Boston, Mass.	U.S.A.
11.730	25.58	15/120	—	Moscow, Russia	U.S.S.R.
<del>11.735</del>	<del>25.56</del>	<del>2</del>	<del>ZVSA</del>	<del>Rio de Janeiro</del>	<del>Brazil</del>



Mc/s	Metres	kW	Call	Station and Country
11.735	25.56	8	LKQ	Fredrikstad Norway X
11.735	25.56	15/120	—	Moscow, Russia U.S.S.R.
11.740	25.55	100	VLA11	Shepparton, Vic. Australia
11.740	25.55	40	—	Kiev, Ukraine U.S.S.R.
11.740	25.55	25	HVJ3	Vatican City Vatican City
11.742	25.55	7.5/100	—	Warsaw Poland
11.743	25.54	4	CE1174	Santiago Chile
11.745	25.54	5/100	VUD	Delhi India
11.750	25.53	1	COCW	Havana Cuba
11.750	25.53	50/100	GSD	Overseas Service* Great Britain
11.750	25.53	50	APK	Karachi Pakistan
11.750	25.53	4	—	Jidda Saudi Arabia
11.750	25.53	20	—	Paradys South Africa
11.750	25.53	20	—	Damascus Syria
11.750	25.53	15/120	—	Moscow, Russia U.S.S.R.
11.755	25.52	25	—	Komsomolsk, Russia U.S.S.R.
11.755	25.52	15/120	—	Moscow, Russia U.S.S.R.
11.760	25.51	100	VLB11	Shepparton, Vic. Australia
11.760	25.51	50	CKRA	Sackville, N.B. Canada
11.760	25.51	35	—	Salonika (V.o.A.) Greece
11.760	25.51	7.5	—	Lourenco Marques Mozambique
11.760	25.51	35/100	—	Tangier (V.o.A.) Tangier
11.765	25.50	25	ZYB8	Sao Paulo Brazil
11.765	25.50	8/100	—	Manila, Luzon (V.o.A.) Philippines
11.770	25.49	100	VLB11	Shepparton, Vic. Australia
11.770	25.49	35	—	Colombo Ceylon
11.770	25.49	50/100	GVU	Overseas Service* Great Britain
11.770	25.49	100	YDF2	Djakarta, Java Indonesia
11.770	25.49	15/120	—	Moscow, Russia U.S.S.R.
11.775	25.48	4	OEI35	Vienna Austria
11.775	25.48	50	—	Rio de Janeiro Brazil
11.775	25.48	7.5/100	—	Warsaw Poland
11.775	25.48	50/200	KNBH	Dixon, Cal. U.S.A.
11.780	25.47	50/100	—	Overseas Service* Great Britain
11.780	25.47	7.5	ZL3	Wellington New Zealand
11.780	25.47	15/120	—	Moscow, Russia U.S.S.R.
11.785	25.46	4	OEI24	Vienna Austria
11.785	25.46	35/100	—	Tangier (V.o.A.) Tangier
11.785	25.46	75/200	WLWO	Cincinnati, Ohio U.S.A.
11.785	25.46	15/120	—	Moscow, Russia U.S.S.R.
11.790	25.45	50/100	GWV	Overseas Service* Great Britain
11.790	25.45	8/100	—	Manila, Luzon (V.o.A.) Philippines
11.790	25.45	35/100	—	Tangier (V.o.A.) Tangier
11.790	25.45	50	WBOU	Bound Brook, N.J. U.S.A.
11.790	25.45	50	WDSI	Brentwood, N.Y. U.S.A.
11.790	25.45	15/120	—	Moscow, Russia U.S.S.R.
11.795	25.43	30	OLR	Podebrady Czechoslovakia
11.795	25.43	20/100	DMQ11	Juelich Germany (West)
X 11.795	25.43	100	YDF7	Diakarta, Java Indonesia X
11.795	25.43	15/120	—	Moscow, Russia U.S.S.R.
11.798	25.42	10	ELWA	Monrovia Liberia
11.800	25.42	1	COBH	Havana Cuba
11.800	25.42	50/100	GWH	Overseas Service* Great Britain
11.800	25.42	50	JK1	Tokio Japan
11.801	25.42	—	—	Peking China

Mc/s	Metres	kW	Call	Station and Country	
11.805	25.41	8/100	—	Munich (V.o.A.)	Germany (West)
11.805	25.41	5/100	VUD	Delhi	India
11.805	25.41	15/120	—	Moscow, Russia	U.S.S.R.
11.810	25.40	100	VLB11	Shepparton, Vic.	Australia
11.810	25.40	50	—	Rome	Italy
11.810	25.40	100	—	Horby	Sweden
11.810	25.40	75/200	WLWO	Cincinnati, Ohio	U.S.A.
11.810	25.40	15/120	—	Moscow, Russia	U.S.S.R.
11.814	25.39	50/200	—	Madrid	Spain
11.815	25.39	5	ZYW24	Goiana	Brazil
11.815	25.39	50	—	Komsomolsk, Russia	U.S.S.R.
11.820	25.38	50/100	GSN	Overseas Service*	Great Britain
11.820	25.38	7.5/100	—	Tebrau	Malaya
11.820	25.38	15/120	—	Moscow, Russia	U.S.S.R.
11.830	25.36	2	VLW11	Perth, W.A.	Australia
11.830	25.36	8/100	—	Munich (V.o.A.)	Germany (West)
11.830	25.36	7.5	ZL19	Wellington	New Zealand
11.830	25.36	50	WBOU	Bound Brook, N.J.	U.S.A.
11.830	25.36	50	WDSI	Brentwood, N.Y.	U.S.A.
11.830	25.36	50/200	KCBR	Delano, Cal.	U.S.A.
11.835	25.35	30	OLR	Podebrady	Czechoslovakia
11.835	25.35	35	—	Okinawa (V.o.A.)	Okinawa Island
11.835	25.35	5	CXA19	Montevideo	Uruguay
11.840	25.34	2	VLW11	Perth, W.A.	Australia
11.840	25.34	8/100	—	Munich (V.o.A.)	Germany (West)
11.840	25.34	50/100	GWQ	Overseas Service*	Great Britain
11.840	25.34	50/100	CSA	Lisbon	Portugal
11.840	25.34	20	—	Paradys	South Africa
11.845	25.33	100	—	Allouis	France
11.845	25.33	35	—	Salonika (V.o.A.)	Greece
11.845	25.33	15/120	—	Moscow, Russia	U.S.S.R.
11.846	25.32	5	—	Jidda	Saudi Arabia
11.850	25.32	10	VLG11	Lyndhurst, Vic.	Australia
11.850	25.32	100	ORU4	Wavre - Overijse	Belgium
11.850	25.32	5	TGNC	Guatemala City	Guatemala
11.850	25.32	100	KRHO	Honolulu (V.o.A.)	Hawaii
11.850	25.32	8	LLK	Fredrikstad	Norway
11.850	25.32	1.2	ZPA3	Ascuncion	Paraguay
11.850	25.32	40	—	Kiev, Ukraine	U.S.S.R.
11.850	25.32	50	—	Petropavlovsk, Russia	U.S.S.R.
11.855	25.31	10	ZYR94	Sao Paulo	Brazil
11.855	25.31	100	—	Allouis	France
11.855	25.31	75/200	WLWO	Cincinnati, Ohio	U.S.A.
11.857	25.31	10	DZH8	Manila, Luzon	Philippines
11.860	25.30	50/100	GSE	Overseas Service*	Great Britain
11.860	25.30	15/120	—	Moscow, Russia	U.S.S.R.
11.862	25.29	1	CR6RZ	Luanda	Angola
11.865	25.28	5	PRA8	Recife	Brazil
11.865	25.28	100	HER5	Schwarzenburg	Switzerland
11.865	25.28	15/120	—	Moscow, Russia	U.S.S.R.
11.870	25.27	50	WBOU	Bound Brook, N.J.	U.S.A.
11.870	25.27	50	WDSI	Brentwood, N.Y.	U.S.A.
11.870	25.27	50/200	KCBR	Delano, Cal.	U.S.A.
11.870	25.27	50/200	KNBH	Dixon, Cal.	U.S.A.
11.870	25.27	15/120	—	Moscow, Russia	U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country	
11.875	25.26	10	ZYN32	Salvador	Brazil
11.875	25.26	35	—	Colombo	Ceylon
11.875	25.26	30	OLR	Podebrady	Czechoslovakia
11.875	25.26	35/100	—	Tangier (V.o.A.)	Tangier
11.875	25.26	15/120	—	Moscow, Russia	U.S.S.R.
11.880	25.25	5	LRS	Buenos Aires	Argentina
11.880	25.25	10	VLH11	Lyndhurst, Vic.	Australia
11.880	25.25	50/100	GRE	Overseas Service*	Great Britain
11.880	25.25	35	—	Salonika (V.o.A.)	Greece
11.880	25.25	7.5/100	—	Tebrau	Malaya
11.880	25.25	1	XEHH	Mexico City	Mexico
11.880	25.25	100	—	Horby	Sweden
11.885	25.24	50	APK	Karachi	Pakistan
11.890	25.23	8/100	—	Munich (V.o.A.)	Germany (West)
11.890	25.23	50/100	GWV	Overseas Service*	Great Britain
11.890	25.23	35/100	—	Tangier (V.o.A.)	Tangier
11.890	25.23	75/200	WLWO	Cincinnati, Ohio	U.S.A.
11.890	25.23	40	—	Kiev, Ukraine	U.S.S.R.
11.890	25.23	15/120	—	Moscow, Russia	U.S.S.R.
11.895	25.22	—	—	Peking	China
11.895	25.22	5/100	VUD	Delhi	India
11.895	25.22	35	—	Salonika (V.o.A.)	Greece
11.895	25.22	12	FHE3	Dakar	Senegal
11.896	25.22	20	CXA10	Montevideo	Uruguay
11.900	25.21	100	VLB11	Shepparton, Vic.	Australia
11.900	25.21	50	CKEX	Sackville, N.B.	Canada
11.900	25.21	20	—	Paradys	South Africa
11.900	25.21	35/100	—	Tangier (V.o.A.)	Tangier
11.900	25.21	50	WBOU	Bound Brook, N.J.	U.S.A.
11.900	25.21	50	—	Komsomolsk, Russia	U.S.S.R.
11.900	25.21	15/120	—	Moscow, Russia	U.S.S.R.
11.905	25.20	5/100	VUD	Delhi	India
11.905	25.20	60	—	Rome	Italy
11.905	25.20	7.5/100	—	Warsaw	Poland
11.905	25.20	1	—	Sana'a	Yemen
11.910	25.19	50/100	MCO	Overseas Service*	Great Britain
11.910	25.19	100	—	Budapest	Hungary X
11.915	25.18	10	HCJB	Quito	Ecuador
11.915	25.18	50	APK	Karachi	Pakistan
11.915	25.18	20	—	Damascus	Syria
11.915	25.18	15/120	—	Moscow, Russia	U.S.S.R.
11.920	25.17	100	—	Allouis	France X
11.920	25.17	50/100	—	Overseas Service*	Great Britain
11.920	25.17	5/100	VUD	Delhi	India
11.920	25.17	100	CSA	Lisbon	Portugal
11.924	25.16	1	CR6RQ	Nova Lisboa	Angola
11.925	25.16	1	CSA93	Punta Delgada	Azores
11.925	25.16	10	ZYR78	Sao Paulo	Brazil
11.925	25.16	30	OLR	Podebrady	Czechoslovakia
11.925	25.16	15/120	—	Moscow, Russia	U.S.S.R.
11.926	25.15	7.5	—	Athens	Greece
11.930	25.15	50/100	GVX	Overseas Service*	Great Britain
11.930	25.15	7.5/100	—	Tebrau	Malaya
11.930	25.15	15/120	—	Moscow, Russia	U.S.S.R.
11.935	25.14	4	OEI36	Vienna	Austria

Mc/s	Metres	kW	Call	Station and Country	
11.935	25.14	10	—	Rio de Janeiro	Brazil
11.935	25.14	—	—	Peking	China
11.935	25.14	15/120	—	Moscow, Russia	U.S.S.R.
11.937	25.14	20	—	Paradys	South Africa
11.938	25.14	5	CE190	Valparaiso	Chile
11.938	25.14	5	—	Bucharest	Rumania X
11.940	25.13	35/100	—	Tangier (V.o.A.)	Tangier
11.940	25.13	15/120	—	Moscow, Russia	U.S.S.R.
11.945	25.12	50	CKNK	Sackville	Canada
11.945	25.12	100	DMQ11	Norden	Germany (West)
11.945	25.12	50/100	MCQ	Overseas Service*	Great Britain
11.945	25.12	7.5/100	—	Warsaw	Poland
11.948	25.11	5	YSAVA	Sao Salvador	Salvador
11.950	25.10	10	PRL5	Rio de Janeiro	Brazil
11.950	25.10	5/100	VUD	Delhi	India
11.950	25.10	5	—	Huizen	Netherlands
11.950	25.10	5	—	Jidda	Saudi Arabia
11.950	25.10	—	—	Kaunas, Lithuania	U.S.S.R.
11.955	25.09	50/100	GVY	Overseas Service*	Great Britain
11.955	25.09	7.5/100	—	Tebrau	Malaya
11.955	25.09	7.5/100	—	Warsaw	Poland
11.960	25.08	2.5	CE1197	Santiago	Chile
11.960	25.08	—	—	Peking	China
11.960	25.08	50/100	MCT	Overseas Service*	Great Britain
11.960	25.08	7.5/50	—	Manila, Luzon (V.o.A.)	Philippines
11.960	25.08	15/120	—	Moscow, Russia	U.S.S.R.
11.965	25.07	7.5	PRB24	Sao Paulo	Brazil
11.970	25.06	50/100	—	Overseas Service*	Great Britain
11.970	25.06	75/200	WLWO	Cincinnati, Ohio	U.S.A.
11.970	25.06	15/120	—	Moscow, Russia	U.S.S.R.
11.973	25.05	5	ZPA5	Ascuncion	Paraguay
11.975	25.05	7.5	—	Colombo	Ceylon
11.975	25.05	30	OLR	Podebrady	Czechoslovakia
11.975	25.05	15/120	—	Moscow, Russia	U.S.S.R.
11.977	25.05	7	FZI	Brazzaville	French Eq. Africa
11.978	25.04	—	—	Peking	China
11.985	25.03	10	CR7BE	Lourenco Marques	Mozambique
11.985	25.03	15/120	—	Moscow, Russia	U.S.S.R.
11.986	25.03	50/200	—	Madrid	Spain
11.995	25.01	50	—	Cairo	Egypt
11.995	25.01	50/100	CSA	Lisbon	Portugal
11.998	25.01	12	—	Hanoi	Indo-China
12.000	25.00	1	CE1180	Santiago	Chile
12.000	25.00	15/120	—	Moscow, Russia	U.S.S.R.
12.020	24.96	5/100	VUD	Delhi	India
12.020	24.96	15/120	—	Moscow, Russia	U.S.S.R.
12.029	24.94	50	—	Cairo	Egypt
12.029	24.94	100	—	Allouis	France
12.030	24.94	50/200	—	Madrid	Spain
12.040	24.92	50/100	GRV	Overseas Service*	Great Britain
12.075	24.84	15/120	—	Moscow, Russia	U.S.S.R.
12.095	24.80	50/100	GRF	Overseas Service*	Great Britain
12.174	24.65	7	TFJ	Reykjavik	Iceland
15.016	19.98	1	—	Hanoi	Indo-China
15.018	19.99	5/20	—	Tangier	Tangier

