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***Guide to
Broadcasting
Stations***

COMPILED BY THE STAFF OF
"WIRELESS WORLD"

LONDON ILIFFE BOOKS LTD

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INTRODUCTION

The information given in this fifteenth edition of *Guide to Broadcasting Stations* has been completely revised and brought up to date although it must be remembered that some stations make frequent changes in operating characteristics.

Authorized and unauthorized long- and medium-wave stations operating in the European Broadcasting Area, which includes the western part of the U.S.S.R. and territories bordering the Mediterranean Sea, are listed both in order of frequency and geographically. The details have been checked against the latest information available from the European Broadcasting Union. We also include a list of some of the stations outside Europe which are heard under favourable conditions.

There are nearly 4,000 entries in the list giving frequencies, wavelengths and power of the world's broadcasting stations operating in the short-wave bands.

We are indebted to the B.B.C. for the list of frequency measurements made at its Tatsfield Station and against this we have checked the information given in the short-wave list.

In this edition we have included lists giving a selection of the more powerful European television stations and v.h.f. sound broadcasting stations. All British stations, irrespective of power, are included in both these lists.

Long- and Medium-wave European Stations

The Copenhagen Plan (1948) provided for the operation of long-wave and medium-wave broadcasting stations in 9-kc/s channels in the European Broadcasting Area. This area includes the western part of the U.S.S.R. and the territories bordering the Mediterranean Sea. Those parts of Arabia and Saudi Arabia which come within this area were however excluded from the Copenhagen Plan, but Iraq is included. 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 kc/s) are included in the geographical list only (page 18). Where a country is operating a number of stations of 1kW or less on the same frequency—but not necessarily synchronized—the abbreviation “L.P. Stations” is used in the frequency list but the stations are named in the geographical list. The station's operating power is given in column four; where, however, the power is variable (for instance, for day and night operation) the alternatives are given.

A list of abbreviations will be found in page 28.

Chan.	kc/s	Metres	kW	Station and Country	
—	151	1,987	50	Mainflingen (D.F.)	Germany (W.)
			50	Moscow, Russia	U.S.S.R.
1	155	1,935	10	Tromsø	Norway
			150	Brasov	Rumania
2	164	1,829	250/500	Allouis	France
3	173	1,734	100	Königswusterhausen	Germany (E.)
			500	Moscow, Russia	U.S.S.R.
—	180	1,667	1,000	Saarlouis (Europe No. 1)	
				Germany (W.)	
4	182	1,648	†	Reykjavik	Iceland
			10	Lulea	Sweden
			120	Ankara	Turkey
—	185	1,622	1,000	Rehmate, Berlin	Germany (E.)
5	191	1,571	600	Motala	Sweden
6	200	1,500	400	Droitwich, Worcs. (E & L)	U.K.
			—	Leningrad	U.S.S.R.
			100	Moscow, Russia	U.S.S.R.
7	209	1,435	100	Reykjavik	Iceland
			150	Kiev, Ukraine	U.S.S.R.
8	218	1,376	200	Oslo	Norway
			1,200	Monte Carlo	Monaco
9	227	1,322	500	Warsaw	Poland
—	233	1,288	600/1,100	Luxembourg	Luxembourg
10	236	1,271	100	Leningrad, Russia	U.S.S.R.
11	245	1,224	150	Kalundborg	Denmark
12	254	1,181	200	Lahti	Finland
13	263	1,141	20/150	Königswusterhausen	Germany (E.)
			150	Moscow, Russia	U.S.S.R.
14	272	1,103	200	Uherske Hradiste	Czechoslovakia

Chan.	kc/s	Metres	kW	Station and Country	
15	281	1,067	100	Minsk, Byelorussia	U.S.S.R.
—	385	779	—	Kharkov, Ukraine	U.S.S.R.
—	—	—	—	Moscow, Russia	U.S.S.R.
—	400	750	—	Orel, Russia	U.S.S.R.
X1	420	714·3	†	Minsk, Byelorussia	U.S.S.R.
X2	433	693	10	Ostersund	Sweden
X3	520	576·9	2	Oulu	Finland
			2	Aldrans	Austria
			2	Bludenz	Austria
			10	Lienz	Austria
			0·05	Murau	Austria
			1	Joensuu	Finland
			2	Brunswick (N.D.R.)	Germany (W.)
			4	L.P. Stations (B.R.)	Germany (W.)
			0·25	Röros	Norway
1	529	567·1	300	Air Beida	Algeria
			20	Schwerin	Germany (E.)
			150	Beromünster	Switzerland
2	539	556·6	135	Budapest	Hungary
			0·05	Bayonne	France
3	548	547·4	4	Colomb-Béchar	Algeria
			20	Bad Dürrhein (D.F.)	Germany (W.)
			600	Königsflutter (D.F.)	Germany (W.)
			5	Oviedo	Spain
			150	Leningrad, Russia	U.S.S.R.
			100	Odessa, Ukraine	U.S.S.R.
4	557	538·6	40	Abu Zaabal	Egypt
			100	Helsinki	Finland
			5	Greifswald	Germany (East)
			1	Faro	Portugal
			1	Guarda	Portugal
			4	Kherastrau	Rumania
			50	Monte Ceneri	Switzerland
5	566	530	—	7 L.P. Stations	Austria
			—	Sofia	Bulgaria
			100	Athlone	Eire
			20	Berlin (S.F.B.)	Germany (West)
			10	Caltanissetta	Italy
			5	Salento	Italy
			300	Homs	Syria
6	575	521·7	4	Laghouat	Algeria
			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	25	Klagenfurt	Austria
			0·05	Mayrhofen	Austria
			10	Salzburg	Austria
			150	Vienna	Austria
			5	Thorshavn	Faroe Is.
			1	Paris	France
			200	Madrid	Spain
8	593	505·9	200	Sofia	Bulgaria
			100	Frankfurt (H.R.)	Germany (West)
			20	Hoher Meissner (H.R.)	Germany (W.)

Chan.	kc/s	Metres	kW	Station and Country	
(8)	(593)	(505.9)	100	<i>Oujda</i>	<i>Morocco</i>
			150	Sundsvall	Sweden
9	602	498.3	300	Lyons	France
			20	<i>Karl Marx Stadt</i>	<i>Germany (East)</i>
			2	<i>Damascus</i>	<i>Syria</i>
			5	<i>Sfax</i>	<i>Tunisia</i>
—	606	495.9	20	<i>Nicosia</i>	<i>Cyprus</i>
10	611	491	1,000	<i>Berlin-Köpenik</i>	<i>Germany (E.)</i>
			10	<i>Grafenwöhr (A.F.N.)</i>	<i>Germany (W.)</i>
			10	<i>Kaiserslautern (A.F.N.)</i>	<i>Germany (W.)</i>
			10	<i>Nürnberg (A.F.N.)</i>	<i>Germany (W.)</i>
			140	Sebaa-Aioun	Morocco
			100	Petrozavodsk, Karelia	U.S.S.R.
			20	Krasnodar, Karelia	U.S.S.R.
			100	Sarajevo	Yugoslavia
11	620	483.9	150	Brussels	Belgium
			450	<i>Batra</i>	<i>Egypt</i>
			†	Moalatya	Turkey
12	629	476.9	25	<i>Aldrans</i>	<i>Austria</i>
			25	<i>Lauterach</i>	<i>Austria</i>
			1	<i>Lienz</i>	<i>Austria</i>
			20	<i>Erfurt</i>	<i>Germany (E.)</i>
			100	Vigra	Norway
			30	<i>Timisoara</i>	<i>Rumania</i>
			300/600	Tunis	Tunisia
13	638	470.2	150	Prague	Czechoslovakia
			100	<i>Limassol (B.B.C.)</i>	<i>Cyprus</i>
			20	<i>La Coruna</i>	<i>Spain</i>
14	647	463.7	1	<i>Lages</i>	<i>Azores</i>
			150	Crowborough, Sussex (E)	U.K.
			150	Daventry, Northants. (T)	U.K.
			2	Edinburgh, Midlothian (T)	U.K.
			2	Glasgow (T)	U.K.
			2	Newcastle, North'd (T)	U.K.
			7	Redmoss, Aberdeen (T)	U.K.
			100	Simferopol, Russia	U.S.S.R.
15	656	457.3	20	<i>Potsdam</i>	<i>Germany (E.)</i>
			100	<i>Tel Aviv</i>	<i>Israel</i>
			20	Bolzano	Italy
			80	Florence	Italy
			80	Naples	Italy
			35	Turin	Italy
			10	Venice	Italy
			150	Murmansk, Russia	U.S.S.R.
16	665	451.1	150	<i>Bodensee</i>	<i>Germany (W.)</i>
			5	<i>Athens</i>	<i>Greece</i>
			5	<i>Eidar</i>	<i>Iceland</i>
			5	<i>Hoefn</i>	<i>Iceland</i>
			50	<i>Damascus</i>	<i>Syria</i>
			100	Kaunus, Lithuania	U.S.S.R.
17	674	445.1	—	<i>8 L.P. Stations</i>	<i>Austria</i>
			150	Marseilles	France
			100	<i>El Beida</i>	<i>Libya</i>
			10	Bodö	Norway
			100	Chernovtsy, Ukraine	U.S.S.R.
—	677	443.1	200	<i>Jerusalem</i>	<i>Jordan</i>

Chan.	kc/s	Metres	kW	Station and Country	
18	683	439·2	100	Berlin (R.I.A.S.)	Germany (West)
			40	Hof (R.I.A.S.)	Germany (West)
			125/250	Seville	Spain
19	692	433·5	200	Belgrade	Yugoslavia
			20	Nicosia	Cyprus
			250	Wachenbrünn	Germany (E.)
			2	Cromer, Norfolk (H)	U.K.
			150	Moorside Edge, Yorks. (H)	U.K.
20	701	428	2	Whitehaven, Cumb. (H)	U.K.
			100	Banska Bystrica	Czechoslovakia
			2	Bratislava	Czechoslovakia
			2	Kosice	Czechoslovakia
			—	Usti-Laben	Czechoslovakia
			5	Aachen (W.D.R.)	Germany (West)
			2	Aurich (N.D.R.)	Germany (West)
			5	Flensburg (N.D.R.)	Germany (West)
			10	Hamburg (N.D.R.)	Germany (West)
			2	Herford (W.D.R.)	Germany (West)
			2	Lingen (N.D.R.)	Germany (West)
21	710	422·5	140	Sebaa-Aioun	Morocco
			20	Finnmark	Norway
			150	Istanbul	Turkey
			100	Abu Zaabal	Egypt
			150	Rennes	France
22	719	417·2	1	Jerusalem	Israel
			150	Donetsk, Ukraine	U.S.S.R.
			100	Limassol (B.B.C.)	Cyprus
			135	Holzkirchen (R.F.E.)	Germany (W.)
			50	Norte	Portugal
23	728	412·1	150	Ostersund	Sweden
			2	Aleppo	Syria
			25	Klagenfurt	Austria
24	737	407	250	Wöbbelin	Germany (East)
			150	Athens	Greece
			40	Hof (R.I.A.S.)	Germany (West)
25	746	402·1	5	Akureyri	Iceland
			200	Tel Aviv	Israel
			300	Poznan	Poland
			125/250	Barcelona	Spain
			30	Plovdiv	Bulgaria
26	755	397·3	20	Hoyerswerda	Germany (East)
			120	Hilversum	Netherlands
			20	Aleppo	Syria
			20	Kuopio	Finland
27	764	392·6	20	Ravensburg (D.F.)	Germany (W.)
			135	Lisbon	Portugal
			130	Timisoara	Rumania
			300	Hurriyah	Iraq
—	774	388·4	150	Sottens	Switzerland
			10	Odessa, Ukraine	U.S.S.R.
			—	Radio 390	At sea off U.K.
28	773	388·1	—	9 L.P. Stations	Austria
			30	Stolnik	Bulgaria
			200	Abu Zaabal	Egypt
			25	San Sebastian	Spain
			2	Malmberget	Sweden

Chan.	kc/s	Metres	kW	Station and Country	
(28)	(773)	(388·1)	150	Stockholm	Sweden
29	782	383·6	250	Burg	Germany (East)
			100	<i>Oporto-Miramar</i>	<i>Portugal</i>
			100	Kiev, Ukraine	U.S.S.R.
			1	<i>Vatican City</i>	<i>Vatican State</i>
—	784	383·6	30	<i>Tartus</i>	<i>Syria</i>
30	791	379·2	100	Limoges	France
			50	Salonika (V.o.A.)	Greece
31	800	375	100	<i>Munich (B.R.)</i>	<i>Germany (West)</i>
			100	<i>Anman</i>	<i>Jordan</i>
			0·25	<i>Regua</i>	<i>Portugal</i>
			100	Leningrad, Russia	U.S.S.R.
32	809	370·8	5	<i>Madrid EAJ7</i>	<i>Spain</i>
			20	<i>Seville EAJ5</i>	<i>Spain</i>
			100	Burghead, Moray (H)	U.K.
			2	Dumfries (H)	U.K.
			5	Redmoss, Aberdeen (H)	U.K.
			100	Westerglen, Stirling (H)	U.K.
			135	Skopje	Yugoslavia
33	818	366·7	600	<i>Andorra</i>	<i>Andorra</i>
			450	<i>Batra</i>	<i>Egypt</i>
			10	<i>Trieste</i>	<i>Italy</i>
			1	<i>Casablanca</i>	<i>Morocco</i>
			300	Warsaw	Poland
34	827	362·8	100	Sofia	Bulgaria
			3	<i>Baden Baden (S.W.F.)</i>	<i>Germany (W.)</i>
			40	<i>Freiburg (S.W.F.)</i>	<i>Germany (W.)</i>
			3	<i>Kaiserslautern (S.W.F.)</i>	<i>Germany (W.)</i>
			0·5	<i>Koblenz (S.W.F.)</i>	<i>Germany (W.)</i>
			3	<i>Trier (S.W.F.)</i>	<i>Germany (W.)</i>
			2	<i>Oujda</i>	<i>Morocco</i>
			10	<i>Barcelona EAJ1</i>	<i>Spain</i>
—	833	360·1	2	<i>Benghazi (B.F.N.)</i>	<i>Libya</i>
35	836	358·9	10	<i>Ylivieska</i>	<i>Finland</i>
			150	Nancy	France
			100	Beirut	Lebanon
			100	Kharkov, Ukraine	U.S.S.R.
			—	<i>Vinnitsa, Ukraine</i>	<i>U.S.S.R.</i>
36	845	355	1	<i>Safad</i>	<i>Israel</i>
			150	Rome	Italy
			12	<i>Madrid EAJ2</i>	<i>Spain</i>
			50	<i>Britain Radio</i>	<i>At sea off U.K.</i>
—	850	352·9	0·025	<i>Adana (A.F.N.)</i>	<i>Turkey</i>
37	854	351·3	20	<i>Berlin (R.I.A.S.)</i>	<i>Germany (W.)</i>
			150	Bucharest	Rumania
			12	<i>Murcia RNE</i>	<i>Spain</i>
38	863	347·6	30	<i>Blagaevgrad</i>	<i>Bulgaria</i>
			300	Paris	France
			10	<i>Damascus</i>	<i>Syria</i>
39	872	344	50	<i>Cairo</i>	<i>Egypt</i>
			150	<i>Frankfurt (A.F.N.)</i>	<i>Germany (West)</i>
			36	<i>Budapest</i>	<i>Hungary</i>
			30	<i>Zaragoza EAJ101</i>	<i>Spain</i>
			150	Moscow, Russia	U.S.S.R.
40	881	340·5	100	<i>Königswusterhausen</i>	<i>Germany (E.)</i>

Chan.	kc/s	Metres	kW	Station and Country	
(40)	(881)	(340.5)	8	Penmon, Anglesey (H)	U.K.
			5	Towyn, Merioneth. (H)	U.K.
			100	Washford, Somerset (H)	U.K.
			2	Wrexham, Denbigh. (H)	U.K.
—	887	338.2	20	Titograd	Yugoslavia
			15	Avila ECS3	Spain
41	890	337.1	200	Algiers	Algeria
			15	Linz	Austria
			20	Bergen	Norway
			20	Kristiansand	Norway
			20	Trøndelag	Norway
			20	Ouchgorod, Ukraine	U.S.S.R.
42	899	333.7	150	Milan	Italy
43	908	330.4	250	Burg	Germany (East)
			200	Thourah	Iraq
			7	Miercurea	Rumania
—	915	327.3	140	Brookmans Park, London (H)	U.K.
			2	Paphos	Cyprus
44	917	327.2	20	Reichenbach	Germany (East)
			1	Rabat	Morocco
			5	Tetuan	Morocco
			12	Madrid	Spain
			135	Ljubljana	Yugoslavia
45	926	324	150	Brussels	Belgium
			10	Giza	Egypt
—	927	923.6	10	Nis	Yugoslavia
46	935	320.9	10	Berlin (A.F.N.)	Germany (West)
			250	Burg	Germany (East)
			100	Agadir	Morocco
			20	Sebaa-Aioun	Morocco
			100	Lwow, Ukraine	U.S.S.R.
47	944	317.8	100	Toulouse	France
			100	Rostov-on-Don, Russia	U.S.S.R.
48	953	314.8	150	Brno	Czechoslovakia
			15	Plzen	Czechoslovakia
			20	Madrid EAJ29	Spain
—	956	313.9	30	Deir-el-Zor	Syria
49	962	311.9	—	4 L.P. Stations	Austria
			100	Turku	Finland
			5	Paris	France
			20/120	Tunis	Tunisia
			2	Istanbul	Turkey
50	971	309	5	Göttingen (N.D.R.)	Germany (W.)
			300/100	Hamburg (N.D.R.)	Germany (W.)
			100	Langenberg (W.D.R.)	Germany (W.)
51	980	306.1	†	Izmir	Turkey
			20	Smolensk	U.S.S.R.
			200	Algiers	Algeria
			2.5	Trieste	Italy
			150	Göteborg	Sweden
52	989	303.3	—	Radio Invicta	At sea off U.K.
			†	Rovaniemi	Finland
			300	Berlin (R.I.A.S.)	Germany (West)
			10	Beirut	Lebanon
			50	Majadahonda	Spain

Chan.	kc/s	Metres	kW	Station and Country				
—	990	303.3	1	Tripoli (A.F.N.)	Libya			
53	998	300.6	140	Andorra	Andorra			
			0.2	Buchen (S.D.R.)	Germany (West)			
			10	Heidelberg (S.D.R.)	Germany (West)			
54	1,007	297.9	100	Kishinev, Moldavia	U.S.S.R.			
			50	Kerkyra, Corfu	Greece			
			120	Hilversum	Netherlands			
			6	Malaga	Spain			
55	1,016	295.3	†	Aleppo	Syria			
			300	Wolfsheim (S.W.F.)	Germany (W.)			
			1	Tangier	Morocco			
56	1,025	292.7	†	Istanbul	Turkey			
			100	Graz-Dobl	Austria			
			10	Lauterach	Austria			
			100	Linz-Kronstorf	Austria			
			5	MariaPfarr	Austria			
			—	7 L.P. Stations	Austria			
			100	Tel Aviv	Israel			
			1	Rabat	Morocco			
			1	Safi	Morocco			
			5	Barcelona	Spain			
—	1,033	290.4	5	San Sebastian EAJ8	Spain			
57	1,034	290.1	2	Izmir	Turkey			
			—	2 L.P. Stations (A.F.N.)	Germany (W.)			
			10	Genoa	Italy			
			20	Milan	Italy			
			25	Naples	Italy			
			5	Pescara	Italy			
			20	San Remo	Italy			
			25	Venice	Italy			
			20	Parede	Portugal			
			10	Radio City	At sea off U.K.			
			100	Tallinn, Estonia	U.S.S.R.			
			58	1,043	287.6	240	Dresden	Germany (East)
						5	Salonika	Greece
			59	1,052	285.2	25	Sebaa-Aioun	Morocco
						—	7 L.P. Stations	Austria
						20	Suhl	Germany (East)
						2	Tripoli	Libya
20	Tetuan	Morocco						
40	Bacau	Rumania						
2	Leon EOP25	Spain						
2	Barnstaple, Devon (H)	U.K.						
60	1,061	282.8	120	Start Point, Devon (H)	U.K.			
			60	Kalundborg	Denmark			
			20	Cagliari	Italy			
			1	Livorno	Italy			
—	1,065	281.6	50	Norte	Portugal			
			2	Ankara	Turkey			
61	1,070	280.4	100	Paris	France			
			20	Dniepropetrovsk, Ukraine	U.S.S.R.			
62	1,079	278	1	Souk Ahras	Algeria			
			20	Plauen	Germany (East)			
			2	Bremerhaven (R.B.)	Germany (W.)			
			60	Katowice	Poland			

Chan.	kc/s	Metres	kW	Station and Country				
(62)	(1,079)	(278)	5	Oviedo EFE22	Spain			
			25	Valencia	Spain			
63	1,088	275.7	50	Tirana	Albania			
			0.05	Schruns	Austria			
			150	Droitwich, Worcs. (H)	U.K.			
64	1,097	273.5	7.5	Norwich, Norfolk (H)	U.K.			
			150	Bratislava	Czechoslovakia			
			0.5	Haiifa	Israel			
			2	Albacete EOP46	Spain			
			2	Astorga EOP48	Spain			
			2	Lerida EOP15	Spain			
			20	Madrid EFE14	Spain			
65	1,106	271.2	2	Seville	Spain			
			100	Munich (A.F.N.)	Germany (W.)			
			2	Madrid EFJ1	Spain			
			2	Malaga EFJ56	Spain			
			100	Vilna, Lithuania	U.S.S.R.			
			66	1,115	269.1	2	Aosta	Italy
						40	Bari	Italy
50	Bologna	Italy						
5	Messina	Italy						
10	Pisa	Italy						
2	Trieste	Italy						
10	Tangier	Morocco						
—	Sync. Network	Norway						
—	Radio 270	At sea off U.K.						
—	Kaliningrad, Russia	U.S.S.R.						
67	1,124	266.9				14	L. P. Stations	Austria
						10	Houdeng	Belgium
						10	Marche	Belgium
			10	Varna	Bulgaria			
			3	Barcelona EAJ15	Spain			
			20	Leningrad, Russia	U.S.S.R.			
			7	Oradea	Rumania			
68	1,125	266.7	7	Oradea	Rumania			
	1,133	264.8	2	Bilbao EAJ28	Spain			
69	1,142	262.7	2	Jaen ECS69	Spain			
			2	Vigo EFE31	Spain			
			2	Adana	Turkey			
			50	Hvar	Yugoslavia			
			20	Rijeka	Yugoslavia			
			50	Split	Yugoslavia			
			2	Zadar	Yugoslavia			
			135	Zagreb	Yugoslavia			
			50	Radio London	At sea off U.K.			
			20	Constantine	Algeria			
70	1,151	260.6	40	Oran	Algeria			
			—	7 L.P. Stations	Austria			
			5	Bremerhaven (A.F.N.)	Germany (W.)			
			100	Stuttgart (A.F.N.)	Germany (W.)			
			—	5 L.P. Stations	Germany (W.)			
			20	Kaliningrad, Russia	U.S.S.R.			
			1	Marrakech	Morocco			
70	1,151	260.6	50	Cluj	Rumania			
			0.5	Valencia EAK5	Spain			
			2	Scarborough, Yorks. (H)	U.K.			
			100	Stagshaw, North'd (H)	U.K.			

Chan.	kc/s	Metres	kW	Station and Country	
71	1,160	258·6	30	Kardzali	Bulgaria
			150	Strasbourg	France
			2	Antequera EAJ26	Spain
72	1,169	256·6	5	Toledo EAJ49	Spain
			10	Heilbronn (S.D.R.)	Germany (West)
			5	Ulm (S.D.R.)	Germany (West)
			10	Salonika	Greece
			1	Jerusalem	Israel
			10	Oporto	Portugal
73	1,178	254·7	150	Kiev, Ukraine	U.S.S.R.
			6	Koper	Yugoslavia
			2	Barcelona	Spain
—	1,182	253·9	10	Dalimara Point	Malta
			100	Hörby	Sweden
74	1,187	252·7	2	Cadiz EFJ5	Spain
			135	Szolnok	Hungary
			1	Casablanca	Morocco
			5	Cuenca EFJ54	Spain
—	1,193	251·5	50	Radio Caroline S.	At sea off U.K.
			2	Albacete EFJ23	Spain
75	1,196	250·8	300	Munich (V.o.A.)	Germany (West)
			†	Kerkyra	Greece
			†	Agadir	Morocco
76	1,205	249	1	Portalegre	Portugal
			100	Bordeaux	France
			10	Haifa	Israel
			60	Cracow	Poland
			60	Rzeszow	Poland
77	1,214	247·1	†	Punta Delgada	Azores
			60	Brookmans Park, London (L)	U.K.
			20	Burghead, Moray (L)	U.K.
			10	Lisnagarvey, N. Ireland (L)	U.K.
			0·25	Londonderry, N. Ireland (L)	U.K.
			58	Moorside Edge, Yorks. (L)	U.K.
			2	Newcastle, North'd (L)	U.K.
			0·25	Plymouth, Devon (L)	U.K.
			2	Redmoss, Aberdeen (L)	U.K.
			2	Redruth, Cornwall (L)	U.K.
			50	Westerglen, Stirling (L)	U.K.
			20	Kursk, Russia	U.S.S.R.
			5	Tallinn, Estonia	U.S.S.R.
—	1,216	246·7	0·2	Korce	Albania
			30	Stara Zagora	Bulgaria
78	1,223	245·3	15	Cordoba EFE58	Spain
			100	Falun	Sweden
			100	Kosice	Czechoslovakia
79	1,232	243·5	2	Hradec Karlove	Czechoslovakia
			2	Orava	Czechoslovakia
			50	Tangier	Morocco
80	1,241	241·7	25	Vaasa	Finland
			20	Brest	France
			20	Lille	France
			20	Lyons	France
			20	Marseilles	France
			20	Nancy	France
			20	Nice	France

Chan.	kc/s	Metres	kW	Station and Country	
(80)	(1,241)	(241.7)	20	Rennes	France
			—	Kiev, Ukraine	U.S.S.R.
			0.05	Radlje	Yugoslavia
	1,242	241.5	2	Gaziantep	Turkey
81	1,250	240	†	2 Stations	Egypt
			5	Cork	Eire
			5	Dublin	Eire
			135	Balatonzabadi	Hungary
			10	Lopik	Netherlands
			—	Radio Scotland	At sea off U.K.
82	1,259	238.3	150	" Courier " (V.o.A.)	At sea off Greece
			50	Wroclaw	Poland
			30	Zielona Gora	Poland
			5	Valencia EAJ3	Spain
83	1,268	236.6	2	Oviedo EAJ19	Spain
			84	Novi Sad	Yugoslavia
	1,272	236.2	0.4	Gjinocaster	Albania
84	1,277	234.9	100	Strasbourg	France
			20	San Sebastian EAK44	Spain
	1,282	234.1	—	Radio Tower	At sea off U.K.
85	1,286	233.3	100	Prague	Czechoslovakia
			7.5	Tel Aviv	Israel
			2	Lisbon	Portugal
86	1,295	231.7	30	Kolarovgrad	Bulgaria
			5	Berlin (B.B.C.)	Germany (W.)
			1	Rabat	Morocco
			2	La Coruna EAJ41	Spain
			2	Antalya	Turkey
			150	Crowborough, Sussex (E.)	U.K.
			—	Radio Manx	At sea off U.K.
87	1,304	230.1	30	Constantine	Algeria
			40	Oran	Algeria
			—	6 L.P. (A.F.N.)	Germany (W.)
			—	Baghdad	Iraq
			1	Haifa	Israel
			60	Gdansk	Poland
			160	Stettin	Poland
			2	Bilbao EOP13	Spain
			2	Zamora EAK26	Spain
88	1,313	228.4	—	13 L.P. Stations	Austria
			20	Athens	Greece
			100	Stavanger	Norway
			2	Constanza	Rumania
			2	Badalona EAJ39	Spain
			2	Salamanca EAJ56	Spain
89	1,322	226.9	150	Leipzig	Germany (East)
			1	Safi	Morocco
			0.15	Santarem	Portugal
			2	Aviles EAK91	Spain
			2	Pamplona	Spain
			2	Zaragoza EAK6	Spain
			50	Radio England	At sea off U.K.
90	1,331	225.4	100	Kharkov, Ukraine	U.S.S.R.
			2	Aosta	Italy
			20	Bari	Italy

Chan.	kc/s	Metres	kW	Station and Country				
(90)	1,331	(225·4)	25	Bologna	Italy			
			2	Catania	Italy			
			50	Genoa	Italy			
			12·5	Palermo	Italy			
			25	Pescara	Italy			
			80	Rome	Italy			
			1	Trento	Italy			
			1	Udine	Italy			
			20	Tallinn, Estonia	U.S.S.R.			
			†	Alexandria	Egypt			
91	1,340	223·9	25	Nyiregyhaza	Hungary			
			15	Pecs	Hungary			
			25	Szombathely	Hungary			
			100	Lisnagarvey, N. Ireland (H)	U.K.			
			5	Londonderry, N. Ireland (H)	U.K.			
			20	Bordeaux	France			
92	1,349	222·4	20	Grenoble	France			
			20	Limoges	France			
			10	Nantes	France			
			20	Toulouse	France			
			0·5	Gyor	Hungary			
			20	Kuldiga, Latvia	U.S.S.R.			
			20	Modona, Latvia	U.S.S.R.			
			10	Radio Essex	At sea off U.K.			
			—	1,353	221·9	1	Tirana	Albania
						200	Berlin-Köpenick	Germany (E.)
93	1,358	220·9	20	Bremen (R.B.)	Germany (W.)			
			1	Eilat	Israel			
94	1,367	219·5	1	Viseu	Portugal			
			†	Thorshavn	Faroe Is.			
			2	Florence	Italy			
			10	Genoa	Italy			
			10	Milan	Italy			
			12·5	Naples	Italy			
			2	Palermo	Italy			
			5	Rome	Italy			
			2	Sassari	Italy			
			5	Turin	Italy			
			25	Venice	Italy			
			2	Verona	Italy			
			—	6 L.P. Stations	Italy			
			30	Bialystok	Poland			
			50	Lodz	Poland			
			60	Lublin	Poland			
			10	Oporto	Portugal			
			3	Ciudad Real ECS44	Spain			
			2	Reus EAJ11	Spain			
			—	4 L.P. Stations	Switzerland			
95	1,376	218	150	Lille	France			
			2	Cordoba EAJ24	Spain			
—	1,384	216·7	2	Granada EFE45	Spain			
96	1,385	216·6	50	Athens	Greece			
			1	Valladolid EFE1	Spain			
—	1,390	215·8	150	Kaunas, Lithuania	U.S.S.R.			
			5	Badajoz EFE38	Spain			
97	1,394	215·2	25	Graz	Austria			

Chan.	kc/s	Metres	kW	Station and Country				
(97)	(1,394)	(215·2)	—	13 L.P. Stations	Austria			
			1	<i>Angro do Heroismo</i>	Azores			
			—	3 L.P. Stations (A.F.N.)	Germany (W.)			
98	1,403	213·8	†	Rhodes Island	Greece			
			7·5	<i>Tripoli (B.F.N.)</i>	Libya			
			—	Sync. Network	Sweden			
			2	<i>Almeria EAJ60</i>	Spain			
			20	Brest	France			
			20	Clermont	France			
			10	Montpellier	France			
			20	Nice	France			
			20	Pau	France			
			20	Rouen	France			
			5	Komotini	Greece			
			2	<i>Castellon EAJ14</i>	Spain			
			2	<i>Vigo EAJ48</i>	Spain			
			20	Tartu, Estonia	U.S.S.R.			
			99	1,412	212·4	2	<i>Ceuta EAJ46</i>	Spain
2	<i>Helsinki</i>	Finland						
100	1,421	211·1	0·4	<i>Turku</i>	Finland			
			3	<i>Bad Mergentheim (S.D.R.)</i>	Germany (West)			
			—	5 L.P. Stations	Iceland			
			2	<i>Gandia EAJ23</i>	Spain			
			2	<i>Granada EAJ16</i>	Spain			
			2	<i>Jaen EAJ61</i>	Spain			
			20	Gospic	Yugoslavia			
			2	Maribor	Yugoslavia			
			2	Osijek	Yugoslavia			
			100	Pristina	Yugoslavia			
			2	Split	Yugoslavia			
			2	<i>Zamora</i>	Spain			
			40	<i>Algiers</i>	Algeria			
			7·5	<i>Zyvi (B.F.N.)</i>	Cyprus			
			1	<i>Tampere</i>	Finland			
300	Saarbrücken	Germany (W.)						
101	1,430	209·8	0·05	Sfax	Tunisia			
			10	Riga, Latvia	U.S.S.R.			
			1	<i>Halfaya (B.F.N.)</i>	Malta			
			2	<i>Baia Mare</i>	Rumania			
			†	Girocastro	Albania			
			10	Herstedvester	Denmark			
			70	Skive	Denmark			
			—	<i>Berlin-Köpenick</i>	Germany (E.)			
			2	Sabadell EAJ20	Spain			
			2·5	<i>Pyrgos</i>	Greece			
			102	1,439	208·5	7·5	<i>Nicosia (B.F.N.)</i>	Cyprus
						350	Luxembourg	Luxembourg
						2	<i>Gospic</i>	Yugoslavia
			103	1,448	207·2	5	Ancona	Italy
						5	Catania	Italy
5	Florence	Italy						
12·5	Palermo	Italy						
9	Salento	Italy						
5	Sassari	Italy						

Chan.	kc/s	Metres	kW	Station and Country	
(103)	(1,448)	(207·2)	20	Turin	Italy
			2	Udine	Italy
			2	Verona	Italy
			—	27 L.P. Stations	Italy
			1	Coimbra	Portugal
			—	Sync. Network	Sweden
	1,453	206·5	2	Gerona ECS14	Spain
104	1,457	205·9	—	3 L.P. Stations	Austria
			0·05	Caramulo	Portugal
			20	Craiova	Rumania
			2	Vitoria EAJ62	Spain
			10	Bartley, Hants. (H)	U.K.
			2	Bexhill, Sussex (H)	U.K.
			2	Brighton, Sussex (H)	U.K.
			20	Clevedon, Somerset (H)	U.K.
			1	Folkestone, Kent (H)	U.K.
			2	Redruth, Cornwall (H)	U.K.
105	1,466	204·6	400	Monte Carlo	Monaco
			—	Sync. Network	Norway
	1,472	203·8	2	Gijon EAJ34	Spain
106	1,475	203·4	150	Vienna	Austria
			—	3 L.P. Stations	Austria
			1	Funchal	Madeira
			2	Huesca EAJ22	Spain
			2	Valladolid EAJ47	Spain
107	1,484	202·2	—	International Common Frequency	
	1,490	201·3	2	Manresa EAJ51	Spain
108	1,493	200·9	—	4 L.P. Stations	Austria
			5	Gomel	Bulgaria
			—	Sync. Network	France
			5	Rhodes Island	Greece
			50	Radio Caroline	At sea off U.K.
			—	Leningrad, Russia	U.S.S.R.
	1,496	200·6	0·02	Guarda	Portugal
	1,500	200	0·05	Lages (A.F.N.)	Azores
109	1,502	199·7	0·4	Münster (W.D.R.)	Germany (W.)
			—	5 L.P. Stns. (A.F.N.)	Germany (W.)
			300	Warsaw	Poland
			†	Zaragoza	Spain
			0·05	Slovenj Gradec	Yugoslavia
	1,510	198·9	—	4 L.P. Stations	Iceland
110	1,511	198·5	20	Brussels	Belgium
			150	Berlin-Köpenick	Germany (E.)
			5	Khania, Crete	Greece
			0·5	Patras	Greece
			2	Lerida EAJ42	Spain
			2	Murcia EAJ17	Spain
111	1,520	197·4	5	Ceske-Budejovice	Czechoslovakia
			2	Liberec	Czechoslovakia
			30	Ostrava	Czechoslovakia
			20	Prague	Czechoslovakia
			15	Vary	Czechoslovakia
			0·02	Reydarfjörður	Iceland
			2	Cabra ECS12	Spain
			—	Radio Caroline N.	At sea off U.K.
	1,522	197·1	2	Gerona EAJ38	Spain

Chan.	kc/s	Metres	kW	Station and Country	
112	1,529	196·2	0·3	Funchal	Madeira
			0·07	Porjus	Sweden
113	1,538	195·1	120	Vatican City	Vatican State
			600	Mainflingen (D.F.)	Germany (W.)
—	1,545	194·2	†	Sync. Network	Spain
			5	Seelow	Germany (E.)
114	1,546	194·1	0·02	Stöðvarfjörður	Iceland
			—	4 L.P. Stations	Austria
115	1,554	193·1	—	13 L.P. Stations (T)	U.K.
			5	Vinnitza, Ukraine	U.S.S.R.
—	1,165	192	150/250	Nice	France
			†	U.S. Forces	Germany (West)
116	1,562	192·1	20	Baranovitchi, Byelorussia	U.S.S.R.
			0·8	Amaliada	Greece
—	1,572	190·7	1	Covilha	Portugal
			—	Sync. Network	Sweden
117	1,570	191·1	—	Sync. Network	Switzerland
			10	Radio Veronica	At sea off Netherlands
—	1,578	190·1	0·05	Brczice	Yugoslavia
			5	Michelet	Algeria
118	1,578	190·1	1	Santa Maria Aero	Azores
			20	Bernburg	Germany (East)
—	1,586	189·1	5	Kiel (N.D.R.)	Germany (W.)
			0·25	Iraklion (A.F.N.)	Greece
119	1,586	189·1	2	Tarragona EFE33	Spain
			†	Sfax	Tunisia
120	1,594	188·2	2	Tarrega ECS7	Spain
			—	Sync. Network	Italy
121	1,602	187·3	10	Fredrikstad	Norway
			2	Nordkapp	Norway
—	1,602	187·3	10	Oporto	Portugal
			5	Bonn (W.D.R.)	Germany (W.)
120	1,594	188·2	40	Hanover (N.D.R.)	Germany (W.)
			3	Kleve (W.D.R.)	Germany (W.)
121	1,602	187·3	40	Oldenburgh (N.D.R.)	Germany (W.)
			5	Osnabrück (N.D.R.)	Germany (W.)
—	1,602	187·3	†	Sync. Network	Spain
			—	International Common Frequency	
120	1,594	188·2	20	Kirchheim (B.R.)	Germany (West)
			20	Landau (B.R.)	Germany (West)
—	1,602	187·3	20/40	Nüremberg (B.R.)	Germany (West)
			—	3 L.P. Stations (B.R.)	Germany (West)
—	1,602	187·3	†	Sync. Network	Norway
			†	Sync. Network	Portugal

