

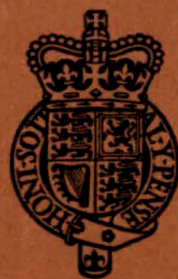
OVERSEAS GEOLOGICAL SURVEYS
MINERAL RESOURCES DIVISION

MINERAL RESOURCES DIVISION,
OVERSEAS GEOLOGICAL SURVEYS,
44-78 GRAY'S INN ROAD,
LONDON, W.C.1.

STATISTICAL
SUMMARY OF THE
MINERAL INDUSTRY

WORLD PRODUCTION,
EXPORTS AND IMPORTS

1953-1958



LONDON
HER MAJESTY'S STATIONERY OFFICE

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1960

This publication is prepared by the Statistical Section of the Mineral Resources Division of Overseas Geological Surveys.

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MAJOR CHANGES IN THIS ISSUE

Statistics relating to Bentonite, Cement, Indium, Perlite and Sodium Carbonate are included for the first time. A general Index and a list of Minerals Produced in Countries of the British Commonwealth have also been added.

The quantities in the Bismuth, Cobalt and Molybdenum tables, previously expressed in cwt., are now shown in long tons. The unit in the Cadmium tables has been changed from lb. to tons and that in the Mica tables from tons to lb.

The amount of detail previously shown in the trade tables relating to coal by-products has been reduced.

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EXPLANATORY NOTES

Coverage. Although this Summary attempts to provide a comprehensive world coverage of mineral production and trade, it has not been possible to obtain complete information for every country. In the production tables, estimates for certain countries have been included where necessary in order to arrive at world totals. In the trade tables, however, such estimates have generally not been attempted and the coverage is limited to that available from the official trade returns. The absence of import or export figures for a particular country from a table does not necessarily signify no trade in the commodity concerned, but may mean only that the item has not been separately specified in that country's trade returns.

Arrangement of Countries. In each table, British Commonwealth countries are grouped separately from other countries. Within their respective groups the countries are then listed alphabetically by continents in the following order: Europe, Africa, North and Central America, South America, Asia and Australasia.

For Northern Rhodesia, Nyasaland and Southern Rhodesia, production statistics are recorded separately but the trade statistics from 1954 onwards are given for the Federation as a whole.

For Swaziland and Bechuanaland, production statistics are recorded separately but the foreign trade is dealt with for Customs purposes as part of the Union of South Africa. The trade figures for South-West Africa are also generally included with those for the Union of South Africa from 1955 onwards.

The trade statistics for Spain and Spanish Dependencies exclude the trade between these territories except in the cases of coal, coke, iron ore, manganese ore, petroleum and allied products, pyrites and salt.

Production of Ores and Metals. In the sections on cobalt, copper, lead, tin and zinc, tables are given showing both the production of ore, in terms of its metal content, and the actual production of metal. The metal content of the ore produced is either as calculated from average assay values or is the amount of metal estimated to be recoverable. The ore is, of course, not necessarily smelted in the country of origin and the metal production in a particular country may be derived from both domestic and imported ores. Secondary metal is excluded, as far as possible, from the metal production tables but where important is given in footnotes to the producing countries.

Imports and Exports. The figures of imports shown in the tables are intended to represent the imports retained, i.e. total imports less re-exports. Where re-exports have not been allowed for, an indication to this effect is given in a footnote. Foreign produce imported for "improvement" and subsequent export is generally included.

The figures of exports represent, as far as possible, exports of domestic produce, the latter term including foreign produce after it has undergone "improvement". In countries operating the Special Trade system, domestic exports may also include some foreign produce which has been "nationalised" by Customs clearance and subsequently re-exported without any transformation. Shipments of coal and oil as bunker fuel, which constitute an important part of the trade of some countries, e.g., Aden, are shown separately in the export tables; where these shipments consist of, or include, foreign produce a footnote is given to that effect.