Mc/s	Metres	kW	Call	Station and Country	
15.038	19.95	1.5	V3USE	Forest Side	Mauritius
15.040	19.95	5/20	—	Tangier	Tangier
15.040	19.95	15/120	—	Moscow, Russia	U.S.S.R.
15.045	19.94	15/120	—	Moscow, Russia	U.S.S.R.
15.046	19.94	5	—	Paramaribo	Dutch Guiana
15.050	19.93	5/100	VUD	Delhi	India
15.055	19.93	15/120	—	Moscow, Russia	U.S.S.R.
15.060	19.92	—	—	Peking	China
15.065	19.91	100	CSA36	Lisbon	Portugal
15.065	19.92	15/120	—	Moscow, Russia	U.S.S.R.
15.070	19.91	50/100	GWC	Overseas Service*	Great Britain
15.070	19.91	15/120	—	Moscow, Russia	U.S.S.R.
15.077	19.90	10	CR7BG	Lourenco Marques	Mozambique
15.080	19.89	15/120	—	Moscow, Russia	U.S.S.R.
15.086	19.89	100	—	Lisbon	Portugal
15.090	19.88	50	CKLX	Sackville, N.B.	Canada
15.090	19.88	15/120	—	Moscow, Russia	U.S.S.R.
15.095	19.87	1	OBX4C	Lima	Peru
15.100	19.87	100	—	Allouis	France
15.100	19.87	14	EPB	Teheran	Persia
15.100	19.87	100	CSA	Lisbon	Portugal
15.100	19.87	15/120	—	Moscow, Russia	U.S.S.R.
15.105	19.86	—	—	Peking	China
15.105	19.86	5/100	VUD	Delhi	India
15.105	19.86	15/120	—	Moscow, Russia	U.S.S.R.
15.110	19.85	50/100	GWG	Overseas Service*	Great Britain
15.111	19.85	30	OLR	Podebrady	Czechoslovakia
15.113	19.85	1	HCBJ	Quito	Ecuador
15.115	19.85	15/120	—	Moscow, Russia	U.S.S.R.
15.117	19.84	—	—	Peking	China
15.117	19.84	50/200	—	Madrid	Spain
15.120	19.84	100	—	Colombo	Ceylon
15.120	19.84	30	OLR	Podebrady	Czechoslovakia
15.120	19.84	100	—	Rome	Italy X
15.120	19.84	7.5/100	—	Warsaw	Poland
X15.120	19.84	10	HVJ	Vatican City	Vatican City X
15.124	19.83	100	—	Allouis	France
15.125	19.83	30	OLR	Podebrady	Czechoslovakia
15.125	19.84	50	CSA	Lisbon	Portugal
15.130	19.83	5/100	VUD	Delhi	India
15.130	19.83	35/100	—	Tangier (V.o.A.)	Tangier
15.130	19.83	50/200	KCBR	Delano, Cal.	U.S.A.
15.130	19.83	15/120	—	Moscow, Russia	U.S.S.R.
15.135	19.82	7	PRB23	Sao Paulo	Brazil
15.135	19.82	50/100	JOA6	Tokio	Japan
15.135	19.82	15/120	—	Moscow, Russia	U.S.S.R.
15.140	19.82	50/100	GSF	Overseas Service*	Great Britain
15.140	19.82	50	—	Petropavlovsk, Russia	U.S.S.R.
15.145	19.81	20	ZYK33	Recife	Brazil
15.146	19.81	30	OLR	Podebrady	Czechoslovakia
15.148	19.80	1	CE1515	Santiago	Chile
15.150	19.80	50/100	YDC	Djakarta, Java	Indonesia
15.150	19.80	35/100	—	Tangier (V.o.A.)	Tangier
15.150	19.80	75/200	WLWO	Cincinnati, Ohio	U.S.A.
15.150	19.80	50/200	KNBH	Dixon, Cal.	U.S.A.

Mc/s	Metres	kW	Call	Station and Country	
15.150	19.80	15/120	—	Moscow, Russia	U.S.S.R.
15.155	19.79	25	ZYN9	Sao Paulo	Brazil
15.155	19.79	100	—	Horby	Sweden
15.155	19.79	15/120	—	Moscow, Russia	U.S.S.R.
15.160	19.79	100	VLA15	Shepparton, Vic.	Australia
15.160	19.79	5/100	VUD	Delhi	India
15.160	19.79	10	XEWW	Mexico City	Mexico
15.160	19.79	20	—	Damascus	Syria
15.160	19.79	35/100	—	Tangier (V.o.A.)	Tangier
15.160	19.79	100	TAU	Ankara	Turkey
15.165	19.78	10	ZYN7	Fortaleza	Brazil
15.165	19.78	50	OZF8	Copenhagen	Denmark
15.165	19.78	75/200	WLWO	Cincinnati, Ohio	U.S.A.
15.170	19.78	8/100	—	Munich (V.o.A.)	Germany (West)
15.170	19.78	10	TGWA	Guatemala City	Guatemala
15.170	19.78	5/100	VUD	Delhi	India
15.170	19.78	10	LKV	Fredrikstad	Norway
15.175	19.77	—	—	Peking	China
15.175	19.77	10	LLM	Fredrikstad	Norway
15.180	19.76	50	OZF8	Copenhagen	Denmark
15.180	19.76	50/100	GSO	Overseas Service*	Great Britain
15.180	19.76	15/120	—	Moscow, Russia	U.S.S.R.
X15.185	19.76	30	OLR	Podebrady	Czechoslovakia
15.190	19.75	5	PRK9	Belo Horizonte	Brazil
15.190	19.75	50	CKCX	Sackville, N.B.	Canada
15.190	19.75	100	OIX4	Pori	Finland
15.190	19.75	100	—	Allouis	France
15.190	19.75	35/100	—	Tangier (V.o.A.)	Tangier
15.195	19.74	35	—	Salonika (V.o.A.)	Greece
15.195	19.74	100	TAQ	Ankara	Turkey
15.195	19.74	25	—	Komsomolsk, Russia	U.S.S.R.
15.195	19.74	15/120	—	Moscow, Russia	U.S.S.R.
15.195	19.74	50	—	Petropavlovsk, Russia	U.S.S.R.
15.196	19.74	—	—	Peking	China
15.200	19.74	50	VLC15	Shepparton, Vic.	Australia
15.200	19.74	3	ZPA7	Ascuncion	Paraguay
15.200	19.74	7.5/50	—	Manila, Luzon (V.o.A.)	Philippines
15.200	19.74	20/80	WRUL	Boston, Mass.	U.S.A.
15.205	19.73	35/100	—	Tangier (V.o.A.)	Tangier
15.205	19.73	15/120	—	Moscow, Russia	U.S.S.R.
15.210	19.72	50	VLC15	Shepparton, Vic.	Australia
15.210	19.72	8/100	—	Munich (V.o.A.)	Germany (West)
15.210	19.72	50/100	GWU	Overseas Service*	Great Britain
15.210	19.72	50	WBOU	Bound Brook, N.J.	U.S.A.
15.210	19.72	50	WDSI	Brentwood, N.Y.	U.S.A.
15.210	19.72	15/120	—	Moscow, Russia	U.S.S.R.
15.215	19.72	7.5/50	—	Manila, Luzon (V.o.A.)	Philippines
15.220	19.71	40	PCJ2	Huizen	Netherlands
15.220	19.71	7.5	ZL10	Wellington	New Zealand
15.220	19.71	40	—	Kiev, Ukraine	U.S.S.R.
15.222	19.70	—	—	Peking	China
15.225	19.70	5/100	VUD	Delhi	India
15.225	19.70	7.5	JBD3	Osaka	Japan
15.225	19.70	15/120	—	Moscow, Russia	U.S.S.R.
15.230	19.70	10	VLH15	Melbourne, Vic.	Australia

Mc/s	Metres	kW	Call	Station and Country	
15.230	19.70	35	—	Colombo	Ceylon
15.230	19.70	10	BED3	Taipei	Formosa
15.230	19.70	50/100	GWD	Overseas Service*	Great Britain
15.230	19.70	20	—	Paradys	South Africa
15.230	19.70	20/80	WRUL	Boston, Mass.	U.S.A.
15.230	19.70	50	WBOU	Bound Brook, N.J.	U.S.A.
15.230	19.70	75/200	WLWO	Cincinnati, Ohio	U.S.A.
15.230	19.70	15/120	—	Moscow, Russia	U.S.S.R.
15.235	19.69	50/100	JOB5	Tokio	Japan
15.235	19.69	25	—	Komsomolsk, Russia	U.S.S.R.
15.235	19.69	15/120	—	Moscow, Russia	U.S.S.R.
15.238	19.69	100	—	Belgrade	Yugoslavia
15.240	19.69	—	—	Peking	China
15.240	19.69	100	—	Allouis	France
15.240	19.69	50	APK	Karachi	Pakistan
*15.240	19.69	100	—	Horby	Sweden
15.240	19.69	50	WBOU	Bound Brook, N.J.	U.S.A.
15.240	19.69	15/120	—	Moscow, Russia	U.S.S.R.
15.241	19.69	50/200	—	Madrid	Spain
15.245	19.68	30	OLR	Podebrady	Czechoslovakia
15.245	19.69	5/100	VUD	Delhi	India
15.245	19.68	50	APK	Karachi	Pakistan
15.245	19.68	15/120	—	Moscow, Russia	U.S.S.R.
15.250	19.67	—	—	Peking	China
15.250	19.67	7.5/50	—	Manila, Luzon (V.o.A.)	Philippines
15.250	19.67	3	—	Bucharest	Rumania
15.250	19.67	75/200	WLWO	Cincinnati, Ohio	U.S.A.
15.250	19.67	50/200	KNBH	Dixon, Cal.	U.S.A.
15.250	19.67	15/120	—	Moscow, Russia	U.S.S.R.
15.255	19.67	50	APK3	Karachi	Pakistan
15.255	19.67	40	—	Kiev, Ukraine	U.S.S.R.
15.260	19.66	50/100	GSI	Overseas Service*	Great Britain
15.260	19.66	15/120	—	Moscow, Russia	U.S.S.R.
15.265	19.65	35	—	Colombo (V.o.A.)	Ceylon
15.265	19.65	7.5	APD	Dacca	Pakistan
15.270	19.65	2	—	Manila, Luzon	Philippines
15.270	19.65	50	WDSI	Brentwood, N.Y.	U.S.A.
15.270	19.65	15/120	—	Moscow, Russia	U.S.S.R.
15.275	19.64	100	DMQ15	Norden	Germany (West)
15.275	19.64	50/100	APK	Karachi	Pakistan
15.275	19.64	50	WDSI	Brentwood, N.Y.	U.S.A.
15.280	19.63	7.5	ZL4	Wellington	New Zealand
15.280	19.63	15/120	—	Moscow, Russia	U.S.S.R.
15.285	19.63	30	OLR	Podebrady	Czechoslovakia *
15.285	19.63	8/100	—	Munich (V.o.A.)	Germany (West)
15.285	19.63	50/100	APK	Karachi	Pakistan
15.285	19.62	50	WDSI	Brentwood, N.Y.	U.S.A.
15.290	19.62	6	LRU	Buenos Aires	Argentina
15.290	19.62	5/100	VUD	Delhi	India
15.290	19.62	50/200	KNBH	Dixon, Cal.	U.S.A.
15.290	19.62	15/120	—	Moscow, Russia	U.S.S.R.
15.295	19.61	25	—	Allouis	France
15.295	19.61	35/100	—	Tangier (V.o.A.)	Tangier
15.295	19.61	15/120	—	Moscow, Russia	U.S.S.R.
15.300	19.61	50/100	GWR	Overseas Service*	Great Britain

15.250 19.63 20 0RU5 53  
 \*15.275 19.64 75/100 Warsaw 53  
 Belgium \*  
 Poland.