Geographical List of Long- and Medium-wave European Stations

	kc/s		kc/s
ALBANIA			
Gjinocaster	1,272	Feldkirchen	1,594
Korce	1,216	Friesach	1,313
Tirana	1,088	Gloggnitz	674
		Gmünd	1,052
ALGERIA			1,394
Ain Beida	529	Gmünd-Karten	1,124
Algiers	890	Graz	1,394
	980	Graz-Dobl	1,025
	1,421	Greifenburg	566
Bône	1,484	Gyor	1,340
Bougie	1,594	Hallstadt	1,313
Colomb-Béchar	548	Haslach	1,313
Constantine	1,142	Hermagor	773
	1,304		1,025
Laghouat	575	Hof-Gastein	1,124
Michelet	1,570	Hopfgarten	1,052
Oran	1,142		1,394
	1,304	Imst	1,124
Souk Ahras	1,079	Judenburg	1,124
Tlemcen	1,421	Kindberg	1,313
		Kitzbühel	1,025
ANDORRA			1,493
Andorra	818	Klagenfurt	584
	998		728
AUSTRIA		Knittelfeld	1,313
Abtenau	1,142	Kötschach	1,124
	1,546	Krems	1,052
Achenkirch	1,025	Kufstein	1,124
	1,394	Landeck	1,142
Admont	1,394		1,493
Aigen	674	Längenfeld	1,052
Aldrans	520		1,394
	629	Lauterach	629
Amstetten	1,457		1,025
Bad-Aussee	1,142	Lend	773
	1,546	Leoben	773
Bad Goisern	1,052	Lienz	520
	1,394		629
Bad-Ischl	566	Liezen	1,313
Bad St. Leonhard	773	Linz	890
Bischofshofen	674	Linz-Kronstorf	1,025
Bleiburg	674	Maria Pfarr	566
Bludenz	520		1,313
	1,394	Mariazell	773
Braunau-Inn	1,594	Matrei	674
Bruck a.d. Mur	1,124	Mayrhofen	584
Ehrwald	962		1,124
	1,313	Mittersill	773
Eisenerz	962	Mühlbach	566
	1,124		1,025
Eisenkappel	1,025	Murau	520
	1,394		1,313
Feistritz-Drau	566		

	kc/s		kc/s
Austria—cont.			
Mürzzuschlag	1,124	BELGIUM	
Neuberg	1,142	Brussels	620
	1,394		926
Neukirchen	566		1,511
	962	Houdeng	1,124
	1,052	Kortrijk	1,484
Neumarkt	674	Liege	1,484
	962	Marche	1,124
Oberdrauburg	773	Ostend	1,594
Obervellach	1,124		
Oberwölz	1,052	BULGARIA	
	1,394	Blagaevgrad	863
Oetz	1,313	Gomel	1,493
Radentheim	674	Kandzali	1,160
Radstadt	566	Kolarovgrad	1,295
Reutte	1,142	Plovdiv	746
	1,493	Sofia	566
Ried-Innkreis	674		593
Rottenmann	1,124		827
Saalfelden	1,142		1,484
	1,475	Stara Zagora	1,223
St. Michael-im-Lunggau	773	Stolnik	773
St. Pölten	1,484	Varna	1,124
Salzburg	584		
	773	CYPRUS	
Scheifling	1,142	Limassol (B.B.C.)	638
	1,546		719
Schruns	1,088	Limassol	1,484
	1,457	Nicosia	606
Schwarzach	1,475		692
Sillian	1,546	Nicosia (B.F.N.)	1,439
Spittal-Drau	1,394	Paphos	915
Szolnok	1,344	Zyyi (B.B.C.)	1,421
Tamsweg	1,124		
Trieben	1,313	CZECHOSLOVAKIA	
Vienna	584	Banska Bystrica	701
	1,475	Bratislava	701
Villach	1,124		1,097
Völkermarkt	1,313	Brno	953
Wiener Neustadt	1,457	Ceske-Budejovice	953
Windischgarsten	1,475		1,520
Wolfsberg	1,313	Gottwaldov	1,484
Wörgl	1,475	Hradec-Karlove	1,232
Zell-am-See	1,394	Jihlava	1,484
Zell am Ziller	1,025	Karlovy-Vary	1,520
	1,394	Komarov	1,484
Zwettl	1,594	Kosice	701
			1,232
		Liberec	1,520
		Olomouc	1,594
		Orava	1,232
AZORES		Ostrava	1,484
Angra do Heroismo	1,394		1,520
Lages	647	Plzen	953
	1,500	Prague	638
Santa Maria Aero	1,570		1,286

	kc/s		kc/s
Czechoslovakia—cont.			
Prague	1,520	Bordeaux	1,205
Rimavska Sobota	1,484		1,349
Tatry	1,594	Brest	1,241
Uherske Hradiste	272		1,403
Usti-Laben	701	Caen	1,484
	1,484	Clermont	1,403
Zilina	1,594	Colmar	1,484
		Dijon	1,484
DENMARK		Grenoble	1,349
Aalborg	1,484		1,484
Esbjerg	1,594	Lille	1,241
Herstedvester	1,430		1,376
	1,484		1,594
Kalundborg	245	Limoges	791
	1,061		1,349
Skive	1,430	Lorient	1,594
Tonder	1,484	Lyons	602
			1,241
EGYPT			1,594
Abu Zaabal	557	Marseilles	674
	710		1,241
	773	Metz	1,594
Batra	620	Montpellier	1,403
	818		1,484
Cairo	872	Mulhouse	1,594
Giza	926	Nancy	836
			1,241
EIRE			1,484
Athlone	560	Nantes	1,349
Cork	1,250	Nice	1,241
Dublin	1,250		1,403
			1,554
FAROE ISLANDS		Nimes	1,594
Thorshavn	584	Paris	584
		Paris	863
FINLAND			962
Helsinki	557		1,070
	1,412	Pau	1,403
Joensuu	520	Perpignan	1,484
Kuopio	755	Poitiers	1,484
Lahti	254	Rennes	710
Oulu	433		1,241
Pietarsaari	1,484	Rouen	1,403
Pori	1,484	St. Quentin	1,594
Tammisaari	1,484	Strasbourg	1,160
Tampere	1,421		1,277
Turku	962	Toulon	1,594
	1,412	Toulouse	944
Vaasa	1,241		1,349
Ylivieska	836	Sync. Network	1,493
FRANCE			
Allouis	164		
Amiens	1,484	GERMANY, EAST	
Angers	1,594	Berlin-Königswusterhausen	173
Bay	1,594		263
Bayonne	539		881

	kc/s		kc/s
Germany, East—cont.			
Berlin-Köpenick	611	Coburg (B.R.)	1,602
	1,358	Crailsheim (S.D.R.)	1,484
	1,430	Eberbach/Neckar	
	1,511	(S.D.R.)	1,484
Berlin-Rehmate	185	Ellwangen (S.D.R.)	1,484
Bernburg	1,570	Flensburg (N.D.R.)	701
Burg	782	Frankfurt (H.R.)	593
	908	(A.F.N.)	872
	935	Freiburg (S.W.F.)	827
Dresden	1,043	Fulda (A.F.N.)	1,304
Erfurt	629	Füssen (A.F.N.)	1,142
Greifswald	557	Garmisch (A.F.N.)	1,502
Hoyerswerda	746	Gerabronn (S.D.R.)	1,484
Karl Marx Stadt	602	Giengen (S.D.R.)	1,484
Leipzig	575	Giessen (A.F.N.)	1,502
	1,322	Göppingen (A.F.N.)	1,142
Plauen	1,079	Göttingen (N.D.R.)	971
Potsdam	656	Grafenwöhr (A.F.N.)	611
Reichenbach	917	Hamburg (N.D.R.)	701
Schwerin	529		971
Seelow	1,545	Hanover (N.D.R.)	1,586
Suhl	1,052	Heidelberg (S.D.R.)	998
Wachenbrünn	692	(A.F.N.)	1,304
Wöbbelin	728	Heidenheim (S.D.R.)	1,484
		Heilbronn (S.D.R.)	1,169
GERMANY, WEST		Herford (N.D.R.)	701
Aachen (W.D.R.)	701	Hersfeld (A.F.N.)	1,142
Adelsheim (S.D.R.)	1,484	Hof (R.I.A.S.)	683
Ansbach (A.F.N.)	1,034	(R.I.A.S.)	737
Augsburg (A.F.N.)	1,394	(A.F.N.)	1,394
Augsburg (B.R.)	1,484	(B.R.)	1,602
Aurich (N.D.R.)	701	Hoher Meissner (H.R.)	593
Bad Dürkheim (S.W.F.)	548	Holzkirchen (R.F.E.)	719
Bad Kissingen (A.F.N.)	1,034	Kaiserslautern (A.F.N.)	611
Bad Mergentheim (S.D.R.)	1,412	(S.W.F.)	827
Baden Baden (S.W.F.)	827	Kassel (A.F.N.)	1,502
Bamberg (A.F.N.)	1,304	Kiel (N.D.R.)	1,570
Bayreuth (B.R.)	520	Kirchberg (S.D.R.)	1,484
Berchtesgaden (A.F.N.)	1,304	Kirchheim-Schwaben(B.R.)	
Berlin (S.F.B.)	566		1,602
(R.I.A.S.)	683	Kleve (W.D.R.)	1,586
(R.I.A.S.)	854	Koblenz (S.W.F.)	827
(A.F.N.)	935	Königslutter (D.F.)	548
(R.I.A.S.)	989	Külsheim (S.D.R.)	1,484
(B.B.C.)	1,295	Landau (B.R.)	1,602
(S.F.B.)	1,484	Langenberg (N.D.R.)	971
Bitburg (A.F.N.)	1,394	Lingen (N.D.R.)	701
Bondensee	665	Mainflingen (D.F.)	151
Bonn (W.D.R.)	1,586		1,538
Bopfingen (S.D.R.)	1,484	Mosbach (S.D.R.)	1,484
Bremen (R.B.)	1,358	Munich (B.R.)	800
Bremerhaven (R.B.)	1,079	(A.F.N.)	1,106
(A.F.N.)	1,142	(V.o.A.)	1,196
Brunswick (N.D.R.)	520	Münster (W.D.R.)	1,502
Buchen (S.D.R.)	998	Neresheim (S.D.R.)	1,484

	kc/s		kc/s
Germany, West—cont.			
Nürnberg (A.F.N.)	611	Miscolc	1,594
(B.R.)	1,602	Nyiregyhaza	1,340
Oldenburg (N.D.R.)	1,586	Pecs	1,340
Osnabrück (N.D.R.)	1,586	Szolznok	1,187
Passau (B.R.)	520	Szombathely	1,340
Ravensburg (D.F.)	755		
Regensburg (A.F.N.)	1,304	ICELAND	
(B.R.)	1,602	Akureyri	737
Saarbrücken	1,421	Alftafjörður	1,510
Saarlouis	180	Breiddalsvík	1,412
Schwäbisch (S.D.R.)	1,484	Djupivogur	1,484
Schweinfurt (A.F.N.)	1,142	Eidar	665
Straubing (A.F.N.)	1,502	Eskifjörður	1,510
Stuttgart (S.D.R.)	575	Faskrudsfjörður	1,484
(A.F.N.)	1,142	Hoefn	665
Trier (S.W.F.)	827	Husavik	1,412
Ulm (A.F.N.)	1,142	Keflavik (A.F.N.)	1,484
(S.D.R.)	1,169	Kopasker	1,510
Wertheim (A.F.N.)	1,304	Lön	1,412
Wertheim/Main (S.D.R.)	1,484	Neskaupstaður	1,412
Wildflecken (A.F.N.)	1,502	Raufarhöfn	1,484
Wolfsheim (S.W.F.)	1,016	Reydarfjörður	1,520
Würzburg (B.R.)	520	Reykjavik	209
(A.F.N.)	1,142	Sigflufjörður	1,412
		Skulagardur	1,484
		Thorshöfn	1,510
GIBRALTAR			
Fort Wellington	1,484		
GREECE		IRAQ	
Amaliada	1,565	Baghdad	1,304
Athens	665	Hurriyah	764
Athens	728	Thourah	908
	1,313		
	1,385	ISRAEL	
	1,594	Eilat	1,358
Iraklion (A.F.N.)	1,570	Haifa	1,097
Kerkyra, Corfu	1,007		1,205
Khania, Crete	1,511		1,304
Komotini	1,403	Jerusalem	710
Patras	1,511	Safad	845
Pyrgos	1,433	Tel Aviv	575
Rhodes Island	1,493		656
Salonika (V.o.A.)	791		737
Salonika	1,043		1,025
	1,169		1,286
Volos	1,484	ITALY	
At Sea		Agrigento	1,448
S.S. "Courier" (V.o.A.)	1,259	Alessandria	1,448
		Ancona	1,448
HUNGARY		Aosta	1,115
Balatonszabadi	1,250		1,331
	1,594	Aquila	1,484
Budapest	539	Arezzo	1,484
Gyor	1,349	Ascoli	1,448
Magyarovar	1,594	Avellino	1,484

Italy—cont.	kc/s		kc/s
Bari	1,115	Palermo	1,367
	1,331		1,448
	1,367	Perugia	1,448
Belluno	1,448	Pescara	1,034
Benevento	1,448		1,331
Biella	1,448	Pisa	1,115
Bologna	1,115		1,367
	1,331	Potenza	1,448
	1,367	Rome	845
Bolzano	656		1,331
	1,484		1,367
	1,594	Salento	566
Bressanone	1,448		1,448
	1,594	Salerno	1,448
Brindisi	1,484	San Remo	1,034
Brunico	1,448	Sassari	1,367
	1,594		1,448
Cagliari	1,061	Savona	1,484
	1,448	Siena	1,448
	1,594	Sondrio	1,448
Caltanissetta	566	Taranto	1,448
	1,448	Teramo	1,484
Campobasso	1,448	Terni	1,484
Catania	1,331	Trento	1,331
	1,367		1,367
	1,448		1,448
Catanzaro	1,448		1,594
Como	1,448	Trieste	818
Cortina	1,448		980
Cosenza	1,484		1,115
Cuneo	1,448		1,594
Florence	656	Turin	656
	1,367		1,367
	1,448		1,448
Foggia	1,448	Udine	1,331
Genoa	1,034		1,448
	1,331	Venice	656
Gorizia	1,367		1,034
	1,484		1,367
La Spezia	1,448	Vicenza	1,484
Lecce	1,448	Verona	1,367
Livorno	1,061	Verona	1,448
	1,594	Sync. Networks	1,367
Matera	1,448		1,578
Merano	1,448		
	1,594	JORDAN	
Messina	1,115	Amman	800
	1,367	Jerusalem	677
Milan	899		
	1,034	LEBANON	
	1,367	Beirut	836
Naples	656		
	1,034	LIBYA	
	1,367	Benghazi (B.F.N.)	843
Nuoro	1,484		1,484
Palermo	1,331	El Beida	674

Libya—cont.	kc/s	NORWAY	kc/s
Tripoli (A.F.N.)	990	Bergen	890
Tripoli	1,052	Bodö	674
Tripoli (B.F.N.)	1,394	Brønnöysund	1,484
LUXEMBOURG		Finnmark	701
Luxembourg	233	Fredrikstad	1,578
	1,439	Glomfjord	1,484
MADEIRA		Karasjok	1,484
Funchal	1,475	Kristiansand	890
	1,594	Mosjöen	1,484
MALTA		Nordkapp	1,578
Dalimara Point	1,178	Oslo	218
Halfaya (B.F.N.)	1,426	Rjukan	1,484
MONACO		Röros	520
Monte Carlo	218	Stavanger	1,313
	1,466	Tromsö	155
MOROCCO		Trøndelag	890
Agadir	935	Vigra	629
	1,196	Sync. Networks	1,115
Ben Guerir (A.F.N.)	1,594		1,466
Casablanca	818	Radio Veronica (at sea)	1,562
	1,187	POLAND	
	1,484	Bialystok	1,367
Marrakech	1,151	Cracow	1,205
	1,594	Gdansk	1,304
Nouaceur (A.F.N.)	1,594	Gizysko	1,594
Oujda	593	Katowice	1,079
	827	Kielce	1,484
Port Lyautey (A.F.N.)	1,484	Koszalin	1,484
Rabat	917		1,594
	1,025	Lodz	1,367
	1,286		1,484
Rabat (A.F.N.)	1,594	Lublin	1,205
Sebaa-Aioun	611		1,367
	701		1,594
	935	Olsztyn	1,484
Safi	1,025	Opole	1,484
	1,322		1,594
Sidi Slimane (A.F.N.)	1,594	Poznan	737
Tangier	1,016	Rzeszow	1,205
	1,115	Slupsk	1,484
	1,232	Stettin	1,304
Tetuan	917		1,484
	1,052	Warsaw	227
NETHERLANDS			818
Hengelo	1,594		1,502
Hilversum	746	Wroclaw	1,259
	1,007	Zakopane	1,484
Hoogezand	1,594	Zielona Gora	1,259
Hulsberg	1,594		1,484
Lopik	1,250	PORTUGAL	
		Caramulo	1,457
		Coimbra	1,448
		Covilha	1,562
		Faro	557

	kc/s		kc/s
Portugal—cont.			
Funchal	1,484	Cabra	1,520
Guarda	557	Cadiz	1,182
	1,496	Castellon de la Plana	1,403
Lisbon	755	Ceuta	1,410
	1,286	Ciudad Real	1,367
	1,594	Cordoba	1,223
Norte	719		1,376
	1,061	Cuenca	1,187
Oporto	1,169	Gandia	1,412
	1,367	Gerona	1,451
	1,578	Geronia	1,522
Oporto-Miramar	782	Gijon	1,472
Paredes	1,034	Granada	1,384
Portalegre	1,196		1,412
Regua	800	Huesca	1,475
Santarem	1,322	Jaen	1,133
Viseu	1,358		1,412
		La Coruna	638
			1,295
RUMANIA		Leon	1,052
Bacau	1,052	Lerida	1,097
Baia Mare	1,429		1,511
Brasov	155	Madrid	584
	1,484		809
Bucharest	854		845
Cluj	1,151		917
Constanza	1,313		953
Craiova	1,457		1,106
Kherastrau	557		1,097
Miercurea	908	Majadahonda	989
Mures	1,484	Malaga	1,007
Oradea	1,125		1,106
Or Stalin	1,484	Manresa	1,490
Sibiu	1,484	Murcia	854
Timisoara	629		1,511
	755	Oviedo	548
			1,079
			1,268
SPAIN		Pamplona	1,322
Albacete	1,097	Reus	1,367
	1,193	Sabadell	1,430
Almeria	1,397	Salamanca	1,313
Antequera	1,160	San Sebastian	773
Astorga	1,097		1,025
Avila	887		1,277
Aviles	1,322	Santander	1,570
Badajoz	1,390	Seville	683
	1,484		809
Badalona	1,313		1,097
Barcelona	737	Tarragona	1,570
	827	Tarrega	1,572
	1,025	Toledo	1,160
	1,178	Valencia	1,079
Bilbao	1,133		1,151
	1,304		1,259

Spain—cont.	kc/s	TURKEY	kc/s
Valladolid	1,385	Adana (A.F.N.)	850
	1,475	Adana	1,133
Vigo	1,133	Ankara	182
Vitoria	1,457		1,065
Zamora	1,304	Antalya	1,295
	1,419	Gaziantep	1,242
Zaragoza	872	Istanbul	701
	1,322		962
		Izmir	1,033
SWEDEN			
Boden	1,594	UNITED KINGDOM	
Falun	1,223	Barnstaple, Devon (H)	1,052
Göteborg	980	Barrow, Lancs. (H)	1,484
Hörby	1,178	Bartley, Hants. (H)	1,457
Jönköping	1,594	Belfast, N. Ireland (T)	1,546
Kristinehamn	1,594	Bexhill, Sussex (H)	1,457
Lulea	182	Bournemouth, Hants. (T)	1,546
Malmberget	773	Brighton, Sussex (H)	1,457
Motala	191	(T)	1,546
Ostersund	719	Brookmans Park, London	
Porjus	1,529	(H)	908
Säffle	1,594	(L)	1,214
Stockholm	773	Burghead, Moray (H)	809
Sundsvall	593	(L)	1,214
Trollhättan	1,594	Cardiff, Glamorgan (T)	1,484
Umeå	1,594	Clevedon, Somerset (H)	1,457
Sync. Networks	1,394	Cromer, Norfolk (H)	692
	1,448	Crowborough, Sussex (E)	647
	1,562		1,295
		Daventry, Northants. (T)	647
SWITZERLAND		Droitwich, Worcs. (L)	200
Basle	1,367	(H)	1,088
Beromünster	529	Dumfries (H)	809
Chur	1,367	Dundee, Angus (T)	1,546
Monte Ceneri	557	Edinburgh, Midlothian (T)	647
Saviese	1,367	Exeter, Devon (T)	1,546
Sool	1,367	Fareham, Hants. (T)	1,546
Sottens	764	Folkestone, Kent (H)	1,457
SYRIA		Glasgow (T)	647
Aleppo	746	Leeds, Yorks. (T)	1,546
Damascus	602	Lisnagarvey, N.I. (H)	1,340
	665	(L)	1,214
	863	Liverpool, Lancs. (T)	1,546
Deir-el-Zor	956	Londonderry, N.I. (H)	1,340
Homs	566	(L)	1,214
Tartus	784	Moorside Edge, Yorks.(H)	692
TUNISIA		(L)	1,214
Sfax	602	Newcastle, North'd (T)	647
	1,421	(L)	1,214
Tunis	962	Norwich, Norfolk (H)	1,088
		Penmon, Anglesey (H)	881
		Plymouth, Devon (L)	1,214
		(T)	1,546

	kc/s		kc/s
United Kingdom—cont.		Leningrad, Russia	800
Preston, Lancs. (T)	1,546		1,124
Ramsgate, Kent (H)	1,484		1,493
Redross, Aberdeen. (T)	647	Lwow, Ukraine	935
(H)	809	Minsk, Byelorussia	281
(L)	1,214		400
Redruth, Cornwall (L)	1,214	Modona, Latvia	1,349
(H)	1,457	Moscow, Russia	151
(T)	1,546		173
Scarborough Yorks. (H)	1,151		200
Stagshaw, North'd (H)	1,151		263
Start Point, Devon (H)	1,052		385
Stockton, Durham (T)	1,546		548
Swansea, Glam. (T)	1,546		872
Towyn, Merioneth. (H)	881	Murmansk, Russia	656
Washford, Somerset (H)	881	Odessa, Ukraine	548
Westerglen, Stirling. (H)	809		764
(L)	1,214	Orel, Russia	385
Whitehaven, Cumb. (H)	692	Ouchgorod, Ukraine	890
Wrexham, Denbigh. (H)	881		1,322
At Sea		Petrozavodsk, Karelia	611
Radio 390	774	Riga, Latvia	575
Britain Radio	845		1,421
Radio Invicta	980		1,484
Radio City	1,034	Rostov-on-Don, Russia	944
Radio 270	1,115	Simferopol, Russia	647
Radio London	1,137	Smolensk	971
Radio Scotland	1,250	Tallinn, Estonia	1,034
Radio Manx	1,295		1,214
Radio Tower	1,272		1,331
Radio England	1,322	Tartu, Estonia	1,214
Radio Essex	1,353		1,403
Radio Caroline S.	1,187	Tiraspol, Moldavia	1,241
Radio Caroline N.	1,520	Vilna, Lithuania	1,106
		Vinnitsa, Ukraine	836
			1,546
U.S.S.R.		VATICAN STATE	
Baranovitchi, Byelorussia	1,554	Vatican City	782
Chernovtsy, Ukraine	674		1,529
Dniepropetrovsk, Ukraine	1,070	YUGOSLAVIA	
Donetsk, Ukraine	710	Belgrade	683
Kaliningrad, Russia	1,115		1,484
	1,142	Bitolja	1,484
Kaunas, Lithuania	665	Brcko	1,484
	1,385	Brezice	1,562
Kharkov, Ukraine	385	Buje	1,484
	836		1,594
Kiev, Ukraine	209	Celje	1,484
	782	Crnomelj	1,484
	1,169	Djakova	1,484
	1,241	Djevdjelya	1,484
Kishinev, Moldavia	998	Dubrovnik	1,484
Krasnodar, Karelia	611	Gospic	1,412
Kuldiga, Latvia	1,349		1,433
Kursk, Russia	1,214	Gostivar	1,484
Leningrad, Russia	200		
	236		
	548		

Yugoslavia—cont.	kc/s		kc/s
Hvar	1,133	Resen	1,484
Karlovac	1,594	Rijeka	1,133
Kavadarei	1,484		1,484
Kicevo	1,484	Rovinj	1,594
Knin	1,484	Sarajevo	611
Kocani	1,484	Skopje	809
Koper	1,169		1,484
Krapina-Zabok	1,594	Sombor	1,594
Krnjaca	1,484	Split	1,133
Ljubljana	917		1,412
	1,484		1,484
Maribor	1,412	Stip	1,484
Murska Sobota	1,484	Strumica	1,484
Nis	927	Svetozarevo	1,484
Novi Sad	1,268	Slovenj Gradec	1,502
	1,484	Titograd	881
Ohrid	1,484	Titov Veles	1,484
Osijek	1,412	Tolmin	1,484
Porec	1,484	Tuzia	1,484
Prilep	1,484	Varazdin	1,484
Pristina	1,412	Vinkovei	1,594
Ptuj	1,484	Vukovar	1,484
Pula-Veli	1,484	Zadar	1,133
Radlje	1,241	Zagreb	1,133
Radovis	1,484		1,484

Abbreviations

A.F.N.	American Forces Network
B.F.N.	British Forces Network
B.R.	Bayerischer Rundfunk
D.F.	Deutschlandfunk
D.W.	Deutsche Welle
H.R.	Hessischer Rundfunk
N.D.R.	Norddeutscher Rundfunk
R.B.	Radio Bremen
R.F.E.	Radio Free Europe
R.I.A.S.	Radio im Amerikanischen Sektor
R.L.	Radio Liberty operated by U.S. Committee for Liberation
S.D.R.	Suddeutscher Rundfunk
S.F.B.	Sender Free Berlin
S.W.F.	Sudwestfunk
T.W.R.	Trans World Radio
V.o.A.	Voice of America
W.D.R.	Westdeutscher Rundfunk
E, H, L or T	denote, respectively, B.B.C. transmitter used for European Service, Home Service, Light Programme or Network Three.

Some L.W. and M.W. Stations Outside the European Broadcasting Area

A selection of the stations identified in Western Europe.		kc/s	Station and Country
182	Alma-Ata, Kazakh	U.S.S.R.	810 Havana Cuba
191	Tiflis, Georgia	U.S.S.R.	827 Gorkii, Russia U.S.S.R.
200	Kazan, Tartar	U.S.S.R.	834 Belize Brit. Honduras
218	Baku, Azerbaijan	U.S.S.R.	840 Harrar Ethiopia
	Krasnoyarsk, Russia	U.S.S.R.	850 Boston, Mass. U.S.A.
227	Alma-Ata, Kazakh	U.S.S.R.	860 Halifax, N.S. Canada
254	Dyushambe, Tadzhik	U.S.S.R.	863 Erivan, Armenia U.S.S.R.
272	Novosibirsk, Russia	U.S.S.R.	870 New Orleans, La. U.S.A.
540	Grand Falls	Canada	872 Luanda Angola
557	Volgograd	U.S.S.R.	880 New York U.S.A.
570	Godthaab	Greenland	881 Stavropol, Russia U.S.S.R.
572	Khartoum	Sudan	895 Teheran Iran
580	Antigonish	Canada	899 Ioskhar Ola U.S.S.R.
590	St. John's, Nfd.	Canada	900 Rimouski, Quebec Canada
611	Frunze, Kirghiz	U.S.S.R.	Natal Brazil
620	Santa Cruz	Ténériffe	910 Buenos Aires Argentina
630	Charlottctown, P.E.I.	Canada	917 Makhatch-Kala, Daghestan U.S.S.R.
638	Dar-es-Salam	Tanzania	920 Halifax, N.S. Canada
640	St. John's, Nfd.	Canada	Camaguay Cuba
650	Godhavn	Greenland	926 Ivanovo, Russia U.S.S.R.
	Monrovia	Liberia	930 St. John's, Nfd. Canada
	Puerto La Cruz	U.S.A.	940 Kaduna Nigeria
656	Groznyi	U.S.S.R.	Montreal, Quebec Canada
660	New York	U.S.A.	Rio de Janeiro Brazil
690	Havana	Cuba	950 Buenos Aires Argentina
	Montreal, Quebec	Canada	960 Halifax, N.S. Canada
692	Ufa, Bashkir	U.S.S.R.	970 Seoul Korea
700	Cincinnati, Ohio	U.S.A.	985 Kermanshah Iran
701	Perim	Aden	990 Corner Brook, Nfd. Canada
710	Grand Falls, Nfd.	Canada	1000 Bridgewater N.S. Canada
723	Jidda	Saudi Arabia	Chicago, Ill. U.S.A.
737	Chelyabinsk, Russia	U.S.S.R.	Sao Paulo Brazil
740	Toronto, Ont.	Canada	Mexico City Mexico
	Washington	U.S.A.	1010 New York U.S.A.
760	Georgetown	Guyana	1016 Baku, Azerbaijan U.S.S.R.
	Detroit, Mich.	U.S.A.	1020 Pittsburg, Pa. U.S.A.
764	Dakar	Senegal	Cumana Venezuela
770	New York	U.S.A.	1030 Boston, Mass. U.S.A.
776	Zahedan	Iran	Pekin China
791	Astrakhan	U.S.S.R.	1040 Sao Paulo Brazil
800	Bonaire	Neth. Antilles	1043 Tiflis, Georgia U.S.S.R.
	St. John's, Nfd.	Canada	1050 New York U.S.A.
809	Kuybichev, Russia	U.S.S.R.	1060 Quebec Canada
			1070 Sackville, N.B. Canada
			Buenos Aires Argentina
			1080 Hartford, Conn. U.S.A.
			1088 Perm U.S.S.R.
			1090 Montevideo Uruguay
			Baltimore, Pa. U.S.A.
			1100 Cleveland, Ohio U.S.A.
			Sao Paulo Brazil

kc/s	Station and Country	kc/s	Station and Country
1110	Charlotte U.S.A.	1340	Hamilton Bermuda
1120	St. Louis U.S.A.	1345	Kuwait Kuwait
	Maracaibo Venezuela	1350	Norfolk U.S.A.
1130	New York U.S.A.	1360	Bathurst Gambia
	St. John's, Nfd. Canada	1370	Recife Brazil
1140	Sydney, N.S. Canada	1375	St. Pierre and Miquelon
1150	St. John's, Nfd. Canada	1380	Kingston, Ont. Canada
1157	Radio America U.S.A.	1390	Ahvaz Iran
1160	Chicago, Ill. U.S.A.	1403	Conakry Guinea
1170	Wheeling U.S.A.	1410	Montreal, Quebec Canada
1180	Okinawa (V.o.A.) U.S.A.		Hartford, Conn. U.S.A.
	Ryukyu Is. Ryukyu Is.	1415	Bamako Mali
	Rio de Janeiro Brazil	1440	Ottawa Canada
1190	Fort Wayne U.S.A.	1450	Atlantic City, N.J. U.S.A.
1200	Caracas Venezuela	1460	Albany, N.Y. U.S.A.
1210	Philadelphia, Pa. U.S.A.		Rochester, N.Y. U.S.A.
	Cordoba Argentina	1470	Lewiston, Maine U.S.A.
1220	Rio de Janeiro Brazil	1476	Las Palmas Canary Is.
	Moncton, N.B. U.S.A.	1480	Fall River, Mass. U.S.A.
	Cleveland, Ohio U.S.A.	1490	Kitchener Waterloo, Ont. Canada
1230	Rosario Argentina		Portland, Maine U.S.A.
1235	Hamilton Bermuda	1500	Washington U.S.A.
1241	Khormaksar Aden	1510	Boston, Mass. U.S.A.
1250	Matane Canada	1520	Buffalo, Maine U.S.A.
1260	Boston, Mass. U.S.A.	1530	Cincinnati, Ohio U.S.A.
1270	Buenos Aires Argentina	1540	Albany, N.Y. U.S.A.
	Sydney, N.S. Canada	1550	Montreal, Quebec Canada
1280	Rio de Janeiro Brazil	1560	New York U.S.A.
	Quebec Canada	1570	Montreal, Quebec Canada
1300	Moncton, N.B. Canada	1580	Chicoutimi Canada
	Baltimore, Md. U.S.A.	1600	Niagara Falls, Ont. Canada
	Cleveland, Ohio U.S.A.		These stations were heard by at least one of the following receiving stations:
1304	Dakar Senegal		Jurbise (E.B.U.)
1308	Baghdad Iraq		Limours (O.R.T.F.)
1310	Ottawa Canada		Monza (R.A.I.)
	Ste-Anne, Pocatière Canada		Tatsfield (B.B.C.)
	Fort-de-France Martinique		or by members of the Medium Wave Club.
1320	New Glasgow Canada		
	Enugu Nigeria		
1325	Teheran Iran		
1330	Waltham, Mass. U.S.A.		

Short-wave Stations of the World

This list of stations is compiled from information obtained from broadcasting authorities and the Tatsfield receiving station of the B.B.C. To reduce the length of the list we have included only transmitters known to have a power of not less than 1kW.

At many stations there are a number of transmitters of varying power each of which can be employed on any of the frequencies used. For these we give in the appropriate column both the minimum and maximum power of the station's transmitters.

Initials have been inserted after the name of the town in some instances because the station is operated by an "extra-territorial" organization; the abbreviations are defined on page 28.

A geographical list of short-wave stations will be found on page 101.

Mc/s	Metres	kW	Call	Station and Country	
2·306	130·20	20	—	Paradys	South Africa
2·326	129·00	20	—	Paradys	South Africa
2·346	127·90	20	—	Paradys	South Africa
2·350	127·70	1	YDJ3	Djakakarta, Java	Indonesia
		1	YDW	Pontianak, Borneo	Indonesia
2·360	127·10	1	YVQG	Carupano	Venezuela
2·372	126·40	1	YDI3	Surabaya, Java	Indonesia
2·376	126·30	20	—	Paradys	South Africa
2·430	123·50	1	YDK2	Palembang, Java	Indonesia
2·440	123·00	1	YDG2	Surakarta, Java	Indonesia
		1	YVLG	Maracay	Venezuela
2·450	122·40	1	YDB	Djakarta, Java	Indonesia
2·475	121·20	—	—	Hangchow	China
2·490	120·48	1	YDH	Semarang, Java	Indonesia
2·510	119·00	10	HLK50	Seoul	Korea (South)
3·205	93·40	10	—	Lucknow	India
		5	—	Ibadan	Nigeria
3·213	93·39	1	HIRM	Santo Domingo	Dominican Rep.
3·220	93·17	2	VTW2	Tarawa	Gilbert & Ellice Is.
3·225	93·02	15/240	—	Peking	China
3·226	92·90	2·5	—	Simla	India
3·232	92·80	10	VRH8	Suva	Fiji Islands
		5	—	Tananarive	Madagascar
3·235	92·74	7·5	CR7AB	Lourenço Marques	Mozambique
3·240	92·60	1	YDR	Ambon, Moluccas	Indonesia
		50	—	Baghdad	Iraq
		10	—	Peshawar	Pakistan
		1	OBX4U	Lima	Peru
3·241	92·57	1	YDM6	Sibolga, Sumatra	Indonesia
3·245	92·40	0·25/10	VUC	Calcutta	India
		1	YVKT	Caracas	Venezuela
3·250	92·30	10	HJKH	Sutatenza	Colombia
		10	YDO	Bandjermassin, Borneo	Indonesia
		50	—	Baghdad	Iraq
		5	CR7BM	Lourenço Marques	Mozambique
		20	—	Paradys	South Africa
		5	—	Dar-es-Salaam	Tanzania
3·255	92·17	10	ELBC	Monrovia	Liberia
		1	YVQL	El Tigre	Venezuela

Mc/s	Metres	kW	Call	Station and Country	
3-265	91-88	1	ZYK21	Recife	Brazil
		4	ZYR92	Ribeirao Preto	Brazil
		50	—	Brazzaville	Congo West
		2	ZFY	Georgetown	Guyana
3-267	91-82	4	—	Lome	Togoland
		1	YVOC	San Cristobal	Venezuela
3-270	91-74	15/240	—	Peking	China
		1	—	Deli	Timor Is.
3-275	91-60	1	ZYR31	Baura	Brazil
		1	YVMC	Maracaibo	Venezuela
3-277	91-55	1	YDD	Djakarta, Java	Indonesia
		1	—	Srinagar	Kashmir
3-280	91-46	5	—	St. Georges, Grenada	Windward Is.
3-283	91-33	10	VRH9	Suva	Fiji Islands
3-285	91-32	1	ZYR89	Aparecida	Brazil
		1	HI7T	Santo Domingo	Dominican Rep.
		20	—	Paradys	South Africa
3-286	91-30	1	YVLE	Puerto Cabello	Venezuela
		3	YDG6	Madiun, Java	Indonesia
3-288	91-20	25	—	Bogota	Colombia
		4	—	Tananarive	Madagascar
3-295	91-05	20/100	VUD	Delhi	India
		1	YDY	Samarinda, Java	Indonesia
		16	HNV	Baghdad	Iraq
		1	YVOG	Trujillo	Venezuela
3-300	90-91	2-5	—	Lusaka	Zambia
		5	—	Belize	British Honduras
3-305	90-77	0-25/10	VUC	Calcutta	India
		1	—	Benghazi (B.F.N.)	Libya
		1	DZDA	Manila, Luzon	Philippines
		10	—	Gwelo	Rhodesia
3-315	90-50	2	YVKX	Caracas	Venezuela
		10	—	Bhopal	India
		8	—	Forte de France	Martinique
3-316	90-52	1	YVLI	Maracay	Venezuela
		5	—	Freetown	Sierra Leone
3-320	90-36	1	—	Santo Domingo	Dominican Rep.
		20	—	Paradys	South Africa
		2-5	—	Lusaka	Zambia
3-325	90-23	1	ZYJ21	Campina Grande	Brazil
		10	—	Forest Side	Mauritius
		7-5	—	Kaduna	Nigeria
		1	YVRA	Maturin	Venezuela
3-330	90-09	1	OAXIM	Piura	Peru
3-334	89-98	1	YVMU	Carora	Venezuela
3-335	89-96	10	—	Cauhati	India
3-336	89-96	2	YVQD	Ciudad Bolivar	Venezuela
3-339	89-80	3-5	VPZ	Marhubi	Tanzania
3-340	89-80	5/8	—	Kampala	Uganda
3-345	89-69	1	ZYN22	Salvador	Brazil
		1	HI2S	Santo Domingo	Dominican Rep.
		2/50	DZB2	Bocaue, Luzon	Philippines
		7-5	YVOS	Caracas	Venezuela
3-346	89-66	20	—	Lusaka	Zambia

Mc/s	Metres	kW	Call	Station and Country	
3-355	89-42	1	ZWE55	Lobatsi	Bechuanaland
		1	YVLC	Valencia	Venezuela
3-356	89-40	1	YDI	Surabaya, Java	Indonesia
		20	—	Paradys	South Africa
3-360	89-28	5	ZQI	Kingston	Jamaica
3-365	89-15	20/100	VUD	Delhi	India
3-366	89-12	5	ZOY	Accra	Ghana
3-375	89-00	1/50	BEH22	Taipei	Formosa
		10	—	Gauhati, Assam	India
		5	YDW2	Pontianak, Borneo	Indonesia
3-376	89-00	4	—	Conakry	Guinea Rep.
		20	—	Paradys	South Africa
3-380	88-80	5	—	Ibadan	Nigeria
		1.5	—	St. Denis	Reunion Island
3-385	88-63	1	ZYA41	Rio de Janeiro	Brazil
		1	YVQK	Barcelona	Venezuela
3-386	88-60	1	—	Tananarive	Madagascar
3-390	88-50	15/240	—	Peking	China
		10	OQ2AC	Lubumbashi	Congo East
		2	YVKX	Caracas	Venezuela
3-395	88-35	1	—	Colombo	Ceylon
		1	YDP2	Medan, Sumatra	Indonesia
		10	—	Kaduna	Nigeria
		1	APL	Lahore	Pakistan
		10	ZEAF	Salisbury	Rhodesia
		1.5	YVOJ	Merida	Venezuela
3-405	88-11	7.5	—	Lourenço Marques	Mozambique
3-410	87-80	1	YVMK	Cabimas	Venezuela
3-730	80-43	20	—	Teheran	Iran
3-780	79-25	100	EQD	Teheran	Iran
3-800	78-95	15/240	—	Peking	China
3-844	78-08	1	HC4GB	Esmeraldas	Ecuador
3-900	76-90	20	—	Khabarovsk, Russia	U.S.S.R.
3-905	76-82	20/100	VUD	Delhi	India
3-912	76-67	10	HLK51	Seoul	Korea (South)
3-915	76-63	15/240	—	Peking	China
		50	APK	Karachi	Pakistan
		2.5	ZQP	Lusaka	Zambia
3-925	76-43	20/100	VUD	Delhi	India
		5	JOZ	Tokio	Japan
3-935	76-24	5	YDH2	Semerang, Java	Indonesia
3-937	76-14	15/120	—	Moscow, Russia	U.S.S.R.
3-940	76-12	15/240	—	Peking	China
		2.5	ZBW3	Victoria	Hong Kong
		35/100	—	Okinawa (V.o.A.)	Ryukyu Is.
3-945	76-04	10	YDU2	Denpasar, Bali	Indonesia
		10	JOZ4	Hokkaido	Japan
		10/50	APK	Karachi	Pakistan
3-950	75-95	1	CR4AD	Sao Vicente	Cape Verde Is.
		10	—	Lubumbashi	Congo East
3-953	75-89	50/100	MCM	Overseas Service*	U.K.
		2	ZQP	Zomba	Zambia
3-960	75-76	5	CR4AA	Praia	Cape Verde Is.
		10	YDL	Padang, Sumatra	Indonesia
		16	—	Baghdad	Iraq

Mc/s	Metres	kW	Call	Station and Country	
		1	—	Jidda	Saudi Arabia
3-962	75-72	1	YDT	Soasiu, Mollucas	Indonesia
3-963	75-70	50/100	APK	Karachi	Pakistan
3-965	75-66	100	—	Allouis	France
		10	—	Monrovia	Liberia
		10	—	Peshawar	Pakistan
3-970	75-57	5	DMR20	Osterloog	Germany (West)
3-975	75-47	5	CMQ7	Bissao	Portuguese Guinea
		50/100	GRC	Overseas Service*	U.K.
		20	—	Lusaka	Zambia
3-980	75-38	8/100	—	Munich (V.o.A.)	Germany (West)
		10	YDI2	Surabaya, Java	Indonesia
		5	—	Enugu	Nigeria
3-985	75-28	100	HER22	Schwarzenburg	Switzerland
3-990	75-19	15/240	—	Peking	China
3-995	75-09	7-5	—	Kinshasha	Congo East
		50/100	—	Rome	Italy
		1	—	Ibadan	Nigeria
		5	VQO4	Honiara	Solomon Islands
4-010	74-81	25	—	Frunze, Kirghiz	U.S.S.R.
4-035	74-40	15/240	—	Peking	China
4-040	74-26	25	—	Kabul	Afghanistan
		20	—	Vladivostok, Russia	U.S.S.R.
4-050	74-00	25	—	Frunze, Kirghiz	U.S.S.R.
4-055	73-98	50	—	Petropavlovsk, Russia	U.S.S.R.
4-084	73-46	—	—	Ulan Bator, Mongolia	U.S.S.R.
4-130	72-64	15/240	—	Peking	China
4-188	71-63	—	—	Ulan Bator, Mongolia	U.S.S.R.
4-220	71-07	15/240	—	Peking	China
4-235	70-84	10	—	Achkhabad, Turkmenia	U.S.S.R.
4-250	70-59	15/240	—	Peking	China
4-273	70-20	20	—	Khabarovsk, Russia	U.S.S.R.
4-395	68-25	15/120	—	Moscow, Russia	U.S.S.R.
4-410	68-03	15/240	—	Peking	China
4-430	67-72	—	—	Novosibirsk, Russia	U.S.S.R.
4-460	67-26	15/240	—	Peking	China
		—	—	Petropavlovsk, Russia	U.S.S.R.
4-485	66-89	—	—	Urumchi	China
		—	—	Ufa, Bashkir	U.S.S.R.
4-520	66-37	—	—	Omsk, Russia	U.S.S.R.
4-534	66-08	2	—	Yakutsk, Russia	U.S.S.R.
4-545	66-00	15	—	Alma Ata, Kazakh	U.S.S.R.
4-560	65-79	1	—	Guryev, Kazakh	U.S.S.R.
4-610	65-08	20	—	Khabarovsk, Russia	U.S.S.R.
4-620	64-94	15/240	—	Peking	China
4-634	64-72	—	—	Dyushambe, Tadzhik	U.S.S.R.
4-650	64-52	7	HCAK2	Guayaquil	Ecuador
4-695	63-83	3	—	Tirana	Albania
4-725	63-49	50	XZK9	Rangoon	Burma
4-734	63-37	12	—	Hanoi	Vietnam (North)
4-750	63-20	50	APK	Karachi	Pakistan
4-752	63-12	3	YDQ2	Macassar, Celebes	Indonesia
4-755	63-08	1	ZYY3	Campinas	Brazil
		50	APK	Karachi	Pakistan
4-757	63-06	10	VRH4	Suva	Fiji Islands

Mc/s	Metres	kW	Call	Station and Country	
4.760	63.03	20/100	VUD	Delhi	India
4.764	62.97	3	HJEF	Cali	Colombia
4.765	62.96	1	ZYN37	Bahia	Brazil
4.770	62.89	15/240	—	Peking	China
		1/50	BED33	Taipei	Formosa
		10	ELWA	Monrovia	Liberia
		1	YVMW	Punta Fijo	Venezuela
4.775	62.83	50	—	Kabul	Afghanistan
		5	ZYR81	Sao Paulo	Brazil
		10	—	Gauhati	India
4.776	62.70	2	ZYH29	Fortaleza	Brazil
4.777	62.80	4	—	Libreville	Gabon Rep.
4.780	62.76	1	TYZ3	Djibouti	French Somaliland
		5	ZHL7	Singapore, Malaya	Malaysia
		5	—	Bissao	Portuguese Guinea
		1	YVLA	Valencia	Venezuela
4.784	62.71	1	H12S	Santo Domingo	Dominican Rep.
4.785	62.70	2	ZYM8	Sao Luiz	Brazil
		10	VRH5	Suva	Fiji Islands
		4	—	Niamey	Niger
		10	—	Dar-es-Salaam	Tanzania
4.791	62.63	7.5	APD	Dacca	Pakistan
		5	YVQN	Puerto la Cruz	Venezuela
4.795	62.58	50	XZF2	Rangoon	Burma
		1	HJFU	Armenia	Colombia
		10	VQ6MI	Hargeisa	Somali
		3.5	VPZ	Marhubi	Tanzania
4.798	62.53	10	—	Usumbura	Burundi
		1	YSDR	Santa Ana	Salvador
4.800	62.50	1	APL	Lahore	Pakistan
		2	YVME	Maracaibo	Venezuela
4.804	62.44	5	ZGW75	Kisumu	Kenya
4.805	62.43	5	ZYS8	Manaos	Brazil
4.807	62.40	1	CR5SB	Sao Thomé	St. Thomas Is.
4.808	62.40	10	OQE	Bakavu	Rwanda
4.810	62.37	20	—	Paradys	South Africa
		1	YVMG	Maracaibo	Venezuela
4.813	62.34	1	ZYH27	Fortaleza	Brazil
4.814	62.33	30	—	Libreville	Gabon
4.815	62.34	1	ZYP33	Petropolis	Brazil
		10	CR8AB	Goa	India
		1	OAX5U	Huaneavelica	Peru
		4	—	Ougadougou	Upper Volta
4.818	62.27	1	HJBB	Cucuta	Colombia
4.820	62.24	1	—	Bathurst	Gambia
		20/100	VUD	Delhi	India
		1	YVRC	San Fernando Apure	Venezuela
4.825	62.18	1	HJHC	Pasto	Colombia
		10	—	Achkhabad, Turkmenia	U.S.S.R.
4.830	62.10	5/50	—	Brazzaville	Congo West
		10/100	VUB	Bombay	India
		1	—	Bangkok	Thailand
		1.3	YVOA	San Cristobal	Venezuela
4.835	62.06	4	—	Bamako	Mali
		10	—	Hargeisa	Somali