Units. The units of weight employed in the tables are: the metric carat, the troy ounce, the lb. (avdp.) and the long ton. Their equivalents in certain other units are as follows:

<p>1 metric carat = 0.2 gramme = 3.08648 grains</p>	<p>1 lb. (avdp.) = 7,000 grains = 14.5833 troy ounces = 0.453592 kilogrammes</p>
<p>1 troy ounce = 480 grains = 31.1035 grammes = 155.5175 metric carats</p>	<p>1 long ton = 2,240 lb. (avdp.) = 1.12 short tons = 1.016047 metric tons</p>

The factors used for converting volumes of liquids into long tons are given in footnotes to the tables relating to Coal By-Products (p. 83) and Petroleum and Allied Products (pp. 229, 240).

Symbols. The following symbols are used in this Summary:

— = Nil, or negligible. r = Revised figure. n.a. = Information not available.

ABRASIVES*

PRODUCTION OF NATURAL ABRASIVES

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Kenya—						
Pumice (e)	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,635	2,071	733
Nyasaland—						
Corundum	—	15	18	—	—	—
Southern Rhodesia—						
Corundum	753	2,536	1,044	3,971	4,024	4,102
Tanganyika—						
Garnet	—	—	—	15	80	120
Union of South Africa—						
Corundum	1,665	1,288	745	1,846	1,374	1,891
Garnet	—	—	—	—	16	—
Canada—						
Grindstones	13	—	9	—	—	—
Ceylon—						
Garnet	—	—	5	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
India—						
Corundum	324	4,701	240	352	426	389
Malaya (a)—						
Corundum	—	—	2	—	—	—
Australia—						
Emery	—	—	8	—	—	—
Corundum	—	—	9	—	—	—
Garnet	35	—	—	—	—	—
New Zealand—						
Pumice (e)	2,013	8,854	7,741	7,614	15,171	23,082
OTHER COUNTRIES						
Belgium—						
Grindstones	55	52	48	64	64	44
France—						
Pumice (e)	10,236	9,940	9,050	12,801	7,840	9,800
Millstones	2,107	2,448	2,230	1,623	2,619	6,400
Sharpening stones	226	197	1,093	1,923	73	}
Germany (Federal)—						
Pumice (d)	2,222,000	1,981,000	2,773,000	3,541,000	2,912,000	2,906,000
Greece—						
Emery	10,000	8,000	9,000	7,000	7,000	<i>n.a.</i>
Pumice	42,800 <i>cu.m.</i>	31,215 <i>cu.m.</i>	<i>n.a.</i>	70,000	54,681	88,579
Pumicite	39,000	34,000	36,000	84,000	78,200	78,737
Iceland—						
Pumice	—	10,826	(c) 13,000	(c) 17,000	13,484	(c) 13,000
Italy—						
Pumice	205,009	185,103	177,334	205,454	231,511	<i>n.a.</i>
Millstones	148	—	—	—	—	<i>n.a.</i>
Sharpening stones	1,457	2,953	2,559	1,277	2,192	<i>n.a.</i>
Whetstones	603	796	731	699	669	<i>n.a.</i>
Portugal—						
Tripoli	972	1,795	2,231	1,773	1,440	1,034
Spain—						
Pumice (b) (e)	546	472	842	1,501	—	—
Tripoli	7,121	8,931	14,221	11,650	12,371	10,251
Garnet	212	195	198	208	248	402
Sweden—						
Grindstones and whetstones	835	849	657	875	597	<i>n.a.</i>

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Exports.

(b) Canary Islands.

(c) United States Bureau of Mines' estimate.

(d) Marketable. Including pumice and pumicite for constructional purposes.

(e) May include pumice for use other than as an abrasive.