15.335 19.56

Porto Alegre

Brasil

Mc/s	Metres	kW	Call	Station and Country	
15.300	19.61	7.5/100	—	Tebrau	Malaya
15.300	19.61	15/120	—	Moscow, Russia	U.S.S.R.
15.301	19.61	2	DZH8	Manila, Luzon	Philippines
15.305	19.60	50/100	APK	Karachi	Pakistan
X15.305	19.60	100	HER6	Schwarzenburg	Switzerland X
15.305	19.60	40	—	Kiev, Ukraine	U.S.S.R.
15.310	19.60	50/100	GSP	Overseas Service*	Great Britain
15.310	19.60	5/100	VUD	Delhi	India
15.310	19.60	7.5/100	—	Tebrau	Malaya
15.315	19.59	50	VLC15	Shepparton, Vic.	Australia
15.315	19.59	35	—	Salonika (V.o.A.)	Greece
15.315	19.59	100	HEU6	Schwarzenburg	Switzerland
15.315	19.59	50/200	KCBR	Delano, Cal.	U.S.A.
15.315	19.59	15/120	—	Moscow, Russia	U.S.S.R.
15.320	19.58	50	VLC15	Shepparton, Vic.	Australia
15.320	19.58	50	CKCS	Sackville, N.B.	Canada X
15.320	19.58	—	—	Kaunas, Lithuania	U.S.S.R.
15.325	19.58	5/100	VUD	Delhi	India
15.325	19.58	100	I2RO	Rome	Italy X
X15.325	19.58	50/100	—	Tokio	Japan
15.329	19.58	50	—	Cairo	Egypt
15.330	19.57	5	—	Sofia	Bulgaria
15.330	19.57	100	—	Allouis	France
15.330	19.57	200	WLWO5	Cincinnati, Ohio	U.S.A.
15.330	19.57	100	WGEO1	Schenectady, N.Y.	U.S.A.
15.330	19.57	15/120	—	Moscow, Russia	U.S.S.R.
15.335	19.56	100	ORU3	Wavre - Overijse	Belgium
15.335	19.56	50	APK	Karachi	Pakistan
15.335	19.56	15/120	—	Moscow, Russia	U.S.S.R.
15.340	19.56	20	BED37	Taipei	Formosa
15.340	19.56	8/100	—	Munich (V.o.A.)	Germany (West)
15.340	19.56	7.5	—	Athens	Greece
15.340	19.56	35/100	—	Tangier (V.o.A.)	Tangier
15.340	19.46	50/200	KCBR	Delano, Cal.	U.S.A.
15.340	19.56	15/120	—	Moscow, Russia	U.S.S.R.
15.343	19.55	—	—	Peking	China
15.345	19.55	1	ETA	Addis Ababa	Ethiopia
15.345	19.55	35/100	—	Tangier (V.o.A.)	Tangier
X15.346	19.55	5	LRA	Buenos Aires	Argentina
15.350	19.54	100	—	Allouis	France
15.350	19.54	35/100	—	Tangier (V.o.A.)	Tangier
15.350	19.54	50	WRUL1	Boston, Mass.	U.S.A.
15.350	19.54	75/200	WLWO	Cincinnati, Ohio	U.S.A.
15.355	19.54	15/120	—	Moscow, Russia	U.S.S.R.
15.360	19.53	50/100	—	Overseas Service*	Great Britain
15.360	19.53	15/120	—	Moscow, Russia	U.S.S.R.
15.365	19.53	40	—	Lopik	Netherlands
15.366	19.52	25	ZYC9	Rio de Janeiro	Brazil
15.369	19.52	50	—	Cairo	Egypt
15.370	19.52	8/100	—	Munich (V.o.A.)	Germany (West)
15.370	19.52	15/120	—	Moscow, Russia	U.S.S.R.
15.373	19.51	—	—	Peking	China
15.375	19.51	20/100	DMQ15	Juelich	Germany (West)
15.375	19.51	50/100	—	Overseas Service*	Great Britain



Mc/s	Metres	kW	Call	Station and Country	
15.377	19.51	5	—	Bucharest	Rumania
15.380	19.50	—	—	Peking	China
15.380	19.50	5/100	VUD	Delhi	India
15.380	19.51	35	—	Okinawa (V.o.A.)	Okinawa Island
15.380	19.50	100	—	Lisbon	Portugal
15.385	19.49	35/100	—	Tangier (V.o.A.)	Tangier
15.386	19.49	50	—	Cairo	Egypt
15.390	19.49	50/100	—	Overseas Service*	Great Britain
15.390	19.49	20/80	WRUL	Boston, Mass.	U.S.A.
15.390	19.49	75/200	WLWO	Cincinnati, Ohio	U.S.A.
15.395	19.49	15/120	—	Moscow, Russia	U.S.S.R.
15.400	19.48	100	—	Allouis	France
15.400	19.48	50/100	—	Overseas Service*	Great Britain
15.400	19.48	100	—	Rome	Italy
15.400	19.48	15/120	—	Moscow, Russia	U.S.S.R.
15.405	19.48	50	CKLX	Sackville, N.B.	Canada
15.405	19.48	100	DMQ15	Norden	Germany (West)
15.405	19.48	35/100	—	Tangier (V.o.A.)	Tangier
15.407	19.47	5	PZC	Paramaribo	Dutch Guiana
15.410	19.47	35/100	—	Tangier (V.o.A.)	Tangier
15.410	19.47	15/120	—	Moscow, Russia	U.S.S.R.
15.415	19.46	20/80	WRUL	Boston, Mass.	U.S.A.
15.417	19.46	1	4VWI	Cap Haitien	Haiti
15.420	19.45	50	—	Brazzaville	French Eq. Africa
15.420	19.45	50/100	—	Overseas Service*	Great Britain
15.420	19.45	15/120	—	Moscow, Russia	U.S.S.R.
15.422	19.45	100	—	Allouis	France
15.422	19.45	50/200	—	Madrid	Spain
15.425	19.45	7.5	—	Athens	Greece
15.425	19.45	15	—	Kootwijk	Netherlands
15.425	19.45	15/120	—	Moscow, Russia	U.S.S.R.
15.430	19.44	15/120	—	Moscow, Russia	U.S.S.R.
15.435	19.44	50/100	GWE	Overseas Service*	Great Britain
15.435	19.44	5/100	VUD	Delhi	India
15.435	19.44	7.5/100	—	Tebrau	Malaya
15.440	19.43	8/100	—	Munich (V.o.A.)	Germany (West)
15.440	19.43	5/100	VUD	Delhi	India
15.440	19.43	35/100	—	Tangier (V.o.A.)	Tangier
15.440	19.43	50	WBOU	Bound Brook, N.J.	U.S.A.
15.440	19.43	15/120	—	Moscow, Russia	U.S.S.R.
15.442	19.43	50/200	—	Madrid	Spain
15.445	19.42	—	—	Peking	China
15.447	19.42	50/100	GRD	Overseas Service*	Great Britain
15.450	19.42	50	—	Cairo	Egypt
15.450	19.42	15/120	—	Moscow, Russia	U.S.S.R.
15.454	19.41	1.5	—	Brazzaville	French Eq. Africa
15.455	19.41	50	—	Komsomolsk, Russia	U.S.S.R.
15.470	19.39	15/120	—	Moscow, Russia	U.S.S.R.
15.480	19.38	—	—	Peking	China
15.480	19.38	5/100	VUD	Delhi	India
15.520	19.33	8/100	—	Munich (V.o.A.)	Germany (West)
15.577	19.25	—	—	Peking	China
15.590	19.24	—	—	Peking	China
15.595	19.24	50	FZI	Brazzaville	French Eq. Africa

Mc/s	Metres	kW	Call	Station and Country	
<del>15.640</del> 15.640	<del>19.18</del> 19.18	<del>—</del> —	<del>HSK</del> HSK	<del>Bangkok</del> Bangkok	<del>Siam</del> Siam
15.650	19.20	15/120	—	Moscow, Russia	U.S.S.R.
15.710	19.10	—	—	Peking	China
15.875	18.90	8/100	—	Munich (V.o.A.)	Germany (West)
15.878	18.89	—	—	Peking	China
15.880	18.92	—	—	Peking	China
16.270	18.44	—	—	Peking	China
16.370	18.37	15/120	—	Moscow, Russia	U.S.S.R.
17.450	17.19	—	—	Peking	China
17.491	17.15	—	—	Peking	China
17.537	17.10	—	—	Peking	China
17.605	17.04	—	—	Peking	China
<del>17.677</del> 17.677	<del>16.97</del> 16.97	<del>—</del> —	<del>SKSSB</del> SKSSB	<del>St. Thomas</del> St. Thomas Island	<del>St. Thomas Island</del>
17.690	16.96	7.5/100	—	Warsaw	Poland
17.695	16.96	30	OLR	Podebrady	Czechoslovakia
17.700	16.95	50/100	GVP	Overseas Service*	Great Britain
17.700	16.95	15/120	—	Moscow, Russia	U.S.S.R.
17.705	16.94	50/100	—	Overseas Service*	Great Britain
17.705	16.94	5/100	VUD	Delhi	India
17.705	16.94	35/100	—	Tangier (V.o.A.)	Tangier
17.710	16.94	20/80	WRUL	Boston, Mass.	U.S.A.
17.710	16.94	40	—	Kiev, Ukraine	U.S.S.R.
<del>17.711</del> 17.711	<del>16.94</del> 16.94	<del>—</del> —	<del>APL</del> APL	<del>Bakar</del> Bakar	<del>Pakistan</del>
17.715	16.94	100	—	Allouis	France
17.715	16.93	50/100	GRA	Overseas Service*	Great Britain
17.715	16.93	40	—	Kiev, Ukraine	U.S.S.R.
17.720	16.93	35	—	Salonika (V.o.A.)	Greece
17.720	16.93	5/100	VUD	Delhi	India
17.720	16.93	100	HEU7	Schwarzenburg	Switzerland
17.720	16.93	35/100	—	Tangier (V.o.A.)	Tangier
17.725	16.93	—	—	Peking	China
<del>17.726</del> 17.726	<del>16.92</del> 16.92	<del>—</del> —	<del>—</del> —	<del>Columba</del> Columba	<del>Ceylon</del>
17.730	16.92	30	OLR	Podebrady	Czechoslovakia
17.730	16.92	50/100	GVQ	Overseas Service*	Great Britain
17.730	16.92	5/100	VUD	Delhi	India
17.730	16.92	15/120	—	Moscow, Russia	U.S.S.R.
17.735	16.92	5/100	VUD	Delhi	India
17.735	16.92	50	APK	Karachi	Pakistan
17.740	16.91	50/100	GRQ	Overseas Service*	Great Britain
17.740	16.91	100	—	Rome	Italy
17.740	16.91	15/120	—	Moscow, Russia	U.S.S.R.
17.745	16.90	50/100	—	Overseas Service*	Great Britain
17.745	16.90	7.5	—	Athens	Greece
17.745	16.91	5/100	VUD	Delhi	India
17.745	16.90	50	—	Komsomolsk, Russia	U.S.S.R.
<del>17.746</del> 17.746	<del>16.90</del> 16.90	<del>—</del> —	<del>—</del> —	<del>St. Georges</del> St. Georges	<del>Grenada</del>
17.746	16.90	—	—	Peking	China
17.750	16.90	50	APK	Karachi	Pakistan
17.750	16.90	35/100	—	Tangier (V.o.A.)	Tangier
17.750	16.90	20/80	WRUL	Boston, Mass.	U.S.A.
x 17.755	16.90	7.5/100	—	Tebrau	Malaya
17.755	16.90	5/100	LKW	Fredrikstad	Norway
17.755	16.90	15/120	—	Moscow, Russia	U.S.S.R.
17.757	16.89	30	—	Podebrady	Czechoslovakia
17.760	16.89	50	—	Cairo	Egypt

Mc/s	Metres	kW	Call	Station and Country	
17.760	16.89	35/100	—	Tangier (V.o.A.)	Tangier
17.760	16.89	75/200	WLWO	Cincinnati, Ohio	U.S.A.
17.760	16.89	25/100	WGEO	Schenectady, N.Y.	U.S.A.
17.760	16.89	15/120	—	Moscow, Russia	U.S.S.R.
17.765	16.89	100	—	Allouis	France
17.765	16.89	5/100	VUD	Delhi	India
17.770	16.88	100	—	Rome	Italy
<del>17.770</del>	<del>16.88</del>	<del>75</del>	<del>ZVS</del>	<del>Wellington</del>	<del>New Zealand</del>
17.770	16.88	50	APK	Karachi	Pakistan
17.770	16.88	100	—	Horby	Sweden
17.770	16.88	50/200	KCBR	Delano, Cal.	U.S.A.
17.770	16.88	15/120	—	Moscow, Russia	U.S.S.R.
17.775	16.88	5	PHI	Lopik	Netherlands X
17.780	16.87	50	—	Cairo	Egypt
17.780	16.87	5/100	VUD	Delhi	India
17.780	16.87	50	WBOU	Bound Brook, N.J.	U.S.A.
17.780	16.87	15/120	—	Moscow, Russia	U.S.S.R.
<del>17.784</del>	<del>16.87</del>	<del>5/25</del>	<del>ZZZ</del>	<del>Zürich</del>	<del>India/China</del>
17.784	16.87	100	HER7	Schwarzenburg	Switzerland
17.784	16.87	50	WDSI	Brentwood, N.Y.	U.S.A.
17.785	16.87	—	JOA9	Tokio	Japan
17.785	16.87	15/120	—	Moscow, Russia	U.S.S.R.
17.786	16.87	50	APK	Karachi	Pakistan
17.790	16.86	100	VLB17	Shepparton, Vic.	Australia
17.790	16.86	50/100	GSG	Overseas Service*	Great Britain
17.790	16.86	5/100	VUD	Delhi	India
<del>17.790</del>	<del>16.86</del>	<del>75</del>	<del>ZZZ</del>	<del>Moscow, Russia</del>	<del>U.S.S.R.</del>
17.790	16.86	15/120	—	Moscow, Russia	U.S.S.R.
17.793	16.86	50	—	Cairo	Egypt
17.793	16.86	7.5	—	Athens	Greece
17.795	16.86	3	OEI37	Vienna	Austria
17.795	16.86	5/100	VUD	Delhi	India
17.795	16.86	50/100	JOA22	Tokio	Japan
17.795	16.86	75/200	WLWO	Cincinnati, Ohio	U.S.A.
17.797	16.85	10	OIX5	Pori	Finland
17.800	16.85	100	VLB17	Shepparton, Vic.	Australia
<del>17.800</del>	<del>16.85</del>	<del>25</del>	<del>ZZZ</del>	<del>Columbo</del>	<del>Ceylon</del>
17.800	16.85	5/100	VUD	Delhi	India
17.800	16.85	60	—	Rome	Italy
17.800	16.85	7.5/100	—	Warsaw	Poland
17.800	16.85	100	—	Horby	Sweden
17.800	16.85	50/200	KNBH	Dixon, Cal.	U.S.A.
17.800	16.85	15/120	—	Moscow, Russia	U.S.S.R.
17.803	16.85	50	APK	Karachi	Pakistan
<del>17.805</del>	<del>16.85</del>	<del>75</del>	<del>ZZV6</del>	<del>Manila, Luzon</del>	<del>Philippines</del>
<del>17.805</del>	<del>16.85</del>	<del>75</del>	<del>ZZZ</del>	<del>St. Georges, Grenada</del>	<del>Windward Is.</del>
17.810	16.84	50/100	GSV	Overseas Service*	Great Britain
17.810	16.84	5/100	VUD	Delhi	India
17.810	16.84	15/120	—	Moscow, Russia	U.S.S.R.
17.815	16.84	30	OLR	Podebrady	Czechoslovakia
17.815	16.84	20/100	DMQ17	Juelich	Germany
17.815	16.84	100	DMR50	Norden	Germany (West)
17.815	16.84	15/120	—	Moscow, Russia	U.S.S.R.
17.820	16.84	50	CKNC	Sackville, N.B.	Canada
<del>17.820</del>	<del>16.84</del>	<del>75</del>	<del>ZZZ</del>	<del>Columbo</del>	<del>Ceylon</del>