Mc/s	Metres	kW	Call	Station and Country	
(4-835)	(62-06)	15/120	—	Moscow, Russia	U.S.S.R.
4-838	62-01	10	—	Bakavu	Rwanda
4-840	61-98	10	—	Bhopal	India
		10/100	VUB	Bombay	India
		7-5	CR7BU	Lourenço Marques	Mozambique
		1-5	YVOI	Valera	Venezuela
4-842	61-96	10	—	Lobatsi	Bechuanaland
4-844	61-95	5/50	—	Brazzaville	Congo West
4-845	61-92	1	HJGF	Bucaramanga	Colombia
		10	—	Forest Side	Mauritius
4-849	61-88	1	YVMS	Barquisimeto	Venezuela
4-850	61-86	2	—	Ranchi	India
		15/120	—	Moscow, Russia	U.S.S.R.
4-852	61-84	1	CR6RQ	Nova Lisboa	Angola
4-855	61-79	1	CP39	Cobija	Bolivia
		1	HJFB	Neiva	Colombia
		10	YDK	Palembang, Sumatra	Indonesia
		10	—	Langata	Kenya
		4	—	Nouakchott	Mauritania
		30	—	Monte Carlo	Monaco
		4	—	Niamey	Niger
		2-5	—	Enugu	Nigeria
4-860	61-73	20/100	VUD	Delhi	India
		7-5	—	Srinagar	Kashmir
		5	ZGW84	Langata	Kenya
		20	—	Kuching, Sarawak	Malaysia
		1	YVPA	San Felipe	Venezuela
4-864	61-64	30	—	Libreville	Gabon
		10	ZQP	Lusaka	Zambia
4-865	61-66	2	PRC5	Belem	Brazil
		10	YDR	Ambon, Moluccas	Indonesia
4-866	61-65	1	CSA93	Punta Delgada	Azores
4-868	61-63	1	CR6RN	Luanda	Angola
		1	HJFA	Pereira	Colombia
4-870	61-60	7-5	—	Colombo	Ceylon
		2	YVKP	Caracas	Venezuela
4-874	61-56	—	—	Orenburg, Russia	U.S.S.R.
4-875	61-55	5	ZYZ30	Rio de Janeiro	Brazil
		7-5	—	Kinshasha	Congo East
		30	—	Cotonou	Dahomey
4-877	61-53	—	—	Saigon	Vietnam (South)
4-880	61-48	1	H12JP	Santo Domingo	Dominican Rep.
		5	HCGB1	Quito	Ecuador
		10	VUL	Lucknow	India
		10	YDG	Surakarta, Java	Indonesia
		1	OCX4E	Lima	Peru
		7-5	YVKF	Caracas	Venezuela
4-885	61-41	1	ZYV50	Pocos de Caldas	Brazil
		10	ZGW85	Langata	Kenya
4-890	61-35	1	—	Dakar	Senegal
		4-7	YVKB	Caracas	Venezuela
4-895	61-29	5	CP75	La Paz	Bolivia
		2-5	PRF6	Manaos	Brazil
		3	HJCH	Bogota	Colombia
		8	—	Forte de France	Martinique

Mc/s	Metres	kW	Call	Station and Country	
(4·895)	(61·29)	10	—	Rawalpindi	Pakistan
		20	ZRG	Paradys	South Africa
4·897	61·26	2/10	VLX/W	Perth, W.A.	Australia
		1	HJAG	Barranquilla	Colombia
4·900	61·22	11	—	Colombo	Ceylon
		1	YDS	Gorontalo, Celebes	Indonesia
		15/120	—	Moscow, Russia	U.S.S.R.
		2	YVKP	Caracas	Venezuela
		1	YVQE	Ciudad Bolivar	Venezuela
4·905	61·16	5	ZYZ20	Rio de Janeiro	Brazil
		1	—	Phnompenh	Cambodia
		4	—	Fort Lamy	Chad
		10	—	Addis Ababa	Ethiopia
		7·5	—	Lourenço Marques	Mozambique
4·910	61·10	1	HJAG	Cali	Colombia
		3	HCIMJ	Quito	Ecuador
		4	—	Conakry	Guinea Rep.
		10/50	APK	Karachi	Pakistan
		15/120	—	Moscow, Russia	U.S.S.R.
4·911	61·09	10	ZQP	Lusaka	Zambia
4·915	61·04	1	ZYR60	Araruquara	Brazil
		1	HJEQ	Popayan	Colombia
		1·3/5	ZOY	Accra	Ghana
4·920	60·98	10	—	Quetta	Pakistan
		10	VLM/Q	Brisbane, Queensland	Australia
		10/100	VUM	Madras	India
		15/120	—	Moscow, Russia	U.S.S.R.
		5	YVKR	Caracas	Venezuela
4·925	60·94	1	ZYV32	Juiz de Fora	Brazil
		1	HJAP	Cartagena	Colombia
		7·5	CR7BU	Lourenço Marques	Mozambique
4·928	60·88	1	HCRC1	Quito	Ecuador
4·930	60·85	1	YDX2	Tandung Pinang, Sumatra	Indonesia
		7·5	—	Benghazi	Libya
		10/50	APK	Karachi	Pakistan
4·934	60·80	40	—	Kiev, Ukraine	U.S.S.R.
		10	ZGW71	Langata	Kenya
4·935	60·79	1	ZYI21	Natal	Brazil
		1	HJLF	Ibague	Colombia
		4	YVMQ	Barquisimeto	Venezuela
4·940	60·73	10	HCXZ1	Quito	Ecuador
		1	HRVS	Tegucigalpa	Honduras Rep.
		10	—	Gauhati, Assam	India
		5	—	Abidjan	Ivory Coast
		40	—	Kiev, Ukraine	U.S.S.R.
4·945	60·67	1	ZYE23	Braganca	Brazil
		1	HJCW	Bogota	Colombia
		3	YDA3	Bandoeng, Java	Indonesia
		20	—	Paradys	South Africa
4·950	60·61	2	—	Jammu	India
		5	ZGW86	Langata	Kenya
		20	—	Kuching, Sarawak	Malaysia
		4	—	Dakar	Senegal
		1	YVMM	Coro	Venezuela

Mc/s	Metres	kW	Call	Station and Country	
4·955	60·54	1	CR6RZ	Luanda	Angola
		2	PRF7	Campos	Brazil
4·957	60·49	50	HJCQ	Bogota	Colombia
		2	—	Baku, Azerbaijan	U.S.S.R.
4·960	60·48	15/240	—	Peking	China
		20/100	VUD	Delhi	India
4·964	60·46	1	YVQA	Cumana	Venezuela
		10	—	Lusaka	Zambia
4·965	60·45	7·5	—	Colombo	Ceylon
		1	HJAE	Cartagena	Colombia
4·968	60·39	20/100	VUD	Delhi	India
		10	—	Al Kuwait	Kuwait
4·970	60·36	5	VQA	Jesselton, Sabah	Malaysia
		1	YVLK	Caracas	Venezuela
4·971	60·34	1	—	Yaounde	Cameroon
4·975	60·30	2·5	ZYY9	Sao Luiz	Brazil
		250	—	Bloemendal	South Africa
4·980	60·25	5/8	—	Kampala	Uganda
		10	OQ2AC	Lubumbashi	Congo East
4·982	60·22	1	HI3K	Santiago	Dominican Rep.
		10/50	APK	Karachi	Pakistan
4·982	60·22	1	—	San Cristobal	Venezuela
		5	YDN2	Kutaradja, Sumatra	Indonesia
4·986	60·16	5	CP75	La Paz	Bolivia
4·989	60·12	10	—	Hyderabad	India
4·990	60·12	20	—	Lagos	Nigeria
		7·5/20	—	Omdurman	Sudan
4·995	60·06	5	YVMQ	Barquisimeto	Venezuela
		1	ZYY2	Goiana	Brazil
4·996	60·05	1	CR6RO	Silva Porto	Angola
5·005	59·94	15/240	—	Peking	China
5·006	59·94	25	—	Kabul	Afghanistan
5·010	59·88	4	—	Garoura	Cameroon
		10	HJCA	Bogota	Colombia
5·015	59·82	10	—	Addis Ababa	Ethiopia
		10	—	Singapore, Malaya	Malaysia
5·016	59·81	5	—	St. Georges, Grenada	Windward Is.
		10	—	Rio de Janeiro	Brazil
5·016	59·81	—	—	Arkhangelsk, Russia	U.S.S.R.
		20	—	Vladivostok, Russia	U.S.S.R.
5·020	59·76	—	—	Colombo	Ceylon
		1	HJFW	Manizales	Colombia
5·024	59·70	4	—	Niamey	Niger
		1	CR6RH	Sa da Bandeira	Angola
5·025	59·75	5	—	Bissao	Portuguese Guinea
		1	ZYX24	Aquidauana	Brazil
5·026	59·69	7·5	—	Kampala	Uganda
5·029	59·65	7·5	YVKM	Caracas	Venezuela
5·030	59·64	15/240	—	Peking	China
		1	YDM2	Bukittinggi, Sumatra	Indonesia
5·033	59·61	7·5	YDP	Medan, Sumatra	Indonesia
		1	CR6AA	Lobito	Angola
5·035	59·57	1	ZYW22	Goiana	Brazil
		4	—	Bangui	Central African Rep.
5·038	59·55	20	—	Kuching, Sarawak	Malaysia

Mc/s	Metres	kW	Call	Station and Country	
5-039	59-57	5	YVMA	Maracaibo	Venezuela
5-040	59-52	50	—	Rangoon	Burma
		10	—	Tiflis, Georgia	U.S.S.R.
5-042	59-50	1	CR6RF	Benguela	Angola
		1	HJBJ	Quibdo	Colombia
5-045	59-46	5	ZYP23	Rio de Janeiro	Brazil
		5	—	Bosnek, Biak	Dutch New Guinea
5-050	59-41	20	—	Dar-es-Salaam	Tanzania
		2.5	YVKD	Caracas	Venezuela
5-055	59-35	1	ZYO23	Vitoria	Brazil
		5	HJDW	Medellin	Colombia
5-060	59-29	1	CR6RD	Nova Lisboa	Angola
		1.5	4VDP	Les Gonaires	Haiti
		7.5	YDJ	Djakakarta, Java	Indonesia
		7.5	—	Hiswa	South Arabia
5-065	59-25	10	—	Petrozavodsk, Karelia	U.S.S.R.
5-075	59-11	25	HJGC	Sutatenza	Colombia
5-095	58-88	1	HJCG	Sutatenza	Colombia
5-110	58-71	1/50	—	Taipei	Formosa
5-182	57-89	1	OAX8K	Iquitos	Peru
5-220	57-47	15/240	—	Peking	China
5-260	57-03	15	—	Alma Ata, Kazakh	U.S.S.R.
5-290	56-71	20	—	Damascus	Syria
		—	—	Krasnoyarsk, Russia	U.S.S.R.
5-325	56-34	15/120	—	Moscow, Russia	U.S.S.R.
5-455	55-00	15/120	—	Moscow, Russia	U.S.S.R.
5-505	54-50	15/240	—	Peking	China
5-600	53-57	15/120	—	Moscow, Russia	U.S.S.R.
5-640	53-19	1	OAX10	Chiclayo	Peru
5-700	52-63	—	—	Pyongyang	Korea (North)
		20	—	Damascus	Syria
5-740	52-26	5	—	Erivan, Armenia	U.S.S.R.
5-750	52-20	1	CE8AA	Santiago	Chile
5-780	51-90	3	HC1FA	Quito	Ecuador
		15/120	—	Moscow, Russia	U.S.S.R.
5-874	51-07	1	HRN	Tegucigalpa	Honduras Rep.
5-880	51-08	15/240	—	Peking	China
5-900	50-85	10	—	Lubumbashi	Congo East
		100	—	Budapest	Hungary
		15/120	—	Moscow, Russia	U.S.S.R.
5-902	50-83	1	ZNB	Mafeking	Bechuanaland
5-910	50-76	15/120	—	Moscow, Russia	U.S.S.R.
5-915	50-72	15/240	—	Peking	China
5-920	50-70	15/120	—	Moscow, Russia	U.S.S.R.
5-925	50-63	1	—	Puerto Cattezas	Nicaragua
		15	—	Tashkent, Uzbek	U.S.S.R.
5-930	50-59	100	—	Podebrady	Czechoslovakia
		—	—	Arkhangelsk, Russia	U.S.S.R.
5-935	50-85	15/120	—	Moscow, Russia	U.S.S.R.
		10	—	Lubumbashi	Congo East
		—	—	Lhasa, Tibet	China
		100	—	Podebrady	Czechoslovakia
5-940	50-51	15/240	—	Peking	China
		15/120	—	Moscow, Russia	U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country			
5-950	50-38	15/240	—	Peking	China		
		100	—	Budapest	Hungary		
		100	—	Beida	Libya		
		50/100	—	Tunis	Tunisia		
		15/120	—	Moscow, Russia	U.S.S.R.		
5-952	50-40	25	—	Sana'a	Yemen		
5-953	50-39	5	TGNA	Guatemala City	Guatemala		
5-955	50-38	1	—	La Paz	Bolivia		
		7-5	ZYR226	Sao Paulo	Brazil		
		50	—	Sackville, N.B.	Canada		
		10	—	Lubumbashi	Congo East		
		10	—	Addis Ababa	Ethiopia		
		100	—	Allouis	France		
		20/100	—	Jülich	Germany (West)		
		7-5	—	Larissa	Greece		
		20/100	VUD	Delhi	India		
		50/100	—	Rome	Italy		
		8	—	Fort de France	Martinique		
		35/100	—	Tangier (V.o.A.)	Morocco		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		7-5/100	—	Warsaw	Poland		
		7-5	—	Juba	Sudan		
		2	—	Bangkok	Thailand		
		50	WBOU	Bound Brook, N.J.	U.S.A.		
		50	WDSI	Brentwood, N.Y.	U.S.A.		
		5-959	50-34	100	—	Amman	Jordan
		5-960	50-34	1	HJCF	Bogota	Colombia
1/50	BEC38			Taipei	Formosa		
75/100	—			Munich (V.o.A.)	Germany (West)		
100	—			Budapest	Hungary		
2	—			Jammu	India		
50/100	—			Rome	Italy		
100	—			Monte Carlo (T.W.R.)	Monaco		
25	—			Dakar	Senegal		
5	VQO2			Honiara	Solomon Islands		
50/500	—			Greenville, N. Carolina	U.S.A.		
—	—			Kaunas, Lithuania	U.S.S.R.		
—	—			Omsk, Russia	U.S.S.R.		
—	—			Sverdlovsk, Russia	U.S.S.R.		
50	—			Ulan Bator, Mongolia	U.S.S.R.		
5-965	50-29			7-5	ZYU60	Porto Alegre	Brazil
		10	ETLF	Addis Ababa	Ethiopia		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		50/100	—	Rome	Italy		
		100	—	Beida	Libya		
		1	YNWW	Granada	Nicaragua		
		50/100	—	Overseas Service*	U.K.		
		50/200	KCBB	Delano, Cal.	U.S.A.		
50/500	—	Greenville, N. Carolina	U.S.A.				
5-967	50-28	10	—	Lobatsi	Bechuanaland		
5-970	50-25	50	CKNA	Sackville, N.B.	Canada		
		3	FZI	Brazzaville	Congo West		
		7-5	HI4T	Santo Domingo	Dominican Rep.		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		10	—	Gauhati, Assam	India		

Mc/s	Metres	kW	Call	Station and Country			
(5-970)(50-25)		10	YDO2	Bandjermassin, Borneo	Indonesia		
		15/120	—	Moscow, Russia	U.S.S.R.		
5-975	50-21	—	—	Tashkent, Uzbek	U.S.S.R.		
		1	CP40	Cochabamba	Bolivia		
		10	ZYT44	Florianapolis	Brazil		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		7.5	—	Salonika	Greece		
		20/100	VUD	Delhi	India		
		10/50	APK	Karachi	Pakistan		
		1	ZPA6	Villarrica	Paraguay		
		50/100	CSA	Lisbon	Portugal		
		35/100	—	Okinawa (V.o.A.)	Ryukyu Island		
		4	—	Dakar	Senegal		
		2.5/20	—	Gwelo	Rhodesia		
		50/100	—	Overseas Service*	U.K.		
		20/80	WNYW	Boston, Mass.	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
5-980	50-17	10	HJLY	Medellin	Colombia		
		50/100	—	Cairo	Egypt		
		1/50	BED29	Taipei	Formosa		
		100	—	Allouis	France		
		20/100	DMQ6	Jülich	Germany (West)		
		2	ZFY	Georgetown	Guyana		
		2/100	—	Beirut	Lebanon		
		50	—	Monrovia (V.o.A.)	Liberia		
		5	VQA52	Jesselton, Sabah	Malaysia		
		10/100	—	Lopik-IJsselstein	Netherlands		
		7.5	APD	Dacca	Pakistan		
		50	APK	Karachi	Pakistan		
		100	—	Bucharest	Rumania		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
		10	—	Tiflis, Georgia	U.S.S.R.		
20	—	Vladivostok, Russia	U.S.S.R.				
5-985	50-12	5	LRS1	Buenos Aires	Argentina		
		10	HJGW	Tunja	Colombia		
		5/50	—	Brazzaville	Congo West		
		1/50	BED29	Taipei	Formosa		
		50/100	—	Rome	Italy		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		10/100	—	Lopik-IJsselstein	Netherlands		
		50	APK	Karachi	Pakistan		
		1	YSW	Santa Ana	Salvador		
		50/100	—	Overseas Service*	U.K.		
		50/200	KNBH	Dixon, Cal.	U.S.A.		
		25/100	HVJ	Vatican City	Vatican State		
		25	—	Sana'a	Yemen		
		5-990	50-08	50	CHAY	Sackville, N.B.	Canada
				100	—	Havana	Cuba
7.5	—			Salonika	Greece		
1	TGJA			Guatemala City	Guatemala		
10	—			Bhopal	India		
20/100	VUD			Delhi	India		
1	YDS2			Menado, Celebes	Indonesia		
50	—			Monrovia	Liberia		
100	—			Bucharest	Rumania		

Mc/s	Metres	kW	Call	Station and Country			
(5-990)(50-08)		100	—	Hörby	Sweden		
		50/100	MCU	Overseas Service*	U.K.		
5-991	50-07	100	—	Irkutsk, Russia	U.S.S.R.		
		25	—	Madrid	Spain		
5-995	50-04	10	—	Andorra	Andorra		
		100	—	Coquilhatville	Congo East		
5-997	50-04	1/50	—	Podebrady	Czechoslovakia		
		35	—	Taipei	Formosa		
		1	HRP1	Salonika (V.o.A.)	Greece		
		20/100	VUD	San Pedro Sula	Honduras Rep.		
		8	FZF6	Delhi	India		
		35/100	—	Fort de France	Martinique		
		1	YNDG	Tangier	Morocco		
		7-5/20	—	Leon	Nicaragua		
		50	WBOU	Omdurman	Sudan		
		110	WLWO	Bound Brook, N.J.	U.S.A.		
		50/500	—	Cincinnati, Ohio	U.S.A.		
		5-998	50-00	1	HJFQ	Greenville, N. Carolina	U.S.A.
		6-000	50-00	50	—	Pereira	Colombia
				2	—	Kabul	Afghanistan
6-005	49-96	1/50	OEI20	Novo Redondo	Angola		
		15/240	—	Innsbruck	Austria		
		4	—	Peking	China		
		20/100	—	Djibouti	French Somaliland		
		1	TGTA	Jülich	Germany (West)		
		1	4VEH	Guatemala City	Guatemala		
		7-5	—	Cap Haitien	Haiti		
		50/100	—	Swan Island	Swan Island		
		15/120	—	Overseas Service*	U.K.		
		5	CXA2	Moscow, Russia	U.S.S.R.		
		1	CFCX	Montevideo	Uruguay		
		7-5	—	Montreal, Quebec	Canada		
		100	—	Colombo	Ceylon		
		20	—	Podebrady	Czechoslovakia		
50/100	—	Berlin (R.I.A.S.)	Germany (West)				
260	—	Tokio	Japan				
7-5/100	—	Bonaire (T.W.R.)	Netherland Antilles				
20	—	Warsaw	Poland				
3-5	VPZ	Paradys	South Africa				
6-006	49-94	1	TIHBG	Marhubi	Tanzania		
6-007	49-93	2-5	XEOI	San Jose	Costa Rica		
6-010	49-92	1	CJCX	Mexico City	Mexico		
		5	CE601	Sydney, Nova Scotia	Canada		
6-015	49-88	10	HJFK	Antofagasta	Chile		
		10	—	Pereira	Columbia		
		10	—	Addis Ababa	Ethiopia		
		10	VUC	Calcutta	India		
		50/100	—	Rome	Italy		
		35/100	—	Okinawa (V.o.A.)	Ryukyu Is.		
		5	YSS	San Salvador	Salvador		
		50/100	—	Overseas Service*	U.K.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		5	PRA8	Recife	Brazil		
100	—	Havana	Cuba				
20/100	—	Jülich	Germany (West)				

Mc/s	Metres	kW	Call	Station and Country	
(6·015)	(49·88)	5	—	Singapore	Malaya
		7·5/10	APD	Dacca	Pakistan
		1	ZPA10	Concepcion	Paraguay
		50	—	Tunis	Tunisia
		50/80	WNYW	Boston, Mass.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
6·018	49·85	1	HI1Z	Santo Domingo	Dominican Rep.
6·020	49·83	10	HJCX	Bogota	Colombia
		75/100	—	Munich (V.o.A.)	Germany (West)
		1	TGDA	Quezaltenango	Guatemala
		1	HROW2	Tegucigalpa	Honduras Rep.
		2·5	—	Simla	India
		100	—	Amman	Jordan
		10/100	PCD	Lopik-IJsselstein	Netherlands
		7·5	ZL20	Wellington	New Zealand
		2·5/20	—	Gwelo	Rhodesia
		15/120	—	Moscow, Russia	U.S.S.R.
6·025	49·79	15/240	—	Peking	China
		20/100	DMQ6	Jülich	Germany (West)
		100	—	Amman	Jordan
		5	VSK2C	Kuala Lumpur, Malaya	Malaysia
		35/100	—	Tangier (V.o.A.)	Morocco
		10/100	—	Lopik-IJsselstein	Netherlands
		1	APL	Lahore	Pakistan
		1	ZPA10	Ascuncion	Paraguay
		50/100	CSA	Lisbon	Portugal
		50/100	—	Overseas Service*	U.K.
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
6·030	49·75	20	—	Mühlacker	Germany (West)
		7	TGTQ	Guatemala City	Guatemala
		100	—	Baghdad	Iraq
		1	XEHW	Morelia	Mexico
		2/50	DZH6	Bocau, Luzon	Philippines
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		15	—	Tashkent, Uzbek	U.S.S.R.
6·032	49·73	30	—	Libreville	Gabon
6·035	49·71	7·5	ZYZ26	Rio de Janeiro	Brazil
		50	—	Rangoon	Burma
		1	HRTL	Tela	Honduras Rep.
		10/100	VUB	Bombay	India
		10	—	Seoul	Korea (South)
		50	—	Monrovia (V.o.A.)	Liberia
		30	—	Nouakchott	Mauritania
		30	3AM3	Monte Carlo	Monaco
		10/100	—	Lopik-IJsselstein	Netherlands
		1	FK8AA	Noumea	New Caledonia
		50/100	GWS	Overseas Service*	U.K.
		50/500	—	Greenville, N. Carolina	U.S.A.
		15	—	Tashkent, Uzbek	U.S.S.R.
		1	CXA30	Montevideo	Uruguay
6·037	49·69	1·5	TIFC2	San Jose	Costa Rica
6·040	49·67	30	—	Yaounde	Cameroon
		10	HJLB	Ibague	Colombia

Mc/s	Metres	kW	Call	Station and Country		
(6.040)(49.67)		1/50	—	Taipei	Formosa	
		75/100	—	Munich (V.o.A.)	Germany (West)	
		35	—	Salonika (V.o.A.)	Greece	
		20/100	VUD	Delhi	India	
		35/100	—	Tangier (V.o.A.)	Morocco	
		50/100	—	Overseas Service*	U.K.	
		50/200	KCBR	Delano, Cal.	U.S.A.	
		50/200	KNBH	Dixon, Cal.	U.S.A.	
	6.045	49.63	7.5	ZYS33	Curityba	Brazil
			5	CE604	Antofagasta	Chile
7.5			—	Athens	Greece	
20/100			VUD	Delhi	India	
100			YDF	Djakarta, Java	Indonesia	
5			XETW	Tampico	Mexico	
1			HOU31	David	Panama	
7.5/100			—	Warsaw	Poland	
25			—	Ougadougou	Upper Volta	
10			CXA61	Montevideo	Uruguay	
50			WDSI	Brentwood, N.Y.	U.S.A.	
110			WLWO	Cincinnati, Ohio	U.S.A.	
50/500			—	Greenville, N. Carolina	U.S.A.	
15/120			—	Moscow, Russia	U.S.S.R.	
6.050			49.59	1/30	HCJB	Quito
	2	VTW2		Tarawa	Gilbert & Ellice Is.	
	10	HRLP		Tegucigalpa	Honduras Rep.	
	5	—		Lourenço Marques	Mozambique	
	100	—		Schwarzenburg	Switzerland	
	50/100	GSA		Overseas Service*	U.K.	
	20	—		Vladivostok, Russia	U.S.S.R.	
6.053	49.57	2.5	HJEX	Cali	Colombia	
6.055	49.55	1	CP18	Oruro	Bolivia	
		5	PRB21	Sao Paulo	Brazil	
		100	OLR	Podebrady	Czechoslovakia	
		5	JOZ2	Tokio	Japan	
		10/50	—	Al Kuwait	Kuwait	
		250	—	Kigali (D.W.)	Rwanda	
		100	HER2	Schwarzenburg	Switzerland	
		100	WLWO	Cincinnati, Ohio	U.S.A.	
		50/500	—	Greenville, N. Carolina	U.S.A.	
		10	—	Petrozavodsk, Karelia	U.S.S.R.	
		5	CXA53	Melo	Uruguay	
		6.060	49.50	25	LRA31	Buenos Aires
—	—			Berlin	Germany (East)	
75/100	—			Munich (V.o.A.)	Germany (West)	
1.5	TGXX			Quezaltenango	Guatemala	
—	—			Caltanissetta	Italy	
		50/100	—	Rome	Italy	
		5	—	Langata	Kenya	
		4/30	—	Niamey	Niger	
		10/20	—	Lusaka	Zambia	
		10	—	Brasilia	Brazil	
		7.5	ZYZ31	Rio de Janeiro	Brazil	
		20/100	VUD	Delhi	India	
		2	—	Ranchi	India	
		35/100	—	Tangier (V.o.A.)	Morocco	

Mc/s	Metres	kW	Call	Station and Country			
(6.065)	(49.46)	1	YNEQ	Managua	Nicaragua		
		100	—	Hörby	Sweden		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
6.070	49.42	50/500	—	Greenville, N. Carolina	U.S.A.		
		5	—	Sofia	Bulgaria		
		1	CFRX	Toronto, Ontario	Canada		
		5	CE607	Santiago	Chile		
		5	—	Bosnek, Biak	Dutch New Guinea		
		100	—	Tema	Ghana		
		10/50	APK	Karachi	Pakistan		
		4	—	Ziguinchor	Senegal		
		2	—	Bangkok	Thailand		
		50/100	GRR	Overseas Service*	U.K.		
6.075	49.38	35	—	Colombo	Ceylon		
		10	HJGT	Sutatenza	Colombia		
		1	TIGG	San Jose	Costa Rica		
		20	DMR27	Osterloog	Germany (West)		
		7.5	—	Athens	Greece		
		100	—	Honolulu (V.o.A.)	Hawaii		
		50	—	Monrovia (V.o.A.)	Liberia		
		35/100	—	Okinawa (V.o.A.)	Ryukyu Is.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		20	—	Vladivostok, Russia	U.S.S.R.		
6.080	49.34	2.5	CXA3	Montevideo	Uruguay		
		50	—	Algiers	Algeria		
		2	—	Vancouver, Nfd.	Canada		
		10	—	Kisangani	Congo East		
		50/100	—	Cairo	Egypt		
		—	—	Berlin	Germany (East)		
		1.5	TGSM	S. Marcos	Guatemala		
		50/100	—	Baghdad	Iraq		
		50/100	—	Tokio	Japan		
		100	—	Amman	Jordan		
35/100	—	Tangier (V.o.A.)	Morocco				
6.082	49.33	7.5	ZL7	Wellington	New Zealand		
		1	CSB51	Lisbon	Portugal		
		100	—	Schwarzenburg	Switzerland		
		50/100	MCV	Overseas Service*	U.K.		
		50	—	Komsomolsk, Russia	U.S.S.R.		
		6.085	49.30	15	OAX4Z	Lima	Peru
				16	ZYK2	Recife	Brazil
		6.090	49.26	10	—	Munich (B.R.)	Germany (West)
				10/100	VUM	Madras	India
				10	—	Langata	Kenya
260	—			Bonaire (T.W.R.)	Netherland Antilles		
10/100	—			Lopik-IJsselstein	Netherlands		
50/200	KNBH			Dixon, Cal.	U.S.A.		
40	—			Kiev, Ukraine	U.S.S.R.		
—	—			Tallinn, Estonia	U.S.S.R.		
50	LRY			Buenos Aires	Argentina		
2	VLI6			Sydney, N.S.W.	Australia		
6.090	49.26	1	—	Pnompenh	Cambodia		
		1/50	—	Taipei	Formosa		
		50	—	Monrovia	Liberia		
		5	—	Luxembourg	Luxembourg		

Mc/s	Metres	kW	Call	Station and Country	
(6·090)(49·26)		10	—	Kaduna	Nigeria
		50/100	—	Overseas Service*	U.K.
6·095	49·22	—	—	Simferopol, Russia	U.S.S.R.
		25	ZYB7	Sao Paulo	Brazil
		1	YSC	San Salvador	Salvador
		20	—	Paradys	South Africa
		100	—	Hörby	Sweden
		50/200	KCBR	Delano, Cal.	U.S.A.
6·100	49·18	50/500	—	Greenville, N. Carolina	U.S.A.
		30	—	Bangui	Central African Rep.
		20/100	—	Jülich	Germany (West)
		20/100	VUD	Delhi	India
		50/100	—	Rome	Italy
		5	—	St. Georges, Grenada	Windward Is.
6·103	49·16	10	YUA	Belgrade	Yugoslavia
		1/50	BEC32	Taipei	Formosa
6·105	49·14	5	ZYN6	Fortaleza	Brazil
		1	HJNV	Medellin	Colombia
6·108	49·12	100	—	Beirut	Lebanon
		100	—	Schwarzenburg	Switzerland
		50	WBOU	Bound Brook, N.J.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		15/240	—	Peking	China
		6·110	49·10	5	CE611
6·115	49·06	1	HI1Z	Santo Domingo	Dominican Rep.
		20/100	DMQ6	Jülich	Germany (West)
		7·5	—	Srinagar	Kashmir
		7·5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		1	ZPA11	Ascuncion	Paraguay
		2	YVKQ	Caracas	Venezuela
		50	—	Tunis	Tunisia
		50/100	GSL	Overseas Service*	U.K.
		2	—	Baku, Azerbaijan	U.S.S.R.
		100	ZYC7	Rio de Janeiro	Brazil
6·120	49·02	1	FLA6	Duala	Cameroon
		1	HJNE	Cali	Colombia
		100	—	Berlin	Germany (East)
		35/100	—	Tangier (V.o.A.)	Morocco
		5	—	Lourenço Marques	Mozambique
		20	—	Khabarovsk, Russia	U.S.S.R.
		2	CXA73	Montevideo	Uruguay
		1	—	Saigon	Vietnam (South)
		1	LRX1	Buenos Aires	Argentina
		100	—	Wavre	Belgium
6·125	48·98	7·5	ZJM4	Limassol	Cyprus
		15	OIX7	Pori	Finland
		1	—	Cap Haitien	Haiti
		20/100	VUD	Delhi	India
		10	—	Hyderabad	India
		5	YDI4	Surabaya, Java	Indonesia
		35/100	—	Tangier (V.o.A.)	Morocco
		2/50	—	Bocaue, Luzon	Philippines
		100	—	Schwarzenburg	Switzerland
		10	PRG9	Sao Paulo	Brazil
1	CP15	La Paz	Bolivia		

Mc/s	Metres	kW	Call	Station and Country			
(6-125)	(48-98)	15/240	—	Peking	China		
		1	HJKE	Bogota	Colombia		
		10	—	Luluabourg, Kasai	Congo East		
		50/100	—	Cairo	Egypt		
		1	HRQ	San Pedro	Honduras Rep.		
		50/100	—	Rome	Italy		
		50	—	Tangier	Morocco		
		35/100	—	Poro (V.o.A.)	Philippines		
		50/100	GWA	Overseas Service*	U.K.		
		—	—	Kaunas, Lithuania	U.S.S.R.		
		20	—	Vladivostok, Russia	U.S.S.R.		
		10	CXA	Montevideo	Uruguay		
6-130	48-94	1	CHNX	Halifax, Nova Scotia	Canada		
		35	—	Colombo	Ceylon		
		20/100	VUD	Delhi	India		
		10	—	Gauhati, Assam	India		
		50/100	—	Tokio	Japan		
		1	—	Vicntiane	Laos		
		10/100	LKJ	Fredrikstad	Norway		
		2	VLT6	Port Moresby	Papua		
		100	—	Madrid	Spain		
		6-133	48-92	7.5	ZHP	Kuala Lumpur, Malaya	Malaysia
		6-135	48-90	1	CR6RU	Carmona	Angola
				7.5	PRC21	Porto Alegre	Brazil
1	HJEV			Cali	Colombia		
100	—			Podebrady	Czechoslovakia		
100	ETLF			Addis Ababa	Ethiopia		
75/100	—			Munich (V.o.A.)	Germany (West)		
4	—			Tananarive	Madagascar		
35/100	—			Tangier (V.o.A.)	Morocco		
7.5/100	—			Warsaw	Poland		
1	FO8AA			Papeete	Tahiti		
—	—			Krasnoyarsk, Russia	U.S.S.R.		
6-136	48-89			5	—	Ulan Bator, Mongolia	U.S.S.R.
6-139	48-87	100	—	Madrid	Spain		
6-140	48-86	2/10	VLW/X	Perth, W.A.	Australia		
		20/100	ORU	Wavre	Belgium		
		100	—	Addis Ababa	Ethiopia		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		1	TGHC	Guatemala City	Guatemala		
		20/100	VUD	Delhi	India		
		10/100	—	Tokio	Japan		
		1	—	Benghazi	Libya		
		35/100	—	Tangier (V.o.A.)	Morocco		
		1	YNWA	Managua	Nicaragua		
		20	—	Damascus	Syria		
		50	WBOU	Bound Brook, N.J.	U.S.A.		
15/120	—	Moscow, Russia	U.S.S.R.				
10	CXA5	Montevideo	Uruguay				
6-145	48-82	50	—	Algiers	Algeria		
		100	—	Allouis	France		
		20/100	—	Julich	Germany (West)		
		2.5	—	Enugu	Nigeria		
		35/100	—	Okinawa (V.o.A.)	Ryukyu Is.		
		50/200	KNBH	Dixon, Cal.	U.S.A.		

Mc/s	Metres	kW	Call	Station and Country	
(6·145)	(48·82)	50/500	—	Greenville, N. Carolina	U.S.A.
		25/100	HVJ	Vatican City	Vatican State
6·146	48·80	50	PRL9	Rio de Janeiro	Brazil
6·150	48·78	50	—	Algiers	Algeria
		10	VLG/H	Lyndhurst, Victoria	Australia
		5	CE615	Valparaiso	Chile
		2	TIRH	San Jose	Costa Rica
		100	ETLF	Addis Ababa	Ethiopia
		20/100	VUD	Delhi	India
		1	—	Vientiane	Laos
		35/100	—	Tangier (V.o.A.)	Morocco
		100	—	Bucharest	Rumania
		250	—	Bloemendal	South Africa
		100	—	Madrid	Spain
		7·5/20	—	Omdurman	Sudan
		50/100	GRW	Overseas Service*	U.K.
		50/500	—	Greenville, N. Carolina	U.S.A.
		100	YUA	Belgrade	Yugoslavia
6·153	48·76	7·5	EQR2	Tabriz	Iran
6·155	48·74	4	OEI21	Vienna	Austria
		1	CP12	La Paz	Bolivia
		35	—	Salonika (V.o.A.)	Greece
		18/100	—	Conakry	Guinea Rep.
		1	TGUC	Tegucigalpa	Honduras Rep.
		50	—	Baghdad	Iraq
		10	—	Tokio	Japan
		10	CSB52	Lisbon	Portugal
		4	—	Lome	Togoland
		110	WLWO	Cincinnati, Ohio	U.S.A.
		—	—	Lwow, Ukraine	U.S.S.R.
		5	—	Tashkent, Uzbek	U.S.S.R.
6·156	48·74	5	CXA13	Montevideo	Uruguay
6·160	48·70	50	—	Algiers	Algeria
		—	—	Vancouver, Nfd.	Canada
		5	HJKJ	Bogota	Colombia
		75/100	—	Munich (V.o.A.)	Germany (West)
		20/100	—	Jülich	Germany (West)
		50	—	Baghdad	Iraq
		50/100	—	Overseas Service*	U.K.
		20	—	Vladivostok, Russia	U.S.S.R.
6·165	48·66	7·5	ZYR58	Sao Paulo	Brazil
		30	—	Fort Lamy	Chad
		10	XEWW	Mexico City	Mexico
		100	HER3	Schwarzenburg	Switzerland
		20	—	Damascus	Syria
		40	—	Kiev, Ukraine	U.S.S.R.
		12	—	Saigon	Vietnam (South)
6·170	48·62	5	—	Sofia	Bulgaria
		7·5	ZJM5	Limassol	Cyprus
		1	FZC46	Cayenne	French Guiana
		75/100	—	Munich (V.o.A.)	Germany (West)
		10	—	Lucknow	India
		5	ZGW	Langata	Kenya
		4	—	Tananarive	Madagascar
		35/100	—	Tangier (V.o.A.)	Morocco

Mc/s	Metres	kW	Call	Station and Country		
(6-170)	(48-62)	260	—	Bonaire (T.W.R.) Netherland Antilles		
		35/100	—	Okinawa (V.o.A.) Ryukyu Is.		
		1	CXA21	Montevideo Uruguay		
6-174	48-59	2	YVKO	Caracas Venezuela		
		7-5	—	Tabriz Iran		
6-175	48-58	2-5	—	Kaduna Nigeria		
		100	—	Allouis France		
		75/100	—	Munich (V.o.A.) Germany (West)		
		20/100	—	Jülich Germany (West)		
		50/100	—	Tokio Japan		
		7-5/100	—	Tebrau, Malaya Malaysia		
		260	—	Bonaire (T.W.R.) Netherland Antilles		
		50/500	—	Greenville, N. Carolina U.S.A.		
		50	WDSI	Wayne, N.J. U.S.A.		
		6-180	48-54	10	LRA34	Mendoza Argentina
1/50	—			Taipei Formosa		
1	TGZB			Guatemala City Guatemala		
20/100	VUD			Delhi India		
7-5	—			Tabriz Iran		
35/100	—			Tangier (V.o.A.) Morocco		
5	—			Malaga Spain		
50/100	GRO			Overseas Service* U.K.		
50/500	—			Greenville, N. Carolina U.S.A.		
50	WDSI			Wayne, N.J. U.S.A.		
10	HJCT			Bogota Colombia		
6-183	48-52			1	CP9	La Paz Bolivia
				10	ZYR77	Sao Paulo Brazil
6-185	48-50	35	—	Colombo Ceylon		
		1	ETAA	Addis Ababa Ethiopia		
		20/100	—	Jülich Germany (West)		
		35	—	Salonika (V.o.A.) Greece		
		10	—	Ibadan Nigeria		
		10/100	LLI	Fredrikstad Norway		
		50	—	Malolos, Luzon (V.o.A.) Philippines		
		100	CSA	Lisbon Portugal		
		50/200	KCBR	Delano, Cal. U.S.A.		
		6-190	48-47	5	CE619	Santiago Chile
				100	—	Podebrady Czechoslovakia
				—	—	Berlin Germany (East)
				10	—	Bremen Germany (West)
20/100	VUD			Delhi India		
50/100	—			Tokio Japan		
50	—			Tangier Morocco		
100	—			Bucharest Rumania		
50/100	—			Overseas Service* U.K.		
110	WLWO			Cincinnati, Ohio U.S.A.		
50/500	—			Greenville, N. Carolina U.S.A.		
—	—			Omsk, Russia U.S.S.R.		
6-195	48-43			10	—	Usumbura Burundi
		5	HJEZ	Cali Colombia		
		10	YDL3	Padang, Sumatra Indonesia		
		—	—	Pyongyang Korea (North)		
		100	—	Bucharest Rumania		
		50/100	GRN	Overseas Service* U.K.		
		2	—	Baku, Azerbaijan U.S.S.R.		

Mc/s	Metres	kW	Call	Station and Country	
6-197	48-42	50	—	Tunis	Tunisia
6-200	48-39	15/240	—	Peking	China
		1.5	4VHW	Port au Prince	Haiti
		20	—	Damascus	Syria
6-205	48-35	15/120	—	Moscow, Russia	U.S.S.R.
		1	HCF16	Ambato	Ecuador
6-210	48-31	50	—	Tunis	Tunisia
		15/240	—	Peking	China
6-215	48-27	1	OAX7A	Cuzco	Peru
		1	TIGPH	San Jose	Costa Rica
6-225	48-19	15/240	—	Peking	China
6-235	48-12	100	—	Budapest	Hungary
		10/50	APK	Karachi	Pakistan
6-240	48-10	5	—	Santa Isabel	Spanish Guinea
6-244	48-05	10/50	APK	Karachi	Pakistan
6-250	48-00	—	—	Pyongyang	Korea (North)
		100	—	Ankara	Turkey
6-253	47-98	12	—	Hanoi	Vietnam (North)
6-270	47-85	15/240	—	Peking	China
6-296	47-65	7.5	OTMI	Kinshasha	Congo East
6-305	47-58	15/120	—	Moscow, Russia	U.S.S.R.
6-306	47-57	25	—	Andorra	Andorra
6-308	47-56	1	H18Z	Santiago	Dominican Rep.
6-312	47-51	—	—	Berlin	Germany (East)
6-345	47-29	15/240	—	Peking	China
6-403	46-88	3	—	Tirana	Albania
		15/240	—	Peking	China
6-434	46-63	1	COCW	Havana	Cuba
6-595	45-49	15/240	—	Peking	China
6-603	45-40	100	TAZ	Ankara	Turkey
6-635	45-21	4	—	Dakar	Senegal
6-700	44-78	1	—	Chichayo	Peru
6-790	44-18	15/240	—	Peking	China
		15	—	Alma Ata, Kazakh	U.S.S.R.
6-840	43-86	—	—	Huhetot, Inner Mongolia	China
6-861	43-73	50/100	—	Jidda	Saudi Arabia
6-870	43-67	15	—	Alma Ata, Kazakh	U.S.S.R.
6-925	43-32	15/240	—	Peking	China
6-940	43-31	—	—	Huhetot, Inner Mongolia	China
6-950	43-30	5	—	Bissao	Portuguese Guinea
6-975	43-01	50/100	—	Jidda	Saudi Arabia
6-985	42-96	—	—	Huhetot, Inner Mongolia	China
6-990	42-93	15/120	—	Moscow, Russia	U.S.S.R.
6-995	42-89	15/240	—	Peking	China
		3	EFE17	Valencia	Spain
7-008	42-81	50	APK	Karachi	Pakistan
7-010	42-79	12	—	Hanoi	Vietnam (North)
7-018	42-75	1	EFE1	Valladolid	Spain
7-031	42-64	1	—	Istanbul	Turkey
7-032	42-66	100	—	Teheran	Iran
7-035	42-65	15/240	—	Peking	China
7-051	42-54	50/100	—	Cairo	Egypt
7-060	42-49	—	—	Urumchi	China
		15/240	—	Peking	China
		15/120	—	Moscow, Russia	U.S.S.R.