PRODUCTION OF NATURAL ABRASIVES (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Egypt—						
Pumice	679	394	161	(e) 150	(e) 150	(e) 100
Garnet	8	—	166	n.a.	n.a.	n.a.
Madagascar—						
Garnet	11	10	169	139	345	233
Mozambique—						
Corundum	1	1	8	—	—	—
United States (d)—						
Emery	9,430	8,712	9,585	10,851	10,619	6,863
Garnet	9,393	12,663	10,567	8,761	8,729	8,960
Pumice (a) (b)	1,203,693	1,470,890	1,611,150	1,323,405	1,631,000	1,762,000
Tripoli	32,306	37,165	44,341	40,187	45,283	42,004
Grindstones	2,231	1,980	2,499	(c) 2,490	1,344	761
Grinding pebbles	2,207	2,741	1,902	2,080	2,591	1,772
Argentina—						
Garnet	n.a.	n.a.	150	534	706	n.a.
Turkey—						
Emery	1,117	4,726	6,987	6,282	4,063	3,363

Abrasives are also produced in other countries, statistics for which are not available.

The following crude artificial abrasives were produced in Canada (long tons):—

	1953	1954	1955	1956	1957	1958
Silicon carbide	47,235	44,929	66,917	71,846	74,394	69,221
Fused alumina	219,310	178,444	158,180	162,348	194,810	97,775

The United States Bureau of Mines reports the following artificial abrasives sold, shipped or used from plants in United States and Canada (long tons):—

	1953	1954	1955	1956	1957	1958
Silicon carbide	55,626	59,796	66,790	85,516	111,329	98,621
Aluminium oxide	217,979	195,811	174,841	174,311	204,028	109,704
Metallic abrasives	143,304	105,443	140,729	125,406	117,413	90,321

(United States plants only)

The figures given above include material used for refractories and other non-abrasive purposes.

(a) The amounts sold for abrasive purposes were as follows:

1953	20,525	long tons
1954	14,573	” ”
1955	28,976	” ”
1956	33,989	” ”
1957	18,897	” ”
1958	n.a.	

(b) Including volcanic cinders used principally for ballast which amounted to 500,448 tons in 1953, 616,121 tons in 1954, 858,505 tons in 1955, 530,947 tons in 1956, 689,629 tons in 1957 and 936,000 tons in 1958.

(c) Including oilstones and other sharpening stones.

(d) Sales.

(e) United States Bureau of Mines' estimate.

EXPORTS OF ABRASIVES*
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Abrasives, natural ..	1,746	2,327	2,619	2,543	2,322	1,442
do. artificial ..	642	1,031	1,656	2,417	3,221	3,209
Grinding wheels etc. of—						
Artificial corundum, etc.	1,198	1,416	1,799	2,006	2,219	2,954
Carborundum	1,050	1,161	1,261	877	734	1
Emery	135	180	169	1,696	1,594	1,195
Other hard abrasives	412	408	384			
Natural rock	1,098	1,565	1,314			
Other manufactured abrasives	364	355	332	336	296	310
Nyasaland—						
Corundum	—	(a) 2,393	(a) 1,590	(a) 3,399	(a) 4,027	(a) 4,343
Southern Rhodesia—						
Corundum	807					
Union of South Africa—						
Corundum	1,829	1,262	760	1,458	1,635	1,206
Canada—						
Natural abrasives, including diatomaceous earth	19	11	29	40	52	21
Artificial abrasives, crude	270,581	230,485	230,144	237,478	273,690	168,393
Artificial abrasive wheels, etc.	(£4,193)	(£4,281)	(£6,447)	(£6,344)	(£9,181)	(£15,105)
Grindstones	(£8,202)	(£35,230)	(£16,378)	(£33,688)	(£17,098)	(£26,161)
Hong Kong—						
Grinding and polishing wheels, etc. (including re-exports)	(£69,952)	(£42,902)	(£25,918)	(£23,779)	(£15,120)	(£11,642)
Malaya—						
Corundum	—	—	2	—	—	—
Grinding and polishing wheels, etc. (including re-exports)	76	33	66	64	54	52
New Zealand—						
Pumice (b)	803	706	1,515	1,093	1,569	1,082
OTHER COUNTRIES						
Austria—						
Emery and other natural abrasives	525	765	833	710	802	729
Grindstones	1	—	—	—	—	2
Millstones	133	401	236	568	325	390
Artificial abrasives	1,705	1,003	1,539	2,060	3,328	2,720
Belgium-Luxemburg						
E.U.—						
Emery and other natural abrasives	93	503	45	42	33	35
Corundum, artificial	19	26	7	8	4	46
Millstones, grindstones, etc.	72	73	71	71	81	65