17.915 16.68

Cairo

V. A. R.

Mc/s	Metres	kW	Call	Station and Country	
<del>17.820</del>	<del>16.84</del>	<del>15</del>	<del>ZL14</del>	<del>Wellington</del>	<del>New Zealand</del>
17.820	16.84	15/120	—	Moscow, Russia	U.S.S.R.
17.825	16.83	—	—	Tokio	Japan
17.825	16.83	10	LLN	Fredrikstad	Norway
17.825	16.83	100	TAV	Ankara	Turkey
17.825	16.83	15/120	—	Moscow, Russia	U.S.S.R.
17.830	16.83	30	—	Podebrady	Czechoslovakia
17.830	16.83	8/100	—	Munich (V.o.A.)	Germany (West)
17.830	16.83	5/100	VUD	Delhi	India
17.830	16.83	35/100	—	Tangier (V.o.A.)	Tangier
17.830	16.83	50	WDSI	Brentwood, N.Y.	U.S.A.
17.830	16.83	50/200	KNBH	Dixon, Cal.	U.S.A.
17.830	16.83	15/120	—	Moscow, Russia	U.S.S.R.
17.835	16.82	—	—	Peking	China
17.835	16.82	20	—	Taipei	Formosa
<del>17.835</del>	<del>16.82</del>	<del>100</del>	<del>CSA</del>	<del>Brazzaville</del>	<del>French Eq. Africa</del>
17.835	16.82	100	CSA	Lisbon	Portugal
17.835	16.82	35/100	—	Tangier (V.o.A.)	Tangier
<del>17.840</del>	<del>16.82</del>	<del>100</del>	<del>VLB17</del>	<del>Shepparton, Vic.</del>	<del>Australia</del>
17.840	16.82	100	VLB17	Shepparton, Vic.	Australia
17.840	16.82	8/100	—	Munich (V.o.A.)	Germany (West)
17.840	16.82	50/100	—	Overseas Service*	Great Britain
17.840	16.82	100	—	Horby	Sweden
17.840	16.82	35/100	—	Tangier (V.o.A.)	Tangier
17.840	16.82	15/120	—	Moscow, Russia	U.S.S.R.
17.840	16.82	25	HVJ	Vatican City	Vatican City
17.845	16.81	100	ORU3/ORU4	Wavre - Overijse	Belgium
17.845	16.81	100	—	Colombo	Ceylon
17.845	16.81	20/100	DNQ17	Juelich	Germany (West)
17.845	16.81	50/100	JOA21	Tokio	Japan
17.845	16.81	35/100	—	Tangier (V.o.A.)	Tangier
17.850	16.81	100	—	Allouis	France
17.850	16.81	50/200	KCBR	Delano, Cal.	U.S.A.
17.850	16.81	15/120	—	Moscow, Russia	U.S.S.R.
17.855	16.81	—	—	Peking	China
17.855	16.81	5/100	VUD	Delhi	India
17.855	16.81	35/100	—	Tangier (V.o.A.)	Tangier
17.855	16.81	50	—	Komsomolsk, Russia	U.S.S.R.
17.860	16.80	30	OLR	Podebrady	Czechoslovakia
17.860	16.80	50/100	—	Overseas Service*	Great Britain
17.865	16.79	5/100	VUD	Delhi	India
17.865	16.79	20	—	Damascus	Syria
17.865	16.79	50	—	Komsomolsk, Russia	U.S.S.R.
17.865	16.79	15/120	—	Moscow, Russia	U.S.S.R.
17.870	16.79	50/100	GRP	Overseas Service*	Great Britain
17.870	16.79	7.5/100	—	Tebrau	Malaya
17.872	16.79	—	—	Peking	China
<del>17.875</del>	<del>16.78</del>	<del>50/100</del>	<del>DNQ17</del>	<del>Juelich</del>	<del>Germany (West)</del>
17.875	16.78	50/100	DNQ17	Juelich	Germany (West)
17.875	16.78	50	WDSI	Brentwood, N.Y.	U.S.A.
17.880	16.78	50/100	—	Overseas Service*	Great Britain
17.880	16.78	50	APK	Karachi	Pakistan
17.880	16.78	100	CSA	Lisbon	Portugal
17.880	16.78	75/200	WLWO	Cincinnati, Ohio	U.S.A.
17.880	16.78	50/200	KCBR	Delano, Cal.	U.S.A.

Mc/s	Metres	kW	Call	Station and Country	
17.880	16.78	15/120	—	Moscow, Russia	U.S.S.R.
X17.887	16.77	10	HCBJ	Quito	Ecuador
17.890	16.77	100	—	Issoudun	France
17.890	16.77	50/100	GVO	Overseas Service*	Great Britain
17.890	16.77	5/100	VUD	Delhi	India
17.890	16.77	7.5/100	—	Tebrau	Malaya
17.890	16.77	15/120	—	Moscow, Russia	U.S.S.R.
17.895	16.77	50/100	CSA43	Lisbon	Portugal
17.895	16.76	15/120	—	Moscow, Russia	U.S.S.R.
17.900	16.76	15/120	—	Moscow, Russia	U.S.S.R.
17.902	16.76	30	—	Podebrady	Czechoslovakia
17.910	16.75	15/120	—	Moscow, Russia	U.S.S.R.
17.920	16.74	5/100	VUD	Delhi	India
20.060	14.96	8/100	—	Munich (V.o.A.)	Germany (West)
21.455	13.98 <sup>9</sup>	35/100	—	Tangier (V.o.A.)	Tangier
21.460	13.98	20/80	WRUL	Boston, Mass.	U.S.A.
21.460	13.98	50/200	KNBH	Dixon, Cal.	U.S.A.
21.460	13.98	15/120	—	Moscow, Russia	U.S.S.R.
21.470	13.97	50/100	GSH	Overseas Service*	Great Britain
21.470	13.97	7.5/100	—	Tebrau	Malaya
21.485	13.96	75/200	WLWO	Cincinnati, Ohio	U.S.A.
21.490	13.96	20/100	—	Juelich	Germany (West)
21.490	13.96	50/100	—	Overseas Service*	Great Britain
21.490	13.96	15/120	—	Moscow, Russia	U.S.S.R.
21.495	13.95	100	CSA67	Lisbon	Portugal
21.495	13.95	35/100	—	Tangier (V.o.A.)	Tangier
21.500	13.95	35/100	—	Tangier (V.o.A.)	Tangier
21.500	13.95	20/80	WRUL	Boston, Mass.	U.S.A.
21.500	13.95	50	WDSI	Brentwood, N.Y.	U.S.A.
21.500	13.95	50/200	KNBH	Dixon, Cal.	U.S.A.
21.505	13.95	5/100	VUD	Delhi	India
21.510	13.95	100	ORU4	Wavre - Overijse.	Belgium
21.510	13.95	100	CSA	Lisbon	Portugal
21.515	13.94	75/200	WLWO	Cincinnati, Ohio	U.S.A.
21.520	13.94	100	HER8	Schwarzenburg	Switzerland
21.530	13.93	50/100	GSJ	Overseas Service*	Great Britain
21.540	13.93	100	VLD50	Shepparton, Vic.	Australia
21.540	13.93	50	WBOU	Bound Brook, N.J.	U.S.A.
21.550	13.92	50/100	GST	Overseas Service*	Great Britain
21.554	13.92	50	APK	Karachi	Pakistan
21.555	13.92	15/120	—	Moscow, Russia	U.S.S.R.
21.560	13.91	100	—	Rome	Italy
21.560	13.91	20	—	Damascus	Syria
21.570	13.91	5/100	VUD	Delhi	India
21.570	13.91	50	WDSI	Brentwood, N.Y.	U.S.A.
21.575	13.91	15/120	—	Moscow, Russia	U.S.S.R.
21.580	13.90	100	—	Allouis	France
21.580	13.90	5/100	VUD	Delhi	India
21.585	13.90	20	—	Paradys	South Africa
21.590	13.90	100	VLC21	Shepparton, Vic.	Australia
21.590	13.90	50/100	APK	Karachi	Pakistan
21.590	13.90	25/100	WGE0	Schenectady, N.Y.	U.S.A.
21.600	13.89	100	VLB21	Shepparton, Vic.	Australia
21.600	13.89	50	CKRP	Sackville, N.B.	Canada
21.605	13.88	100	HEI9	Schwarzenburg	Switzerland

Mc/s	Metres	kW	Call	Station and Country	
21.610	13.88	35/100	—	Tangier (V.o.A.)	Tangier
21.610	13.88	75/200	WLWO	Cincinnati, Ohio	U.S.A.
21.610	13.88	50/200	KNBH	Dixon, Cal.	U.S.A.
21.610	13.88	15/120	—	Moscow, Russia	U.S.S.R.
21.615	13.87	50/100	—	Overseas Service*	Great Britain
21.615	13.87	75/200	WLWO	Cincinnati, Ohio	U.S.A.
21.620	13.87	100	—	Allouis	France
21.625	13.87	50/100	APK	Karachi	Pakistan
21.630	13.87	50/100	GVT	Overseas Service*	Great Britain
21.630	13.87	50/200	KCBR	Delano, Cal.	U.S.A.
21.630	13.87	50	—	Komsomolsk, Russia	U.S.S.R.
21.640	13.86	50/100	GRZ	Overseas Service*	Great Britain
21.640	13.86	20	—	Paradys	South Africa
21.642	13.86	100	CSA	Lisbon	Portugal
21.650	13.86	100	DMR56	Juelich	Germany (West)
21.650	13.86	5/100	VUD	Delhi	India
21.650	13.86	75/200	WLWO	Cincinnati, Ohio	U.S.A.
21.650	13.86	50/200	KNBH	Dixon, Cal.	U.S.A.
21.660	13.85	50/100	MCX	Overseas Service*	Great Britain
21.670	13.84	5	LLP	Oslo	Norway
21.670	13.84	15/120	—	Moscow, Russia	U.S.S.R.
21.675	13.84	50/100	GVR	Overseas Service*	Great Britain
21.680	13.84	100	VLD21	Shepparton, Vic.	Australia
21.680	13.84	15/120	—	Moscow, Russia	U.S.S.R.
21.682	13.84	50	APK	Karachi	Pakistan
21.690	13.83	100	—	Horby	Sweden
21.690	13.83	35/100	—	Tangier (V.o.A.)	Tangier
21.700	13.83	5/100	VUD	Delhi	India
21.710	13.82	50/100	GVS	Overseas Service*	Great Britain
21.715	13.82	100/20	ORU3/ORU5	Wavre - Overijse	Belgium
21.720	13.81	100	—	Allouis	France
21.720	13.81	7.5/100	—	Tebrau	Malaya
21.720	13.81	100	—	Horby	Sweden
21.730	13.81	5	LLQ	Oslo	Norway
21.730	13.81	50	WBOU	Bound Brook, N.J.	U.S.A.
21.740	13.80	100	—	Allouis	France
21.740	13.80	50/100	MCY	Overseas Service*	Great Britain
21.740	13.80	50/200	KCBR	Delano, Cal.	U.S.A.
21.740	13.80	25	HVJ	Vatican City	Vatican City
24.950	12.02	50	—	Cairo	Egypt
25.605	11.71	35/100	—	Tangier (V.o.A.)	Tangier
25.615	11.71	3	OEI38	Vienna	Austria
25.640	11.70	100	HER9	Schwarzenburg	Switzerland
25.640	11.70	35/100	—	Tangier (V.o.A.)	Tangier
25.650	11.70	20/100	DMQ25	Juelich	Germany (West)
25.670	11.69	35/100	—	Tangier (V.o.A.)	Tangier
25.675	11.69	50	VLC25	Shepparton, Vic.	Australia
25.720	11.67	50/100	GSR	Overseas Service*	Great Britain
25.735	11.66	50	VLC25	Shepparton, Vic.	Australia
25.750	11.65	50/100	GSQ	Overseas Service*	Great Britain
25.760	11.65	20	—	Paradys	South Africa
25.801	11.63	20	—	Paradys	South Africa
25.820	11.62	20	—	Paradys	South Africa
25.840	11.62	50/100	GSS	Overseas Service*	Great Britain

Mc/s	Metres	kW	Call	Station and Country	
25.880	11.60	35/100	—	Tangier (V.o.A.)	Tangier
25.890	11.59	35/100	—	Tangier (V.o.A.)	Tangier
25.900	11.59	100	DMR61	Norden	Germany (West)
25.900	11.59	5/100	LLA	Oslo	Norway
25.945	11.56	3	OEI39	Vienna	Austria
25.950	11.56	50	WBOU	Bound Brook, N.J.	U.S.A.
25.999	11.54	100	ORU	Wavre	Belgium
26.040	11.52	50	WBOU	Bound Brook, N.J.	U.S.A.
26.080	11.50	50/100	GSK	Overseas Service*	Great Britain

## Short-wave Broadcasting Bands

By international agreement, reached at Atlantic City in 1947, broadcasting on the short waves is limited to certain bands; these are listed below. It will be seen, however, from the foregoing list that many stations are operating outside these bands. Some bands are officially shared with other services and the use of others (marked T) is limited to the Tropical Zone (see page 40).