Mc/s	Mctres	kW	Call	Station and Country	
7-073	42-42	50	IBK	Mogadishu	Somali
7-075	42-40	50/100	—	Cairo	Egypt
7-080	42-37	15/240	—	Peking	China
7-085	42-35	15/120	—	Moscow, Russia	U.S.S.R.
7-088	42-33	3	—	Tirana	Albania
7-091	42-31	20	—	Teheran	Iran
7-095	42-28	—	—	Urumchi	China
7-097	42-27	15/120	—	Moscow, Russia	U.S.S.R.
7-100	42-25	15/240	—	Peking	China
		100	—	Allouis	France
		—	—	Janina	Greece
		12/120	—	Moscow, Russia	U.S.S.R.
		5	—	Tashkent, Uzbek	U.S.S.R.
7-105	42-22	5/50	—	Brazzaville	Congo West
		20/100	VUD	Delhi	India
		20	YDJ2	Djokjakarta, Java	Indonesia
		100	—	Teheran	Iran
		4	—	Tananarive	Madagascar
		5	—	Jawalakhel	Nepal
		30	—	Niamey	Niger
		*100	—	Madrid	Spain
		1	—	Bangkok	Thailand
		50/100	—	Overseas Service*	U.K.
7-110	42-19	35	—	Colombo	Ceylon
		10	—	Kuala Lumpur, Malaya	Malaysia
		7-5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		35/100	—	Tangier (V.o.A.)	Morocco
		10	—	Rawalpindi	Pakistan
		100	—	Schwarzenburg	Switzerland
		50/100	MCS	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.
		7-5	—	Kampala	Uganda
7-115	42-16	100	—	Podebrady	Czechoslovakia
		20/100	VUD	Delhi	India
		50	—	Sebaa Aioun	Morocco
7-120	42-13	1	CR6RO	Silva Porto	Angola
		50	—	Rangoon	Burma
		—	—	Limassol	Cyprus
		100	—	Podebrady	Czechoslovakia
		100	ETLF	Addis Ababa	Ethiopia
		100	—	Allouis	France
		10/100	VUB	Bombay	India
		10	YDU6	Denpassar, Bali	Indonesia
		7-5/100	—	Tebrau, Malaya	Malaysia
		50/100	GRM	Overseas Service*	U.K.
		—	—	Lwow, Ukraine	U.S.S.R.
		15/120	—	Moscow, Russia	U.S.S.R.
7-125	42-11	20/100	—	Jülich	Germany (West)
		18	—	Conakry	Guinea Rep.
		20/100	VUD	Delhi	India
		5	ZGW89	Langata	Kenya
		35/100	—	Tangier (V.o.A.)	Morocco
		10/100	—	Lopik-IJsselstein	Netherlands
		7-5/100	—	Warsaw	Poland
		50/100	—	Overseas Service*	U.K.

Mc/s	Metres	kW	Call	Station and Country	
(7·125)	(42·11)	5	—	Erivan, Armenia	U.S.S.R.
7·130	42·07	50	—	Kinshasha	Congo East
		—	—	Limassol	Cyprus
		—	—	Berlin	Germany (East)
		20/50	—	Lampertheim (R.L.)	Germany (W.)
		75/100	—	Munich (V.o.A.)	Germany (West)
		10/50	APK	Karachi	Pakistan
		10	—	Peshawar	Pakistan
		100	CSA55	Lisbon	Portugal
		50/100	—	Overseas Service*	U.K.
		—	—	Krasnoyarsk, Russia	U.S.S.R.
		—	—	Minsk, Byelorussia	U.S.S.R.
7·135	42·05	100	—	Teheran	Iran
		10/100	—	Abidjan	Ivory Coast
		7·5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		30	3AM4	Monte Carlo	Monaco
		35/100	—	Tangier (V.o.A.)	Morocco
		4/30	—	Niamey	Niger
		50	—	Malolos, Luzon (V.o.A.)	Philippines
7·140	42·02	100	—	Wavre	Belgium
		—	—	Limassol	Cyprus
		50/100	—	Cairo	Egypt
		20/100	VUD	Delhi	India
		10	—	Hyderabad	India
		1	YDR2	Ambon, Moluccas	Indonesia
		7·5	APD	Dacca	Pakistan
		50/100	—	Overseas Service*	U.K.
		—	—	Minsk, Byelorussia	U.S.S.R.
		—	—	Riga, Latvia	U.S.S.R.
7·145	41·99	1	—	Vientiane	Laos
		10	—	Kuala Lumpur, Malaya	Malaysia
		50	—	Bamako	Mali
		7·5/100	—	Warsaw	Poland
7·150	41·96	20/100	—	Jülich	Germany (West)
		5	ZGW90	Langata	Kenya
		50	—	Mogadishu	Somali
		50/100	GRT	Overseas Service*	U.K.
7·155	41·93	20/100	VUD	Delhi	India
		100	—	Amman	Jordan
		4	FIQA	Tananarive	Madagascar
		100	—	Bucharest	Rumania
		35	—	Okinawa (V.o.A.)	Ryukyu Is.
		50/100	—	Overseas Service*	U.K.
7·160	41·90	1	CR6RB	Nova Lisboa	Angola
		100	—	Allouis	France
		10/100	—	Madras	India
		20	—	Kuching, Sarawak	Malaysia
		100	—	Lisbon	Portugal
		35/100	—	Okinawa (V.o.A.)	Ryukyu Is.
		1	—	Bangkok	Thailand
		—	—	Lwow, Ukraine	U.S.S.R.
7·165	41·87	20/100	VUD	Delhi	India
		100	—	Beida	Libya
		5	—	Kathmandu	Nepal
		10/100	—	Lopik-IJsselstein	Netherlands

Mc/s	Metres	kW	Call	Station and Country	
(7·165)(41·87)		10	—	Enugu	Nigeria
		20/100	—	Lagos	Nigeria
		20	—	Dar-es-Salaam	Tanzania
		1	—	Bangkok	Thailand
		5	—	Tashkent, Uzbek	U.S.S.R.
7·170	41·84	15/240	—	Peking	China
		20/50	—	Lampertheim (R.L.)	Germany (W.)
		20/100	VUD	Delhi	India
		22·5	—	Singapore, Malaya	Malaysia
		35/100	—	Tangier (V.o.A.)	Morocco
		4	—	Dakar	Senegal
		50/100	—	Overseas Service*	U.K.
		20	—	Vladivostok, Russia	U.S.S.R.
7·175	41·81	4/50	—	Brazzaville	Congo West
		50	—	Kinshasha	Congo East
		20/100	—	Jülich	Germany (West)
		7·5/100	—	Djakarta, Java	Indonesia
		—	—	Caltanissetta	Italy
7·180	41·78	50	—	Malolos, Luzon (V.o.A.)	Philippines
		35/100	—	Poro (V.o.A.)	Philippines
		2·5/20	—	Gwelo	Rhodesia
		50/100	—	Cairo	Egypt
		1/50	BEG22	Taipei	Formosa
		20/100	VUD	Delhi	India
		50/100	—	Baghdad	Iraq
		5	VQA54	Jesselton, Sabah	Malaysia
7·185	41·75	100	ETLF	Addis Ababa	Ethiopia
		20/100	VUD	Delhi	India
		100	3AM5	Monte Carlo	Monaco
		20	—	Paradys	South Africa
		50/100	GRK	Overseas Service*	U.K.
7·190	41·72	15/120	—	Moscow, Russia	U.S.S.R.
		—	—	Sverdlovsk, Russia	U.S.S.R.
		100	—	Shepparton, Victoria	Australia
		35	—	Colombo	Ceylon
		30	—	Cotonou	Dahomey
		20/100	VUD	Delhi	India
		50	4XB49	Tel Aviv	Israel
		50/100	—	Overseas Service*	U.K.
7·195	41·70	20/100	VUD	Delhi	India
		50/100	—	Tokio	Japan
		50	—	Monrovia (V.o.A.)	Liberia
		100	—	Bucharest	Rumania
		15/120	—	Moscow, Russia	U.S.S.R.
7·200	41·67	5/8	—	Kampala	Uganda
		50	—	Kabul	Afghanistan
		15/240	—	Peking	China
		1/50	BEC76	Taipei	Formosa
		75/100	—	Munich (V.o.A.)	Germany (West)
		10	—	Kuala Lumpur, Malaya	Malaysia
		35/100	—	Tangier (V.o.A.)	Morocco
		10/50	APK	Karachi	Pakistan
		7·5/20	—	Omdurman	Sudan
		50/100	GWZ	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country	
(7·200)	(41·67)	—	—	Tiflis, Georgia	U.S.S.R.
		100	—	Belgrade	Yugoslavia
7·205	41·64	1	CR6RO	Silva Porto	Angola
		100	—	Wavre	Belgium
		10	—	Lubumbashi	Congo East
		20/100	—	Jülich	Germany (West)
		35	—	Salonika (V.o.A.)	Greece
		20/100	VUD	Delhi	India
		5	CR7RB	Beira	Mozambique
		5	—	Lagos	Nigeria
		15/120	—	Moscow, Russia	U.S.S.R.
		1	—	Hue	Vietnam (South)
7·210	41·61	0·25/10	VUC	Calcutta	India
		5	YDH3	Semarang, Java	Indonesia
		50/100	—	Baghdad	Iraq
		10	ZGW91	Langata	Kenya
		5	—	Lourenço Marques	Mozambique
		10/100	—	Lopik-IJsselstein	Netherlands
		4/25	—	Dakar	Senegal
		100	—	Hörby	Sweden
		100	HEI3	Schwarzenburg	Switzerland
		50/100	GWL	Overseas Service*	U.K.
7·213	41·59	100	—	Budapest	Hungary
7·215	41·58	1/50	BEC27	Taipei	Formosa
		20/100	VUD	Delhi	India
		5	—	Abidjan	Ivory Coast
		100	—	Hörby	Sweden
7·220	41·55	50/100	VLA/D	Shepparton, Victoria	Australia
		30	—	Bangui	Central African Rep.
		20/50	—	Lampertheim (R.L.)	Germany (W.)
		7·5/100	YDF5	Djakarta, Java	Indonesia
		35/100	—	Tangier (V.o.A.)	Morocco
		35/100	—	Poro (V.o.A.)	Philippines
		50	—	Riyadh	Saudi Arabia
		100	—	Schwarzenburg	Switzerland
		50/100	—	Overseas Service*	U.K.
		20	—	Khabarovsk, Russia	U.S.S.R.
		20	ZQP	Lusaka	Zambia
7·225	41·52	1/50	—	Taipei	Formosa
		20/100	VUD	Delhi	India
		10	—	Sebaa Aioun	Morocco
		1	APL	Lahore	Pakistan
		35/100	—	Poro (V.o.A.)	Philippines
		50/100	—	Lisbon	Portugal
		100	—	Bucharest	Rumania
		250	—	Kigali (D.W.)	Rwanda
		50/100	—	Overseas Service*	U.K.
7·230	41·49	10	—	Bosnek, Biak	Dutch New Guinea
		50/100	—	Cairo	Egypt
		1/50	—	Taipei	Formosa
		20/100	—	Jülich	Germany (West)
		5	JKH	Tokio	Japan
		2/100	—	Bocaué, Luzon	Philippines
		100	—	Bucharest	Rumania
		20	—	Paradys	South Africa

Mc/s	Metres	kW	Call	Station and Country			
7·230	(41·49)	1	HSQ	Bangkok	Thailand		
		25	—	Ougadougou	Upper Volta		
		50/100	GSW	Overseas Service*	U.K.		
7·235	41·47	—	—	Lwow, Ukraine	U.S.S.R.		
		—	—	Riga, Latvia	U.S.S.R.		
		100	OLR	Podebrady	Czechoslovakia		
		100	ETLF	Addis Ababa	Ethiopia		
		20/100	VUD	Delhi	India		
		50/100	—	Rome	Italy		
		50	—	Monrovia (V.o.A.)	Liberia		
		100	—	Monte Carlo (T.W.R.)	Monaco		
		35/100	—	Tangier (V.o.A.)	Morocco		
		2/100	—	Bocau, Luzon	Philippines		
		35/100	—	Okinawa (V.o.A.)	Ryukyu Is.		
		25/100	—	Vatican City	Vatican State		
7·240	41·44	4	—	Garoua	Cameroon		
		100	ETLL	Addis Ababa	Ethiopia		
		100	—	Allouis	France		
		—	—	Berlin	Germany (East)		
		20/100	—	Jülich	Germany (West)		
		10/100	VUB	Bombay	India		
		20	YDP3	Medan, Sumatra	Indonesia		
		10	ZGW92	Langata	Kenya		
		2/100	—	Bocau, Luzon	Philippines		
		50/100	—	Overseas Service*	U.K.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		7·245	41·41	1	CR6RE	Malange	Angola
4	OEI22			Vienna	Austria		
20/50	—			Lampertheim (R.L.)	Germany (W.)		
100	—			Budapest	Hungary		
4	—			Nouakchott	Mauritania		
100	—			Monte Carlo (T.W.R.)	Monaco		
4	—			St. Denis	Reunion Is.		
50/100	—			Overseas Service*	U.K.		
15/120	—			Moscow, Russia	U.S.S.R.		
12	—			Saigon	Vietnam (South)		
7·250	41·38			50	—	Algiers	Algeria
				1/50	—	Taipei	Formosa
		75/100	—	Munich (V.o.A.)	Germany (West)		
		20/100	VUD	Delhi	India		
		50	—	Monrovia (V.o.A.)	Liberia		
		15	—	Singapore, Malaya	Malaysia		
		35/100	—	Tangier (V.o.A.)	Morocco		
		7·5	—	Lourenço Marques	Mozambique		
		7·5/10	APD	Dacca	Pakistan		
		50/100	GWJ	Overseas Service*	U.K.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		25/100	HVJ	Vatican City	Vatican State		
7·255	41·35	5	—	Sofia	Bulgaria		
		1/50	—	Taipei	Formosa		
		20/100	VUD	Delhi	India		
		20	YDJ2	Djakakarta, Java	Indonesia		
		100	3AM5	Monte Carlo (T.W.R.)	Monaco		
		35/100	—	Tangier (V.o.A.)	Morocco		
5	—	Lagos	Nigeria				

Mc/s	Metres	kW	Call	Station and Country	
(7.255)	(41.35)	50/100	—	Overseas Service*	U.K.
		5/8	—	Kampala	Uganda
7.260	41.32	4	—	Dzaoudzi	Comoro Isles
		50/100	—	Cairo	Egypt
		1/50	—	Taipei	Formosa
		10/100	VUM	Madras	India
		100	3AM5	Monte Carlo (T.W.R.)	Monaco
		250	—	Kigali (D.W.)	Rwanda
		50/100	GSU	Overseas Service*	U.K.
		20	—	Vladivostok, Russia	U.S.S.R.
		25/100	—	Vatican City	Vatican State
7.265	41.29	1/10	—	Luanda	Angola
		1.5	—	Bad Durrheim	Germany (West)
		20/100	VUD	Delhi	India
		7.5/100	—	Lourenço Marques	Mozambique
		100	—	Lomé	Togoland
		15/120	—	Moscow, Russia	U.S.S.R.
		12	—	Saigon	Vietnam (South)
7.270	41.27	1/50	—	Taipei	Formosa
		4	—	Libreville	Gabon
		20/100	VUD	Delhi	India
		7.5/100	YDB3	Djakarta, Java	Indonesia
		50/100	—	Baghdad	Iraq
		20	—	Kuching, Sarawak	Malaysia
		35/100	—	Tangier (V.o.A.)	Morocco
		7.5/100	—	Warsaw	Poland
		250	—	Bloemendal	South Africa
		12	SBO	Motala	Sweden
		50/100	—	Overseas Service*	U.K.
		5	—	Erivan, Armenia	U.S.S.R.
7.275	41.25	35	—	Colombo	Ceylon
		20/100	VUD	Delhi	India
		50/100	—	Rome	Italy
		7.5	—	Benghazi	Libya
		100	—	Monte Carlo (T.W.R.)	Monaco
		2.5	—	Kaduna	Nigeria
		50	APK	Karachi	Pakistan
		20	—	Paradys	South Africa
		1	—	Bangkok	Thailand
		25	—	Komsomolsk, Russia	U.S.S.R.
7.280	41.21	1/50	BEC24	Taipei	Formosa
		100	—	Allouis	France
		20/100	—	Jüllich	Germany (West)
		10	ZHP5	Kuala Lumpur, Malaya	Malaysia
		10	—	Peshawar	Pakistan
		10	—	Dar-es-Salaam	Tanzania
		50/100	GWN	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.
7.285	41.18	5	JKI	Tokio	Japan
		4/50	—	Bamako	Mali
		1	—	Ibadan	Nigeria
		7.5/10	APD	Dacca	Pakistan
		10/50	APK	Karachi	Pakistan
		50	—	Malolos, Luzon (V.o.A.)	Philippines
		100	TAS	Ankara	Turkey

Mc/s	Metres	kW	Call	Station and Country	
(7·285)	(41·18)	20	—	Khabarovsk, Russia	U.S.S.R.
		10	—	Lusaka	Zambia
7·290	41·15	2·5	ETAA	Addis Ababa	Ethiopia
		—	—	Berlin	Germany (East)
		20/100	VUD	Delhi	India
		50/100	—	Rome	Italy
		250	—	Kigali (D.W.)	Rwanda
		1	—	Bangkok	Thailand
		15/120	—	Moscow, Russia	U.S.S.R.
7·295	41·12	10	—	Lobatsi	Bechuanaland
		5	—	Berlin	Germany (East)
		100	—	Tema	Ghana
		20	YDQ3	Macassar, Celebes	Indonesia
		5	ZGW78	Kisumu	Kenya
		10/50	APK	Karachi	Pakistan
		—	—	Novosibirsk, Russia	U.S.S.R.
7·296	41·11	7·5	—	Athens	Greece
7·300	41·10	15/240	—	Peking	China
		50/100	—	Cairo	Egypt
		10/50	APK	Karachi	Pakistan
7·305	41·07	15/120	—	Moscow, Russia	U.S.S.R.
7·310	41·04	40	—	Kiev, Ukraine	U.S.S.R.
7·315	41·01	15/240	—	Peking	China
		15/120	—	Moscow, Russia	U.S.S.R.
7·320	40·98	50/100	—	Overseas Service*	U.K.
		40	—	Kiev, Ukraine	U.S.S.R.
		—	—	Minsk, Byelorussia	U.S.S.R.
7·325	40·96	—	—	Lanchow	China
		50/100	GRJ	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.
7·330	40·93	40	—	Kiev, Ukraine	U.S.S.R.
7·335	40·90	15/240	—	Peking	China
		15/120	—	Moscow, Russia	U.S.S.R.
7·340	40·87	1/50	BEC22	Taipei	Formosa
		2	—	Baku, Azerbaijan	U.S.S.R.
		15/120	—	Moscow, Russia	U.S.S.R.
7·345	40·85	100	OLR	Podebrady	Czechoslovakia
7·350	40·82	15/240	—	Peking	China
		15/120	—	Moscow, Russia	U.S.S.R.
7·357	40·78	100	—	Beirut	Lebanon
7·360	40·76	15/120	—	Moscow, Russia	U.S.S.R.
7·365	40·73	5	—	Ulan Bator, Mongolia	U.S.S.R.
7·370	40·71	40	—	Kiev, Ukraine	U.S.S.R.
7·380	40·65	—	—	Minsk, Byelorussia	U.S.S.R.
		15/120	—	Moscow, Russia	U.S.S.R.
7·385	40·62	—	—	Urumchi	China
7·390	40·60	15/120	—	Moscow, Russia	U.S.S.R.
7·395	40·57	15/120	—	Moscow, Russia	U.S.S.R.
7·399	40·54	20	—	Damascus	Syria
7·400	40·54	40	—	Kiev, Ukraine	U.S.S.R.
7·420	40·43	15/120	—	Moscow, Russia	U.S.S.R.
7·435	40·35	15/240	—	Peking	China
7·440	40·32	15/120	—	Moscow, Russia	U.S.S.R.
7·443	40·30	100	—	Schwarzenburg	Switzerland

Mc/s	Metres	kW	Call	Station and Country	
7-450	40-27	15/240	—	Peking	China
7-480	40-11	15/240	—	Peking	China
7-500	40-00	15/240	—	Peking	China
7-600	39-47	50/200	—	Madrid	Spain
7-620	39-37	15/240	—	Peking	China
7-625	39-34	1	—	Erzurum	Turkey
7-660	39-16	15/240	—	Peking	China
7-670	39-11	5	—	Sofia	Bulgaria
7-700	38-96	15/240	—	Peking	China
7-743	38-25	100	—	Schwarzenburg	Switzerland
7-747	38-23	50/100	—	Overseas Service*	U.K.
7-851	38-21	3	ZAA	Tirana	Albania
7-865	38-14	7-5/100	—	Warsaw	Poland
7-925	37-85	15/120	—	Moscow, Russia	U.S.S.R.
7-936	37-81	10	HLK52	Seoul	Korea (South)
7-990	37-55	1	EPU3	Ahwaz	Iran
8-008	37-46	2	FXE	Beirut	Lebanon
8-125	36-92	15/120	—	Moscow, Russia	U.S.S.R.
8-215	36-52	3	—	Scutari	Albania
8-660	34-64	15/240	—	Peking	China
9-009	33-31	50	4XB31	Tel Aviv	Israel
9-020	33-26	15/240	—	Peking	China
9-025	33-24	1	COBZ	Havana	Cuba
9-150	32-79	15/120	—	Moscow, Russia	U.S.S.R.
9-210	32-57	15/120	—	Moscow, Russia	U.S.S.R.
9-250	32-43	100	—	Al Kuwait	Kuwait
		15	—	Alma Ata, Kazakh	U.S.S.R.
9-317		50/100	—	Overseas Service*	U.K.
9-350	32-09	1	OAX6E	Arequipa	Peru
9-360	32-05	40	—	Madrid	Spain
9-362	32-04	1	COBC	Havana	Cuba
9-370	32-02	40	—	Madrid	Spain
9-375	32-00	20	—	Khabarovsk, Russia	U.S.S.R.
9-380	31-98	15/240	—	Peking	China
9-380	31-98	100	—	Madrid	Spain
		15	—	Alma Ata, Kazakh	U.S.S.R.
9-386	31-96	3	—	Tirana	Albania
9-390	31-95	15/240	—	Peking	China
9-410	31-88	50/100	GRI	Overseas Service*	U.K.
9-440	31-78	10	CP38	La Paz	Bolivia
9-450	31-75	15/120	—	Moscow, Russia	U.S.S.R.
9-453	31-74	2	OAX4W	Lima	Peru
9-456	31-72	15/240	—	Peking	China
		50/100	—	Cairo	Egypt
9-468	31-69	—	—	Urumchi	China
9-470	31-68	15/240	—	Peking	China
		1	OAX8E	Iquitos	Peru
		15/120	—	Moscow, Russia	U.S.S.R.
9-472	31-67	50	—	Sebaa Aioun	Morocco
9-475	31-66	50/100	—	Cairo	Egypt
9-480	31-65	15/240	—	Peking	China
		15/120	—	Moscow, Russia	U.S.S.R.
9-485	31-63	50	HI3U	Ciudad Trujillo	Dominican Rep.
9-490	31-61	15/120	—	Moscow, Russia	U.S.S.R.
9-493	31-60	50/100	—	Cairo	Egypt

Mc/s	Metres	kW	Call	Station and Country			
9-500	31-58	1	—	Arica	Chile		
		5	CE950	Santiago	Chile		
		50/100	—	Cairo	Egypt		
		20	—	Sabboura	Syria		
		50	—	Tunis	Tunisia		
9-502	31-58	1	CR6RF	Magadan, Russia	U.S.S.R.		
		5	—	Benguela	Angola		
9-505	31-57	5	CP38	La Paz	Bolivia		
		5	PRB22	Sao Paulo	Brazil		
		100	OLR3B	Podebrady	Czechoslovakia		
		50	HI4U	Santo Domingo	Dominican Rep.		
		10/20	—	Addis Ababa	Ethiopia		
		1/50	BEC24	Taipei	Formosa		
		50/100	JBD	Tokio	Japan		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		7-5	—	Omdurman	Sudan		
		10	YUC	Belgrade	Yugoslavia		
		9-510	31-55	50	—	Algiers	Algeria
				15/240	—	Peking	China
				10/50	APK	Karachi	Pakistan
100	—			Bucharest	Rumania		
7-5/20	—			Omdurman	Sudan		
1	—			Bangkok	Thailand		
50/100	GSB			Overseas Service*	U.K.		
—	—			Kazan, Tartar	U.S.S.R.		
4	YVXJ			Barquisimeto	Venezuela		
9-515	31-53			100	—	Wavre	Belgium
		—	—	Caltanissetta	Italy		
		10	—	Kuala Lumpur, Malaya	Malaysia		
		10	XEWW	Mexico City	Mexico		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		10/50	APK	Karachi	Pakistan		
		100	TAT	Ankara	Turkey		
		10	CXA71	Montevideo	Uruguay		
9-520	31-51	100	—	Colombo	Ceylon		
		50	OZF5	Copenhagen	Denmark		
		35	—	Salonika (V.o.A.)	Greece		
		10	—	Al Kuwait	Kuwait		
		35/100	—	Tangier (V.o.A.)	Morocco		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		2	VLT9	Port Moresby	Papua		
		50	WBOU	Bound Brook, N.J.	U.S.A.		
		50/80	WNYW	Boston, Mass.	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		—	—	Leningrad, Russia	U.S.S.R.		
5	—	St. Georges, Grenada	Windward Is.				
9-521	31-51	1	OAX4J	Lima	Peru		
9-523	31-50	20	—	Paradys	South Africa		
9-525	31-50	1/50	—	Vienna	Austria		
		50	—	Copenhagen	Denmark		
		—	—	Berlin	Germany (East)		
		50/100	JOB9	Tokio	Japan		
		10	—	Mexico City	Mexico		
		35/100	—	Tangier (V.o.A.)	Morocco		
		10/100	—	Lopik-IJsselstein	Netherlands		

Mc/s	Metres	kW	Call	Station and Country			
(9.525)(31.50)		7.5/100	—	Warsaw	Poland		
		10	—	Sabboura	Syria		
		50/100	GWJ	Overseas Service*	U.K.		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
9.530	31.48	50/500	—	Greenville, N. Carolina	U.S.A.		
		20/100	—	Jülich	Germany (West)		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		20/100	VUD	Delhi	India		
		10/100	—	Tokio	Japan		
		100	—	Amman	Jordan		
		10	—	Dar-es-Salaam	Tanzania		
		50/100	—	Overseas Service*	U.K.		
		50	WBOU	Bound Brook, N.J.	U.S.A.		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
		50/200	KCBR	Delano, Cal.	U.S.A.		
		—	—	Leningrad, Russia	U.S.S.R.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		9.535	31.46	1	YVMC	Maracaibo	Venezuela
20/100	VUD			Delhi	India		
10/100	—			Tokio	Japan		
10	—			Mexico City	Mexico		
100	—			Lagos	Nigeria		
1	DZ12			Manila, Luzon	Philippines		
35/100	—			Poro (V.o.A.)	Philippines		
100	HER4			Schwarzenburg	Switzerland		
—	—			Novosibirsk, Russia	U.S.S.R.		
9.540	31.44			10/100	—	Shepparton, Victoria	Australia
				10	—	Lubumbashi	Congo East
				100	OLR	Podebrady	Czechoslovakia
				100	—	Amman	Jordan
				35/100	—	Tangier (V.o.A.)	Morocco
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		7.5	ZL2	Wellington	New Zealand		
		7.5/100	—	Warsaw	Poland		
		1	YSV	San Salvador	Salvador		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		50	WDSI	Wayne, N.J.	U.S.A.		
		50	—	Petropavlovsk, Russia	U.S.S.R.		
		25/100	—	Vatican City	Vatican State		
		9.545	31.43	7.5	ZYS43	Curityba	Brazil
50/100	—			Cairo	Egypt		
20/100	—			Jülich	Germany (West)		
75/100	—			Munich (V.o.A.)	Germany (West)		
100	—			Tema	Ghana		
1.5	—			Port au Prince	Haiti		
20/100	VUD			Delhi	India		
100	—			Beirut	Lebanon		
260	—			Bonaire (T.W.R.)	Netherland Antilles		
10/50	APK			Karachi	Pakistan		
100	HER5			Schwarzenburg	Switzerland		
75/200	WLWO			Cincinnati, Ohio	U.S.A.		
50/500	—			Greenville, N. Carolina	U.S.A.		
15/120	—			Moscow, Russia	U.S.S.R.		
9.550	31.41	15/240	—	Peking	China		
		100	OLR3A	Podebrady	Czechoslovakia		

Mc/s	Metres	kW	Call	Station and Country			
(9-550)	(31-41)	—	—	Berlin	Germany (East)		
		20/100	VUD	Delhi	India		
		10/100	—	Tokio	Japan		
		10/100	LLD	Tromsö	Norway		
		2	OAX1Z	Tumbes	Peru		
		3-5	—	Marhubi	Tanzania		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		5	—	St. Georges, Grenada	Windward Is.		
		9-552	31-41	5	YSS	San Salvador	Salvador
		9-555	31-40	10	CP6	La Paz	Bolivia
10	—			Pori	Finland		
50	—			Baghdad	Iraq		
7-5/100	—			Tebrau, Malaya (B.B.C.)	Malaysia		
260	—			Bonaire (T.W.R.)	Netherland Antilles		
10	—			Ibadan	Nigeria		
20	—			Damascus	Syria		
50/100	—			Overseas Service*	U.K.		
50/80	WNYW			Boston, Mass.	U.S.A.		
15/120	—			Moscow, Russia	U.S.S.R.		
9-560	31-38	—	—	Orenburg, Russia	U.S.S.R.		
		120	—	Sofia	Bulgaria		
		100	—	Colombo	Ceylon		
		100	—	Addis Ababa	Ethiopia		
		100	—	Allouis	France		
		—	—	Berlin	Germany (East)		
		100	—	Amman	Jordan		
		100	—	Beida	Libya		
		4/25	—	Dakar	Senegal		
		50/100	—	Overseas Service*	U.K.		
9-565	31-37	50/200	KCBR	Delano, Cal.	U.S.A.		
		5/8	—	Kampala	Uganda		
		100	—	Havana	Cuba		
		20/50	—	Lampertheim (R.L.)	Germany (West)		
		15/100	—	Budapest	Hungary		
		100	—	Beida	Libya		
		20	—	Kuching, Sarawak	Malaysia		
		10	—	Mexico City	Mexico		
		35/100	—	Tangier (V.o.A.)	Morocco		
		40	OAX4R	Lima	Peru		
9-570	31-35	50	—	Malolos, Luzon (V.o.A.)	Philippines		
		15/120	—	Moscow, Russia	U.S.S.R.		
		100	—	Shepparton, Victoria	Australia		
		15/240	—	Peking	China		
		10/100	—	Allouis	France		
		10	—	Jaji	Nigeria		
		100	—	Bucharest	Rumania		
		50/100	GWX	Overseas Service*	U.K.		
		50/200	KNBH	Dixon, Cal.	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
9-575	31-35	10	YVOM	San Cristobal	Venezuela		
		10	—	Lusaka	Zambia		
		50	ZYZZ7	Rio de Janeiro	Brazil		
		100	ETLF	Addis Ababa	Ethiopia		
		20/100	—	Jülich	Germany (West)		
		20/100	VUD	Delhi	India		

Mc/s	Metres	kW	Call	Station and Country	
(9-575)(31-35)		50/100	—	Rome	Italy
		25/100	HVJ	Vatican City	Vatican State
9-580	31-32	100	VLH	Perth, Victoria	Australia
		10/100	—	Tokio	Japan
		7-5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		7-5/100	—	Lourenço Marques	Mozambique
		35/100	—	Poro (V.o.A.)	Philippines
		50/100	GSC	Overseas Service*	U.K.
		—	—	Kazan, Tartar	U.S.S.R.
9-585	31-30	50	PRG9	Sao Paulo	Brazil
		50	CKLP	Sackville, N.B.	Canada
		4	—	Fort Lamy	Chad
		100	OLR3A	Podebrady	Czechoslovakia
		100	—	Allouis	France
9-590	31-28	50	YDF6	Djakarta, Java	Indonesia
		50	—	Kabul	Afghanistan
		10/50	ELWA	Monrovia	Liberia
		5	—	Kathmandu	Nepal
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		10/100	PCJ	Lopik-IJsselstein	Netherlands
		100	—	Bucharest	Rumania
		50/100	—	Overseas Service*	U.K.
		50/500	—	Greenville, N. Carolina	U.S.A.
		7-5	—	Kampala	Uganda
9-595	31-26	15/240	—	Peking	China
		50/100	—	Cairo	Egypt
		10	JOZ3	Tokio	Japan
		50	—	Monrovia (V.o.A.)	Liberia
		100	—	Lagos	Nigeria
		35/100	—	Poro (V.o.A.)	Philippines
		100	—	Schwarzenburg	Switzerland
		50/500	—	Greenville, N. Carolina	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
		10	CXA72	Montevideo	Uruguay
9-598	31-25	2-5	CE960	Santiago	Chile
9-600	31-25	10/100	—	Shepparton, Victoria	Australia
		100	—	Wavre	Belgium
		20/100	VUD	Delhi	India
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		50/100	APK	Karachi	Pakistan
		50/100	GRY	Overseas Service*	U.K.
		50/200	KCBR	Delano, Cal.	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
		20	—	Vladivostok, Russia	U.S.S.R.
		25/100	HVJ	Vatican City	Vatican State
9-605	31-24	5	CP22	Potosi	Bolivia
		100	—	Allouis	France
		1/50	—	Taipei	Formosa
		20/100	—	Jülich	Germany (West)
		7-5	—	Athens	Greece
		10/100	—	Tokio	Japan
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		20	—	Paradys	South Africa
		100	—	Hörby	Sweden

Mc/s	Metres	kW	Call	Station and Country			
(9·605)	(31·24)	50/200	KCBR	Delano, Cal.	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
9·610	31·22	50	—	Algiers	Algeria		
		2/10	VLW/X	Perth, W. A.	Australia		
		4	OEI42	Vienna	Austria		
		25	ZYC8	Rio de Janeiro	Brazil		
		100	—	Addis Ababa	Ethiopia		
		20/100	—	Jülich	Germany (West)		
		30	—	Nouakchott	Mauritania		
		5	ZERQ	Mexico City	Mexico		
		35/100	—	Tangier (V.o.A.)	Morocco		
		10/100	LLG	Fredrikstad	Norway		
		1	OAX8C	Iquitos	Peru		
		50/100	—	Overseas Service*	U.K.		
		50	—	Khabarovsk, Russia	U.S.S.R.		
		9·615	31·20	1	CR6RI	Dondo	Angola
				100	—	Wavre	Belgium
4	—			Fort Lamy	Chad		
10/100	VUB			Bombay	India		
20/100	VUD			Delhi	India		
50	—			Monrovia (V.o.A.)	Liberia		
100	—			Monte Carlo (T.W.R.)	Monaco		
35/100	—			Tangier (V.o.A.)	Morocco		
7·5	CR7BJ			Lourenço Marques	Mozambique		
7·5	APD			Dacca	Pakistan		
35/100	—			Poro (V.o.A.)	Philippines		
100	—			Madrid	Spain		
50	WBOU			Bound Brook, N.J.	U.S.A.		
50/500	—			Greenville, N. Carolina	U.S.A.		
15/120	—			Moscow, Russia	U.S.S.R.		
9·616	31·20	3	TIDCR	San Jose	Costa Rica		
9·620	31·19	7·5	ZYR96	Sao Paulo	Brazil		
		100	—	Allouis	France		
		7	—	Teheran	Iran		
		100	—	Monte Carlo (T.W.R.)	Monaco		
		35/100	—	Tangier (V.o.A.)	Morocco		
		100	—	Hörby	Sweden		
		50/200	KNBH	Dixon, Cal.	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		20	CXA6	Montevideo	Uruguay		
		12	—	Saigon	Vietnam (South)		
9·625	31·17	10	—	Belgrade	Yugoslavia		
		50	CKYU	Sackville, N.B.	Canada		
		50	—	Kinshasha	Congo East		
		100	—	Havana	Cuba		
		20/100	VUD	Delhi	India		
		20	—	Tel Aviv	Israel		
		100	—	Beirut	Lebanon		
		10	XEBT	Mexico City	Mexico		
		1	OAX8K	Iquitos	Peru		
		35/100	—	Poro (V.o.A.)	Philippines		
9·630	31·15	50/100	GWO	Overseas Service*	U.K.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		1	CR6RL	Luanda	Angola		

Mc/s	Metres	kW	Call	Station and Country			
(9·630)	31·15	50	CKLO	Sackville, N.B.	Canada		
		50/100	—	Cairo	Egypt		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		20/100	VUD	Delhi	India		
		50/100	—	Rome	Italy		
		30	—	Monte Carlo	Monaco		
		10/100	—	Lopik-IJsselstein	Netherlands		
		2·5	—	Enugu	Nigeria		
		50/200	KCBR	Delano, Cal.	U.S.A.		
		—	—	Irkutsk, Russia	U.S.S.R.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		9·635	31·14	25	—	Kabul	Afghanistan
				7·5	ZYR83	Aparecida	Brazil
35	—			Salonika (V.o.A.)	Greece		
20/100	VUD			Delhi	India		
100	—			Baghdad	Iraq		
50/100	—			Rome	Italy		
10	—			Penang, Malaya	Malaysia		
260	—			Bonaire (T.W.R.)	Netherland Antilles		
50	—			Malolos, Luzon (V.o.A.)	Philippines		
100	CSA23			Lisbon	Portugal		
50/100	—			Overseas Service*	U.K.		
50	WDSI			Brentwood, N.Y.	U.S.A.		
50/200	KNBH			Dixon, Cal.	U.S.A.		
50/500	—	Greenville, N. Carolina	U.S.A.				
20	—	Vladivostok, Russia	U.S.S.R.				
9·640	31·12	25/100	—	Vatican City	Vatican State		
		50	—	Kinshasha	Congo East		
		20/100	DMQ9	Jülich	Germany (West)		
		100	—	Tema	Ghana		
		50	HLK5	Suwon	Korea (South)		
		50	—	Monrovia (V.o.A.)	Liberia		
		10	—	Sabboura	Syria		
		50/100	GYZ	Overseas Service*	U.K.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		10	YVSC	Caracas	Venezuela		
		50	APK	Karachi	Pakistan		
		9·645	31·10	7·5	ZYV40	Pocos de Caldas	Brazil
				2	TIFC	San Jose	Costa Rica
10	—			Addis Ababa	Ethiopia		
—	—			Berlin	Germany (East)		
50	—			Monrovia (V.o.A.)	Liberia		
35/100	—			Tangier (V.o.A.)	Morocco		
10/100	LLH			Fredrikstad	Norway		
50/100	—			Lisbon	Portugal		
50	—			Bangkok	Thailand		
50/100	—			Overseas Service*	U.K.		
25/100	HVJ			Vatican City	Vatican State		
9·650	31·09			50	—	Kabul	Afghanistan
				15/240	—	Peking	China
		7·5	ZJM8	Limassol	Cyprus		
		20/100	—	Jülich	Germany (West)		
		100	—	Conakry	Guinea Rep.		
		100	KRHK	Honolulu (V.o.A.)	Hawaii		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		

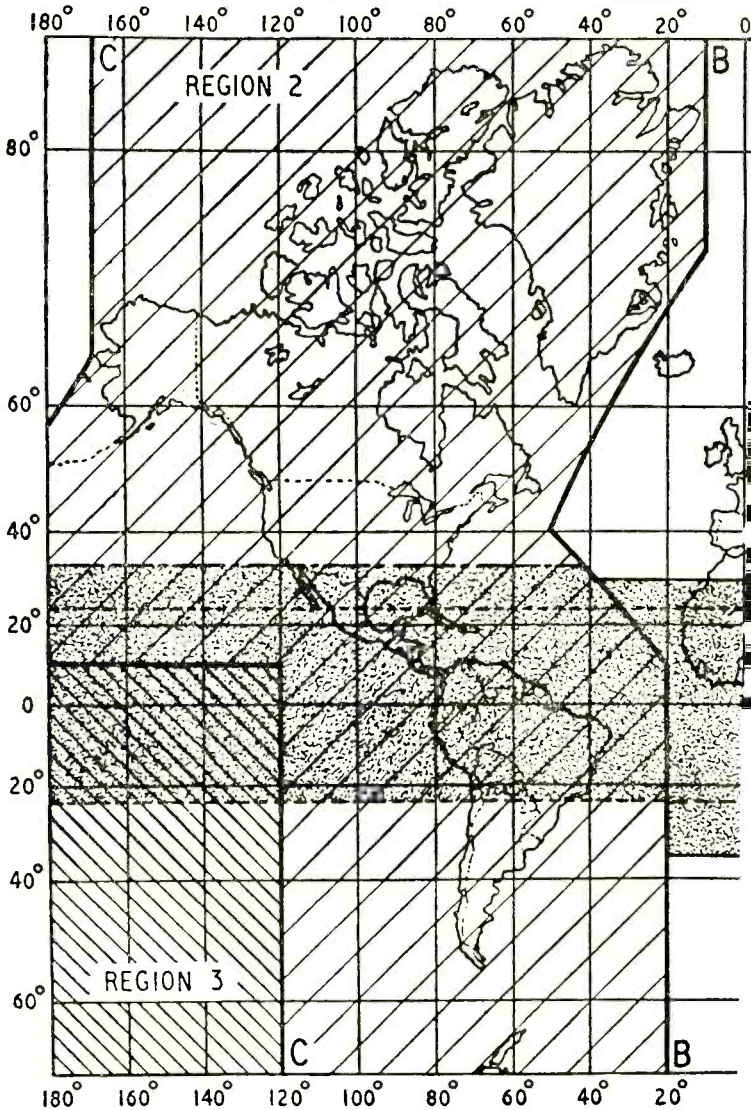
Mc/s	Metres	kW	Call	Station and Country			
(9.650)(31.09)	3	—		Jidda	Saudi Arabia		
	20	—		Paradys	South Africa		
	50	WBOU		Bound Brook, N.J.	U.S.A.		
	110	WLWO		Cincinnati, Ohio	U.S.A.		
	50/500	—		Greenville, N. Carolina	U.S.A.		
9.655	31.07	15/120	—	Moscow, Russia	U.S.S.R.		
		100	—	Havana	Cuba		
		100	—	Budapest	Hungary		
		20/100	VUD		Delhi	India	
		5	JKH2		Tokio	Japan	
		50	—		Tangier	Morocco	
		7.5	CR7BE		Lourenço Marques	Mozambique	
		2.5	—		Kaduna	Nigeria	
		50	—		Malolos, Luzon (V.o.A.)	Philippines	
		50	—		Bangkok	Thailand	
		50/200	KCBR		Delano, Cal.	U.S.A.	
		40	—		Kiev, Ukraine	U.S.S.R.	
		9.660	31.06	25	LRX	Buenos Aires	Argentina
				10	VLM/Q	Brisbane, Queensland	Australia
				50	—	Kinshasha	Congo East
50/100	—			Cairo	Egypt		
1/50	—			Taipei	Formosa		
20/50	—			Lampertheim (R.L.)	Germany (West)		
20/100	VUD				Delhi	India	
10/100	—			Lopik-IJsselstein	Netherlands		
100	—			Hörby	Sweden		
50/100	GWP				Overseas Service*	U.K.	
—	—				Minsk, Byelorussia	U.S.S.R.	
5	—				St. Georges, Grenada	Windward Is.	
9.665	31.04			1	CR6RD	Nova Lisboa	Angola
				10	—	Brasilia	Brazil
				100	ETLF	Addis Ababa	Ethiopia
		5	TGNB	Guatemala City	Guatemala		
		20/100	VUD	Delhi	India		
		10	—	Langata	Kenya		
		100	—	Monte Carlo (T.W.R.)	Monaco		
		1	OAX8U	Iquitos	Peru		
		100	HEU3	Schwarzenburg	Switzerland		
		50/100	—	Overseas Service*	U.K.		
		50/200	KCBR	Delano, Cal.	U.S.A.		
		50/200	KNBH	Dixon, Cal.	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		5	—	Tashkent, Uzbek	U.S.S.R.		
		9.670	31.02	7.5/100	—	Colombo	Ceylon
5	COCQ			Havana	Cuba		
75/100	—			Munich (V.o.A.)	Germany (West)		
5	TGNB			Guatemala City	Guatemala		
100	—			Abidjan	Ivory Coast		
10/50	ELWA			Monrovia	Liberia		
35/100	—			Tangier (V.o.A.)	Morocco		
260	—			Bonaire (T.W.R.)	Netherland Antilles		
50	—			Riyadh	Saudi Arabia		
5	—			Hargeisa	Somali		
100	—			Schwarzenburg	Switzerland		
50/100	—			Overseas Service*	U.K.		