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Federation of Rhodesia and Nyasaland.

(b) May include pumice for use other than as an abrasive.

EXPORTS OF ABRASIVES (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Denmark—						
Emery	7	2	3	3	3	8
Millstones and grindstones	176	228	149	270	293	385
Finland—						
Grindstones, etc. (a) ..	169	314	53	93	388	120
France—						
Corundum and emery ..	200	309	204	185	205	462
Pumice	32	34	22	11	12	19
Other natural abrasives	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	48	80	60
Millstones and grindstones	1,847	1,567	1,448	799	846	876
Whetstones	56	56	41	38	73	60
Carborundum	440	765	1,540	1,459	1,604	1,351
Corundum, artificial ..	2,341	3,999	5,481	5,028	5,548	5,613
Germany (Federal)—						
Emery	126	173	1,665	256	209	197
Pumice				862	194	(b) 545,755
Other natural abrasives				2	1	7
Millstones, grindstones, etc. (a)	2,112	2,544	2,595	2,602	2,439	2,206
Corundum, artificial ..	3,265	5,998	9,077	11,324	12,871	14,368
Greece—						
Emery	5,490	6,621	8,321	4,578	8,257	5,872
Pumice	29,853	16,732	17,993	10,850	38,135	41,006
Italy—						
Pumice	34,129	39,383	49,111	54,919	54,565	68,250
Emery and corundum	2	29	52	43	169	78
Tripoli	116	76	91	40	45	145
Millstones	22	29	32	116	133	262
Grindstones	79	67	92	87	129	124
Whetstones	97	104	106	95	74	50
Carborundum	158	63	110	108	175	267
Corundum artificial ..	351	420	458	19	200	318
Netherlands—						
Emery, etc.	1,454	2,265	2,809	2,965	3,317	2,853
Norway—						
Emery, etc.	122	35	46	25	8	9
Whetstones	12	31	—	—	—	—
Abrasive wheels	67	230	299	366	169	163
Sweden—						
Emery	2	4	1	5	—	—
Other natural abrasives	51	1	—	1	8	4
Carborundum	216	219	504	580	331	290
Corundum, artificial ..	47	230	392	473	552	706
Millstones, grindstones, etc.	137	155	170	200	142	108
Switzerland—						
Carborundum, emery, etc., crude	39	81	261	56	74	167
do. do. ground	1,187	1,563	2,299	1,568	1,723	1,632
Grindstones	1	3	—	1	11	2
Madagascar—						
Garnet	115	1	189	109	323	244
Mozambique—						
Corundum	—	—	—	8	—	—
Costa Rica—						
Millstones	95	161	49	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Mexico—						
Pumice, etc.	4,554	5,854	875	190	21	—

(a) Including artificial.

(b) Including pumice and pumicite for construction purposes.