2.300 — 2.498	Mc/s	(T)	} Shared with fixed and mobile services.
3.200 — 3.400		(T)	
3.950 — 4.000			Shared with fixed service.
4.750 — 4.995		(T)	} Shared with fixed and mobile services.
5.005 — 5.060		(T)	
5.950 — 6.200			First 50 kc/s shared with amateurs.
7.100 — 7.300			
9.500 — 9.775			
11.700 — 11.975			
15.100 — 15.450			
17.700 — 17.900			
21.450 — 21.750			
25.600 — 26.100			

## Abbreviations

A.F.N.	American Forces Network
B.F.N.	British Forces Network
B.R.	Bayerischer Rundfunk
H.R.	Hessischer Rundfunk
N.D.R.	Norddeutscher Rundfunk
R.F.B.	Radio Free Berlin
R.F.E.	Radio Free Europe
R.I.A.S.	Radio im Amerikanischen Sektor
S.D.R.	Suddeutscher Rundfunk
S.W.F.	Sudwestfunk
V.o.A.	Voice of America
W.D.R.	Westdeutscher Rundfunk

## Geographical List of Short-wave Stations of the World

	Mc/s		Mc/s		Mc/s
ADEN	7.170	Nova Lisboa	9.705	Sydney, N.S.W.	6.090
AFGHANISTAN		"	11.924		
Kabul	9.973	"	7.200	AUSTRIA	
AFRICA,		ARGENTINA		Vienna	5.984
FRENCH EQ.		Buenos Aires	5.986	"	6.155
Brazzaville	3.232	"	6.065	"	7.135
"	4.792	"	6.090	"	7.245
"	4.975	"	6.120	"	7.260
"	5.970	"	6.180	"	9.505
"	9.625	"	9.660	"	9.615
"	9.730	"	9.690	"	9.645
"	9.937	"	9.740	"	9.665
"	11.454	"	9.760	"	11.775
"	11.970	"	11.880	"	11.785
"	15.420	"	15.290	"	11.935
"	15.454	"	15.346	"	17.795
"	15.595	AUSTRALIA		"	25.615
"	17.835	Brisbane, Qld.	4.920	"	25.945
AFRICA,		"	9.660	AZORES	
FRENCH WEST		Lyndhurst, Vic.	6.150	Punta Delgada	4.865
(See Dahomey, Senegal and Ivory Coast)		"	9.680	"	11.925
AFRICA,		"	11.850	BALI	
PORT. EAST		"	11.880	(See Indonesia)	
(See Mozambique)		"	15.230	BELGIUM	
AFRICA,		Perth, W.A.	17.840	Wavre	9.705
PORT. WEST		"	4.897	"	9.745
(See Angola)		"	9.610	"	9.767
ALBANIA		"	11.830	"	11.720
Scutari	8.215	"	11.840	"	11.850
Tirana	6.818	Shepparton, Vic.	7.220	"	15.335
"	7.848	"	7.280	"	17.845
ALGERIA		"	9.500	"	17.845
Algiers	6.160	"	9.580	"	21.510
ANDORRA		"	9.615	"	21.715
Andorra	5.979	"	11.710	"	25.999
ANGOLA		"	11.740	BOLIVIA	
Benguela	5.042	"	11.770	Cochabamba	6.160
"	9.502	"	11.810	La Paz	6.150
Dondo	4.775	"	11.900	"	9.437
Luanda	4.843	"	15.160	"	9.555
"	4.855	"	15.200	BORNEO	
"	4.870	"	15.210	(See Indonesia)	
"	4.957	"	15.315	BRAZIL	
"	4.957	"	15.320	Aparecida	9.635
"	6.036	"	17.790	Bahia	3.345
"	6.355	"	17.800	Belem	4.865
"	9.632	"	17.840	Belo Horizonte	6.000
"	11.862	"	21.540	"	15.190
Lubango	5.022	"	21.590	Curityba	9.545
Lobito	3.400	"	21.600	Fortaleza	6.105
"	4.806	"	21.680	"	15.165
Mossamedes	7.230	"	25.675		
Nova Lisboa	4.852	"	25.735		



	Mc/s		Mc/s		Mc/s
<b>Brazil—cont.</b>		Sao Paulo	15.155	<b>CEYLON</b>	
Goiana	4.995	Taubate	4.805	Colombo	3.395
"	9.755	<b>BULGARIA</b>		"	4.870
"	11.815	Sofia	6.070	"	4.900
Manaos	4.805	"	7.255	"	4.940
"	4.895	"	7.670	"	4.965
Natal	4.925	"	9.700	"	5.020
Nitheroy	6.195	"	15.330	"	6.004
Porto Alegre	6.135	<b>BURMA</b>		"	6.095
"	9.675	Rangoon	6.018	"	7.110
Recife	3.263	"	9.538	"	7.190
"	6.015	<b>CAMEROONS</b>		"	9.520
"	6.085	Duala	6.115	"	11.770
"	9.565	Yaounde	4.975	"	11.875
"	9.780	"	9.270	"	11.975
"	11.700	<b>CANADA</b>		"	15.120
"	11.865	Halifax, N.S.	6.130	"	15.230
"	15.145	Montreal,		"	15.265
Rio de Janeiro	4.905	Quebec	6.005	"	17.730
"	5.015	Sackville, N.B.	5.970	"	17.800
"	5.045	"	6.060	"	17.820
"	6.147	"	6.090	"	17.845
"	9.575	"	6.160	"	21.620
"	9.610	"	9.585	<b>CHILE</b>	
"	9.705	"	9.610	Antofagasta	6.010
"	9.720	"	9.625	Punta Arenas	9.199
"	9.775	"	11.705	Santiago	5.750
"	11.720	"	11.720	"	6.076
"	11.735	"	11.760	"	6.190
"	11.775	"	11.900	"	7.660
"	11.935	"	11.945	"	9.597
"	11.950	"	15.090	"	9.737
"	15.366	"	15.190	"	11.743
"	17.875	"	15.320	"	11.960
Salvador	9.593	"	15.405	"	12.000
"	11.875	"	17.820	"	15.148
Sao Luiz	4.975	"	21.595	Valparaiso	6.150
Sao Paulo	4.755	"	21.600	"	11.938
"	5.955	Sydney, N.S.	6.010	<b>CHINA</b>	
"	6.025	Toronto, Ont.	6.070	Chungking	11.203
"	6.035	Vercheres,		Peking	3.914
"	6.055	Quebec	9.520	"	4.200
"	6.095	"	11.720	"	5.125
"	6.125	Winnipeg,		"	5.220
"	6.165	Manitoba	6.150	"	5.880
"	6.185	"	11.720	"	5.970
"	9.505	<b>CANARY IS.</b>		"	6.066
"	9.585	Teneriffe	7.295	"	6.086
"	9.620	<b>CAPE VERDE IS.</b>		"	6.203
"	9.685	Praia	7.135	"	6.213
"	9.745	<b>CEBU</b>		"	6.225
"	11.765	(See Philippines)		"	6.810
"	11.855	<b>CELEBES</b>		"	6.890
"	11.924	(See Indonesia)		"	6.995
"	11.965			"	7.078
"	15.135			"	7.170

	Mc/s		Mc/s		Mc/s
China—cont.					
Peking	7.225	Peking	17.540	COSTA RICA	
"	7.297	"	17.605	Limon	5.990
"	7.370	"	17.725	San Jose	6.035
"	7.502	"	17.746	"	6.036
"	7.526	"	17.835	"	6.152
"	7.770	"	17.855	"	6.165
"	9.065	"	17.872	"	9.619
"	9.135	COLOMBIA		"	9.645
"	9.170	Armenia	HJFU 4.795	CUBA	
"	9.340	"	HYFM 4.875	Camaguey	9.620
"	9.390	"	HJFC 6.010	Havana	5.085
"	9.459	Barranquilla	HJBA 4.779	"	6.130
"	9.510	"	HJAG 4.897	"	9.025
"	9.560	Bogota	4.834	"	9.362
"	9.620	"	4.895	"	9.531
"	9.682	"	4.945	"	9.670
"	9.704	"	4.957	"	9.832
"	9.760	"	5.013	"	11.750
"	9.773	"	5.960	"	11.800
"	9.825	"	6.000	Santiago	9.740
"	9.970	"	6.020	CURACAO	
"	10.070	"	6.155	Willemstad	2.460
"	10.262	"	6.160	CYPRUS	
"	11.110	Bucaramanga	6.183	Limassol	6.120
"	11.420	Cali	4.845	"	6.170
"	11.515	"	4.765	"	6.790
"	11.590	"	6.040	"	9.650
"	11.600	"	6.053	"	11.718
"	11.650	"	6.135	CZECHOSLOVAKIA	
"	11.801	"	6.195	Kostalany	6.172
"	11.895	Cartagena	4.930	Podebrady	6.010
"	11.935	"	4.965	"	6.055
"	11.960	Cucuta	4.871	"	6.105
"	11.978	Ibague	4.935	"	6.155
"	15.060	"	6.040	"	6.230
"	15.105	Manizales	5.027	"	7.235
"	15.117	"	6.105	"	7.255
"	15.117	Medellin	5.055	"	9.504
"	15.175	"	5.979	"	9.515
"	15.196	"	6.145	"	9.550
"	15.222	Neiva	4.855	"	9.580
"	15.240	Pasto	4.825	"	9.670
"	15.250	Pereira	4.867	"	11.675
"	15.353	Popayan	4.915	"	11.705
"	15.373	Sutatenza	5.075	"	11.726
"	15.380	CONGO, BELGIAN		"	11.795
"	15.445	Leopoldville	3.250	"	11.835
"	15.480	"	4.760	"	11.875
"	15.577	"	5.980	"	11.925
"	15.590	"	6.140	"	11.975
"	15.710	"	9.215	"	15.111
"	15.875	"	9.380	"	15.120
"	15.880	"	9.655	"	15.125
"	16.270	"	11.670	"	15.146
"	17.450	"	11.720	"	15.185
"	17.491	Stanleyville	6.085	"	

	Mc/s		Mc/s		Mc/s
<b>Czechoslovakia—cont.</b>		<b>Cairo</b>	17.793	<b>Alloius</b>	11.855
Podebrady	15.245	"	24.950	"	11.920
"	15.285	<b>ETHIOPIA</b>		"	12.029
"	17.695	Addis Ababa	7.290	"	15.100
"	17.730	"	9.642	"	15.124
"	17.757	"	15.345	"	15.190
"	17.815	<b>FJI ISLANDS</b>		"	15.240
"	17.830	Suva	3.980	"	15.295
"	17.860	<b>FINLAND</b>		"	15.330
"	17.902	Pori	6.120	"	15.350
<b>DAHOMY</b>		"	9.555	"	15.400
Cotonou	4.870	"	15.190	"	15.422
"	7.190	"	17.797	"	17.715
<b>DENMARK</b>		<b>FORMOSA</b>		"	17.765
Copenhagen	6.060	Taipei	5.985	"	17.850
"	7.306	"	7.336	"	17.892
"	9.520	"	9.575	"	21.580
"	15.165	"	9.775	"	21.740
"	15.180	"	15.235	Issoudun	17.890
<b>DOMINICAN</b>		"	15.340	<b>GERMANY, EAST</b>	
<b>REPUBLIC</b>		"	17.835	Berlin	6.115
Ciudad Trujillo	3.285	<b>FRANCE</b>		"	7.150
"	5.970	Allouis	3.965	Leipzig	9.728
"	6.115	"	5.953	<b>GERMANY, WEST</b>	
"	9.735	"	5.965	Bad Durrheim	7.265
La Romana	4.815	"	6.045	Berlin	6.005
Santiago	6.050	"	6.145	Frankfurt	5.470
<b>ECUADOR</b>		"	6.200	Juelich	11.795
Guayaquil	4.650	"	6.175	"	15.375
"	6.065	"	6.665	"	17.845
Quito	4.930	"	7.050	"	17.875
"	6.050	"	7.097	"	21.490
"	9.744	"	7.105	"	21.650
"	11.915	"	7.120	"	25.650
"	15.115	"	7.160	Munich	6.040
"	17.887	"	7.220	"	6.080
<b>EGYPT</b>		"	7.240	"	6.140
Cairo	6.125	"	7.245	"	6.160
"	7.055	"	7.280	"	7.155
"	9.475	"	7.501	"	7.250
"	9.646	"	7.625	"	7.295
"	9.753	"	7.650	"	9.545
"	9.762	"	9.540	"	9.620
"	9.770	"	9.550	"	9.670
"	11.625	"	9.560	"	11.805
"	11.698	"	9.585	"	11.830
"	11.720	"	9.620	"	11.840
"	11.995	"	9.675	"	11.890
"	12.029	"	9.755	"	15.170
"	15.329	"	9.765	"	15.210
"	15.369	"	9.792	"	15.285
"	15.386	"	11.693	"	15.340
"	15.450	"	11.700	"	15.370
"	17.760	"	11.721	"	15.440
"	17.780	"	11.730	"	15.520
"		"	11.845	"	15.875

	Mc/s	Overseas	Mc/u	Overseas	Mc/s
Germany, West—cont.					
Munich	17.830	Service*	7.200	Service*	15.110
"	17.840	"	7.210	"	15.140
"	21.060	"	7.220	"	15.180
Norden	3.970	"	7.230	"	15.210
"	5.980	"	7.250	"	15.230
"	6.075	"	7.260	"	15.260
"	7.205	"	7.280	"	15.300
"	7.290	"	7.325	"	15.310
"	9.640	"	9.410	"	15.360
"	9.735	"	9.510	"	15.375
"	11.945	"	9.525	"	15.390
"	15.275	"	9.550	"	15.400
"	15.405	"	9.560	"	15.420
"	17.815	"	9.570	"	15.435
"	25.920	"	9.580	"	15.447
Stuttgart	6.030	"	9.600	"	17.700
GHANA		"	9.625	"	17.705
Accra	3.365	"	9.640	"	17.715
"	4.915	"	9.660	"	17.730
"	9.615	"	9.675	"	17.740
GOA		"	9.690	"	17.745
Goa	4.886	"	9.700	"	17.790
"	4.930	"	9.710	"	17.810
"	7.071	"	9.725	"	17.840
"	9.610	"	9.735	"	17.860
GT. BRITAIN		"	9.750	"	17.870
Overseas		"	9.760	"	17.880
Service*	3.952	"	9.770	"	17.890
"	3.975	"	9.825	"	21.470
"	5.975	"	9.915	"	21.490
"	5.990	"	11.680	"	21.530
"	6.010	"	11.700	"	21.550
"	6.035	"	11.730	"	21.615
"	6.040	"	11.750	"	21.630
"	6.050	"	11.770	"	21.640
"	6.060	"	11.780	"	21.660
"	6.070	"	11.790	"	21.675
"	6.080	"	11.800	"	21.710
"	6.090	"	11.820	"	21.740
"	6.110	"	11.840	"	25.720
"	6.125	"	11.860	"	25.750
"	6.140	"	11.880	"	25.840
"	6.150	"	11.890	"	26.080
"	6.165	"	11.910		
"	6.170	"	11.920	GREECE	
"	6.180	"	11.930	Athens	5.960
"	6.195	"	11.945	"	6.073
"	7.110	"	11.955	"	7.420
"	7.120	"	11.960	"	9.606
"	7.130	"	11.970	"	11.718
"	7.135	"	12.040	"	11.926
"	7.150	"	12.095	"	15.345
"	7.185	"	15.070	"	15.425
				"	17.745

\* B.B.C. short-wave transmitters are located at Daventry, Northants; Skelton, Cumberland; Woofferton, Shropshire; and Rampisham, Dorset. Frequencies, calls and power are interchangeable.