Mc/s	Metres	kW	Call	Station and Country			
9-670	(31-02)	50	WBOU	Bound Brook, N.J.	U.S.A.		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		5	—	St. Georges, Grenada	Windward Is.		
9-675	31-01	1	CR6SG	Sa da Bandeira	Angola		
		100	—	Havana	Cuba		
		100	ETLF	Addis Ababa	Ethiopia		
		1/50	—	Taipei	Formosa		
		50/100	JOB3	Tokio	Japan		
		100	—	Monte Carlo (T.W.R.)	Monaco		
		7-5/100	—	Warsaw	Poland		
		20/50	—	Playa de Pals (R.L.)	Spain		
		50/100	GWT	Overseas Service*	U.K.		
		—	—	Novosibirsk, Russia	U.S.S.R.		
		5	—	Tashkent, Uzbek	U.S.S.R.		
9-680	30-99	5/100	—	Vatican City	Vatican State		
		10	VLG/H	Lyndhurst, Victoria	Australia		
		100	ETLF	Addis Ababa	Ethiopia		
		100	—	Allouis	France		
		20/100	VUD	Delhi	India		
		50	—	Tel Aviv	Israel		
		2	—	Beirut	Lebanon		
		1	XEQQ	Mexico City	Mexico		
		30	—	Monte Carlo	Monaco		
		10/50	APK	Karachi	Pakistan		
		50/100	—	Overseas Service*	U.K.		
9-685	30-98	5	—	Tashkent, Uzbek	U.S.S.R.		
		50	—	Algiers	Algeria		
		50	PRA6	Sao Paulo	Brazil		
		50	XZK5	Rangoon	Burma		
		1/50	—	Taipei	Formosa		
		20/100	—	Jülich	Germany (West)		
9-690	30-96	260	—	Bonaire (T.W.R.)	Netherland Antilles		
		15/120	—	Moscow, Russia	U.S.S.R.		
		10	LRA32	Buenos Aires	Argentina		
		1/50	—	Taipei	Formosa		
		20/100	VUD	Delhi	India		
		10	—	Goa	India		
		7-5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia		
		100	—	Monte Carlo (T.W.R.)	Monaco		
9-693	30-95	100	—	Lagos	Nigeria		
		50/100	GRX	Overseas Service*	U.K.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		—	—	Novosibirsk, Russia	U.S.S.R.		
		7-5	ZYB22	Manaos	Brazil		
		9-695	30-94	50	—	Phnompenh	Cambodia
				100	ETLF	Addis Ababa	Ethiopia
100	—			Budapest	Hungary		
50/100	—			Tokio	Japan		
100	—			Madrid	Spain		
50/100	—			Overseas Service*	U.K.		
50/80	WNYW			Boston, Mass.	U.S.A.		
9-700	30-93	5	—	Sofia	Bulgaria		
		10	CE970	Santiago	Chile		
		100	—	Beirut	Lebanon		

Mc/s	Metres	kW	Call	Station and Country	
9-700	(30-93)	35/50	—	Poro (V.o.A.)	Philippines
		50/100	GWY	Overseas Service*	U.K.
		50/200	KCBR	Delano, Cal.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
9-705	30-92	—	—	Murmansk, Russia	U.S.S.R.
		100	ORU	Wavre	Belgium
		10	ZYZ24	Rio de Janeiro	Brazil
		10	—	Addis Ababa	Ethiopia
		75/100	—	Munich (V.o.A.)	Germany (West)
		20/100	VUD	Delhi	India
		10/100	—	Tokio	Japan
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		50/100	—	Overseas Service*	U.K.
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
9-708	30-90	25/100	—	Vatican City	Vatican State
		100	—	Buenos Aires	Argentina
9-710	30-90	35	—	Salonika (V.o.A.)	Greece
		100	—	Djakarta, Java	Indonesia
		50/100	—	Rome	Italy
		10	—	Forest Side	Mauritius
		35/100	—	Tangier (V.o.A.)	Morocco
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		4	—	Niamey	Niger
		2/100	—	Bocau, Luzon	Philippines
		35/100	—	Poro (V.o.A.)	Philippines
		50/100	—	Overseas Service*	U.K.
		50/80	WNYW	Boston, Mass.	U.S.A.
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		25	—	Frunze, Kirghiz	U.S.S.R.
20	—	Khabarovsk, Russia	U.S.S.R.		
40	—	Kiev, Ukraine	U.S.S.R.		
—	—	Lwow, Ukraine	U.S.S.R.		
9-715	30-88	1	CP21	Sucre	Bolivia
		4/50	—	Brazzaville	Congo West
		50/100	—	Cairo	Egypt
		35	—	Salonika (V.o.A.)	Greece
		100	—	Beirut	Lebanon
		10/100	—	Lopik-IJsselstein	Netherlands
		10/50	APK	Karachi	Pakistan
		2/100	—	Bocau, Luzon	Philippines
		35/100	—	Poro (V.o.A.)	Philippines
		50/100	—	Overseas Service*	U.K.
9-720	30-86	110	WLWO	Cincinnati, Ohio	U.S.A.
		20/100	—	Wavre	Belgium
		35	—	Colombo	Ceylon
		1/50	—	Taipei	Formosa
		20/100	VUD	Delhi	India
		50	—	Monrovia (V.o.A.)	Liberia
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		4/25	—	Dakar	Senegal
		50	—	Riyadh	Saudi Arabia
		20	—	Paradys	South Africa
50/100	—	Overseas Service*	U.K.		

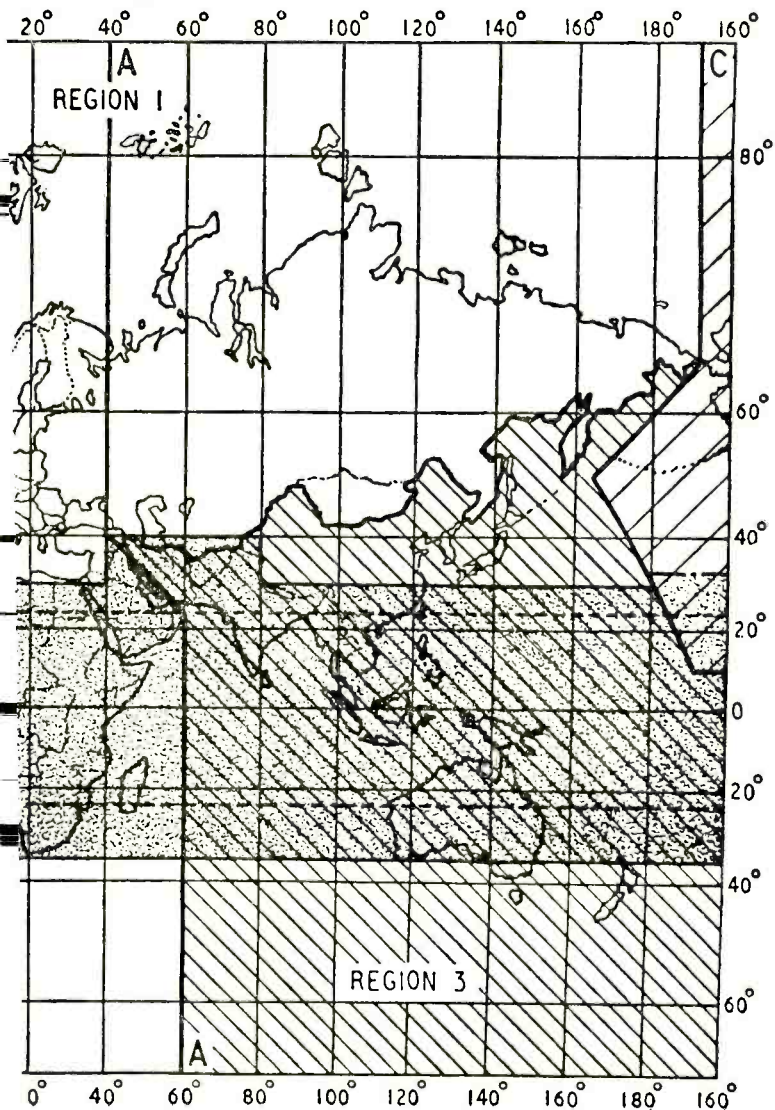
BROADCASTING REGIONS

The three regions into which the world is divided for the purpose of Area is in Region 1 and lies between lines A and B down to the parallel short-wave bands (see list on page 99) are allocated for 'domestic'



OF THE WORLD

frequency allocations are shown on this map. The European Broadcasting 30°N. The shaded area is the Tropical Zone in which frequencies in certain broadcasting.



Mc/s	Metres	kW	Call	Station and Country			
(9·720)(30·86)		50	WBOU	Bound Brook, N.J.	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
9·725	30·85	—	—	Berlin	Germany (East)		
		50	—	Tel Aviv	Israel		
		100	—	Beirut	Lebanon		
		7·5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia		
		100	—	Hörby	Sweden		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
9·730	30·83	7·5	ZYO59	Porto Alegre	Brazil		
		4/50	FZI	Brazzaville	Congo West		
		—	—	Berlin	Germany (East)		
		50	—	Leipzig	Germany (East)		
		20/100	VUD	Delhi	India		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		10/100	—	Lopik-IJsselstein	Netherlands		
		2/100	—	Bocaue, Luzon	Philippines		
		3	DZH7	Manila, Luzon	Philippines		
		50/200	KNBH	Dixon, Cal.	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		9·735	30·82	15/240	—	Peking	China
				7·5	HI2T	Ciudad Trujillo	Dominican Rep.
				20/100	DMQ9	Jülich	Germany (West)
10	—			Mexico City	Mexico		
4/30	—			Niamey	Niger		
10	ZPA2			Asuncion	Paraguay		
50/100	GWF			Overseas Service*	U.K.		
50/200	KCBR			Delano, Cal.	U.S.A.		
5	—			St. Georges, Grenada	Windward Is.		
9·740	3·800			10	LRS1	Buenos Aires	Argentina
		100	—	Wavre	Belgium		
		20/100	VUD	Delhi	India		
		50/100	—	Tokio	Japan		
		100	—	Amman	Jordan		
		35/100	—	Tangier (V.o.A.)	Morocco		
		10/50	APK	Karachi	Pakistan		
		100	CSA27	Lisbon	Portugal		
		50/100	—	Overseas Service*	U.K.		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		—	—	Irkutsk, Russia	U.S.S.R.		
		9·745	30·79	100	ORU	Wavre	Belgium
				7·5	ZYR57	Sao Paulo	Brazil
				1/30	HCJB	Quito	Ecuador
1/50	BEC28			Taipei	Formosa		
4	—			Bamako	Mali		
10	—			Mexico City	Mexico		
10/100	—			Lopik-IJsselstein	Netherlands		
20/100	—			Ankara	Turkey		
10	—			Achkhabad, Turkmenia	U.S.S.R.		
15/120	—			Moscow, Russia	U.S.S.R.		
9·750	30·77	50/100	—	Cairo	Egypt		
		20/100	VUD	Delhi	India		

Mc/s	Metres	kW	Call	Station and Country			
(9-750)(30-77)		50	—	Monrovia (V.o.A.)	Liberia		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		2/100	—	Bocaué, Luzon	Philippines		
		50/100	—	Overseas Service*	U.K.		
		50	WBOU	Bound Brook, N.J.	U.S.A.		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
		50/200	KCBR	Delano, Cal.	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		20	—	Vladivostok, Russia	U.S.S.R.		
		25/100	—	Vatican City	Vatican State		
		2.5	—	Lusaka	Zambia		
		5	—	St. Georges, Grenada	Windward Is.		
		9-752	30-76	50	APK	Karachi	Pakistan
		9-755	30-75	7.5	ZYA63	Goiana	Brazil
100	—			Allouis	France		
260	—			Bonaire (T.W.R.)	Netherland Antilles		
10/100	—			Lopik-IJsselstein	Netherlands		
50/100	—			Overseas Service*	U.K.		
50/500	—			Greenville, N. Carolina	U.S.A.		
9-758	30-74	25	—	Saigon	Vietnam (South)		
9-760	30-74	50	LRY1	Buenos Aires	Argentina		
		100	—	Wavre	Belgium		
		100	ETLF	Addis Ababa	Ethiopia		
		10	TGKW	Guatemala City	Guatemala		
		20/100	VUD	Delhi	India		
		10/100	—	Abidjan	Ivory Coast		
		100	—	Beirut	Lebanon		
		50	—	Monrovia (V.o.A.)	Liberia		
		35/100	—	Tangier (V.o.A.)	Morocco		
		10/50	APK	Karachi	Pakistan		
		7.5/100	—	Warsaw	Poland		
		100	—	Madrid	Spain		
		50/100	—	Overseas Service*	U.K.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		50	WDSI	Wayne, N.J.	U.S.A.		
		5	—	Erivan, Armenia	U.S.S.R.		
		12	—	Hanoi	Vietnam (North)		
		9-765	30-72	1	CR6SE	Luanda	Angola
100	—			Wavre	Belgium		
100	—			Havana	Cuba		
75/100	—			Munich (V.o.A.)	Germany (West)		
20/100	VUD			Delhi	India		
10/100	—			Tokio	Japan		
50/100	—			Overseas Service*	U.K.		
110	WLWO			Cincinnati, Ohio	U.S.A.		
50/500	—			Greenville, N. Carolina	U.S.A.		
—	—			Leningrad, Russia	U.S.S.R.		
9-770	30-71	4	—	Vienna	Austria		
		1	PRL4	Rio de Janeiro	Brazil		
		3	4VEH	Cap Haitien	Haiti		
		100	—	Budapest	Hungary		
		1	OAX80	Iquitos	Peru		
		50	—	Malolos, Luzon (V.o.A.)	Philippines		
		50/100	MCN	Overseas Service*	U.K.		
		110	WLWO	Cincinnati, Ohio	U.S.A.		

Mc/s	Metres	kW	Call	Station and Country	
(9·770)(30·71)		50/500	—	Greenville, N. Carolina	U.S.A.
		25/100	—	Vatican City	Vatican State
9·775	30·69	50/100	—	Cairo	Egypt
		15/120	—	Moscow, Russia	U.S.S.R.
9·780	30·67	15/120	—	Moscow, Russia	U.S.S.R.
9·785	30·66	15/240	—	Peking	China
		50/100	—	Cairo	Egypt
		100	—	Allouis	France
		15/120	—	Moscow, Russia	U.S.S.R.
9·790	30·64	15/120	—	Moscow, Russia	U.S.S.R.
9·795	30·63	50/100	—	Cairo	Egypt
9·800	30·61	15/240	—	Peking	China
		1/50	—	Taipei	Formosa
9·810	30·58	15/120	—	Moscow, Russia	U.S.S.R.
9·815	30·57	50/100	—	Cairo	Egypt
9·820	30·55	15/120	—	Moscow, Russia	U.S.S.R.
9·825	30·53	50/100	GRH	Overseas Service*	U.K.
9·833	30·51	100	—	Budapest	Hungary
9·836	30·50	12	—	Hanoi	Vietnam (North)
9·840	30·49	2	—	Baku, Azerbaijan	U.S.S.R.
9·860	30·43	15/240	—	Peking	China
9·867	30·41	100	YDF8	Djakarta, Java	Indonesia
9·880	30·36	15/240	—	Peking	China
9·895	30·31	7·5	—	Benghazi	Libya
9·910	30·28	20/100	VUD	Delhi	India
9·915	30·26	20/100	VUD	Delhi	India
		50/100	GRU	Overseas Service*	U.K.
9·920	30·24	15/240	—	Peking	China
9·945	30·17	15/240	—	Peking	China
9·972	30·08	15/240	—	Peking	China
10·245	29·28	—	—	Urumchi	China
10·260	29·24	15/240	—	Peking	China
10·487	28·60	15/240	—	Peking	China
10·530	28·49	15	—	Alma Ata, Kazakh	U.S.S.R.
10·885	27·56	25	—	Ulan Bator, Mongolia	U.S.S.R.
11·100	27·03	15/240	—	Peking	China
11·200	26·79	15/240	—	Peking	China
11·290	26·57	15/240	—	Peking	China
11·410	26·29	—	—	Berlin	Germany (East)
11·415	26·28	50/100	—	Cairo	Egypt
11·500	26·09	15/240	—	Peking	China
11·517	26·06	15/120	—	Moscow, Russia	U.S.S.R.
11·600	25·86	15/240	—	Peking	China
11·630	25·79	15/240	—	Peking	China
		—	—	Leningrad, Russia	U.S.S.R.
11·650	25·75	15/240	—	Peking	China
		7·5/10	APD	Dacca	Pakistan
11·660	25·73	50/100	—	Cairo	Egypt
11·672	25·70	50	APK	Karachi	Pakistan
11·685	25·67	15/240	—	Peking	China
		25/100	HVJ	Vatican City	Vatican State
11·690	25·66	15/120	—	Moscow, Russia	U.S.S.R.
11·693	25·66	100	—	Conakry	Guinea Rep.
11·695	25·65	15/240	—	Peking	China
		5	—	Tashkent, Uzbek	U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country	
11·700	25·64	1	TGQB	Quezaltenango	Guatemala
11·705	25·63	10	—	Lubumbashi	Congo East
		100	—	Podebrady	Czechoslovakia
		50/100	JOA11	Tokio	Japan
		100	—	Hörby	Sweden
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
11·710	25·62	100	VLA/D	Shepparton, Victoria	Australia
		7/50	—	Brazzaville	Congo West
		100	—	Podebrady	Czechoslovakia
		35	—	Salonika (V.o.A.)	Greece
		20/100	VUD	Delhi	India
		100	YDF2	Djakarta, Java	Indonesia
		100	—	Monte Carlo (T.W.R.)	Monaco
		35/100	—	Tangier (V.o.A.)	Morocco
		50/100	—	Overseas Service*	U.K.
		110	—	Cincinnati, Ohio	U.S.A.
		50/200	KCBR	Delano, Cal.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		50	WDSI	Wayne, N.J.	U.S.A.
11·711	25·62	10/100	—	Lopik-IJsselst	Netherlands
11·715	25·61	20/100	—	Jülich	Germany (West)
		75/100	—	Munich (V.o.A.)	Germany (West)
		20/100	VUD	Delhi	India
		100	—	Djakarta, Java	Indonesia
		100	—	Beirut	Lebanon
		35/100	—	Okinawa (V.o.A.)	Ryukyu Island
		100	—	Schwarzenburg	Switzerland
		20	—	Sabboura	Syria
		50/500	—	Greenville, N. Carolina	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
11·720	25·60	100	ORU4	Wavre	Belgium
		10	PRL8	Brasilia	Brazil
		50	CHOL	Sackville, N.B.	Canada
		50	OTH3	Kinshasha	Congo East
		7·5	ZJM7	Limassol	Cyprus
		20/50	—	Lampertheim (R.L.)	Germany (West)
		20/100	VUD	Delhi	India
		10/100	VUM	Madras	India
		100	—	Beirut	Lebanon
		35/100	—	Tangier (V.o.A.)	Morocco
		50/100	—	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.
11·723	25·60	7·5	—	Athens	Greece
11·725	25·59	50	—	Sackville, N.B.	Canada
		15/240	—	Peking	China
		4/50	FZI	Brazzaville	Congo West
		100	OLR4E	Podebrady	Czechoslovakia
		1/50	—	Taipei	Formosa
		100	—	Allouis	France
		50/100	JOA11	Tokio	Japan
		7·5/10	APD	Dacca	Pakistan
		1	YSYA	San Salvador	Salvador
		1	YVLK	Caracas	Venezuela

Mc/s	Metres	kW	Call	Station and Country	
11-730	25-58	50/100	—	Cairo	Egypt
		20/100	—	Jülich	Germany (West)
		7.5	—	Salonika	Greece
		20/100	VUD	Delhi	India
		10/100	PHI	Lopik-IJsselstein	Netherlands
		35/100	—	Poro (V.o.A.)	Philippines
		50/100	GVV	Overseas Service*	U.K.
		50/200	KCBR	Delano, Cal.	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
		11-731	25-57	100	3AM5
2.5/10	—			Dacca	Pakistan
11-735	25-56	50	—	Kabul	Afghanistan
		7.5	ZYG3	Goiana	Brazil
		100	—	Sebaa Aioun	Morocco
		50	—	Tangier	Morocco
		10/100	LKQ	Tromsö	Norway
		35/100	—	Poro (V.o.A.)	Philippines
		5	CXA7	Montevideo	Uruguay
		25/100	—	Vatican City	Vatican State
		100	—	Belgrade	Yugoslavia
		11-740	25-55	100	VLA/D
4	CE1174			Santiago	Chile
15/240	—			Peking	China
35/100	—			Tangier (V.o.A.)	Morocco
2/100	—			Bocaué, Luzon	Philippines
110	WLWO			Cincinnati, Ohio	U.S.A.
50/200	KCBR			Delano, Cal.	U.S.A.
15/120	—			Moscow, Russia	U.S.S.R.
25/100	HVJ3			Vatican City	Vatican State
11-745	25-54			100	OLR
		50/100	—	Cairo	Egypt
		50/500	—	Greenville, N. Carolina	U.S.A.
		—	—	Minsk, Byelorussia	U.S.S.R.
11-750	25-53	100	—	Wavre	Belgium
		10	—	Tokio	Japan
		7.5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		50/100	GSD	Overseas Service*	U.K.
		50/80	WNYW	Boston, Mass.	U.S.A.
11-751	25-53	20	—	Damascus	Syria
11-755	25-52	10	—	Luanda	Angola
		4	—	Vienna	Austria
		100	—	Wavre	Belgium
		50	—	Kinshasha	Congo East
		100	—	Beirut	Lebanon
		10/100	—	Lopik-IJsselstein	Netherlands
		—	—	Leningrad, Russia	U.S.S.R.
		5	—	Tashkent, Uzbek	U.S.S.R.
		20	—	Vladivostok, Russia	U.S.S.R.
		100	—	Belgrade	Yugoslavia
11-760	25-51	100	VLA/D	Shepparton, Victoria	Australia
		50	CKRA	Sackville, N.B.	Canada
		1	COCY	Havana	Cuba
		100	ETLF	Addis Ababa	Ethiopia
		35	—	Salonika (V.o.A.)	Greece
		20/100	VUD	Delhi	India

Mc/s	Metres	kW	Call	Station and Country		
(11·760)(25·51)	7·5	—	—	Lourenço Marques	Mozambique	
	260	—	—	Bonaire (T.W.R.)	Netherland Antilles	
	50/100	—	—	Overseas Service*	U.K.	
	50/80	WNYW	—	Boston, Mass.	U.S.A.	
	50/500	—	—	Greenville, N. Carolina	U.S.A.	
11·765	15/120	—	—	Moscow, Russia	U.S.S.R.	
	12	—	—	Hanoi	Vietnam (North)	
	1	CP39	—	La Paz	Bolivia	
	—	—	—	Berlin	Germany (East)	
	100	—	—	Monte Carlo (T.W.R.)	Monaco	
11·770	20/50	—	—	Playa de Pals (R.L.)	Spain	
	25·49	100	—	Podebrady	Czechoslovakia	
	75/100	—	—	Munich (V.o.A.)	Germany (West)	
	20/100	VUD	—	Delhi	India	
	100	YDF2	—	Djakarta, Java	Indonesia	
11·775	100	—	—	Beirut	Lebanon	
	50	—	—	Monrovia (V.o.A.)	Liberia	
	50/100	GVU	—	Overseas Service*	U.K.	
	110	WLWO	—	Cincinnati, Ohio	U.S.A.	
	50/200	KCBR	—	Delano, Cal.	U.S.A.	
	—	—	—	Kiev, Ukraine	U.S.S.R.	
	25/100	—	—	Vatican City	Vatican State	
	5	—	—	St. Georges, Grenada	Windward Is.	
	25·48	10	—	La Paz	Bolivia	
	10	ZYZ28	—	Rio de Janeiro	Brazil	
11·780	75/100	—	—	Munich (V.o.A.)	Germany (West)	
	100	—	—	Honolulu (V.o.A.)	Hawaii	
	100	—	—	Schwarzenburg	Switzerland	
	50	WBOU	—	Bound Brook, N.J.	U.S.A.	
	50/500	—	—	Greenville, N. Carolina	U.S.A.	
	25·47	50	LRV	Buenos Aires	Argentina	
	7/50	—	—	Brazzaville	Congo West	
	7	—	—	Reykjavik	Iceland	
	10/100	JOB11	—	Tokio	Japan	
	100	—	—	Beirut	Lebanon	
11·785	10/100	—	—	Lopik-IJsselstein	Netherlands	
	7·5	ZL3	—	Wellington	New Zealand	
	50/100	—	—	Overseas Service*	U.K.	
	15/120	—	—	Moscow, Russia	U.S.S.R.	
	25·46	4	OEI24	Vienna	Austria	
	7·5	ZYU61	—	Porto Alegre	Brazil	
	20/100	—	—	Jülich	Germany (West)	
	20/100	VUD	—	Delhi	India	
	7·5/100	YDF2	—	Djakarta, Java	Indonesia	
	100	—	—	Beirut	Lebanon	
11·788	50	—	—	Malolos, Luzon (V.o.A.)	Philippines	
	25/100	—	—	Vatican City	Vatican State	
	25·45	50	—	Monrovia (V.o.A.)	Liberia	
	11·790	25·45	100	—	Shepparton, Victoria	Australia
		100	3AM5	—	Monte Carlo	Monaco
50		—	—	Tangier	Morocco	
35/100		—	—	Okinawa (V.o.A.)	Ryukyu Island	
50/100		GWV	—	Overseas Service*	U.K.	
11·790	25·45	50/80	WNYW	Boston, Mass.	U.S.A.	
	50	WBOU	—	Bound Brook, N.J.	U.S.A.	

Mc/s	Metres	kW	Call	Station and Country	
(11-790)(25-45)	110	—	WLWO	Cincinnati, Ohio	U.S.A.
	50/200	—	KCBR	Delano, Cal.	U.S.A.
	50/500	—	—	Greenville, N. Carolina	U.S.A.
	15/120	—	—	Moscow, Russia	U.S.S.R.
11-795 25-43	5	—	—	St. Georges, Grenada	Windward Is.
	10	—	—	Rio de Janeiro	Brazil
	—	—	—	Berlin	Germany (East)
	20/100	—	DMQ11	Jülich	Germany (West)
11-800 25-42	1/100	—	YDF2	Djakarta, Java	Indonesia
	260	—	—	Bonaire (T.W.R.)	Netherland Antilles
	50/100	—	—	Overseas Service*	U.K.
	35	—	—	Colombo	Ceylon
	1	—	CE1180	Santiago	Chile
	15/240	—	—	Peking	China
	100	—	OLR	Podebrady	Czechoslovakia
	100	—	—	Tema	Ghana
	20/100	—	VUD	Delhi	India
	50	—	JOB11	Tokio	Japan
11-805 25-41	10/100	—	—	Lopik-IJsselstein	Netherlands
	7-5/100	—	—	Warsaw	Poland
	50/100	—	GWH	Overseas Service*	U.K.
	10	—	ZYZ36	Rio de Janeiro	Brazil
	50/100	—	—	Cairo	Egypt
	10	—	OIX8	Pori	Finland
	100	—	—	Hörby	Sweden
	50	—	WBOU	Bound Brook, N.J.	U.S.A.
	110	—	WLWO	Cincinnati, Ohio	U.S.A.
	50/500	—	—	Greenville, N. Carolina	U.S.A.
11-810 25-40	20	—	—	Khabarovsk, Russia	U.S.S.R.
	50	—	—	Algiers	Algeria
	100	—	VLA/D	Shepparton, Victoria	Australia
	20/100	—	VUD	Delhi	India
	50/100	—	—	Rome	Italy
	3	—	—	Amman	Jordan
	7-5	—	—	Wellington	New Zealand
	100	—	—	Bucharest	Rumania
	100	—	—	Hörby	Sweden
	100	—	—	Schwarzenburg	Switzerland
11-815 25-39	50/500	—	—	Greenville, N. Carolina	U.S.A.
	—	—	—	Novosibirsk, Russia	U.S.S.R.
	—	—	—	Simferopol, Russia	U.S.S.R.
	5	—	ZYW24	Goiana	Brazil
	10/100	—	VUB	Bombay	India
	50/100	—	JOB11	Tokio	Japan
	4	—	—	Bamako	Mali
	50/200	—	—	Madrid	Spain
	40	—	—	Kiev, Ukraine	U.S.S.R.
	11-820 25-38	15/240	—	—	Peking
5		—	—	Abidjan	Ivory Coast
7-5		—	—	Amman	Jordan
7-5/100		—	—	Tabrau, Malaya (B.B.C.)	Malaysia
260		—	—	Bonaire (T.W.R.)	Netherland Antilles
7-5		—	—	Wellington	New Zealand
50/100		—	GSN	Overseas Service*	U.K.
25		—	—	Frunze, Kirghiz	U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country	
(11·820)(25·38)	15/120	—	—	Moscow, Russia	U.S.S.R.
11·825	25·37	1/50	—	Taipei	Formosa
	7·5/100	YDF	—	Djakarta, Java	Indonesia
	10/50	ELWA	—	Monrovia	Liberia
	35/100	—	—	Tangier (V.o.A.)	Morocco
	100	—	—	Schwarzenburg	Switzerland
	4	—	—	Papeete	Tahiti
	15/120	—	—	Moscow, Russia	U.S.S.R.
11·830	25·36	50	—	Kinshasha	Congo East
	75/100	—	—	Munich (V.o.A.)	Germany (West)
	7·5	—	—	Salonika	Greece
	20/100	VUD	—	Delhi	India
	35/100	—	—	Tangier (V.o.A.)	Morocco
	7·5	—	—	Wellington	New Zealand
	50/100	—	—	Overseas Service*	U.K.
	50/200	KCBR	—	Delano, Cal.	U.S.A.
	50/500	—	—	Greenville, N. Carolina	U.S.A.
	25/100	WGEO	—	Schenectady, N.Y.	U.S.A.
	50	WDSI	—	Wayne, N.J.	U.S.A.
	15/120	—	—	Moscow, Russia	U.S.S.R.
11·835	25·35	50	—	Algiers	Algeria
	35	—	—	Colombo	Ceylon
	2·5	4VEJ	—	Cap Haitien	Haiti
	20/100	VUD	—	Delhi	India
	10	—	—	Lourenço Marques	Mozambique
	5	CXA19	—	Montevideo	Uruguay
11·840	25·34	10	VLH	Lyndhurst, Victoria	Australia
	50/100	VLA	—	Shepparton, Victoria	Australia
	1/50	—	—	Vienna	Austria
	75/100	—	—	Munich (V.o.A.)	Germany (West)
	35	—	—	Salonika (V.o.A.)	Greece
	50/100	—	—	Rome	Italy
	100	—	—	Monte Carlo (T.W.R.)	Monaco
	7·5/100	—	—	Warsaw	Poland
	50/100	CSA	—	Lisbon	Portugal
	50/100	GWQ	—	Overseas Service*	U.K.
	15/120	—	—	Moscow, Russia	U.S.S.R.
	12	—	—	Hanoi	Vietnam (North)
11·845	25·33	1/50	—	Vicnna	Austria
	100	—	—	Allouis	France
	50	APK	—	Karachi	Pakistan
	50/80	WNYW	—	Boston, Mass.	U.S.A.
	50/200	KNBH	—	Dixon, Cal.	U.S.A.
	5	—	—	St. Georges, Grenada	Windward Is.
11·848	25·32	35/100	—	Poro (V.o.A.)	Philippines
11·850	25·32	100	ORU	Wavre	Belgium
	120	—	—	Sofia	Bulgaria
	2	CE1185	—	Santiago	Chile
	20/100	VUD	—	Delhi	India
	10/100	LLK	—	Fredrikstad	Norway
	1·2	ZPA3	—	Ascuncion	Paraguay
	2/100	DZH8	—	Bocau, Luzon	Philippines
	7·5	—	—	Omdurman	Sudan
	—	—	—	Kazan, Tartar	U.S.S.R.
	20	—	—	Vladivostok, Russia	U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country
11-855	25-31	100	—	Wavre Belgium
		20/100	VUD	Delhi India
		10/100	—	Tokio Japan
		260	—	Bonaire (T.W.R.) Netherland Antilles
		6	—	Khartoum Sudan
		100	—	Schwarzenburg Switzerland
11-860	25-30	50/80	WNYW	Boston, Mass. U.S.A.
		1/50	—	Taipei Formosa
		10	XEMZ	Mexico City Mexico
		260	—	Bonaire (T.W.R.) Netherland Antilles
		50/100	GSE	Overseas Service* U.K.
11-865	25-28	50/200	KNBH	Dixon, Cal. U.S.A.
		5	PRA8	Recife Brazil
		100	—	Havana Cuba
		20/100	—	Jülich Germany (West)
		10/100	—	Tokio Japan
		100	—	Beirut Lebanon
		100	—	Monte Carlo (T.W.R.) Monaco
		20	—	Paradys South Africa
		100	HER5	Schwarzenburg Switzerland
		50/500	—	Greenville, N. Carolina U.S.A.
11-870	25-27	1/50	—	Vienna Austria
		10	—	Lubumbashi Congo East
		50/100	—	Cairo Egypt
		75/100	—	Munich (V.o.A.) Germany (West)
		100	—	Amman Jordan
		260	—	Bonaire (T.W.R.) Netherland Antilles
		50/100	—	Overseas Service* U.K.
		110	WLWO	Cincinnati, Ohio U.S.A.
		50/200	KCBR	Delano, Cal. U.S.A.
		50/200	KNBH	Dixon, Cal. U.S.A.
		—	—	Kaunas, Lithuania U.S.S.R.
11-875	25-26	10	ZYA64	Salvador Brazil
		100	—	Havana Cuba
		20/100	VUD	Delhi India
		50/100	—	Baghdad Iraq
		50/100	—	Tokio Japan
		100	—	Beirut Lebanon
		35/100	—	Tangier (V.o.A.) Morocco
		10/50	APK	Karachi Pakistan
		50/100	CSA58	Lisbon Portugal
		50	WBOU	Bound Brook, N.J. U.S.A.
		100	WLWO	Cincinnati, Ohio U.S.A.
		50/200	KNBH	Dixon, Cal. U.S.A.
		50/500	—	Greenville, N. Carolina U.S.A.
		15/120	—	Moscow, Russia U.S.S.R.
		11-880	25-25	5
10	VLH11			Lyndhurst, Victoria Australia
100	—			Shepparton, Victoria Australia
100	—			Wavre Belgium
35	—			Salonika (V.o.A.) Greece
1	XEHH			Mexico City Mexico
20/50	—			Playa de Pals (R.L.) Spain
100	—			Hörby Sweden
50/100	GRE	Overseas Service* U.K.		

Mc/s	Metres	kW	Call	Station and Country				
(11·880)(25·25)	50	WBOU		Bound Brook, N.J.	U.S.A.			
	110	WLWO		Cincinnati, Ohio	U.S.A.			
	25/100	—		Vatican City	Vatican State			
11·885	25·24	100	—	Wavre	Belgium			
		15/240	—	Peking	China			
		100	—	Allouis	France			
		20/100	—	Jülich	Germany (West)			
		50	APK		Karachi	Pakistan		
		100	—		Bucharest	Rumania		
11·890	25·23	10	CXA68		Uruguay			
		1/50	—	Vienna	Austria			
		75/100	—	Munich (V.o.A.)	Germany (West)			
		20/100	VUD		Delhi	India		
		100	—	Beirut	Lebanon			
		10	—	Kuala Lumpur, Malaya	Malaysia			
		35/100	—	Tangier (V.o.A.)	Morocco			
		20	—	Sabboura	Syria			
		50/100	GWV		Overseas Service*	U.K.		
		50	WBOU		Bound Brook, N.J.	U.S.A.		
		110	WLWO		Cincinnati, Ohio	U.S.A.		
		50/500	—		Greenville, N. Carolina	U.S.A.		
		50	WDSI		Wayne, N.J.	U.S.A.		
		5	—		Erivan, Armenia	U.S.S.R.		
		15/120	—		Moscow, Russia	U.S.S.R.		
11·895	25·22	100	—	Wavre	Belgium			
		100	—	Podebrady	Czechoslovakia			
		100	—	Budapest	Hungary			
		20/100	VUD		Delhi	India		
		35/100	—	Poro (V.o.A.)	Philippines			
		25	FHE3		Dakar	Senegal		
		7·5/20	—		Omdurman	Sudan		
		—	—		Minsk, Byelorussia	U.S.S.R.		
		11·900	25·21	5	CE1190		Chile	
				10/100	VUB		Bombay	India
10	—				Kuala Lumpur, Malaya	Malaysia		
35/100	—				Tangier (V.o.A.)	Morocco		
35/100	—				Poro (V.o.A.)	Philippines		
100	—				Bucharest	Rumania		
20	—				Paradys	South Africa		
50	WBOU				Bound Brook, N.J.	U.S.A.		
50/200	KCBR				Delano, Cal.	U.S.A.		
50/500	—				Greenville, N. Carolina	U.S.A.		
15/120	—				Moscow, Russia	U.S.S.R.		
20	CXA10				Montevideo	Uruguay		
11·905	25·20			35	—	Colombo	Ceylon	
				100	OLR		Podebrady	Czechoslovakia
				—	—		Berlin	Germany (East)
		20/100	—		Jülich	Germany (West)		
		50/100	—		Rome	Italy		
		50/100	—		Overseas Service*	U.K.		
		50	WDSI		Brentwood, N.Y.	U.S.A.		
		50/200	KCBR		Delano, Cal.	U.S.A.		
		50/500	—		Greenville, N. Carolina	U.S.A.		
		—	—		Kazan, Tartar	U.S.S.R.		

Mc/s	Metres	kW	Call	Station and Country			
11-908	25-19	100	—	Havana	Cuba		
		50	—	Tunis	Tunisia		
11-910	25-19	100	—	Budapest	Hungary		
		35/100	—	Tangier (V.o.A.)	Morocco		
		10/50	APK	Karachi	Pakistan		
		50	—	Bangkok	Thailand		
		50/100	MCO	Overseas Service*	U.K.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		50	WDSI	Wayne, N.J.	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
11-915	25-18	5	—	St. Georges, Grenada	Windward Is.		
		7.5	PRC20	Porto Alegre	Brazil		
		1/30	HCJB	Quito	Ecuador		
		50/100	—	Cairo	Egypt		
		10/100	—	Lopik-IJsselstein	Netherlands		
		35/100	—	Poro (V.o.A.)	Philippines		
		100	—	Lisbon	Portugal		
		20	—	Damascus	Syria		
		35	—	Colombo	Ceylon		
		100	—	Havana	Cuba		
11-920	25-17	1/50	—	Taipei	Formosa		
		100	—	Allouis	France		
		—	—	Berlin	Germany (East)		
		20/100	VUD	Delhi	India		
		20	—	Jerusalem	Israel		
		50	—	Tel Aviv	Israel		
		100	—	Amman	Jordan		
		50	APK	Karachi	Pakistan		
		2/100	—	Bocaue, Luzon	Philippines		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
		11-925	25-16	1	CR6RQ	Nova Lisboa	Angola
		10		ZYR78	Sao Paulo	Brazil	
		15/240		—	Peking	China	
		20/100		—	Jülich	Germany (West)	
20/50	—	Lampertheim (R.L.)		Germany (West)			
50	—	Suwon		Korea (South)			
100	—	Lisbon		Portugal			
50/100	—	Overseas Service*		U.K.			
15/120	—	Moscow, Russia		U.S.S.R.			
11-930	25-15	4/50		—	Brazzaville	Congo West	
50/100		—	Cairo	Egypt			
100		ETLF	Addis Ababa	Ethiopia			
20/100		—	Jülich	Germany (West)			
20/50		—	Playa de Pals (R.L.)	Spain			
50/100		GVX	Overseas Service*	U.K.			
50/80		WNYW	Boston, Mass.	U.S.A.			
50/200		KCBR	Delano, Cal.	U.S.A.			
15/120		—	Moscow, Russia	U.S.S.R.			
25/100		—	Vatican City	Vatican State			
11-935	25-14	7.5	ZYZ35	Curityba	Brazil		
		20/50	—	Lampertheim (R.L.)	Germany (West)		
		10	—	Kuala Lumpur, Malaya	Malaysia		
		260	—	Bonaire (T.W.R.)	Netherlands Antilles		
		10/100	—	Lopik-IJsselstein	Netherlands		
		100	CSA	Lisbon	Portugal		

Mc/s	Metres	kW	Call	Station and Country	
(11-935)(25-14)	20	—	—	Sabboura	Syria
11-940	25-13	1	—	Sa da Bandeira	Angola
		2	CEI194	Santiago	Chile
		100	—	Podebrady	Czechoslovakia
		75/100	—	Munich (V.o.A.)	Germany (West)
		20/100	VUD	Delhi	India
		50/100	—	Tokio	Japan
		10/50	—	Al Kuwait	Kuwait
		100	—	Bucharest	Rumania
		50	WBOU	Bound Brook, N.J.	U.S.A.
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
11-945	25-12	15/240	—	Peking	China
		100	—	Podebrady	Czechoslovakia
		50/100	—	Cairo	Egypt
		20/100	DMQ	Jülich	Germany (West)
		100	—	Conakry	Guinea Rep.
		100	—	Beirut	Lebanon
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		3	ZPA5	Encarnacion	Paraguay
		7-5/20	—	Omdurman	Sudan
		50/100	MCQ	Overseas Service*	U.K.
		—	—	Alma Ata, Kazakh	U.S.S.R.
11-950	25-10	10	PRL5	Rio de Janeiro	Brazil
		50	—	Phnompenh	Cambodia
		4/50	—	Brazzaville	Congo West
		100	—	Allouis	France
		20/100	VUD	Delhi	India
		50	—	Suwon	Korea (South)
		10/100	—	Lopik	Netherlands
		5	—	Jidda	Saudi Arabia
		50/80	WNYW	Boston, Mass.	U.S.A.
		—	—	Kharkov, Ukraine	U.S.S.R.
		50	—	Saigon	Vietnam (South)
11-955	25-09	50	—	Kabul	Afghanistan
		100	—	Shepparton, Victoria	Australia
		10	—	Gimma	Ethiopia
		8/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		10/100	—	Lopik	Netherlands
		7-5/100	—	Warsaw	Poland
		50/100	GVY	Overseas Service*	U.K.
		50	WDSI	Brentwood, N.Y.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
11-960	25-08	2-5	CEI196	Santiago	Chile
		100	—	Havana	Cuba
		100	—	Podebrady	Czechoslovakia
		75/100	—	Munich (V.o.A.)	Germany (West)
		35/100	—	Tangier (V.o.A.)	Morocco
		50	—	Malolos, Luzon (V.o.A.)	Philippines
		35/100	—	Okinawa (V.o.A.)	Ryukyu Island
		15/120	—	Moscow, Russia	U.S.S.R.
11-965	25-07	7-5	PRB24	Sao Paulo	Brazil
		20/50	—	Lampertheim (R.L.)	Germany (W.)
		100	—	Conakry	Guinea Rep.

Mc/s	Metres	kW	Call	Station and Country	
(11·965)(25·07)	20/50	—	—	Playa de Pals (R.L.)	Spain
11·970	25·06	4/50	FZI	Brazzaville	Congo West
		100	—	Havana	Cuba
		100	—	Amman	Jordan
		50	—	Monrovia (V.o.A.)	Liberia
		5	—	Jawalakhel	Nepal
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		20/50	—	Playa de Pals (R.L.)	Spain
		50	—	Tunis	Tunisia
		50/100	—	Overseas Service*	U.K.
		50/500	—	Greenville, N. Carolina	U.S.A.
		—	—	Kharkov, Ukraine	U.S.S.R.
11·975	25·05	15/240	—	Peking	China
		10/50	ELWA	Monrovia	Liberia
		15/120	—	Moscow, Russia	U.S.S.R.
11·980	25·04	15/240	—	Peking	China
		50/100	—	Cairo	Egypt
11·983	25·04	20	—	Podebrady	Czechoslovakia
		50	—	Tunis	Tunisia
11·985	25·03	15/120	—	Moscow, Russia	U.S.S.R.
11·990	25·02	100	—	Podebrady	Czechoslovakia
12·000	25·00	15/120	—	Moscow, Russia	U.S.S.R.
12·005	25·00	15/240	—	Peking	China
12·010	24·98	15/240	—	Peking	China
		15/120	—	Moscow, Russia	U.S.S.R.
12·015	24·97	15/120	—	Moscow, Russia	U.S.S.R.
12·020	24·96	15/120	—	Moscow, Russia	U.S.S.R.
12·030	24·94	15/120	—	Moscow, Russia	U.S.S.R.
12·040	24·92	50/100	GRV	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.
12·045	24·91	15/120	—	Moscow, Russia	U.S.S.R.
12·050	24·90	15/120	—	Moscow, Russia	U.S.S.R.
12·055	24·89	15/240	—	Peking	China
12·060	24·88	15/120	—	Moscow, Russia	U.S.S.R.
12·070	24·86	40	—	Kiev, Ukraine	U.S.S.R.
12·075	24·84	15/120	—	Moscow, Russia	U.S.S.R.
12·080	24·83	100	—	Lisbon	Portugal
12·090	24·81	15/120	—	Moscow, Russia	U.S.S.R.
12·095	24·80	15/240	—	Peking	China
		50/100	GRF	Overseas Service*	U.K.
12·100	24·79	15/120	—	Moscow, Russia	U.S.S.R.
12·345	24·30	1·5/8	—	Fort de France	Martinique
12·181	24·63	50/100	—	Overseas Service*	U.K.
13·310	22·54	1·5/8	—	Fort de France	Martinique
13·820	21·71	15/120	—	Moscow, Russia	U.S.S.R.
13·845	21·67	15/240	—	Peking	China
14·772	20·19	20	—	Tirana	Albania
14·820	20·24	15/240	—	Peking	China
15·000	20·00	15/120	—	Moscow, Russia	U.S.S.R.
15·040	19·95	15/240	—	Peking	China
15·050	19·93	50	HI4U	Ciudad Trujillo	Dominican Rep.
15·060	19·93	15/240	—	Peking	China
15·070	19·91	50/100	GWC	Overseas Service*	U.K.
15·080	19·90	50	—	Kabul	Afghanistan
		15/240	—	Peking	China

Mc/s	Metres	kW	Call	Station and Country	
(15-080)(19-90)	20	—	—	Paradys	South Africa
15-083	19-89	50	ELWA	Monrovia	Liberia
15-095	19-87	100	—	Wavre	Belgium
		15/240	—	Peking	China
		15/120	—	Moscow, Russia	U.S.S.R.
15-098	19-87	—	—	Hanoi	Vietnam (North)
15-100	19-87	100	—	Allouis	France
15-105	19-86	7.5	ZYZ32	Rio de Janeiro	Brazil
		20/100	—	Jülich	Germany (West)
		20/100	VUD	Delhi	India
		10/100	—	Tokio	Japan
		50/100	—	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.
15-110	19-85	7.5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		1	XERR	Mexico City	Mexico
		7.5	ZL21	Wellington	New Zealand
		40	—	Kiev, Ukraine	U.S.S.R.
15-115	19-85	15/240	—	Peking	China
		1/30	HCJB	Quito	Ecuador
		50/100	—	Cairo	Egypt
		50/100	—	Tokio	Japan
		35/100	—	Tangier (V.o.A.)	Morocco
		—	—	Simferopol, Crimea	U.S.S.R.
15-120	19-84	7.5/100	—	Warsaw	Poland
		25/100	HVJ	Vatican City	Vatican State
15-125	19-83	50	—	Kabul	Afghanistan
		20	EPB	Teheran	Iran
		50	—	Suwon	Korea (South)
		8/100	—	Poros (V.o.A.)	Philippines
		50	CSA	Lisbon	Portugal
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/200	KCBR	Delano, Cal.	U.S.A.
15-130	19-83	100	—	Allouis	France
		20/100	VUD	Delhi	India
		8/100	—	Poros (V.o.A.)	Philippines
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/200	KCBR	Delano, Cal.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		—	—	Simferopol, Crimea	U.S.S.R.
15-135	19-82	50	—	Kabul	Afghanistan
		7	PRB23	Sao Paulo	Brazil
		100	—	Havana	Cuba
		50/100	JOB15	Tokio	Japan
		50	—	Tangier	Morocco
		50/80	WNYW	Boston, Mass.	U.S.A.
		50	WBOU	Bound Brook, N.J.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
15-140	19-82	20/100	VUD	Delhi	India
		100	—	Schwarzenburg	Switzerland
		50/100	GSF	Overseas Service*	U.K.
		50	—	Petropavlovsk, Russia	U.S.S.R.
15-141	19-81	50	APK	Karachi	Pakistan
15-142	19-81	50/500	—	Greenville, N. Carolina	U.S.A.
15-145	19-81	20	ZYK33	Recife	Brazil
15-148	19-80	10	—	Al Kuwait	Kuwait

Mc/s	Metres	kW	Call	Station and Country
15·150	19·80	1	CE1515	Santiago Chile
		50/100	YDC	Djakarta, Java Indonesia
		100	—	Beirut Lebanon
		50	—	Monrovia (V.o.A.) Liberia
		4	—	Bamako Mali
		35/100	—	Tangier (V.o.A.) Morocco
		50	OAX4T	Lima Peru
		35/100	—	Poros (V.o.A.) Philippines
		35/100	—	Okinawa (V.o.A.) Ryukyu Island
		100	—	Schwarzenburg Switzerland
		50/200	KCBR	Delano, Cal. U.S.A.
		50/200	KNBH	Dixon, Cal. U.S.A.
		50/500	—	Greenville, N. Carolina U.S.A.
		—	—	Minsk, Byelorussia U.S.S.R.
15·155	19·80	10	CP40	La Paz Bolivia
		25	ZYB9	Sao Paulo Brazil
		100	—	Havana Cuba
		20/100	VUD	Delhi India
		50	ELWA	Monrovia Liberia
		50	APK	Karachi Pakistan
		50	—	Malolos, Luzon (V.o.A.) Philippines
		35/100	—	Poros (V.o.A.) Philippines
		20	—	Paradys South Africa
		100	—	Hörby Sweden
		50	WBOU	Bound Brook, N.J. U.S.A.
		110	WLWO	Cincinnati, Ohio U.S.A.
		25/100	—	Vatican City Vatican State
		15·160	19·79	100
100	—			Budapest Hungary
20/100	VUD			Delhi India
10	XEWW			Mexico City Mexico
20	—			Damascus Syria
100	TAU			Ankara Turkey
50/100	—			Overseas Service* U.K.
50/500	—			Greenville, N. Carolina U.S.A.
15/120	—			Moscow, Russia U.S.S.R.
15·165	19·78			10
		35	—	Colombo Ceylon
		50	OZH	Copenhagen Denmark
		100	—	Allouis France
		20/100	VUD	Delhi India
		260	—	Bonaire (T.W.R.) Netherland Antilles
		75/100	—	Munich (V.o.A.) Germany (West)
15·170	19·78	20/100	VUD	Delhi India
		10/100	—	Tokio Japan
		3	—	Amman Jordan
		10/100	LKV	Fredrikstad Norway
		7·5/20	—	Omdurman Sudan
		15·175	19·77	1/50
10/100	—	Tokio Japan		
100	—	Beirut Lebanon		
260	—	Bonaire (T.W.R.) Netherland Antilles		
10/100	LLM	Fredrikstad Norway		
50/500	—	Greenville, N. Carolina U.S.A.		

Mc/s	Metres	kW	Call	Station and Country			
15-180	19-76	50/100	VLA/D	Shepparton, Victoria	Australia		
		100	—	Beirut	Lebanon		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		50/100	GSO	Overseas Service*	U.K.		
		20	—	Vladivostok, Russia	U.S.S.R.		
15-185	19-76	5	—	St. Georges, Grenada	Windward Is.		
		—	—	Nicosia (B.B.C.)	Cyprus		
		10	—	Addis Ababa	Ethiopia		
		100	—	Pori	Finland		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		20/100	VUD	Delhi	India		
		50	—	Sebaa Aioun	Morocco		
		35/100	—	Tangier (V.o.A.)	Morocco		
		—	—	Ikorodu	Nigeria		
		35/100	—	Poro (V.o.A.)	Philippines		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
15-190	19-75	10	—	Achkhabad, Turkmenia	U.S.S.R.		
		50	CKCX	Sackville, N.B.	Canada		
		4/50	FZI	Brazzaville	Congo West		
		100	OIX4	Pori	Finland		
		100	—	Tema	Ghana		
		20/100	VUD	Delhi	India		
		50/100	—	Baghdad	Iraq		
		100	—	Amman	Jordan		
		50/100	—	Overseas Service*	U.K.		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		15-195	19-74	10/100	—	Tokio	Japan
35/100	—			Tangier (V.o.A.)	Morocco		
50	APK			Karachi	Pakistan		
100	TAQ			Ankara	Turkey		
110	WLWO			Cincinnati, Ohio	U.S.A.		
50/500	—			Greenville, N. Carolina	U.S.A.		
5	—			St. Georges, Grenada	Windward Is.		
15-200	19-74			100	—	Havana	Cuba
3				ZPA7	Ascuncion	Paraguay	
50				—	Malolos, Luzon (V.o.A.)	Philippines	
15-205	19-73			35	—	Colombo	Ceylon
		20/100	—	Julich	Germany (West)		
		5	XESC	Mexico City	Mexico		
		10/50	APK	Karachi	Pakistan		
		50	—	Malolos, Luzon (V.o.A.)	Philippines		
		50	WDSI	Brentwood, N.Y.	U.S.A.		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
15-210	19-72	50/500	—	Greenville, N. Carolina	U.S.A.		
		50/100	—	Cairo	Egypt		
		100	—	Tema	Ghana		
		3	—	Ascuncion	Paraguay		
		50	—	Malolos, Luzon (V.o.A.)	Philippines		
		50/200	KCBB	Delano, Cal.	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
15-215	19-72	50	WDSI	Wayne, N.J.	U.S.A.		
		50	—	Kabul	Afghanistan		
		100	—	Shepparton, Victoria	Australia		
15-220	19-71	50	—	Nicosia (B.B.C.)	Cyprus		

Mc/s	Metres	kW	Call	Station and Country			
(15-220)	(19-71)	100	ETLF	Addis Ababa	Ethiopia		
		10/100	—	Lopik-IJsselstein	Netherlands		
		250	—	Bloemendal	South Africa		
		50/80	WNYW	Boston, Mass.	U.S.A.		
15-225	19-70	—	—	Riga, Latvia	U.S.S.R.		
		25	—	Kabul	Afghanistan		
		50	—	Algiers	Algeria		
		1/50	—	Vienna	Austria		
		1/50	BED3	Taipei	Formosa		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		20/100	VUD	Delhi	India		
		10/100	—	Tokio	Japan		
		35/100	—	Tangier (V.o.A.)	Morocco		
		10/50	APK	Karachi	Pakistan		
		50	WBOU	Bound Brook, N.J.	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		15-230	19-70	10	VLG/H	Lyndhurst, Victoria	Australia
				35	—	Colombo	Ceylon
100	—			Podebrady	Czechoslovakia		
100	ETLF			Addis Ababa	Ethiopia		
2/100	—			Bocause, Luzon	Philippines		
50/100	GWD			Overseas Service*	U.K.		
25	CXA64			Melo	Uruguay		
7-5	—			Sao Paulo	Brazil		
75/100	—			Munich (V.o.A.)	Germany (West)		
50/100	—			Baghdad	Iraq		
15-235	19-69	50/100	JOB15	Tokio	Japan		
		100	—	Beirut	Lebanon		
		50	—	Monrovia (V.o.A.)	Liberia		
		35/100	—	Tangier (V.o.A.)	Morocco		
		35/100	—	Poro (V.o.A.)	Philippines		
		50/100	—	Overseas Service*	U.K.		
		50	WDSI	Brentwood, N.Y.	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		5	—	St. Georges, Grenada	Windward Is.		
		15-240	19-69	100	VLA/D	Shepparton, Victoria	Australia
				1/50	OEI69	Vienna	Austria
				—	—	Berlin	Germany (East)
				260	—	Bonaire (T.W.R.)	Netherland Antilles
				7-5/100	—	Warsaw	Poland
100	—			Hörby	Sweden		
110	WLWO			Cincinnati, Ohio	U.S.A.		
50/500	—			Greenville, N. Carolina	U.S.A.		
5	—			St. Georges, Grenada	Windward Is.		
100	—			Belgrade	Yugoslavia		
15-245	19-68	10	ZYE21	Belem	Brazil		
		50	—	Kinshasha	Congo East		
		100	—	Allouis	France		
		20/100	—	Jülich	Germany (West)		
		260	—	Bonaire (T.W.R.)	Netherland Antilles		
		50/100	—	Overseas Service*	U.K.		
		15-250	19-67	100	OLR	Podebrady	Czechoslovakia
50	—			Malolos, Luzon (V.o.A.)	Philippines		
100	—			Bucharest	Rumania		
110	WLWO			Cincinnati, Ohio	U.S.A.		

Mc/s	Metres	kW	Call	Station and Country	
15-255	19-67	50	—	Phnompenh	Cambodia
		20	—	Lagos	Nigeria
		50/200	KCBR	Delano, Cal.	U.S.A.
15-257	19-66	15/120	—	Moscow, Russia	U.S.S.R.
		—	—	Berlin	Germany (East)
		50/100	—	Tokio	Japan
15-260	19-66	7.5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		50/100	GSI	Overseas Service*	U.K.
15-265	19-65	—	—	Kazan, Tartar	U.S.S.R.
		35	—	Colombo	Ceylon
		75/100	—	Munich (V.o.A.)	Germany (West)
15-270	19-65	260	—	Bonaire (T.W.R.)	Netherland Antilles
		15/240	—	Peking	China
		—	—	Berlin	Germany (East)
15-275	19-64	4	—	Tananarive	Madagascar
		35/100	—	Tangier (V.o.A.)	Morocco
		50	WBOU	Bound Brook, N.J.	U.S.A.
		50	WDSI	Brentwood, N.Y.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		50/100	—	Cairo	Egypt
		20/100	DMQ15	Jülich	Germany (West)
15-278	19-63	50	—	Monrovia (V.o.A.)	Liberia
		7.5/100	—	Warsaw	Poland
		50/200	KCBR	Delano, Cal.	U.S.A.
		1/50	BED34	Taipei	Formosa
15-280	19-63	20/100	—	Jülich	Germany (West)
		7.5	ZL4	Wellington	New Zealand
		50	WBOU	Bound Brook, N.J.	U.S.A.
15-285	19-63	50/500	—	Greenville, N. Carolina	U.S.A.
		—	—	Novosibirsk, Russia	U.S.S.R.
		35	—	Colombo	Ceylon
		100	—	Havana	Cuba
		100	OLR5H	Podebrady	Czechoslovakia
15-287	19-62	10/100	—	Tokio	Japan
		50	—	Monrovia (V.o.A.)	Liberia
		50/100	—	Overseas Service*	U.K.
		100	—	Tema	Ghana
15-290	19-62	50/500	—	Greenville, N. Carolina	U.S.A.
		6	LRU	Buenos Aires	Argentine
15-292	19-62	100	—	Havana	Cuba
		20/100	DMQ	Jülich	Germany (West)
		20/100	VUD	Delhi	India
		50/100	—	Rome	Italy
		35/100	—	Tangier (V.o.A.)	Morocco
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		50/80	WNYW	Boston, Mass.	U.S.A.
15-295	19-61	110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		10	CR7BG	Lourenço Marques	Mozambique
15-295	19-61	1/50	—	Vienna	Austria
		10	PRL8	Rio de Janeiro	Brazil
		50	OZF9	Copenhagen	Denmark
		1/50	—	Taipei	Formosa
		20/100	DMQ	Jülich	Germany (West)

Mc/s	Metres	kW	Call	Station and Country	
(15·295)	(19·61)	35/100	—	Tangier (V.o.A.)	Morocco
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		50/100	—	Overseas Service*	U.K.
		50/80	WNYW	Boston, Mass.	U.S.A.
15·300	19·61	15/120	—	Moscow, Russia	U.S.S.R.
		100	—	La Paz	Bolivia
		20	—	Addis Ababa	Ethiopia
		2	DZH9	Manila, Luzon	Philippines
15·305	19·60	50/100	GWR	Overseas Service*	U.K.
		35	—	Salonika (V.o.A.)	Greece
		100	HER6	Schwarzenburg	Switzerland
		50/500	—	Greenville, N. Carolina	U.S.A.
15·310	19·60	20/100	—	Jülich	Germany (West)
		20/100	VUD	Delhi	India
		10/100	—	Tokio	Japan
		7·5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		50/100	GSP	Overseas Service*	U.K.
		50/200	KCBR	Delano, Cal.	U.S.A.
		50	WDSI	Wayne, N.J.	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
15·315	19·59	50	—	Monrovia (V.o.A.)	Liberia
		35/100	—	Tangier (V.o.A.)	Morocco
		100	HEU6	Schwarzenburg	Switzerland
		50/200	KCBR	Delano, Cal.	U.S.A.
15·318	19·58	50/500	—	Greenville, N. Carolina	U.S.A.
		50	—	Minhsiung	Formosa
15·320	19·58	50	CKCS	Sackville, N.B.	Canada
		15/120	—	Moscow, Russia	U.S.S.R.
15·325	19·58	1/50	—	Vienna	Austria
		50/100	I2RO	Rome	Italy
		50/100	JOB15	Tokio	Japan
		50	WBOU	Bound Brook, N.J.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		—	—	Leningrad, Russia	U.S.S.R.
		100	—	Shepparton, Victoria	Australia
		100	—	Wavre	Belgium
15·330	19·57	120	—	Sofia	Bulgaria
		35	—	Colombo	Ceylon
		75/100	—	Munich (V.o.A.)	Germany (West)
		20/100	VUD	Delhi	India
		50/100	—	Rome	Italy
		50	WBOU	Bound Brook, N.J.	U.S.A.
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/200	KCBR	Delano, Cal.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		25/100	WGEO	Schenectady, N.Y.	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
		15·335	19·56	100	ORU
20	ZYU68			Porto Alegre	Brazil
7·5	—			Athens	Greece
50	HLK42			Suwon	Korea (South)
50	APK			Karachi	Pakistan
35/100	—			Poro (V.o.A.)	Philippines
25/100	WGEO			Schenectady, N.Y.	U.S.A.
10	—			Tiflis, Georgia	U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country			
15-340	19-56	100	—	Havana	Cuba		
		1	ETAA	Addis Ababa	Ethiopia		
		—	—	Berlin	Germany (East)		
		75/100	—	Munich (V.o.A.)	Germany (West)		
		100	—	Bucharest	Rumania		
15-345	19-55	20/50	—	Playa de Pals (R.L.)	Spain		
		50/200	KCBR	Delano, Cal.	U.S.A.		
		5	LRA33	Buenos Aires	Argentina		
		1/50	—	Vienna	Austria		
		1/50	BED57	Taipei	Formosa		
		7.5	—	Athens	Greece		
		100	—	Amman	Jordan		
		50	—	Sebaa Aioun	Morocco		
		15-350	19-54	50/100	—	Cairo	Egypt
				100	—	Allouis	France
20/100	VUD			Delhi	India		
5	—			Luxembourg	Luxembourg		
50/500	—			Greenville, N. Carolina	U.S.A.		
15-355	19-54	100	WLWO	Cincinnati, Ohio	U.S.A.		
15-360	19-53	35	—	Colombo	Ceylon		
		35/100	—	Poros (V.o.A.)	Philippines		
		50/100	—	Overseas Service*	U.K.		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
15-365	19-52	100	—	Budapest	Hungary		
		20/100	VUD	Delhi	India		
		7.5/100	—	Lourenço Marques	Mozambique		
		10/100	—	Lopik-IJsselstein	Netherlands		
		7/20	—	Sabboura	Syria		
		110	WLWO	Cincinnati, Ohio	U.S.A.		
		50/500	—	Greenville, N. Carolina	U.S.A.		
		15-370	19-52	25	ZYC9	Rio de Janeiro	Brazil
15/240	—			Peking	China		
100	—			Djakarta, Java	Indonesia		
3/10	—			Jidda	Saudi Arabia		
20/50	—			Playa de Pals (R.L.)	Spain		
50/80	WNYW			Boston, Mass.	U.S.A.		
50/500	—			Greenville, N. Carolina	U.S.A.		
15-375	19-51			35/100	—	Poros (V.o.A.)	Philippines
		50/100	—	Overseas Service*	U.K.		
		10	—	Achkhabad, Turkmenia	U.S.S.R.		
		5	—	St. Georges, Grenada	Windward Is.		
15-380	19-51	35	—	Colombo	Ceylon		
		20/100	VUD	Delhi	India		
		2/100	—	Bocau, Luzon	Philippines		
		100	CSA42	Lisbon	Portugal		
		100	—	Bucharest	Rumania		
		50/80	WNYW	Boston, Mass.	U.S.A.		
15-385	19-49	75/100	—	Munich (V.o.A.)	Germany (West)		
		50	—	Monrovia (V.o.A.)	Liberia		
		50/80	WNYW	Boston, Mass.	U.S.A.		
		15/120	—	Moscow, Russia	U.S.S.R.		
		10	CXA60	Montevideo	Uruguay		

Mc/s	Metres	kW	Call	Station and Country	
15-390	19-49	50/100	—	Cairo	Egypt
		10/100	—	Tokio	Japan
		50/100	—	Overseas Service*	U.K.
		50/80	WNYW	Boston, Mass.	U.S.A.
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
15-395	19-49	50	WDSI	Wayne, N.J.	U.S.A.
		1/50	—	Taipei	Formosa
		20/50	—	Lampertheim (R.L.)	Germany (West)
		75/100	—	Munich (V.o.A.)	Germany (West)
		110	WLWO	Cincinnati, Ohio	U.S.A.
15-400	19-48	—	—	Kazan, Tartar	U.S.S.R.
		100	—	Tema	Ghana
		20/100	VUD	Delhi	India
		50/100	—	Baghdad	Iraq
		50/100	—	Rome	Italy
		35/100	—	Poro (V.o.A.)	Philippines
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
15-405	19-48	40	—	Kiev, Ukraine	U.S.S.R.
		20/100	DMQ15	Jülich	Germany (West)
		50	—	Malolos, Luzon (V.o.A.)	Philippines
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/200	KCBR	Delano, Cal.	U.S.A.
		50/200	KNBH	Dixon, Cal.	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
15-408	19-47	5	—	St. Georges, Granada	Windward Is.
		50	—	Sebaa Aioun	Morocco
15-410	19-47	1/50	OEL66	Vienna	Austria
		100	ELTF	Addis Ababa	Ethiopia
		50/100	—	Overseas Service*	U.K.
		50	WBOU	Bound Brook, N.J.	U.S.A.
15-415	19-46	50/500	—	Greenville, N. Carolina	U.S.A.
		1	ZYR206	Ribeirao Preto	Brazil
		35	—	Colombo	Ceylon
		20/50	—	Lampertheim (R.L.)	Germany (West)
		15/100	—	Budapest	Hungary
		20	—	Paradys	South Africa
		50	WBOU	Bound Brook, N.J.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
15-417	19-46	40	—	Kiev, Ukraine	U.S.S.R.
15-420	19-46	15/240	—	Peking	China
		100	OLR	Podebrady	Czechoslovakia
		50/200	—	Madrid	Spain
		100	—	Hörby	Sweden
15-425	19-45	50/100	—	Overseas Service*	U.K.
		2/10	VLW/X	Perth, W.A.	Australia
		10/100	—	Tokio	Japan
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		10/100	—	Lopik-IJsselstein	Netherlands
		75/100	—	Munich (V.o.A.)	Germany (West)
15-430	19-44	50/100	—	Cairo	Egypt
15-432	19-44	50/100	—	Vienna	Austria
15-435	19-44	1/50	—	Vienna	Austria
		7.5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		50/100	GWE	Overseas Service*	U.K.

Mc/s	Metres	kW	Call	Station and Country	
15-440	19-43	10	—	Brasilia	Brazil
		75/100	—	Munich (V.o.A.)	Germany (West)
		20/100	VUD	Delhi	India
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		50/80	WNYW	Boston, Mass.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
15-445	19-42	15/120	—	Moscow, Russia	U.S.S.R.
		4/50	—	Brazzaville	Congo West
		100	OLR	Podebrady	Czechoslovakia
		100	—	Amman	Jordan
		10/100	—	Lopik-IJsselstein	Netherlands
15-450	19-42	50/100	—	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.
15-455	19-41	50/100	—	Cairo	Egypt
		20	—	Vladivostok, Russia	U.S.S.R.
15-460	19-40	15/120	—	Moscow, Russia	U.S.S.R.
15-464	19-40	—	—	Paramaribo	Dutch Guinea
15-475	19-39	50/100	—	Cairo	Egypt
15-480	19-38	15/240	—	Peking	China
15-500	19-37	15/240	—	Peking	China
15-520	19-34	15/120	—	Moscow, Russia	U.S.S.R.
15-545	19-30	15/240	—	Peking	China
15-550	19-29	15/240	—	Peking	China
15-555	19-29	15/240	—	Peking	China
15-574	19-26	15/240	—	Peking	China
15-610	19-22	15/240	—	Peking	China
		15/120	—	Moscow, Russia	U.S.S.R.
15-710	19-10	15/240	—	Peking	China
15-750	19-05	50/500	—	Greenville, N. Carolina	U.S.A.
15-780	19-02	15/120	—	Moscow, Russia	U.S.S.R.
		25	—	Sana'a	Yemen
15-870	18-94	15/120	—	Moscow, Russia	U.S.S.R.
15-880	18-92	15/240	—	Peking	China
15-913	18-87	50/100	—	Overseas Service*	U.K.
15-960	18-80	15/240	—	Peking	China
16-270	18-44	15/240	—	Peking	China
16-485	18-20	100	—	Budapest	Hungary
17-490	17-15	15/240	—	Peking	China
17-544	17-10	1	—	Curragh	Eire
17-605	17-04	15/240	—	Peking	China
17-640	17-01	7-5/10	APD	Dacca	Pakistan
17-660	16-99	50/100	—	Overseas Service*	U.K.
17-671	16-98	50/100	—	Cairo	Egypt
17-675	16-97	15/240	—	Peking	China
17-690	16-96	50/100	—	Cairo	Egypt
17-695	16-95	20	—	Paradys	South Africa
		50/100	—	Overseas Service*	U.K.
17-700	16-95	—	—	Nicosia (B.B.C.)	Cyprus
		50	—	Tunis	Tunisia
		—	—	Tallinn, Estonia	U.S.S.R.
17-705	16-94	100	—	Havana	Cuba
		20/100	VUD	Delhi	India
		10	—	Chagos	Mauritius
		35/100	—	Tangier (V.o.A.)	Morocco
		260	—	Bonaire (T.W.R.)	Netherland Antilles

Mc/s	Metres	kW	Call	Station and Country
(17-705)	(16-94)	50/100	—	Overseas Service* U.K.
		50/200	KNBH	Dixon, Cal. U.S.A.
17-710	16-94	50	—	Phnompenh Cambodia
		—	—	Nicosia (B.B.C.) Cyprus
		100	—	Allouis France
		7-5/10	APD	Dacca Pakistan
		110	WLWO	Cincinnati, Ohio U.S.A.
		50/500	—	Greenville, N. Carolina U.S.A.
17-715	16-93	15/120	—	Moscow, Russia U.S.S.R.
		10	—	Lyndhurst, Victoria Australia
		15/240	—	Peking China
		100	—	Conakry Guinea Rep.
		20/100	VUD	Delhi India
		100	HEU7	Schwarzenburg Switzerland
		50/100	GRA	Overseas Service* U.K.
		10	—	Montevideo Uruguay
17-720	16-93	4/50	FZI	Brazzaville Congo West
		100	—	Havana Cuba
		100	—	Allouis France
		—	—	Berlin Germany (East)
		100	—	Budapest Hungary
		260	—	Bonaire (T.W.R.) Netherland Antilles
		20/50	—	Playa de Pals (R.L.) Spain
		100	—	Schwarzenburg Switzerland
		50/500	—	Greenville, N. Carolina U.S.A.
		—	—	Riga, Latvia U.S.S.R.
		10	CXA57	Montevideo Uruguay
17-725	16-93	25/100	—	Vatican City Vatican State
		25	—	Sao Paulo Brazil
		20/100	VUD	Delhi India
		10/100	—	Tokio Japan
		50	—	Monrovia (V.o.A.) Liberia
17-730	16-92	100	OLR	Podebrady Czechoslovakia
		50/100	—	Cairo Egypt
		20/50	—	Lampertheim (R.L.) Germany (West)
		7-5/10	APD	Dacca Pakistan
		50/100	GVQ	Overseas Service* U.K.
		50	WBOU	Bound Brook, N.J. U.S.A.
		100	WLWO	Cincinnati, Ohio U.S.A.
		50/500	—	Greenville, N. Carolina U.S.A.
17-735	16-92	15/120	—	Moscow, Russia U.S.S.R.
		75/100	—	Munich (V.o.A.) Germany (West)
		50	—	Tangier Morocco
		7-5/10	APD	Dacca Pakistan
		50	—	Tunis Tunisia
		50/200	KNBH	Dixon, Cal. U.S.A.
17-740	16-91	100	—	Allouis France
		—	—	Berlin Germany (East)
		100	—	Tema Ghana
		50/100	—	Rome Italy
		100	—	Beirut Lebanon
		260	—	Bonaire (T.W.R.) Netherland Antilles
		100	CSA43	Lisbon Portugal
		50/100	GRQ	Overseas Service* U.K.
		15/120	—	Moscow, Russia U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country	
17-745	16-91	20/50	—	Lampertheim (R.L.)	Germany (West)
		7.5	—	Athens	Greece
		50	APK	Karachi	Pakistan
		50	—	Malolos, Luzon (V.o.A.)	Philippines
		20/50	—	Playa de Pals (R.L.)	Spain
		20	—	Sabboura	Syria
		50/100	—	Overseas Service*	U.K.
17-750	16-90	100	—	Havana	Cuba
		100	—	Podebrady	Czechoslovakia
		50/100	—	Cairo	Egypt
		50/100	—	Al Kuwait	Kuwait
		35/100	—	Tangier (V.o.A.)	Morocco
		10/50	APK	Karachi	Pakistan
		50/500	—	Greenville, N. Carolina	U.S.A.
17-755	16-90	100	OLR	Podebrady	Czechoslovakia
		50/100	JOA17	Tokio	Japan
		7.5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		10/100	LLW	Fredrikstad	Norway
		50/100	—	Overseas Service*	U.K.
		50/500	—	Greenville, N. Carolina	U.S.A.
		25/100	WGEO	Schenectady, N.Y.	U.S.A.
17-760	16-89	10/100	VUB	Bombay	India
		20/100	VUD	Delhi	India
		10/50	APK	Karachi	Pakistan
		50/80	WNYW	Boston, Mass.	U.S.A.
17-765	16-89	100	—	Allouis	France
		50/200	KCBR	Delano, Cal.	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
17-770	16-88	20	—	Addis Ababa	Ethiopia
		50/100	—	Rome	Italy
		35/100	—	Tangier (V.o.A.)	Morocco
		50/200	KCBR	Delano, Cal.	U.S.A.
17-775	16-88	100	—	Podebrady	Czechoslovakia
		4	—	Bamako	Mali
		10/100	PHI	Lopik-IJsselstein	Netherlands
		7.5/50	—	Poro (V.o.A.)	Philippines
		20	—	Khabarovsk, Russia	U.S.S.R.
		15/120	—	Moscow, Russia	U.S.S.R.
17-780	16-87	1/50	—	Vienna	Austria
		15/240	—	Peking	China
		75/100	—	Munich (V.o.A.)	Germany (West)
		50/100	—	Overseas Service*	U.K.
		50	WBOU	Bound Brook, N.J.	U.S.A.
17-785	16-87	50/500	—	Greenville, N. Carolina	U.S.A.
		50/100	—	Cairo	Egypt
		1/50	—	Taipei	Formosa
		20/50	—	Lampertheim (R.L.)	Germany (West)
		50	—	Monrovia (V.o.A.)	Liberia
17-790	16-86	25	—	Frunze, Kirghiz	U.S.S.R.
		50	—	Monrovia (V.o.A.)	Liberia
		50/100	GSG	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.
17-795	16-86	1/50	—	Vienna	Austria
		100	—	Wavre	Belgium
		7.5	—	Porto Alegre	Brazil

Mc/s	Metres	kW	Call	Station and Country	
(17.795)(16.86)	50/100		JOA17	Tokio	Japan
	260	—	—	Bonaire (T.W.R.)	Netherland Antilles
	100		HER7	Schwarzenburg	Switzerland
	110		WLWO	Cincinnati, Ohio	U.S.A.
	50/500	—	—	Greenville, N. Carolina	U.S.A.
17.800	16.85	15/120	—	Moscow, Russia	U.S.S.R.
		1/50	OEI74	Vienna	Austria
		20/100	VUD	Delhi	India
		50/100	—	Rome	Italy
		10/100	—	Lopik-IJsselstein	Netherlands
		7.5/100	—	Warsaw	Poland
		50/100	—	Overseas Service*	U.K.
		110	WLWO	Cincinnati, Ohio	U.S.A.
17.805	16.85	1/50	—	Vienna	Austria
		250	—	Bloemendal	South Africa
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		—	—	Tallinn, Estonia	U.S.S.R.
17.810	16.84	15/240	—	Peking	China
		20	—	Addis Ababa	Ethiopia
		50	YDF4	Djarkarta, Java	Indonesia
		10/100	—	Lopik-IJsselstein	Netherlands
		2/100	DZI16	Bocau, Luzon	Philippines
		50/100	GSV	Overseas Service*	U.K.
		50/80	WNYW	Boston, Mass.	U.S.A.
		10	—	Sao Paulo	Brazil
17.815	16.84	100	—	Havana	Cuba
		1/50	BED63	Taipei	Formosa
		20/100	DMQ17	Jülich	Germany (West)
		50	—	Suwon	Korea (South)
		50	—	Tangier	Morocco
		100	—	Shepparton, Victoria	Australia
		1/50	—	Vienna	Austria
17.820	16.84	50	CKNC	Sackville, N.B.	Canada
		7.5	—	Colombo	Ceylon
		100	—	Havana	Cuba
		20/100	VUD	Delhi	India
		100	—	Schwarzenburg	Switzerland
		100	TAV	Ankara	Turkey
		50/200	KCBR	Delano, Cal.	U.S.A.
		—	—	Berlin	Germany (East)
		10/100	LLN	Fredrikstad	Norway
		50/100	—	Overseas Service*	U.K.
		15/120	—	Moscow, Russia	U.S.S.R.
17.827	16.83	100	TAV	Ankara	Turkey
17.830	16.83	35	—	Colombo	Ceylon
		75/100	—	Munich (V.o.A.)	Germany (West)
		20/100	VUD	Delhi	India
		260	—	Bonaire (T.W.R.)	Netherland Antilles
		100	—	Schwarzenburg	Switzerland
		50/80	WNYW	Boston, Mass.	U.S.A.
		50	WBOU	Bound Brook, N.J.	U.S.A.
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/200	KCBR	Delano, Cal.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
	25/100	WGEO	Schenectady, N.Y.	U.S.A.	

Mc/s	Metres	kW	Call	Station and Country	
17-835	16-82	100	—	Wavre	Belgium
		15/240	—	Peking	China
17-840	16-82	50/100	VLA/D	Shepparton, Victoria	Australia
		50	—	Monrovia (V.o.A.)	Liberia
		10/100	—	Lopik-IJsselstein	Netherlands
		100	—	Hörby	Sweden
		50/100	—	Overseas Service*	U.K.
		50/500	—	Greenville, N. Carolina	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
		25/100	HVJ	Vatican City	Vatican State
17-845	16-82	100	ORU	Wavre	Belgium
		20/100	DMQ17	Jülich	Germany (West)
		35/100	—	Poro (V.o.A.)	Philippines
		100	—	Hörby	Sweden
		100	—	Schwarzenburg	Switzerland
		50/80	WNYW	Boston, Mass.	U.S.A.
17-848	16-81	100	—	Havana	Cuba
17-850	16-81	100	—	Wavre	Belgium
		1/50	—	Taipei	Formosa
		100	—	Allouis	France
		100	—	Bucharest	Rumania
		110	WLWO	Cincinnati, Ohio	U.S.A.
17-855	16-81	50/200	KNBH	Dixon, Cal.	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
		1/50	OEI707	Vienna	Austria
		100	—	Wavre	Belgium
		100	—	Havana	Cuba
		20/100	VUD	Delhi	India
		35/100	—	Tangier (V.o.A.)	Morocco
		35/100	—	Poro (V.o.A.)	Philippines
17-860	16-80	50	WBOU	Bound Brook, N.J.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		100	ORU	Wavre	Belgium
		50	—	Djakarta, Java	Indonesia
		50/100	—	Overseas Service*	U.K.
		50/500	—	Greenville, N. Carolina	U.S.A.
17-865	16-80	15/120	—	Moscow, Russia	U.S.S.R.
		—	—	Tashkent, Uzbek	U.S.S.R.
		10	—	La Paz	Bolivia
		20/50	—	Lampertheim (R.L.)	Germany (W.)
		100	—	Tema	Ghana
17-870	16-79	20	—	Damascus	Syria
		100	—	Shepparton, Victoria	Australia
		—	—	Nicosia (B.B.C.)	Cyprus
		20/100	—	Jülich	Germany (West)
		50	—	Monrovia (V.o.A.)	Liberia
		35/100	—	Poro (V.o.A.)	Philippines
		50/100	GRP	Overseas Service*	U.K.
		110	WLWO	Cincinnati, Ohio	U.S.A.
17-875	16-79	50/500	—	Greenville, N. Carolina	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
		1/50	OEI702	Vienna	Austria
		1	PRL4	Rio de Janeiro	Brazil
		50/100	—	Cairo	Egypt
20/100	DMQ17	Jülich	Germany (West)		

Mc/s	Metres	kW	Call	Station and Country	
(17·875)(16·79)		50	—	Djakarta, Java	Indonesia
		10/100	—	Tokio	Japan
		20/50	—	Playa de Pals (R.L.)	Spain
17·880	16·78	10	—	Montevideo	Uruguay
		1/50	—	Vienna	Austria
		7·5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		100	CSA	Lisbon	Portugal
		50/100	—	Overseas Service*	U.K.
17·885	16·78	50/80	WNYW	Boston, Mass.	U.S.A.
		50	—	Petropavlovsk, Russia	U.S.S.R.
		1/50	—	Vienna	Austria
		75/100	—	Munich (V.o.A.)	Germany (West)
		20/50	—	Playa de Pals (R.L.)	Spain
17·890	16·77	50/500	—	Greenville, N. Carolina	U.S.A.
		15/120	—	Moscow, Russia	U.S.S.R.
		1/30	HCJB	Quito	Ecuador
		20/50	BED77	Minhsiung	Formosa
		7·5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
17·895	16·76	10/50	APK	Karachi	Pakistan
		50/100	GVO	Overseas Service*	U.K.
		20/50	—	Lampertheim (R.L.)	Germany (West)
		10/100	—	Tokio	Japan
		10/50	APK	Karachi	Pakistan
17·905	16·76	50/100	—	Lisbon	Portugal
		10	CXA54	Kaunas, Lithuania	U.S.S.R.
		10	—	Montevideo	Uruguay
		50/100	—	Cairo	Egypt
		17·910	16·75	100	—
17·920	16·74	100	—	Lisbon	Portugal
		50/100	—	Cairo	Egypt
18·080	16·59	50/100	—	Overseas Service*	U.K.
18·150	16·52	50/100	—	Overseas Service*	U.K.
18·180	16·50	50/100	—	Overseas Service*	U.K.
18·287	16·42	15/120	—	Moscow, Russia	U.S.S.R.
18·345	16·36	50/100	—	Overseas Service*	U.K.
18·375	16·33	15/240	—	Peking	China
18·735	16·01	25	—	Sana'a	Yemen
18·858	15·91	25	—	Sana'a	Yemen
21·437	13·99	100	—	Tema	Ghana
21·450	13·99	100	OLR	Podebrady	Czechoslovakia
21·455	13·99	100	—	Podebrady	Czechoslovakia
		35/100	—	Tangier (V.o.A.)	Morocco
		—	—	Ikorodu	Nigeria
		50/100	—	Overseas Service*	U.K.
		100	—	Havana	Cuba
21·460	13·98	50	—	Djakarta, Java	Indonesia
		50/80	WNYW	Boston, Mass.	U.S.A.
		50/200	KCBR	Delano, Cal.	U.S.A.
		7·5	APD	Dacca	Pakistan
21·464	13·98	50	—	Djakarta, Java	Indonesia
21·465	13·98	—	—	Ikorodu	Nigeria
		50/500	—	Greenville, N. Carolina	U.S.A.
		50/100	GSH	Overseas Service*	U.K.
21·470	13·97	—	—	Novosibirsk, Russia	U.S.S.R.
21·475	13·97	—	—	Simferopol, Russia	U.S.S.R.

Mc/s	Metres	kW	Call	Station and Country	
21.480	13.97	10/100	—	Lopik-IJsselstein	Netherlands
21.485	13.96	110	WLWO	Cincinnati, Ohio	U.S.A.
		25/100	—	Vatican City	Vatican State
21.490	13.96	50/100	—	Overseas Service*	U.K.
21.495	13.95	100	CSA67	Lisbon	Portugal
21.500	13.95	4/50	FZI	Brazzaville	Congo West
		50/80	WNYW	Boston, Mass.	U.S.A.
21.505	13.95	15/120	—	Moscow, Russia	U.S.S.R.
21.510	13.95	100	ORU	Wavre	Belgium
		100	—	Conakry	Guinea Rep.
		100	WLWO	Cincinnati, Ohio	U.S.A.
21.515	13.94	4	DZI8	Manila, Luzon	Philippines
		25/100	HVJ	Vatican City	Vatican State
21.520	13.94	5	4VWI	Cap Haitien	Haiti
		100	HER8	Schwarzenburg	Switzerland
21.525	13.94	10	—	Al Kuwait	Kuwait
21.530	13.93	50/100	GSI	Overseas Service*	U.K.
		25	—	Frunze, Kirghiz	U.S.S.R.
21.535	13.93	20	ELWA	Monrovia	Liberia
21.540	13.93	50/100	VLA/D	Shepparton, Victoria	Australia
		35/100	—	Tangier (V.o.A.)	Morocco
		50	WBOU	Bound Brook, N.J.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
21.545	13.92	100	—	Tema	Ghana
21.550	13.92	50/100	GSI	Overseas Service*	U.K.
21.555	13.92	15/120	—	Moscow, Russia	U.S.S.R.
21.560	13.91	50/100	—	Rome	Italy
		100	—	Schwarzenburg	Switzerland
21.565	13.91	10/100	—	Lopik-IJsselstein	Netherlands
21.570	13.91	50	WBOU	Bound Brook, N.J.	U.S.A.
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50	WDSI	Wayne, N.J.	U.S.A.
21.575	13.91	100	—	Madrid	Spain
		50/100	—	Overseas Service*	U.K.
21.580	13.90	100	—	Allouis	France
		20/100	VUD	Delhi	India
21.585	13.90	75/100	—	Munich (V.o.A.)	Germany (West)
		—	—	Minsk, Byelorussia	U.S.S.R.
21.590	13.90	—	—	Pyongyang	Korea (South)
		50/100	APK	Karachi	Pakistan
		50/100	—	Overseas Service*	U.K.
		50/200	KCBR	Delano, Cal.	U.S.A.
		50/200	KNBH	Dixon, Cal.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
		25/100	WGEO	Schenectady, N.Y.	U.S.A.
21.595	13.90	75/100	—	Munich (V.o.A.)	Germany (West)
		50/100	—	Overseas Service*	U.K.
21.600	13.89	100	—	Havana	Cuba
		—	—	Leningrad, Russia	U.S.S.R.
21.610	13.89	7.5/100	—	Tebrau, Malaya (B.B.C.)	Malaysia
		50/100	—	Overseas Service*	U.K.
		110	WLWO	Cincinnati, Ohio	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
21.615	13.88	20/100	VUD	Delhi	India
		50/100	—	Overseas Service*	U.K.