	Mc/s		Mc/s		Mc/s
Greece—cont.		HONDURAS		Delhi	9.635
Athens	17.793	REPUBLIC		"	9.715
Mytilene	6.268	Comayaguela	6.110	"	9.720
Salonika	6.015	San Pedro Sula	5.995	"	9.760
"	6.155	" " "	6.061	"	9.850
"	7.260	" " "	6.124	"	11.715
"	9.530	Tegucigalpa	5.880	"	11.745
"	9.685	"	5.960	"	11.800
"	11.760	"	6.087	"	11.895
"	11.845	"	6.175	"	11.905
"	11.880	"	6.200	"	11.920
"	11.895	Tela	6.035	"	11.960
"	15.195	HONG KONG		"	12.020
"	15.315	Victoria	9.528	"	15.040
"	17.720	HUNGARY		"	15.105
GREENLAND		Budapest	7.222	"	15.130
Godthaab	9.525	"	9.832	"	15.160
GUATEMALA		"	11.911	"	15.170
Guatemala City	5.950	ICELAND		"	15.225
"	5.990	Reykjavik	12.174	"	15.240
"	6.030	INDIA		"	15.290
"	6.060	Bombay	4.840	"	15.310
"	6.101	"	6.150	"	15.325
"	6.180	"	7.240	"	15.380
"	9.668	"	9.550	"	15.425
"	9.760	Calcutta	3.305	"	15.440
"	11.850	"	4.880	"	15.480
"	15.170	"	6.010	"	17.705
Quezaltenango	6.110	"	7.210	"	17.720
"	6.207	"	9.530	"	17.730
GUIANA, BRIT.		Delhi	3.265	"	17.735
Georgetown	3.255	"	3.978	"	17.740
"	5.981	"	4.815	"	17.765
"		"	4.960	"	17.780
GUIANA, DUTCH		"	5.990	"	17.790
Paramaribo	15.046	"	6.060	"	17.795
"	15.407	"	6.130	"	17.800
"		"	6.190	"	17.810
GUINEA, PORT.		"	7.071	"	17.830
Bissao	3.975	"	7.105	"	17.850
HAITI		"	7.120	"	17.865
Cap Haitien	6.111	"	7.125	"	17.890
"	6.150	"	7.130	"	17.920
"	9.602	"	7.135	"	21.505
"	9.646	"	7.140	"	21.570
"	9.655	"	7.150	"	21.580
"	15.417	"	7.170	"	21.660
Les Gonaires	5.060	"	7.275	"	21.700
Port au Prince	6.012	"	7.285	"	
"	6.195	"	7.290	Madras	4.920
"	9.480	"	9.520	"	6.085
HAWAII		"	9.560	"	6.190
Honolulu	9.650	"	9.585	"	7.260
"	11.850	"	9.600	"	9.590
HONDURAS, BRIT.		"	9.605	"	
Belize	3.300	"	9.615	Murree,	
"	4.950	"	9.630	Kashmir	3.258
"	6.100	"		"	6.250

	Mc/s		Mc/s		Mc/s
<b>India—cont.</b>		Macassar,		<b>JAMAICA (See</b>	
Simla	3.223	Celebes	9.554	<b>West Indies, British)</b>	
"	4.760	Madium, Java	3.286	<b>JAPAN</b>	
"	7.170	Medan,		Osaka	15.225
Srinagar,		Sumatra	4.930	Tokio	4.910
Kashmir	4.860	"	7.250	"	6.055
INDO-CHINA	9.660	Menado, "		"	7.257
Dalat	7.268	Celebes	2.700	"	7.285
Hanoi	7.408	"	3.214	"	9.525
"	9.464	"	5.990	"	9.655
"	11.998	Padang,		"	9.675
"	15.022	Sumatra	2.480	"	11.705
Hue	7.208	"	3.960	"	11.800
Pnompenh	6.090	Palembang,		"	15.135
Saigon	6.125	Java	2.430	"	15.235
"	7.260	"	4.855	"	15.325
"	9.620	Pontianak,		"	17.785
"	17.785	Borneo	3.375	"	17.795
Vientiane, Laos	4.520	Semarang, Java	2.490	"	17.825
"	7.145	"	3.260	"	17.845
INDONESIA		Surabaya, Java	3.356		
Ambon,		"	3.980	<b>JAVA (See Indonesia)</b>	
Moluccas	3.240	Surakarta, Java	7.250	<b>JORDAN</b>	
"	3.295	IRAQ		Amman	6.047
Bandjermassin,		Baghdad	3.297	Jerusalem	6.495
Borneo	3.250	"	11.700	<b>KENYA</b>	
"	5.970	ISRAEL		Nairobi	3.315
Bandoeng, Java	3.205	Tel Aviv	6.722	"	4.885
"	4.945	"	6.833	"	4.933
Bukittinggi,		"	9.007	"	6.060
Sumatra	3.237	"	9.555	"	7.240
"	5.030	"	9.680	<b>KOREA</b>	
Den Pasar, Bali	3.395	ITALY		Pusan	7.936
Djakarta, Java	2.240	Caltanissetta	6.060	Pyongyang	5.700
"	3.277	"	7.175	Seoul	2.510
"	3.936	"	9.515	"	3.910
"	4.910	Rome	3.995	"	9.640
"	6.045	"	5.960	<b>KUWAIT</b>	
"	7.270	"	6.010	Kuwait	5.000
"	7.270	"	7.275	<b>LEBANON</b>	
"	9.710	"	7.290	Beirut	6.500
"	9.865	"	9.575	"	8.003
"	11.770	"	9.630	<b>LIBERIA</b>	
"	11.795	"	9.710	Monrovia	4.835
"	15.150	"	9.780	"	9.652
Djokjakarta,		"	11.810	"	11.798
Java	5.060	"	11.905	<b>LIBYA</b>	
"	7.100	"	15.120	Benghazi	4.930
Kuching,		"	15.325	Tripoli	3.305
Sarawak	5.052	"	15.400	<b>LUXEMBOURG</b>	
"	6.062	"	17.740	Luxembourg	6.090
Kutaradja,		"	17.770	<b>LUZON</b>	
Sumatra	4.982	"	17.360	(See Philippines)	
Macassar,		"	21.560		
Celebes	2.280	IVORY COAST			
"	4.752	Abidjan	4.824		
"	7.295	"	4.940		

	Mc/s		Mc/s		Mc/s
MADAGASCAR		MOROCCO,		Lagos	4.800
Tananarive	3.232	SPANISH		"	4.901
"	3.386	Tetuan	5.950	"	4.990
"	6.172	MOZAMBIQUE		"	6.101
"	7.155	Lourenco		"	9.655
"	9.514	Marques	3.226	NORWAY	
MALAYA		"	4.868	Fredrikstad	9.610
Kuala Lumpur	6.025	"	4.926	"	11.735
Singapore	4.780	"	7.211	"	11.850
"	4.820	"	9.765	"	15.170
"	5.010	"	11.765	"	15.175
"	6.135	"	11.985	"	17.755
"	9.615	"	15.081	"	17.825
Tebrau	6.110	"	17.790	Oslo	21.670
"	6.175	Niassa	3.242	"	21.730
"	7.120	NEPAL		"	25.900
"	9.625	Katmandu	7.100	Tromso	6.130
"	9.690	NETHERLANDS		"	7.210
"	9.725	Huizen	9.590	"	9.540
"	11.700	"	9.745	"	9.550
"	11.725	"	11.950	OKINAWA ISLAND	
"	11.820	"	15.220	Okinawa	6.145
"	11.880	Kootwijk	15.425	"	7.160
"	11.930	Lopik	6.020	"	9.635
"	11.955	"	6.025	"	11.835
"	15.300	"	9.715	"	15.380
"	15.310	"	11.730	PAKISTAN	
"	15.435	"	15.365	Dacca	3.955
"	17.755	"	17.775	"	3.965
"	17.870	NEW CALEDONIA		"	5.970
"	17.890	Noumea	6.035	"	5.980
"	21.470	NEW GUINEA,		"	7.140
"	21.720	DUTCH		"	7.280
MARTINIQUE		Bosnek, Biak	5.045	"	9.615
Fort de France	9.704	NEW ZEALAND		"	15.265
MAURITIUS		Wellington	6.020	"	17.711
Forest Side	15.038	"	6.080	Karachi	4.910
MEXICO		"	9.520	"	6.070
Mexico City	6.010	"	9.540	"	6.090
"	9.500	"	9.620	"	6.220
"	9.610	"	11.780	"	6.235
"	9.625	"	11.830	"	7.008
"	9.680	"	15.220	"	7.285
"	11.880	"	15.280	"	9.484
"	15.160	"	17.770	"	9.645
Morelia	6.030	"	17.820	"	9.738
Tampico	6.045	"		"	11.674
MOLUCCAS (See		NICARAGUA		"	11.725
Indonesia)		Granada	5.940	"	11.740
MONACO		Leon	5.995	"	11.885
Monte Carlo	6.035	Managua	6.065	"	11.915
"	7.132	"	6.140	"	15.240
MOROCCO,		NIGERIA		"	15.245
FRENCH		Enugu	3.965	"	15.255
Rabat	5.968	"	6.175	"	15.270
"	6.006	Ibadan	4.000	"	15.285
"	7.214			"	15.305

	Mc/s		Mc/s		Mc/s
<b>Pakistan—cont.</b>		<b>Manila, Luzon</b>	6.060	<b>Lisbon</b>	11.840
Karachi	15.335	" "	6.080	" "	11.920
"	17.735	" "	6.110	" "	11.995
"	17.755	" "	6.170	" "	15.065
"	17.770	" "	9.550	" "	15.086
"	17.786	" "	9.590	" "	15.100
"	17.803	" "	9.640	" "	15.125
"	17.880	" "	9.670	" "	15.380
"	21.554	" "	9.730	" "	17.835
"	21.590	" "	9.750	" "	17.880
"	21.626	" "	11.730	" "	17.890
"	21.682	" "	11.765	" "	21.490
Lahore	3.395	" "	11.790	" "	21.515
"	3.914	" "	11.857	" "	21.642
"	4.800	" "	11.960	" "	21.700
"	4.807	" "	15.200	<b>REUNION ISLAND</b>	
"	6.030	" "	15.215	St. Denis	4.820
"	6.075	" "	15.245	<b>RHODESIA, N.</b>	
"	7.225	" "	15.270	Lusaka	3.914
<b>PANAMA</b>		" "	15.301	" "	4.825
Colon	6.005	" "	17.805	" "	7.220
"	9.502	<b>POLAND</b>		" "	9.675
Panama City	5.990	Warsaw	5.953	<b>RHODESIA, S.</b>	
"	6.060	"	5.975	Salisbury	2.425
<b>PARAGUAY</b>		"	5.995	"	3.395
Ascuncion	5.970	"	6.025	"	6.018
"	9.737	"	6.135	"	7.275
"	11.850	"	6.196	"	9.505
"	11.973	"	7.100	<b>RUMANIA</b>	
"	15.200	"	7.110	Bucharest	5.980
<b>PERSIA</b>		"	7.145	"	6.210
Ahwaz	7.950	"	7.175	"	9.255
Isfahan	6.152	"	9.525	"	9.570
Tabriz	6.086	"	9.539	"	11.935
Teheran	3.780	"	9.555	"	15.250
"	6.155	"	9.570	"	15.377
"	9.680	"	9.600	<b>ST. THOMAS I.</b>	
"	15.100	"	9.616	Sao Thome	4.807
<b>PERU</b>		"	11.742	"	17.677
Arequipa	6.320	"	11.775	<b>SALVADOR</b>	
Cuzco	6.130	"	11.905	San Salvador	6.010
David	6.045	"	11.945	" "	6.095
Lima	5.970	"	11.955	" "	6.190
"	6.019	"	15.120	" "	6.216
"	6.081	"	17.690	" "	9.552
"	6.098	"	17.800	" "	11.948
"	6.297	<b>PORTUGAL</b>		Santa Ana	4.798
"	9.336	Lisbon	3.950	"	5.980
"	9.420	"	5.960	<b>SARAWAK</b>	
"	9.564	"	6.080	(see Indonesia)	
"	15.095	"	6.154	<b>SAUDI ARABIA</b>	
<b>PHILIPPINES</b>		"	6.373	Jidda	3.960
Cebu	6.140	"	9.633	"	5.976
Manila, Luzon	3.325	"	9.680	"	6.101
"	6.000	"	9.775	"	6.155
"	6.030	"	11.720	"	6.176



	Mc/s		Mc/s		Mc/s
<b>Saudi Arabia—cont.</b>		<b>Madrid</b>	<b>7.090</b>	<b>Schwarzenburg</b>	<b>21.520</b>
Jidda	7.078	"	7.100	"	21.605
"	7.132	"	9.360	"	25.640
"	9.650	"	9.610	<b>SYRIA</b>	
"	9.829	"	9.675	<b>Damascus</b>	6.165
"	9.931	"	9.680	"	7.145
"	10.055	"	9.695	"	7.240
"	11.750	"	11.814	"	9.555
"	11.846	"	11.986	"	11.664
"	11.950	"	12.030	"	11.750
<b>SENEGAL</b>		"	15.117	"	11.915
Dakar	4.893	"	15.241	"	15.160
"	5.938	"	15.422	"	17.865
"	11.895	"	15.442	"	21.560
<b>SIAM</b>		Malaga	6.220	<b>TAHITI</b>	
Bangkok	7.105	Valencia	6.995	Papeete	6.130
"	11.671	Valladolid	7.005	<b>TAIWAN (See</b>	
"	15.640	<b>SUDAN</b>		Formosa)	
<b>SIERRA LEONE</b>		Khartoum	5.005	<b>TANGANYIKA</b>	
Freetown	9.630	"	6.165	Dar-es-Salaam	5.050
<b>SOMALILAND,</b>		<b>SUMATRA (See</b>		<b>TANGIER</b>	3.980
<b>BRITISH</b>		Indonesia)		VOA	6.025
Hargeisa	7.127	<b>SURINAM (See</b>		"	6.110
<b>SOMALILAND,</b>		Guiana, Dutch)		VOA	6.140
<b>ITALIAN</b>		<b>SWEDEN</b>		VOA	7.100
Mogadishu	4.978	Horby	6.065	"	7.119
<b>SOUTH AFRICA</b>		"	6.095	"	7.127
Cape Town	5.892	"	7.210	"	7.185
Paradys	3.290	"	9.535	"	7.235
"	3.263	"	9.620	"	8.948
"	3.375	"	11.705	"	9.332
"	4.800	"	11.810	"	9.421
"	4.810	"	11.880	"	9.492
"	4.895	"	15.155	"	9.500
"	4.945	"	15.240	"	9.505
"	6.005	"	17.770	"	9.510
"	7.230	"	17.800	"	9.570
"	7.275	"	17.840	"	9.600
"	7.295	"	21.690	"	9.615
"	9.523	"	21.720	"	9.620
"	9.600	Motala	7.270	"	9.635
"	9.680	<b>SWITZERLAND</b>		"	9.667
"	9.720	Schwarzenburg	3.955	"	9.685
"	11.750	"	3.985	"	9.740
"	11.840	"	6.055	"	9.760
"	11.900	"	6.165	"	9.780
"	11.937	"	7.210	"	9.900
"	15.230	"	9.520	"	11.342
"	21.585	"	9.535	"	11.514
"	21.640	"	9.665	"	11.719
"	25.760	"	11.715	"	11.760
"	25.801	"	11.865	"	11.785
"	25.820	"	15.305	"	11.790
<b>SPAIN</b>		"	15.315	"	11.875
Madrid	5.995	"	17.120	"	11.890
"	6.130	"	17.784	"	11.900

	Mc/s		Mc/s		Mc/s
Tangier—cont.		Boston, Mass.	17.710	Cincinnati,	
VOA " 35/100	11.940	" "	17.750	Ohio	21.515
" " 5/20	15.018	" "	21.460	" "	21.610
" " 5/20	15.040	" "	21.500	" "	21.615
VOA " 35/100	15.130	Bound Brook,		" "	21.650
" " 35/100	15.150	N.J.	9.530	Delano, Cal.	6.185
" " 35/100	15.160	" "	9.550	" "	9.570
" " 35/100	15.190	" "	11.710	" "	9.600
" " 35/100	15.205	" "	11.790	" "	9.700
" " 35/100	15.295	" "	11.830	" "	11.710
" " 35/100	15.340	" "	11.870	" "	11.830
" " 35/100	15.345	" "	11.900	" "	11.870
" " 35/100	15.350	" "	15.210	" "	15.130
" " 35/100	15.385	" "	15.230	" "	15.315
" " 35/100	15.405	" "	15.240	" "	15.340
" " 35/100	15.410	" "	15.440	" "	17.770
" " 35/100	15.440	" "	17.780	" "	17.850
" " "	17.705	" "	21.540	" "	17.880
" " "	17.720	" "	21.730	" "	21.740
" " "	17.750	" "	25.950	Dixon, Cal.	6.020
" " "	17.760	" "	26.040	" "	9.515
" " "	17.830	Brentwood, N.Y.	9.530	" "	9.590
" " "	17.835	" "	9.650	" "	11.710
" " "	17.840	" "	9.670	" "	11.775
" " "	17.845	" "	11.790	" "	11.870
" " "	17.855	" "	11.830	" "	15.150
" " "	21.455	" "	11.870	" "	15.250
" " "	21.495	" "	15.210	" "	15.290
" " "	21.500	" "	15.270	" "	17.800
" " "	21.610	" "	15.275	" "	17.830
" " "	21.690	" "	15.285	" "	21.460
" " "	25.605	" "	17.784	" "	21.500
" " "	25.640	" "	17.830	" "	21.610
" " "	25.670	" "	17.875	" "	21.650
" " "	25.880	" "	21.500	Schenectady,	
" " "	25.890	" "	21.570	N.Y.	9.530
TRIPOLITANIA		Cincinnati,		" "	15.330
(See Libya)		Ohio	9.545	" "	17.760
TURKEY		" "	9.560	" "	21.590
Ankara	7.285	" "	9.725	U.S.S.R.	
"	9.464	" "	11.785	Achkhabad,	
"	9.515	" "	11.810	Turkmenia	4.235
"	15.160	" "	11.855	Alma Ata,	
"	15.195	" "	11.890	Kazak	4.625
"	17.825	" "	11.970	" "	5.260
Istanbul	6.267	" "	15.150	" "	5.900
U.S.A.		" "	15.165	" "	9.250
Boston, Mass.	9.530	" "	15.230	" "	10.530
" "	11.730	" "	15.250	Baku,	
" "	15.200	" "	15.330	Azerbaijan	4.957
" "	15.230	" "	15.350	" "	9.840
" "	15.350	" "	15.390	Blagoveshchensk,	
" "	15.390	" "	17.760	Russia	4.960
" "	15.415	" "	17.795	Erivan, Armenia	5.740
		" "	17.880	" "	6.075
		" "	21.485		

U.S.S.R.—cont.	Mc/s		Mc/s		Mc/s
Frunze, Kirghiz	4.010	Leningrad,		Moscow, Russia	7.290
Guryev, Kazak	4.560	Russia	7.340	"    "	7.310
Kaunas,		"    "	9.790	"    "	7.325
Lithuania	11.950	"    "	11.630	"    "	7.360
"    "	15.320	Magadan,		"    "	7.365
Khabarovsk,		Russia	4.995	"    "	7.370
Russia	3.900	"    "	7.270	"    "	7.375
"    "	4.273	"    "	9.498	"    "	7.385
"    "	5.110	"    "	3.936	"    "	7.390
"    "	5.940	Moscow, Russia	5.230	"    "	7.400
"    "	7.212	"    "	5.065	"    "	7.440
Kiev, Ukraine	4.940	"    "	5.270	"    "	9.149
"    "	4.970	"    "	5.740	"    "	9.450
"    "	6.020	"    "	5.905	"    "	9.470
"    "	7.132	"    "	5.930	"    "	9.480
"    "	9.595	"    "	5.940	"    "	9.490
"    "	9.640	"    "	5.960	"    "	9.510
"    "	9.665	"    "	5.965	"    "	9.520
"    "	9.685	"    "	5.980	"    "	9.535
"    "	9.730	"    "	5.995	"    "	9.555
"    "	11.700	"    "	6.000	"    "	9.580
"    "	11.740	"    "	6.030	"    "	9.585
"    "	11.840	"    "	6.035	"    "	9.610
"    "	11.890	"    "	6.040	"    "	9.625
"    "	15.220	"    "	6.045	"    "	9.650
"    "	15.252	"    "	6.050	"    "	9.675
"    "	15.305	"    "	6.060	"    "	9.680
"    "	17.710	"    "	6.065	"    "	9.690
"    "	17.715	"    "	6.120	"    "	9.700
Komsomolsk,		"    "	6.150	"    "	9.720
Russia	5.990	"    "	6.165	"    "	9.740
"    "	6.020	"    "	6.180	"    "	9.745
"    "	6.050	"    "	6.365	"    "	9.750
"    "	6.115	"    "	6.975	"    "	9.760
"    "	7.150	"    "	6.980	"    "	9.775
"    "	9.380	"    "	7.100	"    "	9.810
"    "	9.630	"    "	7.105	"    "	9.850
"    "	9.660	"    "	7.115	"    "	11.575
"    "	9.669	"    "	7.135	"    "	11.690
"    "	9.750	"    "	7.145	"    "	11.705
"    "	11.692	"    "	7.155	"    "	11.710
"    "	11.754	"    "	7.170	"    "	11.715
"    "	11.815	"    "	7.180	"    "	11.720
"    "	11.900	"    "	7.185	"    "	11.730
"    "	15.195	"    "	7.200	"    "	11.735
"    "	15.235	"    "	7.205	"    "	11.750
"    "	15.455	"    "	7.210	"    "	11.755
"    "	17.745	"    "	7.215	"    "	11.770
"    "	17.855	"    "	7.230	"    "	11.780
"    "	17.865	"    "	7.235	"    "	11.785
"    "	21.630	"    "	7.245	"    "	11.790
"    "		"    "	7.255	"    "	11.805
Krasnoyarsk,		"    "	7.260	"    "	11.810
Russia	5.290	"    "	7.265	"    "	11.825
Leningrad,		"    "	7.270	"    "	11.845
Russia	6.110	"    "	7.270	"    "	11.845
"    "	6.195	"    "	7.280	"    "	11.860

U.S.S.R.—cont.		Mc/s	Moscow,		Mc/s	Stalinabad,		Mc/s
Moscow,	Russia	11.865	Russia		15.400	Tadzhik		4.635
"	"	11.870	"	"	15.410	"	"	7.330
"	"	11.875	"	"	15.420	Tashkent,		
"	"	11.890	"	"	15.425	Uzbek		6.730
"	"	11.900	"	"	15.430	"	"	6.875
"	"	11.915	"	"	15.440	Tiflis, Georgia		5.040
"	"	11.925	"	"	15.450	"	"	6.050
"	"	11.930	"	"	15.470	Ulan Ude,		
"	"	11.935	"	"	15.650	Russia		6.135
"	"	11.940	"	"	16.370	Vladivostok,		
"	"	11.960	"	"	17.700	Russia		5.016
"	"	11.965	"	"	17.730	Yakutsk,		
"	"	11.975	"	"	17.740	Russia		5.980
"	"	11.985	"	"	17.755	UGANDA		
"	"	12.000	"	"	17.760	Kampala		5.027
"	"	12.020	"	"	17.771	"	"	7.110
"	"	12.075	"	"	17.780	URUGUAY		
"	"	15.040	"	"	17.785	Montevideo		6.000
"	"	15.045	"	"	17.790	"	"	6.035
"	"	15.055	"	"	17.800	"	"	6.055
"	"	15.060	"	"	17.810	"	"	6.075
"	"	15.070	"	"	17.815	"	"	6.130
"	"	15.080	"	"	17.820	"	"	6.156
"	"	15.090	"	"	17.825	"	"	6.170
"	"	15.100	"	"	17.830	"	"	11.835
"	"	15.105	"	"	17.840	"	"	11.896
"	"	15.110	"	"	17.845	VATICAN CITY		
"	"	15.135	"	"	17.865	Vatican City		6.190
"	"	15.150	"	"	17.880	"	"	7.280
"	"	15.155	"	"	17.890	"	"	9.645 X
"	"	15.180	"	"	17.895	"	"	9.660
"	"	15.195	"	"	17.900	"	"	11.685
"	"	15.205	"	"	17.910	"	"	11.740
"	"	15.210	"	"	21.460	"	"	15.120 X
"	"	15.225	"	"	21.490	"	"	17.840
"	"	15.230	"	"	21.555	"	"	21.740
"	"	15.235	"	"	21.575	VENEZUELA		
"	"	15.240	"	"	21.610	Barcelona		3.385
"	"	15.245	"	"	21.670	Barquisimeto		4.850
"	"	15.250	"	"	21.680	"	"	4.940
"	"	15.260	Murmansk,			"	"	4.989
"	"	15.270	Russia		7.650	"	"	9.510
"	"	15.280	Novosibirsk,			Cabimas		2.490
"	"	15.290	Russia		5.225	Caracas		3.245
"	"	15.295	"	"		"	"	3.305
"	"	15.300	Petropavlovsk,			"	"	3.345
"	"	15.315	Russia		5.050	"	"	3.390
"	"	15.330	"	"	6.080	"	"	4.880
"	"	15.335	"	"	9.500	"	"	4.890
"	"	15.340	"	"	11.850	"	"	4.923
"	"	15.355	"	"	15.140	"	"	4.972
"	"	15.360	"	"	15.195	"	"	5.029
"	"	15.370	Petrozavodsk,			"	"	5.047
"	"	15.390	Karelia		4.995	"	"	6.170
						"	"	9.640

	Mc/s		Mc/s		Mc/s
Venezuela—cont.		Puerto Cabello	3.285	WINDWARD IS.	
Carora	3.340	Puerto la Cruz	4.790	St. Georges,	
Ciudad Bolivar	4.900	Punta Fijo	4.770	Grenada	3.365
Coro	4.820	San Cristobal	3.263	" " "	5.980
"	4.950	" "	4.830	" " "	17.745
Cumana	4.960	San Felipe	4.860	" " "	17.805
El Tigre	3.255	Trujillo	3.295	YEMEN	
Maracaibo	3.275	Valencia	3.355	Sana'a	5.985
"	4.800	"	4.780	"	9.705
"	4.810	Valera	4.841	"	11.905
"	5.040			YUGOSLAVIA	
"	9.530			Belgrade	6.100
Maracay	2.240	WEST INDIES,		" - - - - -	6.150
"	2.440	BRITISH		"	7.200
"	3.395	Kingston,		"	9.505
Maturin	3.325	Jamaica	3.360	"	15.238
Merida	3.395	" "	4.950	"	

## U.K. Television Stations

Chan- nel	Frequency (Mc/s)		Vision e.r.p. (kW)	Pol- ar'n	
	Vision	Sound			
1	45.0	41.5	200	V	Crystal Palace, London
			12	H	Divis, N. Ireland
2	51.75	48.25	100	V	Holme Moss, Yorks.
			1-15	V	N. Hessary Tor, S. Devon
			1.5	H	Rosemarkie, Inverness.
			1	H	Londonderry, N. Ireland
3	56.75	53.25	0.3	V	Brighton (Temporary)
			100	V	Kirk o'Shotts, Lanarks.
			1-10	H	Tacolneston, Norwich
			1-32	V	Rowridge, Isle of Wight
4	61.75	58.25	1	H	Blaen Plwy, Cardigan.
			100	V	Sutton Coldfield, Warwicks.
			16	H	Sandale, Cumberland
			4-17	H	Meldrum, Aberdeen.
5	66.75	63.25	1	H	Jersey, Channel Islands
			100	V	Wenvoe, Glam.
			12	H	Pontop Pike, Durham
			1	V	Isle of Man
8	189.75	186.25	200	V	Lichfield, Staffs.
9	194.75	191.25	100	V	Winter Hill, Lancs.
			120	V	Croydon, London
10	199.75	196.25	10-200	V	Emley Moor, Yorks.
			65-475	V	Black Hill, Lanarks.
			100	V	St. Hilary, Glam.

Where a directional aerial is used both the minimum and maximum e.r.p. are given.

## V.H.F. Sound Transmitters in the U.K.

	Light (Mc/s)	Third (Mc/s)	Home (Mc/s)	e.r.p. (kW)
N. Hessary Tor, Devon ..	88.1	90.3	92.5	60
Sandale, Cumberland ..	88.1	90.3	92.5†	120
Sutton Coldfield, Warwicks. ..	88.3	90.5	94.7*	120
Pontop Pike, Co. Durham ..	88.5	90.7	92.7	60
Rowridge, Isle of Wight ..	88.5	90.7	92.9	60
Meldrum, Aberdeen. ..	88.7	90.9	93.1	60
Blaen Plwy, Cardigan. ..	88.7	90.9	93.1	60
Llangollen, Denbigh. ..	88.9	91.1	93.3	6
Wrotham, Kent ..	89.1	91.3	93.5	120
Holme Moss, Yorks. ..	89.3	91.5	93.7	120
Rosemarkie, Ross & Crom. ..	89.3	91.5	93.7	6
Llandona, Anglesey ..	89.6	91.8	94.0‡	2
Norwich ..	89.7	91.9	94.1	120
Wenvoe, Glam. ..	89.9	92.1§	94.3	120
Kirk o'Shotts, Lanarks. ..	89.9	92.1	94.3	120
Divis, N. Ireland ..	90.1	92.3	94.5	60

† Northern Home Service. \* Scottish Home Service.