Mc/s	Metres	kW	Call	Station and Country	
21-620	13-88	100	—	Allouis	France
		50/100	—	Overseas Service*	U.K.
21-625	13-87	100	—	Podebrady	Czechoslovakia
		10/100	—	Lopik-IJsselstein	Netherlands
21-626	13-87	4/50	FZI	Brazzaville	Congo West
21-630	13-87	50/100	GVT	Overseas Service*	U.K.
21-640	13-86	50/100	GRZ	Overseas Service*	U.K.
		2	—	Baku, Azerbaijan	U.S.S.R.
21-645	13-86	10/100	VUB	Bombay	India
		50	WBOU	Bound Brook, N.J.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
21-650	13-86	50	WDSI	Wayne, N.J.	U.S.A.
		20/100	DMQ21	Jülich	Germany (West)
		50	WDSI	Brentwood, N. Y.	U.S.A.
21-655	13-85	35/100	—	Poro (V.o.A.)	Philippines
		50/200	KNBH	Dixon, Cal.	U.S.A.
21-660	13-85	50/100	MCX	Overseas Service*	U.K.
		50/200	KNBH	Dixon, Cal.	U.S.A.
21-665	13-85	10/100	—	Lopik-IJsselstein	Netherlands
21-670	13-84	20/100	VUD	Delhi	India
		5	LLP	Fredrikstad	Norway
		50/100	—	Greenville, N. Carolina	U.S.A.
21-675	13-84	50/100	GVR	Overseas Service*	U.K.
21-680	13-84	10	—	La Paz	Bolivia
		50/100	—	Overseas Service*	U.K.
21-685	13-83	7.5	APD	Dacca	Pakistan
21-690	13-83	20	—	Paradys	South Africa
		50/500	—	Greenville, N. Carolina	U.S.A.
21-695	13-83	35/100	—	Tangier (V.o.A.)	Morocco
21-700	13-83	20/100	VUD	Delhi	India
		50	CSA	Lisbon	Portugal
21-705	13-82	100	—	Havana	Cuba
		20/100	DMQ	Jülich	Germany (West)
21-710	13-82	50/100	GVS	Overseas Service*	U.K.
21-715	13-82	20/50	—	Minhsiung	Formosa
		10/100	—	Lopik-IJsselstein	Netherlands
21-720	13-81	50	WBOU	Bound Brook, N.J.	U.S.A.
		50/500	—	Greenville, N. Carolina	U.S.A.
21-730	13-81	5	LLQ	Fredrikstad	Norway
21-732	13-80	20/50	—	Minhsiung	Formosa
21-735	13-80	50	WDSI	Wayne, N.J.	U.S.A.
		5	—	Tashkent, Uzbek	U.S.S.R.
21-740	13-80	50/100	MCY	Overseas Service*	U.K.
		50/500	—	Greenville, N. Carolina	U.S.A.
		50	WDSI	Wayne, N.J.	U.S.A.
21-745	13-80	50/200	KCBR	Delano, Cal.	U.S.A.
21-825	13-75	100	—	Podebrady	Czechoslovakia
25-610	11-71	10/100	—	Lopik-IJsselstein	Netherlands
25-630	11-70	50/200	KCBR	Delano, Cal.	U.S.A.
25-650	11-70	50/100	—	Overseas Service*	U.K.
25-670	11-69	50/100	—	Overseas Service*	U.K.
25-700	11-67	10	—	La Paz	Bolivia
25-720	11-67	20/100	VUD	Delhi	India
		50/100	GSR	Overseas Service*	U.K.

Mc/s	Metres	kW	Call	Station and Country	
25-750	11-65	50/100	GSQ	Overseas Service*	U.K.
25-795	11-63	15	—	Alma Ata, Kazakh	U.S.S.R.
25-840	11-62	50/100	GSS	Overseas Service*	U.K.
25-900	11-59	5/100	LLA	Fredrikstad	Norway
25-935	11-57	15/120	—	Moscow, Russia	U.S.S.R.
25-945	11-56	1/50	OEI91	Vienna	Austria
26-040	11-52	10/100	—	Lopik-IJsselstein	Netherlands
		50/100	—	Overseas Service*	U.K.
		50	WBOU	Bound Brook, N.J.	U.S.A.
26-080	11-50	50/100	GSK	Overseas Service*	U.K.

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

European Standard Frequency Transmitters

		Carrier	kW	Modulation (c/s)
CZECHOSLOVAKIA				
Prague	OMA	50 kc/s	5	1
		2.5 Mc/s	1	1; 1000
FRANCE				
Paris	FFH	2.5 Mc/s	0.3	1; 440; 1000
Allouis (O.R.T.F.)	—	164 kc/s	450	—
W. GERMANY				
Mainflingen	DCF77	77.5 kc/s	12	1; 200; 440
ITALY				
Rome	IAM	5 Mc/s	1	1; 1000
Turin	IBF	5 Mc/s	0.3	1; 1000
SWEDEN				
Motala	SBG	191 kc/s	600	—
Stockholm	SAJ	150 Mc/s	0.06	—
SWITZERLAND				
Neuchatel	HBN	5 Mc/s	0.5	1; 500
Prangins	HBG	75 kc/s	25	1
U.K.				
Rugby	GBR	16 kc/s	350	1
Rugby	MSF	60 kc/s	10	1
		2.5 Mc/s	0.5	1
		5 Mc/s	0.5	1
		10 Mc/s	0.5	1
Droitwich (B.B.C.)	—	200 kc/s	400	—
U.S.S.R.				
Moscow	RES	100 kc/s	—	1
Moscow	RWM	5 Mc/s	20	1; 1000
		10 Mc/s	20	1; 1000
		15 Mc/s	20	1; 1000

Short-wave Broadcasting Bands

By international agreement, reached in Geneva in 1959, broadcasting on the short waves is limited to certain bands; these are listed below. It will be seen, however, from the following list that many stations operate outside these bands. Some bands are shared with other services and the use of others (marked T) is limited to the Tropical Zone (see map on pages 68 and 69).

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)	Shared with fixed services.
5·950 — 6·200	
7·100 — 7·300	In Region 2 this band is allocated exclusively to amateurs.
9·500 — 9·775	
11·700 — 11·975	
15·100 — 15·450	
17·700 — 17·900	
21·450 — 21·750	
25·600 — 26·100	

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:

$$\begin{array}{l} \text{Kilocycles to Metres} \\ \text{metres} = \frac{300,000}{\text{frequency (kc/s)}} \end{array}$$

$$\begin{array}{l} \text{Megacycles to Metres} \\ \text{metres} = \frac{300}{\text{frequency (Mc/s)}} \end{array}$$

$$\begin{array}{l} \text{Metres to Kilocycles} \\ \text{kc/s} = \frac{300,000}{\text{wavelength (metres)}} \end{array}$$

$$\begin{array}{l} \text{Metres to Megacycles} \\ \text{Mc/s} = \frac{300}{\text{wavelength (metres)}} \end{array}$$

Geographical List of Short-wave Stations of the World

	Mc/s		Mc/s		Mc/s
AFGHANISTAN		Nova Lisboa	4·852	Shepparton,	
Kabul	4·040		5·060	Victoria	11·810
	4·775		7·160		11·840
	5·006		9·665		11·880
	6·000		11·925		11·955
	7·200	Nova Redondo	6·000		15·180
	9·590	Sa da Bandeira	5·024		15·220
	9·635		9·675		15·240
	9·650		11·940		15·330
	11·735	Silva Porto	4·996		17·820
	11·955		7·120		17·840
	15·080		7·205		17·870
	15·125	ARGENTINA			21·540
	15·135	Buenos Aires	5·985	Sydney, N.S.W.	6·090
	15·220		6·060	AUSTRIA	
	15·225		6·090	Innsbruck	6·000
ALBANIA			6·120	Vienna	6·155
Scutari	8·215		9·660		7·245
Tirana	4·695		9·690		9·525
	6·400		9·708		9·770
	7·088		9·740		11·755
	7·851		9·760		11·785
	9·386		11·780		11·840
	14·772		11·880		11·845
ALGERIA			15·290		11·870
Algiers	6·080		15·345		11·890
	6·145	Mendoza	6·180		15·225
	6·150	AUSTRALIA			15·240
	6·160	Brisbane, Qld.	4·920		15·295
	7·250		9·660		15·325
	9·510	Lyndhurst,			15·345
	9·610	Victoria	6·150		15·410
	9·685		9·580		15·435
	11·810		9·680		17·780
	11·835		11·840		17·795
	15·225		11·880		17·800
ANDORRA			15·230		17·805
Andorra	5·995		17·715		17·820
	6·360	Perth, W.A.	4·897		17·855
ANGOLA			6·140		17·875
Benguela	5·042		9·610		17·880
	9·502		15·425		17·885
Carmona	6·135	Shepparton,		AZORES	
Dondo	9·615	Victoria	7·190	Punta Delgada	4·866
Lobito	5·033		7·220	BALI (See Indonesia)	
Luanda	4·868		9·540	BECHUANALAND	
	4·955		9·570	Lobatsi	3·355
	7·265		9·600		4·842
	9·630		11·710		5·902
	9·765		11·740		5·967
	11·755		11·760		7·295
Malange	7·245		11·790		

	Mc/s		Mc/s		Mc/s
BELGIUM		BRAZIL		Rio de Janeiro	5-015
Wavre	6-120	Aparecida	3-285		5-045
	6-140		9-635		6-035
	7-140	Aquidauana	5-025		6-065
	7-205	Araquara	4-915		6-115
	9-515	Bahia	4-765		6-146
	9-600	Baurá	3-275		9-575
	9-615	Belem	4-865		9-610
	9-705		15-245		9-705
	9-720	Bragança	4-945		9-770
	9-740	Brasília	6-065		11-775
	9-745		9-665		11-795
	9-760		11-720		11-805
	9-765		15-440		11-950
	11-720	Campin Grande	3-325		15-105
	11-750	Campinas	4-755		15-295
	11-755	Campos	4-955		15-370
	11-850	Cuiabá	5-055		17-875
	11-855	Curitiba	6-045	Salvador	11-875
	11-880		9-545	São Luiz	4-785
	11-885		11-935		4-975
	11-895	Florianópolis	5-975	São Paulo	4-775
	15-095	Fortaleza	4-776		5-955
	15-330		4-813		6-055
	15-335		6-105		6-095
	17-795		15-165		6-125
	17-835	Goiana	4-995		6-165
	17-845		5-035		6-185
	17-850		9-755		9-505
	17-855		11-735		9-585
	17-860		11-815		9-620
	21-510	Juiz de Fora	4-925		9-685
		Manaus	4-805		9-745
BOLIVIA			4-895		11-924
Cochabamba	5-975		9-693		11-965
La Paz	4-895	Natal	4-935		15-135
	4-986	Petropolis	4-815		15-155
	5-955	Pocos de Caldas	4-885		15-235
	6-125		9-645		17-725
	6-155	Porto Alegre	5-965	Vitoria	17-815
	6-185		6-135		5-055
	9-440		9-730		
	9-505		11-785	BRITISH	
	9-555		11-915	HONDURAS	
	11-765		15-335	Belize	3-300
	11-775		17-795		
	15-155	Recife	3-265	BULGARIA	
	15-300		6-015	Sofia	6-070
	17-865		6-085		6-170
	21-680		11-865		7-255
	25-700		15-145		7-290
Oruro	6-055	Ribeirão Preto	3-265		7-670
Potosí	9-605		15-415		9-560
Sucre	9-715	Rio de Janeiro	3-385		9-700
BORNEO			4-875		11-850
(See Indonesia)			4-905		15-330

	Mc/s		Mc/s		Mc/s
BURMA		CEYLON		CHINA	
Rangoon	4.725	Colombo	3.395	Hangchow	2.475
	4.795		4.870	Lanchow	7.325
	5.040		4.900	Lhasa, Tibet	5.935
	6.035		4.965	Huhetot, Inner	
	7.120		5.020	Mongolia	6.840
	9.685		6.005		6.940
BURUNDI			6.075		6.985
Usumbura	4.798		6.130	Peking	3.225
	6.195		6.185		3.270
CAMBODIA			7.110		3.390
Pnompenh	4.905		7.190		3.800
	6.090		7.275		3.915
	9.695		9.520		3.940
	11.950		9.560		3.990
	15.225		9.670		4.035
	17.710		9.720		4.130
CAMEROON			11.800		4.220
Duala	6.115		11.835		4.250
Garoura	5.010		11.905		4.410
	7.240		11.920		4.460
Yaounde	4.971		15.165		4.620
	6.040		15.205		4.770
			15.230		4.960
CANADA			15.265		5.005
Halifax, N.S.	6.130		15.285		5.030
Montreal,			15.330		5.220
Quebec	6.005		15.380		5.505
Sackville, N.B.	5.955		15.415		5.880
	5.970		17.820		5.915
	5.990		17.830		5.940
	9.585	CHAD			5.950
	9.625	Fort Lamy	4.905		6.000
	9.630		6.165		6.025
	11.720		9.585		6.108
	11.725		9.615		6.125
	11.760				6.200
	15.190				6.210
	15.320	CHILE			6.225
	17.820	Antofagasta	6.010		6.270
Sydney, N.S.	6.010		6.045		6.345
Toronto, Ont.	6.070		6.070		6.400
Vancouver, Nfd	6.080	Arica	9.500		6.595
	6.160	Santiago	5.750		6.790
CAPE VERDE IS.			6.110		6.925
Praia	3.960		9.500		6.995
Sao Vicente	3.950		9.598		7.035
			9.700		7.060
CELEBES			11.740		7.080
(See Indonesia)			11.800		7.100
			11.850		7.170
CENTRAL			11.900		7.200
AFRICAN REP.			11.940		7.300
Bangui	5.035		11.960		7.315
	6.100		15.150		7.335
	7.200	Valparaiso	6.150		7.350

	Mc/s		Mc/s		Mc/s
China—cont.					
Peking	7-435	Peking	15-095	Manizales	5-020
	7-450		15-115	Medellin	5-055
	7-480		15-270		5-980
	7-500		15-370	Neiva	4-856
	7-620		15-417	Pasto	4-825
	7-660		15-480	Pereira	4-868
	7-700		15-500		5-998
	8-660		15-545		6-010
	9-380		15-550	Popayan	4-915
	9-390		15-555	Quibdo	5-042
	9-456		15-574	Sutatenza	5-075
	9-470		15-610		5-095
	9-480		15-710		6-075
	9-510		15-880	Tunja	5-985
	9-550		15-960	COMORO IS.	
	9-570		16-270	Dzaoudzi	7-260
	9-595		17-490	CONGO EAST	
	9-650		17-605	Coquilhatville	5-995
	9-735		17-675	Lubumbashi	
	9-785		17-715	(formerly	
	9-800		17-780	Elizabethville)	3-390
	9-860		17-810		3-950
	9-880		17-835		4-980
	9-920	Urumchi	18-375		5-900
	9-945		4-485		5-935
	9-972		7-051		5-955
	10-260		7-095		7-205
	10-487		7-385		9-540
	11-110	COLOMBIA	10-245		11-705
	11-200	Armenia			11-870
	11-290	Barranquilla	4-795	Kinshasha	
	11-500		4-779	(formerly	
	11-600	Bogota	4-897	Leopoldville)	3-995
	11-630		3-288		4-875
	11-650		4-895		6-296
	11-685		4-945		7-130
	11-695		4-955		7-175
	11-725		4-965		9-625
	11-740		5-010		9-640
	11-800		5-960		9-660
	11-820		6-020		11-720
	11-885		6-125		11-755
	11-925		6-160		11-830
	11-945	Bucaramanga	6-183		15-245
	11-975	Cali	4-845	Kisangani	6-080
	11-980		4-764	Luluabourg	6-125
	12-005		4-910		
	12-010		6-053	CONGO WEST	
	12-055		6-115	Brazzaville	3-265
	12-095		6-135		4-830
	13-845	Cartagena	6-195		4-844
	14-820		4-925		5-970
	15-040	Cucuta	4-965		5-985
	15-060	Ibague	4-818		7-105
	15-080		4-935		7-175
			6-040		9-715

	Mc/s		Mc/s		Mc/s
Congo West—cont.		CYPRUS		DENMARK	
Brazzaville	9·730	Limassol	6·120	Copenhagen	7·306
	11·710		6·170		9·520
	11·725		7·120		9·525
	11·780		7·130		15·165
	11·930		7·140		15·295
	11·950		9·650		
	11·970		11·718	DOMINICAN	
	15·190	Nicosia	15·185	REPUBLIC	
	15·445		15·220	Ciudad Trujillo	9·485
	17·720		17·700		9·735
	21·500		17·710		15·050
	21·626		17·870	La Romana	4·815
COSTA RICA		CZECHOSLOVAKIA		Santiago	4·980
San Jose	6·006	Podebrady	5·930	Santo Domingo	3·213
	6·037		5·935		3·285
	6·075		5·995		3·320
	6·150		6·005		3·345
	6·215		6·055		4·784
	9·616		6·135		4·880
	9·645		6·190		5·970
CUBA			7·115		6·018
Havana	5·990		7·120		6·110
	6·015		7·235		6·308
	6·434		7·345		9·505
	9·025		9·505	DUTCH GUIANA	
	9·362		9·540	Paramaribo	15·464
	9·565		9·550	DUTCH NEW	
	9·625		9·585	GUINEA	
	9·655		11·705	Bosnek, Biak	5·045
	9·670		11·710		6·070
	9·675		11·725		7·230
	9·765		11·745	ECUADOR	
	11·760		11·770	Ambato	6·205
	11·865		11·800	Esmeraldas	3·844
	11·875		11·895	Guayaquil	4·650
	11·908		11·905	Portoviejo	4·700
	11·920		11·940	Quito	4·880
	11·960		11·945		4·910
	11·970		11·960		4·928
	15·135		11·990		4·940
	15·155		15·230		6·050
	15·200		15·250		9·745
	15·285		15·285		11·915
	15·290		15·420		15·115
	15·340		15·445		17·890
	17·705		17·730	EGYPT	
	17·720		17·750	Cairo	5·980
	17·750		17·775		6·080
	17·815		21·450		6·125
	17·820		21·455		7·051
	17·848		21·825		7·075
	17·855				7·140
	21·460	DAHOMEY			7·180
	21·600	Cotonou	4·875		7·230
	21·705		7·190		

	Mc/s		Mc/s		Mc/s
Egypt—cont.		Addis Ababa	7·185	Taipei	7·225
Cairo	7·260		7·235		7·230
	7·300		7·240		7·250
	9·456		7·290		7·255
	9·475		9·505		7·260
	9·493		9·560		7·270
	9·500		9·575		7·280
	9·545		9·610		7·340
	9·595		9·645		9·505
	9·630		9·665		9·605
	9·660		9·675		9·660
	9·715		9·680		9·675
	9·750		9·695		9·685
	9·775		9·705		9·690
	9·785		9·760		9·720
	9·795		11·760		9·745
	9·815		11·930		9·800
	11·415		15·185		11·725
	11·660		15·220		11·825
	11·730		15·230		11·860
	11·745		15·300		11·920
	11·805		15·340		15·175
	11·870		15·410		15·225
	11·915		17·770		15·278
	11·930		17·810		15·295
	11·945	Gimma	11·955		15·345
	11·980	FIJI ISLANDS			15·395
	15·115	Suva	3·232		17·785
	15·210		3·283		17·815
	15·275		4·757		17·850
	15·350		4·785	FRANCE	
	15·390	FINLAND		Allouis	5·955
	15·432	Pori	6·120		5·980
	15·455		9·555		6·145
	15·475		11·805		6·175
	17·671		15·185		7·100
	17·690		15·190		7·120
	17·730	FORMOSA			7·160
	17·750	Chiayi	15·318		7·240
	17·785	Minhsiung	17·890		7·280
	17·875		21·715		9·560
	17·905		21·732		9·570
	17·920	Taipei	3·375		9·585
EIRE			4·770		9·605
Curragh	17·544		5·110		9·620
ETHIOPIA			5·960		9·680
Addis Ababa	4·905		5·980		9·755
	5·010		5·985		9·785
	5·955		5·995		11·725
	5·965		6·040		11·845
	6·010		6·090		11·885
	6·135		6·103		11·920
	6·140		6·180		11·950
	6·150		7·180		15·100
	6·185		7·200		15·130
	7·120		7·215		15·160

	Mc/s		Mc/s		Mc/s
France—cont.		Berlin	17·825	Jülich	21·650
Allouis	15·165	Leipzig	9·730		21·705
	15·245			Lampertheim	7·130
	15·350	GERMANY, WEST			7·170
	17·710	Bad Durrheim	7·265		7·220
	17·720	Berlin	6·005		7·245
	17·740	Bremen	6·190		9·565
	17·765	Jülich	5·955		9·660
	17·850		6·000		11·720
	21·580		6·015		11·925
	21·620		6·025		11·935
FRENCH GUIANA			6·100		11·965
Cayenne	6·170		6·110		15·395
			6·145		15·415
FRENCH			6·160		17·730
SOMALILAND			6·175		17·745
Djibouti	4·780		6·185		17·785
	6·000		7·125		17·865
			7·150		17·895
GABON			7·175	Mühlacker	6·030
Libreville	4·777		7·205	Munich	3·980
	4·814		7·230		5·960
	4·864		7·240		5·965
	6·032		7·280		5·970
	7·270		9·530		5·975
			9·545		6·020
GAMBIA			9·575		6·040
Bathurst	4·820		9·605		6·060
			9·610		6·085
GERMANY, EAST			9·640		6·135
Berlin	6·060		9·650		6·140
	6·080		9·685		6·160
	6·115		9·735		6·170
	6·190		11·715		6·175
	6·312		11·730		7·130
	7·130		11·785		7·200
	7·240		11·795		7·250
	7·290		11·865		9·530
	7·295		11·885		9·545
	9·525		11·905		9·630
	9·550		11·925		9·670
	9·560		11·930		9·705
	9·645		11·945		9·765
	9·725		15·105		11·715
	9·730		15·205		11·770
	11·410		15·245		11·775
	11·765		15·275		11·805
	11·795		15·280		11·830
	11·905		15·290		11·840
	11·920		15·295		11·870
	15·240		15·310		11·890
	15·257		15·405		11·940
	15·270		17·815		11·960
	15·340		17·845		15·170
	17·720		17·870		15·185
	17·740		17·875		15·195

	Mc/s		Mc/s		Mc/s
Germany West—cont.		Salonika	6·155	HAWAII	
Munich	15·225		6·185	Honolulu	6·075
	15·235		7·205		9·650
	15·265		9·520		11·775
	15·330		9·635		
	15·340		9·710	HONDURAS	
	15·385		9·715	REPUBLIC	
	15·395		11·710	San Pedro Sula	5·995
	15·430		11·730		6·125
	15·440		11·830	Tegucigalpa	4·940
	17·735		11·840		5·874
	17·780		11·880		6·020
	17·830		15·305		6·050
	17·885	GRENADA			6·155
	21·585	(See Windward Is.)		Tela	6·035
	21·595				
Osterloog	3·970	GUATEMALA		HONG KONG	
	6·075	Guatemala City	5·951	Victoria	3·940
	15·275		5·990		
			6·000	HUNGARY	
GHANA			6·020	Budapest	5·900
Accra	3·366		6·030		5·950
	4·915		6·101		5·960
Tema	6·070		6·140		6·235
	7·295		6·180		7·213
	9·545		9·665		7·245
	9·640		9·670		9·565
	11·800		9·760		9·655
	15·190	Quezaltenango	6·060		9·695
	15·210		11·700		9·770
	15·287	S. Marcos	6·080		9·833
	15·400				11·895
	17·740	GUINEA			11·911
	17·865	REPUBLIC			15·160
	17·910	Conakry	3·376		15·334
	21·437		4·910		15·415
	21·545		6·155		16·485
			7·125		17·720
GILBERT & ELLICE IS.			9·650		
Tarawa	3·220		11·693	ICELAND	
	6·050		11·945	Reykjavik	11·780
			11·965		
GREECE			17·715	INDIA	
Athens	5·960		21·510	Bhopal,	
	6·045	GUYANA		Central Prov.	3·315
	6·075	Georgetown	3·265		4·840
	7·296		5·980		5·990
	9·610	HAITI		Bombay	4·830
	11·723	Cap Haitien	6·000		4·840
	15·335		6·120		6·035
	15·345		6·135		7·120
	17·745		9·770		7·240
Janina	7·100		11·835		9·615
Larissa	5·955		21·520		11·815
Salonika	5·975	Les Gonaires	5·060		11·900
	5·990	Port au Prince	6·200		17·760
	5·995		9·545		21·645
	6·040				

	Mc/s		Mc/s		Mc/s
India—cont.					
Calcutta,		Delhi	9·600	Delhi	17·705
W. Bengal	3·245		9·615		17·715
	3·305		9·625		17·725
	6·010		9·630		17·760
	7·210		9·635		17·800
Delhi	3·295		9·655		17·820
	3·365		9·660		17·830
	3·905		9·665		17·855
	3·925		9·680		21·580
	4·760		9·690		21·615
	4·820		9·705		21·670
	4·860		9·720		21·700
	4·960		9·730		25·720
	4·965		9·740	Gauhati, Assam	3·335
	5·955		9·750		3·375
	5·975		9·760		4·775
	5·990		9·765		4·940
	5·995		9·910		5·970
	6·040		9·915		6·130
	6·045		11·710	Goa	4·815
	6·065		11·715	Hyderabad	4·989
	6·100		11·720		6·120
	6·120		11·730		7·140
	6·130		11·760	Jammu,	
	6·140		11·770	Kashmir	4·950
	6·150		11·785		5·960
	6·180		11·800	Lucknow,	
	6·190		11·810	United Prov.	3·205
	7·105		11·830		4·880
	7·115		11·835		6·170
	7·125		11·850	Madras	4·920
	7·140		11·855		6·085
	7·155		11·875		7·160
	7·165		11·890		7·260
	7·170		11·895		11·720
	7·180		11·920	Ranchi, Bihar	4·850
	7·185		11·940		6·065
	7·190		11·950	Simla, Punjab	3·226
	7·195		15·105		6·020
	7·205		15·125	Srinagar,	
	7·215		15·130	Kashmir	3·277
	7·225		15·155		4·860
	7·235		15·160		6·110
	7·250		15·165	INDONESIA	
	7·255		15·170	Ambon,	
	7·265		15·185	Moluccas	3·240
	7·270		15·190		4·865
	7·275		15·225		7·140
	7·290		15·290	Bandjermassin,	
	9·530		15·310	Borneo	3·250
	9·535		15·330		5·970
	9·545		15·350	Bandoeng, Java	4·945
	9·550		15·365	Bukittinggi,	
	9·560		15·380	Sumatra	5·030
	9·575		15·400	Denpassar, Bali	3·945
			15·440		7·120

	Mc/s	Mc/s	Mc/
Indonesia—cont.		Semarang, Java	7-210
Djakarta, Java	2-450	Sibolga,	
	3-277	Sumatra	3-241
	6-045	Soasiu,	
	7-175	Mollucas	3-962
	7-220	Surabaya, Java	2-372
	7-270		3-356
	9-585		3-980
	9-710		6-120
	9-867	Surakarta, Java	2-440
	11-710		4-880
	11-715	Tandung Pinang,	
	11-770	Sumatra	4-930
	11-785	IRAN	
	11-795	Ahwaz	7-990
	11-825	Isfahan	6-155
	15-150	Tabriz	6-153
	15-370		6-174
	17-810		6-180
	17-860	Teheran	3-730
	17-875		3-780
	21-460		7-032
	21-465		7-091
Djokjakarta,			7-105
Java	2-350		7-135
	5-060		9-620
	7-105		15-125
	7-255	IRAQ	
Gorontalo,		Baghdad	3-240
Celebes	4-900		3-250
Kutaradja,			3-295
Sumatra	4-982		3-960
Macassar,			6-030
Celebes	4-752		6-080
	7-295		6-155
Madium, Java	3-286		6-160
Medan,			7-180
Sumatra	3-395		7-210
	5-030		7-270
	7-240		9-555
Menado,			9-635
Celebes	2-700		11-875
	5-990		15-190
Padang,			15-235
Sumatra	3-960		15-400
	6-195	ISRAEL	
Palembang,		Jerusalem	11-920
Java	2-430	Tel Aviv	7-190
	4-855		9-009
			9-625
Pontianak,			9-680
Borneo	2-350		9-725
	3-375		11-920
Samarinda,		ITALY	
Java	3-295	Caltanissetta	6-060
Semarang, Java	2-490		7-175
	3-935		
		Caltanissetta	9-515
		Rome	3-995
			5-955
			5-960
			5-965
			5-985
			6-010
			6-060
			6-100
			6-125
			7-235
			7-275
			7-290
			9-575
			9-630
			9-635
			9-710
			11-810
			11-840
			11-905
			15-290
			15-325
			15-330
			15-400
			17-740
			17-770
			17-800
			21-560
		IVORY COAST	
		Abidjan	4-940
			7-135
			7-215
			9-670
			9-760
			11-820
		JAMAICA	
		Kingston	3-360
		JAVA	
		(See Indonesia)	
		JAPAN	
		Hokkaido	3-945
		Tokio	6-005
			6-055
			6-080
			6-130
			6-140
			6-155
			6-175
			6-190
			7-195
			7-230
			7-285
			9-505
			9-525

	Mc/s		Mc/s		Mc/s
Japan—cont.		Amman	11·970	Beirut	8·008
Tokio	9·530		15·170		9·545
	9·535		15·190		9·625
	9·550		15·345		9·680
	9·580		15·445		9·700
	9·595	KENYA			9·715
	9·605	Kisumu	4·804		9·725
	9·655		7·295		9·760
	9·675	Langata	4·855		11·715
	9·695		4·860		11·720
	9·705		4·885		11·755
	9·740		4·934		11·770
	9·765		4·950		11·780
	11·705		6·060		11·785
	11·725		6·085		11·865
	11·750		6·170		11·875
	11·780		7·125		11·890
	11·800		7·150		11·945
	11·815		7·210		15·150
	11·855		7·240		15·175
	11·865		9·665		15·180
	11·875	KOREA (NORTH)			15·235
	11·940	Pyongyang	5·700		17·740
	15·105		6·195		
	15·115		6·250	LIBERIA	
	15·135			Monrovia	3·255
	15·170	KOREA (SOUTH)			3·965
	15·175	Seoul	2·510		4·770
	15·195		3·912		5·980
	15·225		6·035		5·990
	15·235		7·936		6·035
	15·257	Suwon	9·640		6·075
	15·285		11·925		6·090
	15·310		11·950		7·195
	15·325		15·125		7·235
	15·390		15·335		7·250
	15·425		17·815		9·590
	17·725		21·590		9·595
	17·755	KUWAIT			9·615
	17·795	Al Kuwait	4·968		9·640
	17·875		6·055		9·645
	17·895		9·250		9·670
			9·520		9·720
JORDAN			11·940		9·750
Amman	5·959		15·148		9·760
	6·020		17·750		11·770
	6·025		21·525		11·788
	6·080	LAOS			11·825
	7·155	Vientiane	4·520		11·970
	9·530		6·130		11·975
	9·540		6·150		15·083
	9·560		7·145		15·150
	9·740	LEBANON			15·155
	11·810	Beirut	5·980		15·235
	11·820		6·105		15·275
	11·870		7·357		15·285
	11·920				

	Mc/s		Mc/s		Mc/s
Liberia—cont.		Penang,		MEXICO	
Monrovia	15·315	Malaya	9·635	Mexico City	6·007
	15·385	Singapore,			6·165
	17·725	Malaya	4·780		9·515
	17·785		5·010		9·525
	17·790		6·133		9·535
	17·840		7·170		9·565
	17·870		7·250		9·610
	21·535	Tebrau,			9·625
LIBYA		Malaya	6·110		9·680
Beida	5·950		6·175		9·735
	5·965		7·110		9·745
	7·165		7·120		11·860
	9·560		7·135		11·880
	9·565		9·555		15·110
Benghazi	3·305		9·580		15·160
	4·930		9·690		15·205
	6·140		9·725	Morelia	6·030
	7·275		11·750	Tampico	6·045
	9·895		11·820		
LUXEMBOURG			11·955	MOLUCCAS	
Luxembourg	6·090		15·110	(See Indonesia)	
	15·350		15·260	MONACO	
LUZON			15·310	Monte Carlo	4·855
(see Philippines)			15·435		5·960
MADAGASCAR			17·755		6·035
Tananarive	3·232		17·880		7·135
	3·288		17·890		7·185
	3·386		21·610		7·235
	6·135	MALI			7·255
	6·170	Bamako	4·835		7·260
	7·105		7·145		7·275
	7·155		7·285		9·615
	15·270		9·745		9·620
MALAYSIA			9·745		9·630
Jesselton,			11·815		9·665
Sabah	4·970		15·150		9·675
	5·980		17·775		9·680
	7·180	MARTINIQUE			9·690
Kuala Lumpur,		Fort de France	3·315		11·710
Malaya	6·025		4·895		11·731
	7·110		5·955		11·765
	7·145		5·995		11·790
	7·200		12·345		11·840
	7·280		13·310		11·865
	9·515	MAURITANIA		MOROCCO	
	11·890	Nouakchott	4·855	Sebaa Aioun	7·115
	11·900		6·035		7·225
	11·935		7·245		9·472
Kuching,			9·610		11·735
Sarawak	4·860				15·185
	4·950	MAURITIUS			15·345
	5·038	Forest Side	3·325		15·408
	7·160		4·845	Tangier	5·955
	7·270		9·710		5·995
	9·565	Chagos	17·705		6·025
					6·040

	Mc/s		Mc/s		Mc/s
Morocco—cont.		Tangier	15.295	Bonaire	9.650
Tangier	6.065		15.315		9.670
	6.080		17.705		9.685
	6.115		17.735		9.705
	6.120		17.750		9.710
	6.125		17.770		9.720
	6.135		17.815		9.730
	6.140		17.855		9.750
	6.150		21.455		9.755
	6.170		21.540		11.760
	6.180		21.695		11.795
	6.190	MOZAMBIQUE			11.820
	7.110	Beira	7.205		11.855
	7.125	Lourenço			11.860
	7.135	Marques	3.235		11.870
	7.170		3.250		11.935
	7.200		3.405		11.945
	7.220		4.840		11.955
	7.235		4.905		11.970
	7.250		4.925		15.165
	7.255		6.050		15.175
	7.270		6.115		15.180
	9.520		7.210		15.240
	9.525		7.250		15.245
	9.540		7.265		15.260
	9.565		9.580		15.265
	9.610		9.615		15.290
	9.615		9.655		15.295
	9.620		9.765		15.425
	9.645		11.760		15.440
	9.655		11.835		17.705
	9.670		15.292		17.720
	9.710		15.365		17.740
	9.740	NEPAL			17.795
	9.760	Jawalakhel	7.105		17.805
	11.710		11.970		17.830
	11.720	Kathmandu	7.165	NETHERLANDS	
	11.735		9.590	Lopik-	
	11.740	NETHERLAND		IJsselstein	5.980
	11.790	ANTILLES			5.985
	11.825	Bonaire	5.955		6.020
	11.830		5.985		6.025
	11.875		6.005		6.035
	11.890		6.085		6.085
	11.900		6.170		7.125
	11.910		6.175		7.165
	11.960		9.505		7.210
	15.115		9.515		9.525
	15.135		9.520		9.590
	15.150		9.540		9.630
	15.185		9.545		9.660
	15.195		9.555		9.715
	15.225		9.590		9.745
	15.235		9.600		9.755
	15.270		9.605		11.711
	15.290		9.635		11.730

	Mc/s		Mc/s		Mc/s
Netherlands—cont.		Ibadan	3·205	Karachi	3·915
Lopik-			3·380		3·945
IJsselstein	11·755		3·995		3·963
	11·780		6·185		4·750
	11·800		7·285		4·755
	11·915		9·555		4·910
	11·935	Ikorodu	15·185		4·930
	11·950		21·455		4·980
	11·955		21·465		5·975
	15·220	Jaji	9·570		5·980
	15·365	Kaduna	3·325		5·985
	15·425		3·395		6·070
	15·445		6·090		6·235
	17·775		6·174		6·244
	17·800		7·275		7·008
	17·810		9·655		7·130
	17·840	Lagos	4·990		7·200
	21·480		7·205		7·275
	21·565		7·225		7·285
	21·625		9·535		7·295
	21·665		9·595		7·300
	21·715		9·690		9·510
	25·610		15·255		9·515
	26·040				9·545
NEW CALEDONIA		NORWAY			9·600
Noumea	6·035	Fredrikstad	6·130		9·643
NEW ZEALAND			6·185		9·680
Wellington	6·020		9·610		9·715
	6·080		9·645		9·740
	9·540		11·850		9·752
	11·780		15·170		9·760
	11·810		15·175		11·672
	11·820		17·755		11·845
	11·830		17·825		11·875
	15·110		21·670		11·885
	15·280		21·730		11·910
NICARAGUA			25·900		11·920
Granada	5·966	Tromsö	9·550		15·141
Leon	5·995		11·735		15·155
Managua	6·065	PAKISTAN			15·195
	6·140	Dacca	4·790		15·205
Puerto Cattezas	5·925		5·980		15·225
NIGER			6·015		15·335
Niamey	4·785		7·140		17·745
	4·855		7·250		17·750
	5·020		7·285		17·760
	6·060		9·615		17·890
	7·105		11·650		17·895
	7·135		11·725		21·590
	9·735		11·731	Lahore	3·395
NIGERIA			17·640		4·800
Enugu	3·980		17·710		6·025
	4·855		17·730		7·225
	6·145		17·735	Peshawar	3·240
	7·165		21·464		3·965
	9·630		21·685		7·130

	Mc/s		Mc/s		Mc/s
Pakistan—cont.		Malolos, Luzon	6·185	POLAND	
Peshawar	7·280		7·135	Warsaw	5·950
Quetta	4·915		7·175		5·955
Rawalpindi	4·985		7·285		6·005
	7·110		9·565		6·045
PAPUA			9·635		6·135
Port Moresby	6·130		9·655		7·125
	9·520		9·770		7·145
PARAGUAY			11·785		7·270
Ascuncion	6·025		11·960		7·865
	6·110		15·155		9·525
	9·735		15·200		9·540
	11·850		15·205		9·675
	15·200		15·210		9·760
	15·210		15·250		11·800
Concepcion	6·015		15·405		11·840
Encarnacion	11·945		17·745		11·955
Villarrica	5·975	Manila, Luzon	3·305		15·120
PERU			9·535		15·240
Arequipa	9·350		9·730		15·275
Chiclayo	5·640		15·300	PORTUGAL	17·800
	6·700		21·515	Lisbon	5·975
Cuzco	6·210	Poro	6·125		6·025
David	6·045		7·175		6·080
Huaneavelica	4·815		7·220		6·155
Iquitos	5·182		7·225		6·185
	9·470		9·535		7·130
	9·610		9·580		7·160
	9·625		9·595		7·225
	9·665		9·615		9·635
	9·770		9·625		9·645
Lima	3·240		9·700		9·740
	4·880		9·710		11·840
	6·082		9·715		11·875
	9·453		11·730		11·915
	9·521		11·735		11·925
	9·565		11·848		11·935
	15·095		11·895		12·080
	15·150		11·900		15·125
Piura	3·330		11·920		15·380
Tumbes	9·550		15·125		17·740
PHILIPPINES			15·130		17·880
Bocaué, Luzon	7·230		15·150		17·895
	7·235		15·155		17·910
	7·240		15·185		21·495
	9·710		15·235		21·700
	9·715		15·335	PORTUGUESE	
	9·730		15·360	GUINEA	
	9·750		15·375	Bissao	3·975
	11·740		15·400		4·780
	11·850		17·775		5·024
	11·920		17·845		6·950
	15·230		17·855	REUNION ISLAND	
	15·380		17·870	St. Denis	3·380
	17·810		21·655		7·245

	Mc/s		Mc/s		Mc/s
RHODESIA		ST. THOMAS IS.		Paradys	2·306
Gwelo	3·305	Sao Thome	4·807		2·326
	5·975	SALVADOR			2·346
	6·020	San Salvador	6·010		2·376
Salisbury	7·175		6·095		3·250
	3·395		9·540		3·285
RUMANIA			9·552		3·320
Bucharest	5·980	Santa Ana	11·725		3·356
	5·990		4·798		3·376
	6·150		5·985		4·810
	6·190	SARAWAK			4·895
	6·195	(see Malaysia)			4·945
	7·155				6·005
	7·195	SAUDI ARABIA			6·095
	7·225	Jidda	3·960		7·185
	7·230		6·861		7·230
	9·510		6·975		7·275
	9·570		9·650		9·523
	9·590		11·950		9·605
	11·810		15·370		9·650
	11·885	Riyadh	7·220		9·720
	11·900		9·670		11·865
	11·940		9·720		11·900
	15·250				15·080
	15·340	SENEGAL			15·155
	15·380	Dakar	4·890		15·415
	17·850		4·950		17·695
			5·960		21·690
RWANDA			5·975	SOUTH ARABIA	
Bakavu	4·808		6·635	Hiswa	5·060
	4·838		7·170		
Kigali	6·055		7·210	SPAIN	
	7·225		9·560	Juba	5·955
	7·260		9·720	Madrid	5·991
	7·290		11·895		6·130
	9·695	Ziguinchor	6·070		6·139
	9·735				6·150
	11·905	SIERRA LEONE			7·105
	17·769	Freetown	3·316		7·600
	17·805				9·360
RYUKYU IS.		SOLOMON IS.			9·370
Okinawa	3·940	Honiara	3·995		9·380
	5·975		5·960		9·615
	6·010	SOMALI			9·695
	6·075	Hargeisa	4·795		9·760
	6·145		4·835		11·815
	6·170		9·670		11·986
	7·155	Mogadishu	7·073		15·420
	7·235		7·150		21·575
	11·715			Malaga	6·180
	11·790	SOUTH AFRICA		Playa de Pals	9·675
	11·960	Bloemendal	4·975		11·880
	15·150		6·150		11·930
			7·270		11·965
SABAH			15·220		11·970
(see Malaysia)			17·805		15·340

	Mc/s		Mc/s		Mc/s
Spain—cont.		SWITZERLAND		TAHITI	
Playa de Pals	15·370	Schwarzenburg	3·985	Papeete	6·135
	17·720		6·050		11·825
	17·745		6·055	TAIWAN	
	17·875		6·080	(See Formosa)	
	17·885		6·105	TANGIER	
Valencia	6·995		6·120	(See Morocco)	
Valladolid	7·018		6·165	TANZANIA	
			7·110	Dar-es-Salaam	3·250
SPANISH GUINEA			7·210		4·785
Santa Isabel	6·240		7·220		5·050
			7·443		7·165
SUDAN			7·743		7·280
Khartoum	11·855		9·535		9·530
Omdurman	4·990		9·595	Marhubi	3·339
	5·995		9·655		4·795
	6·150		9·665		6·005
	7·200		9·670		9·550
	9·505		11·715	THAILAND	
	9·510		11·775	Bangkok	4·830
	11·850		11·810		5·955
	11·895		11·825		6·070
	11·945		11·855		7·105
	15·170		11·865		7·160
			15·140		7·165
SUMATRA			15·150		7·230
(See Indonesia)			15·305		7·275
			15·315		7·290
SURINAM			17·715		9·510
(See Dutch Guiana)			17·720		9·645
			17·795		9·655
SWAN IS.			17·820		11·910
Swan Island	6·000		17·830	TIMOR ISLAND	
			17·845	Deli	3·270
			21·520	TOGOLAND	
			21·560	Lomé	3·265
SWEDEN		SYRIA			6·155
Hörby	5·990	Damascus	5·290		7·265
	6·065		5·700	TRIPOLITANIA	
	6·095		6·140	(See Libya)	
	7·210		6·165	TUNISIA	
	7·215		6·200	Tunis	5·950
	9·605		6·200		6·015
	9·620		7·399		6·110
	9·660		9·555		6·197
	9·725		11·751		6·205
	11·705		11·915		9·500
	11·805		15·160		11·908
	11·810		17·865		11·970
	11·880	Sabboura	9·500		11·983
	15·155		9·525		17·700
	15·240		9·640		17·735
	15·420		11·715		
	17·840		11·890		
	17·845		11·935		
Motala	6·055		15·365		
	7·270		17·745		