§ Initially West of England Home Service.

‡ Frequency initially used by temporary station at Penmon.

## Standard Frequency Transmitters

kc/s	kW	Call	Station and Country	
2,500	—	OMR		Czechoslovakia
60	10	MSF	Rugby	Great Britain
2,500	0.5	MSF	Rugby	Great Britain
2,500	0.7	WWV	Beltsville	U.S.A.
5,000	0.5	MSF	Rugby	Great Britain
5,000	2	WWVH	Honolulu	Hawaii
5,000	0.3	IBF	Milan	Italy
5,000	1	JJY	Tokio	Japan
5,000	0.1	ZUO	Johannesburg	South Africa
5,000	8	WWV	Beltsville	U.S.A.
8,000	1	JJY	Tokio	Japan
10,000	0.5	MSF	Rugby	Great Britain
10,000	2	WWVH	Honolulu	Hawaii
10,000	9	WWV	Beltsville	U.S.A.
10,000	—	—	Moscow, Russia	U.S.S.R.
15,000	3	LOL	Buenos Aires	Argentina
15,000	2	WWVH	Honolulu	Hawaii
15,000	1	JJY	Tokio	Japan
15,000	9	WWV	Beltsville	U.S.A.
15,000	—	—	Moscow, Russia	U.S.S.R.
20,000	8.5	WWV	Beltsville	U.S.A.
25,000	0.1	WWV	Beltsville	U.S.A.

## International Allocation of Call Signs

The first character or the first two characters of a call sign indicates the nationality of the station using it.

AAA-ALZ	U.S.A.	HWA-HYZ	France and Colonies
AMA-AOZ	Spain	HZA-HZZ	Saudi Arabia
APA-ASZ	Pakistan	IAA-IZZ	Italy and Colonies
ATA-AWZ	India	JAA-JSZ	Japan
AXA-AXZ	Australia	JTA-JVZ	Mongolia
AYA-AZZ	Argentina	JWA-JXZ	Norway
BAA-BZZ	China	JYA-JYZ	Jordan
CAA-CEZ	Chile	JZA-JZZ	Neth. New Guinea
CFA-CKZ	Canada	KAA-KZZ	U.S.A.
CLA-CMZ	Cuba	LAA-LNZ	Norway
CNA-CNZ	Morocco	LOA-LWZ	Argentina
COA-COZ	Cuba	LXA-LXZ	Luxembourg
CPA-CPZ	Bolivia	LYA-LYZ	Lithuania
CQA-CRZ	Portuguese Colonies	LZA-LZZ	Bulgaria
CSA-CUZ	Portugal	MAA-MZZ	Great Britain
CVA-CXZ	Uruguay	NAA-NZZ	U.S.A.
CYA-CZZ	Canada	OAA-OCZ	Peru
DAA-DMZ	Germany	ODA-ODZ	Lebanon
DNA-DQZ	Belgian Congo	OEA-OEZ	Austria
DRA-DTZ	Byelorussia	OFA-OJZ	Finland
DUA-DZZ	Philippines	OKA-OMZ	Czechoslovakia
EAA-EHZ	Spain	ONA-OTZ	Belgium and Colonies
EIA-EJZ	Eire	OUA-OZZ	Denmark
EKA-EKZ	U.S.S.R.	PAA-PIZ	Netherlands
ELA-ELZ	Liberia	PJA-PJZ	Curacao
EMA-EOZ	U.S.S.R.	PKA-POZ	Netherlands Indies
EPA-EQZ	Persia	PPA-PYZ	Brazil
ERA-ERZ	U.S.S.R.	PZA-PZZ	Surinam
ESA-ESZ	Estonia	QAA-QZZ	(Service Abbreviations)
ETA-ETZ	Ethiopia	RAA-RZZ	U.S.S.R.
EUA-EZZ	U.S.S.R.	SAA-SMZ	Sweden
FAA-FZZ	France and Colonies	SNA-SRZ	Poland
GAA-GZZ	Great Britain	SSA-SSM	Egypt
HAA-HAZ	Hungary	SSN-STZ	Sudan
HBA-HBZ	Switzerland	SUA-SUZ	Egypt
HCA-HDZ	Ecuador	SVA-SZZ	Greece
HEA-HEZ	Switzerland	TAA-TCZ	Turkey
HFA-HFZ	Poland	TDA-TDZ	Guatemala
HGA-HGZ	Hungary	TEA-TEZ	Costa Rica
HHA-HHZ	Haiti	TFA-TFZ	Iceland
HIA-HIZ	Dominican Republic	TGA-TGZ	Guatemala
HJA-HKZ	Colombia	THA-THZ	France and Colonies
HLA-HMZ	Korea	TIA-TIZ	Costa Rica
HNA-HNZ	Iraq	TJA-TZZ	France and Colonies
HOA-HPZ	Panama	UAA-UQZ	U.S.S.R.
HQA-HRZ	Honduras Republic	URA-UTZ	Ukraine
HSA-HSZ	Siam	UUA-UZZ	U.S.S.R.
HTA-HTZ	Nicaragua	VAA-VGZ	Canada
HUA-HUZ	Salvador	VHA-VNA	Australia
HVA-HVZ	Vatican City	VOA-VOZ	Newfoundland

VPA-VSZ	British Colonies	3AA-3AZ	Monaco
VTA-VWZ	India	3BA-3FZ	Canada
VXA-VYZ	Canada	3GA-3GZ	Chile
VZA-VZZ	Australia	3HA-3UZ	China
WAA-WZZ	U.S.A.	3VA-3VZ	Tunisia
XAA-XIZ	Mexico	3WA-3WZ	Viet Nam
XJA-XOZ	Canada	3XA-3XZ	(Not Allocated)
XPA-XPZ	Denmark	3YA-3YZ	Norway
XQA-XRZ	Chile	3ZA-3ZZ	Poland
XSA-XSZ	China	4AA-4CZ	Mexico
XTA-XWZ	France and Colonies	4DA-4IZ	Philippines
XXA-XXZ	Portuguese Colonies	4JA-4LZ	U.S.S.R.
XYA-XZZ	Burma	4MA-4MZ	Venezuela
YAA-YAZ	Afghanistan	4NA-4OZ	Yugoslavia
YBA-YHZ	Netherlands Indies	4PA-4SZ	Ceylon
YIA-YIZ	Iraq	4TA-4TZ	Peru
YJA-YJZ	New Hebrides	4UA-4UZ	United Nations
YKA-YKZ	Syria	4VA-4VZ	Haiti
YLA-YLZ	Latvia	4WA-4WZ	Yemen
YMA-YMZ	Turkey	4XA-4XZ	Israel
YNA-YNZ	Nicaragua	4YA-4YZ	International Civil Aviation Organization (Not Allocated)
YOA-YRZ	Rumania	4ZA-4ZZ	Libya
YSA-YSZ	Salvador	5AA-5AZ	(Not Allocated)
YTA-YUZ	Yugoslavia	5BA-5BZ	(Not Allocated)
YVA-YYZ	Venezuela	5CA-5CZ	French Morocco
YZA-YZZ	Yugoslavia	5DA-5ZZ	(Not Allocated)
ZAA-ZAZ	Albania	6AA-6ZZ	(Not Allocated)
ZBA-ZJZ	British Colonies	7AA-7ZZ	(Not Allocated)
ZKA-ZMZ	New Zealand	8AA-8ZZ	(Not Allocated)
ZNA-ZOZ	British Colonies	9AA-9AZ	San Marino
ZPA-ZPZ	Paraguay	9BA-9JZ	(Not Allocated)
ZQA-ZQZ	British Colonies	9KA-9KZ	Kuwait
ZRA-ZUZ	South Africa	9LA-9MZ	(Not Allocated)
ZVA-ZZZ	Brazil	9NA-9NZ	Nepal
2AA-2ZZ	Great Britain		

## Wavelength and Frequency Conversion

There is a simple relationship between wavelength and frequency as both these quantities are determined by the velocity of propagation of radio waves through space; this relationship is

$$\text{Wavelength} = \frac{\text{Velocity}}{\text{Frequency}}; \text{ or } \text{Frequency} = \frac{\text{Velocity}}{\text{Wavelength}}$$

As the velocity of propagation in space is, in round figures, 300,000,000 metres per second, any of the quantities—metres, kilocycles or megacycles—are readily converted into the other forms by means of the following formulae:

$$\text{Metres} = \frac{\text{Kilocycles to Metres}}{\text{Frequency (kc/s)}} = \frac{300,000}{\text{Frequency (kc/s)}}$$

$$\text{kc/s} = \frac{\text{Metres to Kilocycles}}{\text{Wavelength (metres)}} = \frac{300,000}{\text{Wavelength (metres)}}$$

$$\text{Metres} = \frac{\text{Megacycles to Metres}}{\text{Frequency (Mc/s)}} = \frac{300}{\text{Frequency (Mc/s)}}$$

$$\text{Mc/s} = \frac{\text{Metres to Megacycles}}{\text{Wavelength (metres)}} = \frac{300}{\text{Wavelength (metres)}}$$



## Standard Time

Hours and minutes to be added to, or subtracted from, G.M.T. to find Standard or Legal Time in places mentioned elsewhere in the Guide.

Aden	+3	Denmark	+1
Afghanistan	+4.30	Dahomey	+1
Africa, French Eq.	+1	Dominican Republic	-5
"    Portuguese East	+2	Ecuador	-5
Albania	+1	Eire	0
Algeria	0	Egypt	+2
Andorra	+1	Ethiopia	+3
Angola	+1	Falkland Is.	-4
Argentina	-3	Fiji Is.	+12
Australia		Finland	+2
W. Australia	+8	Formosa	+8
Northern Territory,		France	+1
S. Australia	+9.30	Gambia	0
N.S.W., Queensland,		Germany, E. & W.	+1
Victoria	+10	Ghana	0
Austria	+1	Gibraltar	+1
Azores	-2	Goa	+5.30
Bali, Indonesia	+7.30	Greece	+2
Barbados	-4	Greenland	-3
Belgian Congo (West)	+1	Guatemala	-6
Belgium	+1	Guiana, British	-3.45
Bermuda	-4	"    Dutch	-3.30
Bolivia	-4	Guinea, French	0
Borneo		"    Portuguese	-1
Indonesian	+7.30	"    Spanish	-1
British N., Sarawak	+8	Haiti	-5
Brazil		Hawaii	-10
Eastern States	-3	Honduras, British	-6
Central States	-4	"    Republic	-6
Western States	-5	Hong Kong	+8
Bulgaria	+2	Hungary	+1
Burma	+6.30	Iceland	-1
Cameroons	+1	India	+5.30
Canada		Indo-China	+7
New Brunswick, Nova		Indonesia	
Scotia	-4	Sumatra, North	+6.30
Ontaria, Quebec	-5	Bali, Borneo (except	
Manitoba	-6	Brit. North), Java	+7.30
Alberta	-7	Sumatra, South	+7
Canary Is.	0	Celebes, Brit. N. Borneo	+8
Cape Verde Is.	-2	Moluccas	+8.30
Ceylon	+5.30	Iraq	+3
Chile	-4	Ireland	0
China	+8	Israel	+2
Colombia	-5	Italy	+1
Costa Rica	-6	Ivory Coast	0
Cuba	-5	Japan	+9
Curacao	-4.30	Jordan	+2
Cyprus	+2	Kenya	+3
Czechoslovakia	+1	Korea	+8.30

Kuwait	+3	Surinam	-3.3
Lebanon	+2	Sweden	+1
Liberia	-0.44	Switzerland	+1
Libya		Syria	+2
Cyrenaica	+2	Tahiti	-10
Tripolitania	+1	Tanganyika	+3
Luxembourg	+1	Tangier	0
Madagascar	+3	Trieste	+1
Malaya	+7.30	Turkey	+2
Martinique	-4	U.S.A.	
Mauritius	+4	Massachusetts, New Jersey,	
Mexico	-6	New York, Ohio	-5
Monaco	+1	California	-8
Morocco, French	0	U.S.S.R.	
"    Spanish	+1	Byelorussia, Estonia,	
Mozambique	+2	Karelia, Latvia,	
Nepal	+5.30	Lithuania, Moldavia,	
Netherlands	+1	Ukraine	+3
New Caledonia	+11	Armenia, Azerbaidjan,	
New Guinea, Dutch	+9.30	Georgia	+4
New Zealand	+12	Kazak W., Tadzhik,	
Nicaragua	-6	Turkmenia, Uzbek	+5
Nigeria	+1	Kazak E., Kirghiz	+6
Norway	+1	Russia	
Okinawa Island	+9	Kaliningrad, Krasnodar,	
Pakistan, E.	+6	Leningrad, Moscow,	
"    W.	+5	Murmansk, Rostov-on-Don,	
Panama	-5	Simferopol, Vladivostok,	
Paraguay	-4	Voronezh	+2
Persia	+3.30	Ivanovo	+3
Peru	-5	Blagoveshchensk	+4
Philippines	+8	Petropavlovsk	+5
Poland	+1	Krasnoyarsk,	
Portugal	0	Novosibirsk	+6
Reunion Island	+4	Ulan Ude	+7
Rhodesia, N. & S.	+2	Khabarovsk, Komsomolsk,	
Rumania	+2	Yakutsk	+9
St. Thomas Island	0	Magadan	+11
Salvador	-6	Uganda	+3
Saudi Arabia	3	Uruguay	-3
Senegal	0	Vatican City	+1
Siam	+7	Venezuela	-4.30
Sierra Leone	0	West Indies, British	
Somaliland, British	+3	Barbados, Bermuda,	
"    Italian	+3	Trinidad, Tobago	-4
South Africa	+2	Bahamas, Jamaica	-5
Spain	+1	Windward Islands	-4
Sudan	+2	Yugoslavia	+1

*Published for "Wireless World" by Iliffe & Sons, Ltd.,  
Dorset House, Stamford Street, London, S.E.1*

*Made and printed in England by Index Publishers Limited, Dunstable and London  
(Bks 2911)*

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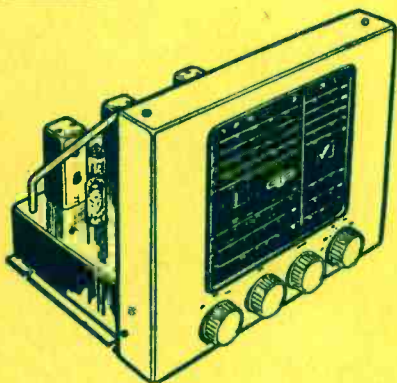


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