	Mc/s		Mc/s		Mc/s
TURKEY		Overseas		Overseas	
Ankara	6.250	Service	7.240	Service	11.770
	6.608		7.245		11.780
	7.285		7.250		11.790
	9.515		7.255		11.795
	9.745		7.260		11.800
	15.160		7.270		11.820
	15.195		7.280		11.830
	17.820		7.320		11.840
	17.827		7.325		11.860
Erzurum	7.625		7.747		11.870
Istanbul	7.031		9.317		11.880
			9.410		11.890
U.K.			9.510		11.905
Overseas			9.525		11.910
Service*	3.953		9.530		11.925
	3.975		9.555		11.930
	5.965		9.560		11.945
	5.975		9.570		11.955
	5.985		9.580		11.970
	5.990		9.590		12.040
	6.000		9.600		12.095
	6.010		9.610		12.181
	6.025		9.625		15.070
	6.035		9.635		15.105
	6.040		9.640		15.140
	6.050		9.645		15.160
	6.070		9.660		15.180
	6.080		9.665		15.190
	6.090		9.670		15.230
	6.110		9.675		15.235
	6.125		9.680		15.245
	6.150		9.690		15.260
	6.160		9.695		15.285
	6.180		9.700		15.295
	6.190		9.705		15.300
	6.195		9.710		15.310
	7.105		9.715		15.360
	7.110		9.720		15.375
	7.120		9.735		15.390
	7.125		9.740		15.410
	7.130		9.750		15.420
	7.140		9.755		15.435
	7.150		9.760		15.445
	7.155		9.765		15.913
	7.170		9.770		17.660
	7.185		9.825		17.695
	7.190		9.915		17.705
	7.200		11.710		17.715
	7.210		11.720		17.730
	7.220		11.730		17.740
	7.225		11.750		17.745
	7.230		11.760		17.755

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

	Mc/s	Mc/s		Mc/s
U.K.—cont.			Boston, Mass.	15·220
Overseas				15·290
Service	17·780			15·295
	17·790			15·370
	17·800			15·380
	17·810			15·385
	17·825			15·390
	17·840			15·440
	17·860			17·760
	17·870			17·810
	17·880			17·830
	17·890			17·845
	18·080			17·880
	18·150			21·460
	18·180			21·500
	18·345		Bound Brook,	
	21·455		New Jersey	5·955
	21·470			5·995
	21·490			6·105
	21·530			6·140
	21·550			9·520
	21·575			9·530
	21·590			9·615
	21·595			9·650
	21·610			9·670
	21·615			9·720
	21·620			9·750
	21·630			11·775
	21·640			11·790
	21·660			11·805
	21·675			11·875
	21·680			11·880
	21·710			11·890
	21·740			11·900
	25·650			11·940
	25·670			15·135
	25·720			15·150
	25·750			15·225
	25·840			15·270
	26·040			15·280
	26·080			15·325
				15·330
U.S.A.				15·410
Boston, Mass.	5·975			15·410
	6·015			17·730
	9·520			17·780
	9·555			17·830
	9·695			17·855
	9·710			21·540
	11·750			21·570
	11·760			21·645
	11·790			21·720
	11·845			26·040
	11·855			
	11·930		Brentwood,	
	11·950		New York	5·955
	15·135			6·045
			Brentwood,	
			New York	6·175
				9·635
				11·905
				11·955
				15·205
				15·235
				15·270
				17·784
				21·650
			Cincinnati,	
			Ohio	5·980
				5·995
				6·025
				6·030
				6·045
				6·055
				6·065
				6·155
				6·190
				9·525
				9·530
				9·545
				9·650
				9·670
				9·705
				9·710
				9·715
				9·725
				9·740
				9·750
				9·765
				9·770
				11·705
				11·710
				11·740
				11·770
				11·790
				11·805
				11·870
				11·875
				11·880
				11·890
				11·920
				11·940
				15·125
				15·130
				15·150
				15·155
				15·185
				15·195
				15·205
				15·240
				15·250
				15·290
				15·330

	Mc/s		Mc/s		Mc/s
U.S.A.—cont.		Delano, Cal.	17·820	Greenville,	
Cincinnati,			17·830	N. Carolina	9·635
Ohio	15·355		21·460		9·650
	15·360		21·590		9·670
	15·365		21·745		9·690
	15·390		25·630		9·700
	15·395	Dixon, Cal.	5·985		9·705
	15·400		6·040		9·710
	15·405		6·085		9·720
	17·710		6·145		9·725
	17·730		9·570		9·730
	17·795		9·620		9·740
	17·800		9·635		9·750
	17·830		9·665		9·755
	17·850		9·730		9·760
	17·870		11·845		9·765
	21·485		11·860		9·770
	21·570		11·870		11·705
	21·610		11·875		11·710
Delano, Cal.	5·965		15·150		11·715
	6·040		15·405		11·745
	6·095		17·705		11·760
	6·185		17·735		11·775
	9·530		17·850		11·790
	9·560		21·590		11·805
	9·600		21·650		11·810
	9·605		21·660		11·830
	9·630	Greenville,			11·865
	9·655	N. Carolina	5·960		11·875
	9·665		5·965		11·890
	9·700		5·975		11·900
	9·735		5·997		11·905
	9·750		6·015		11·910
	11·710		6·025		11·940
	11·730		6·030		11·945
	11·740		6·035		11·950
	11·770		6·045		11·970
	11·790		6·055		15·130
	11·830		6·065		15·135
	11·870		6·075		15·142
	11·900		6·095		15·150
	11·905		6·105		15·160
	11·930		6·145		15·175
	15·125		6·150		15·195
	15·130		6·175		15·205
	15·150		6·180		15·215
	15·210		6·190		15·225
	15·255		9·520		15·235
	15·275		9·525		15·240
	15·310		9·540		15·270
	15·315		9·545		15·280
	15·330		9·550		15·287
	15·340		9·590		15·290
	15·405		9·595		15·305
	17·765		9·615		15·315
	17·770		9·625		15·325

	Mc/s	U.S.S.R.	Mc/s		Mc/s
U.S.A.—cont. Greenville, N. Carolina	15-330	Achkhabad, Turkmenia	4-235	Kazan, Tartar	11-905
	15-350		4-825		15-260
	15-360		9-745	Khabarovsk, Russia	3-900
	15-365		15-185		4-273
	15-370		15-375		4-610
	15-390	Alma Ata, Kazakh			6-115
	15-400		4-545		7-220
	15-410		5-260		7-285
	15-415		6-790		9-375
	15-440		6-870		9-610
	15-750		9-250		9-710
	17-710		9-380		11-805
	17-720		10-530		17-775
	17-730		11-945		
	17-750		25-795	Kharkov, Ukraine	11-950
	17-755				11-970
	17-780	Arkhangelsk, Russia	5-015		
	17-795		5-930	Kiev, Ukraine	4-930
	17-830				4-940
	17-840	Baku, Azerbaijan	4-957		6-085
	17-855		6-110		6-165
	17-860		6-195		7-310
	17-870		7-340		7-320
	17-885		9-840		7-330
	21-465		21-640		7-370
	21-540	Dyushambe, Tadzhik	4-634		7-400
	21-590				9-655
	21-610	Erivan, Armenia	5-740		9-710
	21-645		7-125		11-770
	21-670		7-270		11-815
	21-690		9-760		12-070
	21-720		11-890		15-110
	21-740				15-400
Schenectady, New York	11-830	Frunze, Kirghiz	4-010		15-415
	15-330		4-050	Komsomolsk, Russia	6-080
	15-335		9-710		7-275
	17-755		11-820	Krasnoyarsk, Russia	5-290
	17-830		17-785		6-135
Wayne, N.J.	21-590		21-530		7-130
	6-175	Guryev, Kazakh	4-560	Leningrad, Russia	9-520
	6-180				9-530
	9-540	Irkutsk, Russia	5-990		9-765
	9-760		9-630		11-630
	11-710		9-740		11-755
	11-830	Kaunas, Lithuania	5-960		15-325
	11-890		6-125		21-600
	11-910		11-870		
	15-215		17-895	Lwow, Ukraine	6-155
	15-310		9-510		7-120
	15-390		9-580		7-150
	21-570	Kazan, Tartar	11-850		
	21-645				
	21-735				
	21-740				

	Mc/s		Mc/s		Mc/s
U.S.S.R.—cont.		Moscow,	7·205	Moscow,	
Lwow,		Russia	7·230	Russia	11·720
Ukraine	7·160		7·240		11·730
	7·230		7·245		11·740
	9·710		7·250		11·760
Magadan,			7·265		11·780
Russia	9·500		7·280		11·790
Minsk,			7·290		11·820
Byelorussia	7·130		7·305		11·825
	7·140		7·315		11·830
	7·320		7·325		11·840
	7·380		7·335		11·875
	9·660		7·340		11·890
	11·745		7·350		11·900
	11·895		7·360		11·910
	15·150		7·380		11·925
Minsk,			7·390		11·930
Byelorussia	21·585		7·395		11·960
Moscow,			7·420		11·975
Russia	3·937		7·440		11·980
	4·395		7·925		11·985
	4·835		8·125		12·000
	4·850		9·150		12·010
	4·900		9·210		12·015
	4·910		9·450		12·020
	4·920		9·470		12·030
	5·325		9·480		12·040
	5·455		9·490		12·045
	5·600		9·530		12·050
	5·780		9·545		12·060
	5·900		9·55 1		12·075
	5·910		9·565		12·090
	5·920		9·570		12·100
	5·920		9·595		13·820
	5·930		9·600		15·000
	5·940		9·605		15·095
	5·950		9·615		15·105
	5·970		9·620		15·160
	6·000		9·630		15·210
	6·010		9·640		15·255
	6·020		9·650		15·295
	6·045		9·665		15·310
	6·135		9·685		15·320
	6·140		9·720		15·330
	6·200		9·730		15·360
	6·305		9·745		15·440
	6·990		9·775		15·450
	7·060		9·780		15·460
	7·085		9·785		15·520
	7·097		9·790		15·610
	7·100		9·810		15·780
	7·110		9·820		15·870
	7·120		11·517		17·710
	7·185		11·690		17·730
	7·195		11·705		17·740
	7·200		11·715		17·765

	Mc/s		Mc/s		Mc/s
U.S.S.R.—cont.		Tashkent,		UPPER VOLTA	
Moscow,		Uzbek	5·925	Ougadougou	4·815
Russia	17·775		5·970		6·045
	17·790		6·030		7·230
	17·795		6·035	URAGUAY	
	17·825		6·155	Melo	6·055
	17·840		7·100		15·230
	17·850		7·165	Montevideo	6·000
	17·860		9·665		6·035
	17·870		9·680		6·045
	17·885		9·765		6·075
	18·287		11·695		6·115
	21·505		11·755		6·125
	21·555		17·860		6·140
	25·935	Tiflis, Georgia	5·040		6·156
Murmansk,			5·980		6·170
Russia	9·700		7·200		9·515
Novosibirsk,			15·335		9·595
Russia	4·430	Ufa, Bashkir	4·485		9·620
	7·295	Ulan Bator,			11·735
	9·535	Mongolia	4·084		11·835
	9·675		4·188		11·885
	9·680		5·960		11·896
	11·810		6·136		11·900
	15·280		7·365		15·385
	21·475		10·885		17·715
Omsk, Russia	4·520	Vladivostok,			17·720
	5·960	Russia	4·040		17·875
	6·190		5·016		17·895
Orenburg,			5·980	VATICAN STATE	
Russia	4·874		6·050	Vatican City	5·985
	9·555		6·075		6·145
Petropavlovsk,			6·125		7·235
Russia	4·055		6·160		7·250
	4·460		7·170		7·260
	9·540		7·260		9·540
	15·140		9·600		9·575
	17·880		9·635		9·600
Petrozavodsk,			9·750		9·630
Karelia	5·065		11·755		9·645
	6·055		11·850		9·675
Riga, Latvia	7·140		15·180		9·705
	7·230		15·455		9·750
	15·220	Yakutsk,			9·770
	17·720	Russia	4·534		11·685
Simferopol,					11·735
Russia	6·090	UGANDA			11·740
	15·115	Kampala	3·340		11·770
	15·130		4·975		11·785
	21·475		5·026		11·880
Stalinabad,			7·110		11·930
Tadzhik	11·810		7·195		15·120
Tallinn,			7·255		15·155
Estonia	6·085		9·560		17·720
	17·700		9·590		17·840

	Mc/s		Mc/s		Mc/s
Vatican State—cont.		Puerto la Cruz	4·791	St. George's,	
Vatican City	21·485	Punta Fijo	4·770	Grenada	9·735
	21·515	San Cristobal	3·267		9·750
			4·830		11·770
VENEZUELA			4·980		11·780
Barcelona	3·385		9·570		11·845
Barquisimeto	4·849	San Felipe	4·860		11·910
	4·935	San Fernando			15·180
	4·990	Apure	4·820		15·195
	9·510	Trujillo	3·295		15·235
Cabimas	3·410	Valencia	3·355		15·240
Caracas	3·245		4·780		15·375
	3·305	Valera	4·840		15·405
	3·345				
	3·390	VIETNAM (NORTH)		YEMEN	
	4·870	Hanoi	4·734	Sana'a	5·952
	4·880		6·253		5·985
	4·890		7·010		15·780
	4·900		9·760		18·735
	4·920		9·836		18·858
	4·970		11·760	YUGOSLAVIA	
	5·029		11·840	Belgrade	6·100
	5·050		11·950		6·150
	6·110		15·098		7·200
	6·170	VIETNAM (SOUTH)			9·505
	9·640	Hue	7·205		9·620
Carora	3·334	Saigon	4·877		11·735
Carupano	2·360		6·115		11·755
Ciudad Bolivar	3·336		6·165	ZAMBIA	15·240
	4·900		7·245	Lusaka	3·295
Coro	4·820		7·265		3·320
	4·950		9·620		3·346
Cumana	4·960		9·758		3·915
El Tigre	3·255		11·950		3·975
Maracaibo	3·275				4·864
	4·800	WINDWARD IS.			4·911
	4·810	St. George's,			4·964
	5·039	Grenada	3·280		6·060
	9·530		5·010		7·220
Maracay	2·440		6·100		7·285
	3·315		9·520		9·570
Maturin	3·325		9·550		9·750
Merida	3·395		9·660		3·953
Puerto Cabello	3·285		9·670	Zomba	

European Television Stations

Only those stations in the European Broadcasting Area with a vision e.r.p. of 100 kW or more are included, except in the case of the U.K. where all stations are listed. Polarization is horizontal unless marked V (vertical). In the first column is the channel number. The letters in square brackets following the name of the country indicate the television system or systems employed. These are defined on pages 129-131 and the vision and sound carriers given for each channel. There are, in all, over 3,400 television transmitters in Europe.

AUSTRIA [B and G]		kW			kW
6	Lichtenberg	100	F12	Lyon-Mont Pilat	200
8	Gaisberg	100		Le Mans (V)	100
21	Jauerling	800	21	Mulhouse	1000
24	Kahlenberg	400		Brest	1000
43	Lichtenberg	800		Pic du Midi	500
BELGIUM [C]			22	Paris	100
2	Aalter	100	23	Marseille	1000
3	Ougree-Liege	100		Mezieres	500
8	Wavre	100	24	Troyes	1000
10	Wavre	100	25	Caen	1000
CZECHOSLOVAKIA [D]			27	Lille	1000
R2	Ceske Budejovice	100	28	Clermont	1000
R6	Pardubice	100		Pic de l'ours	1000
R7	Banska Bystrica	100	29	Nantes	1000
R9	Brno	100		Nancy	500
R10	Plzen	100	34	Luttange	1000
R12	Usti N. Laben (V)	100	40	Lyon	1000
EIRE [A and I]			43	Le Havre	100
B7	Dublin	100	46	Reims Hautvillers	1000
B11	Sligo (V)	100	48	Toulon	100
I D	Cork (V)	100	50	Limoges	1000
I F	Kilkenny (V)	100	56	Strasbourg	1000
I H	Dublin	100	57	Bordeaux Bouliac	1000
I J	Sligo (V)	100	GERMANY (East) [D]		
FRANCE [E and L]			5	Berlin	100
F2	Troyes	250		Inselberg	100
	Limoges	200	6	Brocken	100
F4	Nantes (V)	300	8	Karl-Marx-Stadt	100
	Carcassonne (V)	100		Marlow	100
F5	Rennes	450	9	Leipzig (V)	100
	Toulouse	100	10	Dresden (V)	100
F6	Metz	200	11	Schwerin	100
	Clermont Ferrand (V)	150	21	Dequede	500
F7	Niort (V)	300	29	Berlin	500
F8A	Lille	200	GERMANY (West) [B and G]		
	Paris	180	2	Bremen-Oldenburg	100
F8	Marseille	200		Götelborner Hoehe (V)	100
	Mulhouse	200		Gruenten/Allgaeu	100
	Brest	150	3	Kreuzberg/Rhoen (V)	100
F9	Bourges	200	4	Ochsenkopf (V)	100
F11	Amiens (V)	200	6	Dillberg	100
			7	Berlin	100
				Brotjacklriegel	100

Germany (West)—cont.	kW		kW
(7) Heidelberg (V)	100	(33) Deggendorf	400
Hoher Meissner	100	Ulm/Donau	380
8 Feldberg	100	Aurich	250
Grosser Feldberg	100	Ahrweiler	205
9 Hamburg	100	34 Grosser Feldberg	500
Hornisgrinde	100	Nürnberg	250
Langenberg	100	Niebuell	200
Waldenburg	100	Pforzheim	200
10 Donnersberg	100	35 Rotweil	300
Harz-West	100	Kiel	250
Wendelstein	100	Munich	250
11 Stuttgart	100	Spessart	230
Teutoburger Wald	100	Haardtkopf	200
21 Eutin	500	Kassel	200
Regensburg	500	37 Aachen	500
Hoehbeck	330	Ravensburg	500
Monschau	300	Amberg	460
Göttingen	220	Donnersberg	330
Münster	170	39 Berlin	500
22 Coburg	195	Flensburg	250
Bremen	100	40 Hamburg	500
Wuppertal	100	Deggendorf	400
23 Augsburg	500	41 Lingen	400
Hof	500	42 Bremen	500
Torfhaus	500	Regensburg	370
24 Hanover	500	Kassel	200
Lingen	500	43 Dannenberg	250
Cuxhaven	330	44 Augsburg	500
Aachen	200	Hanover	500
25 Dortmund	500	45 Würzburg	500
Würzburg	500	Hohbeck	440
Haardtkopf	200	Münster	250
Hohenpeissenberg	100	Schleswig	100
26 Stuttgart	300	46 Kleve	100
Minden	250	49 Bonn	100
Schnaitsee	250	50 Heidelberg	500
Fulda	200	Monschau	280
Bonn	100	Bungsberg	260
Schleswig	100	51 Koblenz	100
27 Heidelberg	500	53 Dortmund	500
Uelzen	500	Torfhaus	500
28 Gruenten	470	Aurich	250
Boppard	250	54 Grosser Feldberg	500
Hoher Bogen	240	55 Düsseldorf	500
29 Düsseldorf	500	Bremen-Oldenburg	400
Rhoen	490	Hoher Bogen	250
30 Hamburg	460	Kiel	200
Nordhelle	240	56 Munich	250
31 Eiderstedt	500	57 Rimberg	400
Baden-Baden	330	58 Aachen	450
Koblenz	100	Ülzen	400
32 Bremen	500	Freiburg	170
Münster-Baumberge	500	59 Göttingen	270
33 Berlin	500	Nürnberg	250
Bielefeld	500	60 Hühnerberg	400
Freiburg	500	Niebuell	200

ITALY [B and G]	kW	PORTUGAL [B]	kW
B Monte Penice	100	7 Lisbon	100
D Monte Serra	270	9 Porto	100
Martina Franca	220	SPAIN [B]	
Punta Badde Urbara	145	2 Madrid	200
Monte Venda	100	3 Izana	350
H Portofino	127	7 Sierra de Lujar	200
22 Udine	150	24 Madrid	1500
23 Monte Penice	1800	SWEDEN [B]	
Monte Faito (V)	1400	43 Hörby	500
24 Monte Argentario (V)	250	SWITZERLAND [B]	
Monte Lauro	200	2 Bantiger	100
25 Monte Venda	1000	3 Uetliberg	100
Monte Caccia	400	4 La Dole	144
26 Gambarie (V)	200	10 Bantiger	100
27 Monte Sambuco	200	SYRIA [B]	
Monte Serra	200	5 Damascus	150
Punta Badde Urbara	200	UNITED ARAB REPUBLIC [B]	
28 Rome-Monte Mario	150	5 Cairo	120
29 Portofino	1000	10 Tanta	135
30 Turin-Eremo	200	UNITED KINGDOM [A and I]	
31 Monte Peglia	200	B1 Crystal Palace (V)	200
32 Martina Franca	700	Ashkirk (V)	18
33 Monte Nerone	200	Divis	12
34 Monte Cammarata	200	Redruth	10.3
LUXEMBOURG [F]		Thrumster (V)	7
7 Dudelange	100	Llanddona (V)	5.7
MOROCCO [B]		Llandrindod Wells	1.3
M4 Zerhoun	180	Scarborough	520W
M7 Rabat	180	Grantown	380W
M10 Casablanca	180	Pitlochry	212W
NETHERLANDS [B and G]		Weardale	160W
4 Lopik	100	Skegness	120W
27 Lopik	250	Sheffield	50W
31 Roermond	500	Carmarthen (V)	22W
32 Goes	125	Kinlochleven (V)	3W
47 Smilde	1000	B2 Holme Moss (V)	100
54 Markelo	300	Rosemarkie	20
NORWAY [B]		N. Hessary Tor (V)	14
2 Melhus	100	Swingate (V)	1.4
4 Kongsberg	100	Londonderry	1
6 Oslo	100	Oxford	700W
9 Bergen	140	Brighton (V)	400W
POLAND [D]		Ballachulish	60W
R1 Bydgoszcz	100	Hereford	50W
R3 Zielona Gora	200	Dundee (V)	9W
R8 Katowice	265	B3 Kirk O'Shotts (V)	100
Bialystok	100	Rowridge (V)	100
R9 Lublin (V)	120	Tacolneston	40
R10 Gdansk	100	Bressay (V)	6
Krakow	100	Morecambe Bay	5.3
R12 Wroclaw	127	Blaen-Plwyf	2
Rzeszow V)	100		

		kW			kW
(B3)	Swindon	170W	(B8)	Strabane (V)	100
	Larne	50W		Rumster (V)	30
	Machynlleth	50W		Richmond Hill (V)	10
B4	Sutton Coldfield (V)	100	B9	Croydon (V)	400
	Sandale	28		Durris	400
	Melvaig (V)	27.4		Black Mountain	100
	Meldrum	17		Stockland Hill (V)	100
	Manningtree	4.8		Winter Hill (V)	100
	Haverfordwest	4.3		Fremont Point	10
	Les Platons	1	B10	Black Hill (V)	475
	Churchdown Hill (V)	250W		Emley Moor (V)	200
	Folkestone	35W		St. Hilary (V)	200
	Newry (V)	29W		Dover (V)	100
	Perth (V)	25W		Arfon	10
	Hastings	13W	B11	Mendlesham	200
	Okehampton (V)	8W		Caldbeck	100
	Holyhead	7.8W		ChillertonDown(V)	100
	Oban (V)	3W		Angus (V)	50
B5	Wenvoe (V)	100	B12	Moel-y-Parc (V)	25
	Pontop Pike	17		Caradon Hill (V)	200
	Orkney (V)	14		Winter Hill (V)	63
	Forfar (V)	5.3		Mounteagle	50
	Brougher Mount. (V)	3.4		Membury	30
	Douglas (V)	2.8	B13	Wenvoe (V)	200
	Fort William	1.6		Selkirk (V)	25
	Peterborough	1	24	Rowridge	500
	Toward (V)	234W	33	Crystal Palace	500
	Canterbury (V)	30W	40	Sutton Coldfield	1000
	Eastbourne (V)	20W	44	Tunbridge Wells (V)	4
	Ventnor	9.6W	51	Wenvoe	500
B6	Sandy Heath	30		Emley Moor	50
	Sandale	28	62	Winter Hill	500
	Moel-y-Parc (V)	21	64	Hertford (V)	500W
	Scarborough	1			
B7	St. Hilary (V)	100	YUGOSLAVIA [B]		
	Belmont (V)	20	5	Jastrebac	100
B8	Lichfield (V)	400	6	Avala	100
	Burnhope	100	9	Sljeme	100
	Presely	100	11	Ucka	100
				Vlasic	100

European Television Channels

Channel	Carriers (Mc/s)	
	Vision System A	405 lines
<i>Band I</i>		
B 1	45·00	41·50
B 2	51·75	48·25
B 3	56·75	53·25
B 4	61·75	58·25
B 5	66·75	63·25
<i>Band III</i>		
B 6	179·75	176·25
B 7	184·75	181·25
B 8	189·75	186·25
B 9	194·75	191·25
B 10	199·75	196·25
B 11	204·75	201·25
B 12	209·75	206·25
B 13	214·75	211·25
B 14	219·75	216·25
System B 625 lines (7 Mc/s)		
<i>Band I</i>		
2	48·25	53·75
3	55·25	60·75
4	62·25	67·75
<i>Band III</i>		
5	175·25	180·75
6	182·25	187·75
7	189·25	194·75
8	196·25	201·75
9	203·25	208·75
10	210·25	215·75
11	217·25	222·75
12	224·25	229·75
<i>Band I</i>		
A	53·75	59·25
B	62·25	67·75
C	82·25	87·75
<i>Band III</i>		
D	175·25	180·75
E	183·75	189·25
F	192·25	197·75
G	201·25	206·75
H	210·25	215·75
H1	217·25	222·75
<i>Band III</i>		
M4	163·25	168·75
M5	171·25	176·75
M6	179·25	184·75
M7	187·25	192·75
M8	195·25	200·75
M9	203·25	208·75
M10	211·25	216·75

System C 625 lines (Belgian)
Same channels as in System B

System D 625 lines (8 Mc/s)

<i>Band I</i>	<i>Vision</i>	<i>Sound</i>
R 1	49.75	56.25
R 2	59.25	65.75
<i>Out of band</i>		
R 3	77.25	83.75
R 4	85.25	91.75
R 5	93.25	99.75
<i>Band III</i>		
R 6	175.25	181.75
R 7	183.25	189.75
R 8	191.25	197.75
R 9	199.25	205.75
R 10	207.25	213.75
R 11	215.25	221.75
R 12	223.25	229.75

System E 819 lines

<i>Band I</i>		
F 2	52.40	41.25
F 4	65.55	54.40
<i>Band III</i>		
F 5	164.00	175.15
F 6	173.40	162.25
F 7	177.15	188.30
F 8A	185.25	174.10
F 8	186.55	175.40
F 9	190.30	201.45
F 10	199.70	188.55
F 11	203.45	214.60
F 12	212.85	201.70

System F 819 lines (Belgian)
Same channels as in System B.

System I 625 lines (8 Mc/s)

<i>Band I</i>		
I B	53.75	59.75
<i>Band III</i>		
I D	175.25	181.25
I F	191.25	197.25
I H	207.25	213.25
I J	215.25	221.25

Systems G, H, I, K and L 625 lines (8 Mc/s)

<i>Bands IV & V</i>	<i>Vision</i>	<i>Sound</i>		
		G, H, I, K, L	G, H	I
21	471·25	476·75	477·25	477·75
22	479·25	484·75	485·25	485·75
23	487·25	492·75	493·25	493·75
24	495·25	500·75	501·25	501·75
25	503·25	508·75	509·25	509·75
26	511·25	516·75	517·25	517·75
27	519·25	524·75	525·25	525·75
28	527·25	532·75	533·25	533·75
29	535·25	540·75	541·25	541·75
30	543·25	548·75	549·25	549·75
31	551·25	556·75	557·25	557·75
32	559·25	564·75	565·25	565·75
33	567·25	572·75	573·25	573·75
34	575·25	580·75	581·25	581·75
35	583·25	588·75	589·25	589·75
36	591·25	596·75	597·25	597·75
37	599·25	604·75	605·25	605·75
38	607·25	612·75	613·25	613·75
39	615·25	620·75	621·25	621·75
40	623·25	628·75	629·25	629·75
41	631·25	636·75	637·25	637·75
42	639·25	644·75	645·25	645·75
43	647·25	652·75	653·25	653·75
44	655·25	660·75	661·25	661·75
45	663·25	668·75	669·25	669·75
46	671·25	676·75	677·25	677·75
47	679·25	684·75	685·25	685·75
48	687·25	692·75	693·25	693·75
49	695·25	700·75	701·25	701·75
50	703·25	708·75	709·25	709·75
51	711·25	716·75	717·25	717·75
52	719·25	724·75	725·25	725·75
53	727·25	732·75	733·25	733·75
54	735·25	740·75	741·25	741·75
55	743·25	748·75	749·25	749·75
56	751·25	756·75	757·25	757·75
57	759·25	764·75	765·25	765·75
58	767·25	772·75	773·25	773·75
59	775·25	780·75	781·25	781·75
60	783·25	788·75	789·25	789·75
61	791·25	796·75	797·25	797·75
62	799·25	804·75	805·25	805·75
63	807·25	812·75	813·25	813·75
64	815·25	820·75	821·25	821·75
65	823·25	828·75	829·25	829·75
66	831·25	836·75	837·25	837·75
67	839·25	844·75	845·25	845·75
68	847·25	852·75	853·25	853·75

System M 525 lines

<i>Bands IV & V</i>	<i>Vision</i>	<i>Sound</i>
A22	519·25	523·75
A26	543·25	547·75

European V.H.F. Sound Broadcasting Stations

This list includes only those transmitters in Europe with an e.r.p. of 100 kW or more, except in the case of the U.K. where all stations are listed. There are in addition nearly 3,000 lower powered transmitters in Europe of which over 1,400 are in Italy. The carrier frequencies of the channel numbers in the first column are given on p. 134.

AUSTRIA		kW			
6	Lichtenberg	100		GERMANY (West)	kW
27	Lichtenberg	100		3	Göttelborner Hoehe 100
35	Lichtenberg	100		4	Bremen 100
				6	Gruenten/Allgaeu 100
FRANCE					Heidelberg 100
4	Carcassonne	125			Langenberg 100
6	Lille	150		8	Wendelstein 100
7	Le Mans	100		10	Harz 100
	Reims	150			Stuttgart 100
8	Limoges	150		12	Gruenten/Allgaeu 100
10	Rennes	100			Ochsenkopf 100
12	Nantes	200			Teutoburger Wald 100
13	Carcassonne	125		13	Gaisberg 100
14	Niort	200		14	Göttelborner Hoehe 100
17	Rouen	100		17	Brotjacklriegel 100
19	Le Mans	100			Harz 100
20	Limoges	150			Stuttgart 100
23	Rouen	100		20	Kreuzberg/Rhoen 100
24	Nantes	200		21	Teutoburger Wald 100
26	Lille	150		22	Wendelstein 100
31	Niort	200		23	Bremen 100
32	Carcassonne	125			Waldenburg 100
	Rouen	100		26	Stuttgart 100
33	Reims	150			Gaisberg 100
	Le Mans	100		27	Langenberg 100
35	Limoges	150		28	Göttelborner Hoehe 100
37	Lille	150		30	Ochsenkopf 100
38	Rennes	100		32	Waldenburg 100
39	Reims	150		33	Teutoburger Wald 100
40	Nantes	200		36	Heidelberg 100
41	Niort	200		37	Harz 100
				39	Waldenburg 100
GERMANY (East)				40	Gaisberg 100
13	Marlow	100		41	Langenberg 100
15	Brocken	100		43	Heidelberg 100
16	Sonneberg	100			
23	Leipzig	100		LUXEMBOURG	
24	Sonneberg	100		33	Marnach 100
27	Schwerin	100			
32	Leipzig	100		NETHERLANDS	
34	Inselsberg	100		4	Roermond 100
35	Brocken	100		13	Roermond 100
	Berlin	100		25	Roermond 100
38	Schwerin	100			

		kW
NORWAY		
5	Oslo	100
22	Bokn	100
UNITED KINGDOM		
4	Sandale	120
	Sutton Coldfield	120
	North Hessary Tor	60
	Londonderry	13
	Forfar	9.6
	Bressay	9
5	Pontop Pike	60
	Rowridge	60
	Douglas	6
	Toward	238W
	Newry	28W
	Carmarthen	8.4W
6	Blaen Plwyf	60
	Meldrum	60
	Llangollen	6
	Brougher Mountain	2.5
	Oban	1.5
	Churchdown Hill	27W
	Brecon	9.7W
7	Wrotham	120
	Ashkirk	18
	Llandrindod Wells	1.4
	Pitlochry	200W
	Larne	16.25W
8	Holme Moss	120
	Oxford	22
	Orkney	6
	Haverfordwest	10
	Fort William	1.5
	Machynlleth	62W
	Perth	13.5W
9	Tacolneston	120
	Llanddonna	11.7
	Redruth	9
	Rosemarkie	6
	Grantown	360W
	Hereford	26W
	Kinlochleven	2W
10	Kirk O' Shotts	120
	Wenvoe	120
	Divis	60
	Peterborough	21
	Thrumster	10
	Swingate	6.4
	Sheffield	59W
	Scarborough	25.5W
11	Sandale	120
	North Hessary Tor	60
12	Sutton Coldfield	120
	Pontop Pike	60
	Rowridge	60

		kW
(12)	Londonderry	13
	Forfar	9.6
	Bressay	9
	Douglas	6
	Toward	238W
	Carmarthen	8.4W
13	Blaen Plwyf	60
	Meldrum	60
	Llangollen	6
	Newry	28W
14	Wrotham	120
	Ashkirk	18
	Brougher Mountain	2.5
	Oban	1.5
	Les Platons	1.4
	Llandrindod Wells	1.4
	Churchdown Hill	27W
	Larne	16.25W
	Brecon	9.7W
15	Holme Moss	120
	Haverfordwest	10
	Orkney	6
	Fort William	1.5
	Pitlochry	200W
	Machynlleth	62W
	Perth	13.5W
16	Tacolneston	120
	Oxford	22
	Llanddonna	11.7
	Redruth	9
	Rosemarkie	6
	Hereford	26W
	Kinlochleven	2W
17	Kirk O' Shotts	120
	Wenvoe	120
	Grantown	360W
	Sheffield	59W
	Scarborough	25.5W
18	Sandale	120
	Divis	60
	North Hessary Tor	60
	Peterborough	21
	Thrumster	10
	Swingate	6.4
19	Sutton Coldfield	120
	Londonderry	13
	Forfar	9.6
	Bressay	9
	Douglas	6
20	Blaen Plwyf	60
	Meldrum	60
	Pontop Pike	60
	Rowridge	60
	Toward	238W
	Newry	28W
	Carmarthen	8.4W

United Kingdom—cont.		kW			kW
21	Llangollen	6	(23)	Skye	2W
	Brougher Mountain	2.5	24	Kirk O'Shotts	120
	Oban	1.5		Tacolneston	120
	Churchdown Hill	27W		Wenvoe	120
	Brecon	9.7W		Redruth	9
22	Holme Moss	120		Grantown	360W
	Wrotham	120		Sheffield	59W
	Melvaig	21.7		Hereford	26W
	Ashkirk	18		Scarborough	25.5W
	Haverfordwest	10		Kinlochleven	2W
	Orkney	6	25	Divis	60
	Fort William	1.5		Peterborough	21
	Llandrindod Wells	1.4		Thrumster	10
	Pitlochry	200W		Swingate	6.4
	Larne	16.25W	26	Sandale	120
	Perth	13.5W		Les Platons	1.4
23	Oxford	22	29	Oxford	22
	Llandonna	11.7	33	Wenvoe	120
	Rosemarkie	6	34	Les Platons	1.4
	Machynlleth	62W			

European V.H.F. Sound Broadcasting Channels

Channel	Mc/s	Channel	Mc/s
2	87.6	30	96.0
3	87.9	31	96.3
4	88.2	32	96.6
5	88.5	33	96.9
6	88.8	34	97.2
7	89.1	35	97.5
8	89.4	36	97.8
9	89.7	37	98.1
10	90.0	38	98.4
11	90.3	39	98.7
12	90.6	40	99.0
13	90.9	41	99.3
14	91.2	42	99.6
15	91.5	43	99.9
16	91.8	44	100.2
17	92.1	45	100.5
18	92.4	46	100.8
19	92.7	47	101.1
20	93.0	48	101.4
21	93.3	49	101.7
22	93.6	50	102.0
23	93.9	51	102.3
24	94.2	52	102.6
25	94.5	53	102.9
26	94.8	54	103.2
27	95.1	55	103.5
28	95.4	56	103.8
29	95.7		

Internationally Allocated Call Signs

The first character or the first two characters of a call sign indicate the nationality of the station using it. In this list the abbreviation O.T. is used for overseas territories or states administered by, or for which the international relations are the responsibility of, the country named.

AAA-ALZ	U.S.A.	HZA-HZZ	Saudi Arabia
AMA-AOZ	Spain	IAA-IZZ	Italy and O.T.
APA-ASZ	Pakistan	JAA-JSZ	Japan
ATA-AWZ	India	JTA-JVZ	Mongolia
AXA-AXZ	Australia	JWA-JXZ	Norway
AYA-AZZ	Argentina	JYA-JYZ	Jordan
BAA-BZZ	China	JZA-JZZ	Neth. New Guinea
CAA-CEZ	Chile	KAA-KZZ	U.S.A.
CFA-CKZ	Canada	LAA-LNZ	Norway
CLA-CMZ	Cuba	LOA-LWZ	Argentina
CNA-CNZ	Morocco	LXA-LXZ	Luxembourg
COA-COZ	Cuba	LYA-LYZ	Lithuania
CPA-CPZ	Bolivia	LZA-LZZ	Bulgaria
COA-CRZ	Portuguese O.T.	MAA-MZZ	U.K.
CSA-CUZ	Portugal	NAA-NZZ	U.S.A.
CVA-CXZ	Uruguay	OAA-OCZ	Peru
CYA-CZZ	Canada	ODA-ODZ	Lebanon
DAA-DTZ	Germany	OEA-OEZ	Austria
DUA-DZZ	Philippines	OFA-OJZ	Finland
EAA-EHZ	Spain	OKA-OMZ	Czechoslovakia
EIA-EJZ	Eire	ONA-OTZ	Belgium
EKA-EKZ	U.S.S.R.	OUA-OZZ	Denmark
ELA-ELZ	Liberia	PAA-PIZ	Netherlands
EMA-EOZ	U.S.S.R.	PJA-PJZ	Netherland Antilles
EPA-EQZ	Iran	PKA-POZ	Indonesia
ERA-ERZ	U.S.S.R.	PPA-PYZ	Brazil
ESA-ESZ	Estonia	PZA-PZZ	Surinam
ETA-ETZ	Ethiopia	QAA-QZZ	(Q Code)
EUA-EWZ	Byelorussia	RAA-RZZ	U.S.S.R.
EXA-EZZ	U.S.S.R.	SAA-SMZ	Sweden
FAA-FZZ	France and O.T.	SNA-SRZ	Poland
GAA-GZZ	U.K.	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 O.T.
HLA-HMZ	Korea	TIA-TIZ	Costa Rica
HNA-HNZ	Iraq	TJA-TRZ	France and O.T.
HOA-HPZ	Panama	TSA-TSM	Tunisia
HQA-HRZ	Honduras Republic	TSN-TZZ	France and O.T.
HSA-HSZ	Thailand	UAA-UQZ	U.S.S.R.
HTA-HTZ	Nicaragua	URA-UTZ	Ukraine
HUA-HUZ	Salvador	UUA-UZZ	U.S.S.R.
HVA-HVZ	Vatican State	VAA-VGZ	Canada
HWA-HYZ	France and O.T.	VHA-VNZ	Australia

VOA-VOZ	Canada	4VA-4VZ	Haiti
VPA-VSZ	U.K. Overseas Ter.	4WA-4WZ	Yemen
VTA-VWZ	India	4XA-4XZ	Israel
VXA-VYZ	Canada	4YA-4YZ	International Civil Aviation Organization
VZA-VZZ	Australia		
WAA-WZZ	U.S.A.	4ZA-4ZZ	Israel
XAA-XIZ	Mexico	5AA-5AZ	Libya
XJA-XOZ	Canada	5BA-5BZ	Cyprus
XPA-XPZ	Denmark	5CA-5GZ	Morocco
XQA-XRZ	Chile	5HA-5IZ	Tanzania
XSA-XSZ	China	5JA-5KZ	Colombia
XTA-XTZ	Upper Volta	5LA-5MZ	Liberia
XUA-XUZ	Cambodia	5NA-5OZ	Nigeria
XVA-XVZ	Vietnam	5PA-5QZ	Denmark
XWA-XWZ	Laos	5RA-5VZ	France and O.T.
XXA-XXZ	Portuguese O.T.	5WA-5WZ	W. Samoa
XYA-XZZ	Burma	5XA-5XZ	Uganda
YAA-YAZ	Afghanistan	5YA-5ZZ	Kenya
YBA-YHZ	Indonesia	6AA-6BZ	Egypt
YIA-YIZ	Iraq	6CA-6CZ	Syria
YJA-YJZ	New Hebrides	6DA-6JZ	Mexico
YKA-YKZ	Syria	6KA-6NZ	Korea
YLA-YLZ	Latvia	6OA-6OZ	Somali
YMA-YMZ	Turkey	6PA-6SZ	Pakistan
YNA-YNZ	Nicaragua	6TA-6UZ	Sudan
YOA-VRZ	Rumania	6VA-6WZ	Senegal
YSA-YSZ	Salvador	6XA-6XZ	Malagasy
YTA-YUZ	Yugoslavia	6YA-6YZ	Jamaica
YVA-YYZ	Venezuela	6ZA-6ZZ	Liberia
YZA-YZZ	Yugoslavia	7AA-7IZ	Indonesia
ZAA-ZAZ	Albania	7JA-7NZ	Japan
ZBA-ZJZ	U.K. Overseas Ter.	7QA-7QZ	Malawi
ZKA-ZMZ	New Zealand	7RA-7RZ	Algeria
ZNA-ZOZ	U.K. Overseas Ter.	7SA-7SZ	Sweden
ZPA-ZPZ	Paraguay	7TA-7YZ	Algeria
ZQA-ZQZ	U.K. Overseas Ter.	7ZA-7ZZ	Saudi Arabia
ZRA-ZUZ	South Africa	8AA-8IZ	Indonesia
ZVA-ZZZ	Brazil	8JA-8NZ	Japan
2AA-2ZZ	U.K.	8SA-8SZ	Sweden
3AA-3AZ	Monaco	8TA-8YZ	India
3BA-3FZ	Canada	8ZA-8ZZ	Saudi Arabia
3GA-3GZ	Chile	9AA-9AZ	San Marino
3HA-3UZ	China	9BA-9DZ	Iran
3VA-3VZ	Tunisia	9EA-9FZ	Ethiopia
3WA-3WZ	Vietnam	9GA-9GZ	Ghana
3YA-3YZ	Norway	9HA-9HZ	Malta
3XA-3XZ	Guinea	9JA-9JZ	Zambia
3ZA-3ZZ	Poland	9KA-9KZ	Kuwait
4AA-4CZ	Mexico	9LA-9LZ	Sierra Leone
4DA-4IZ	Philippines	9MA-9MZ	Malaysia
4JA-4LZ	U.S.S.R.	9NA-9NZ	Nepal
4MA-4MZ	Venezuela	9OA-9TZ	Congo East
4NA-4OZ	Yugoslavia	9UA-9UZ	Burundi
4PA-4SZ	Ceylon	9VA-9WZ	Malaysia
4TA-4TZ	Peru	9XA-9XZ	Rwanda
4UA-4UZ	United Nations	9YA-9ZZ	Trinidad & Tobago

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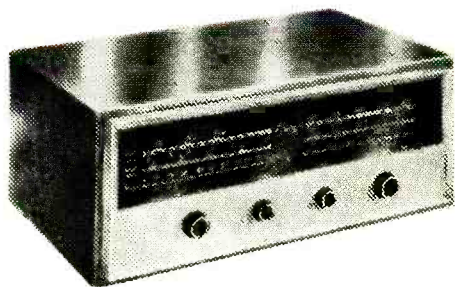
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