EXPORTS OF ABRASIVES (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
United States—						
Corundum	213	135	139	222	186	149
Emery powder	1,013	1,160	1,250	1,727	1,046	984
Grindstones	386	319	404	384	295	250
Whetstones, etc.	71	58	94	56	88	91
Other natural abrasives	49,849	46,736	58,670	63,480	65,650	10,677
Aluminium oxide, fused	8,454	10,103	11,781	11,079	9,587	8,156
Silicon carbide	4,704	5,886	6,313	7,001	6,830	9,506
Unfused alumina	232	173	105	30	50	68
Other crude artificial abrasives	22	15	51	71	138	89
Japan—						
Emery	50	88	51	124	187	150
Other natural abrasives	20	10	86	147	131	68
Grindstones, etc.	157	158	246	100	141	152
Artificial abrasives	454	185	112	407	263	293
Turkey—						
Emery	3,201	8,458	9,230	8,561	7,843	6,468

IMPORTS OF ABRASIVES*
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Emery	3,049	6,986	4,062	3,923	4,209	2,314
Garnet concentrates—						
Unground	336	160	250	298	431	455
Ground	202	402	357	392	394	339
Other natural abrasives	4,054	6,201	9,067	8,125	7,298	6,787
Aluminium oxide .. .	12,305	26,173	30,555	25,207	23,067	27,957
Carborundum	3,268	11,028	11,387	11,246	9,539	7,883
Grinding wheels of hard abrasives	36	72	83	119	} 151	} 177
Grindstones and whet- stones	2	2	48	36		
Other manufactured abrasives	15	76	106	99	—	<i>n.a.</i>
Malta—						
Pumice	<i>n.a.</i>	14	200	13	78	<i>n.a.</i>
Kenya and Uganda—						
Grindstones, etc. .. .	34	31	37	74	45	46
Mauritius—						
Grindstones, etc. .. .	49	39	(£2,760)	43	44	30
Tanganyika—						
Grindstones, wheels, etc.	17	14	23	22	18	13
Union of South Africa—						
Emery	26	43	44	42	41	96
Pumice	33	75	85	53	62	73
Other abrasives (£S.A.)	(£56,109)	(£133,469)	(£141,496)	(£184,574)	(£189,850)	(£186,205)
Abrasive wheels and discs (£S.A.) .. .	(£83,864)	(£77,246)	(£76,483)	(£63,303)	(£66,605)	(£70,044)
Grindstones, millstones, etc. (£S.A.) .. .	(£4,044)	(£4,808)	(£4,566)	(£5,488)	(£2,933)	(£4,375)
Canada—						
Pumice, etc.	(£59,823)	(£59,717)	(£77,948)	(£88,239)	(£94,935)	(£109,144)
Emery, ground .. .	(£60,236)	(£73,447)	(£75,512)	(£88,303)	(£92,868)	(£86,096)
Artificial abrasives, ground	(£638,104)	(£568,729)	(£723,285)	(£848,412)	(£820,892)	(£703,823)
Buhrstones	(£356)	(£353)	(£272)	(£266)	(£219)	—
Emery and artificial abrasives manufactures	(£78,204)	(£110,186)	(£124,077)	(£188,795)	(£223,650)	(£203,924)
Grindstones and wheels	(£739,486)	(£699,348)	(£820,294)	(£931,892)	(£886,165)	(£774,907)
British West Indies—						
Jamaica—						
Natural abrasives .. .	(£442)	63	32	5	5	3
Grindstones	(£2,772)	7	8	11	6	10
Trinidad and Tobago—						
Grindstones and wheels	21	16	38	18	15	19
Ceylon—						
Grindstones	(£8,935)	(£7,959)	(£1,195)	(£11,368)	(£9,969)	(£9,529)
Cyprus—						
Grindstones and mill- stones	(£2,900)	(£3,841)	(£2,849)	(£2,437)	(£3,926)	(£3,668)
Hong Kong (a)—						
Grinding and polishing wheels, etc. .. .	(£120,742)	(£108,162)	(£40,324)	(£46,509)	(£40,316)	(£35,049)
India—						
Natural abrasives .. .	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	2,384	986
Carborundum	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	231	175
Malaya (a)—						
Grinding and polishing wheels, etc. .. .	268	274	424	450	408	368

* See also Aluminium, Diamonds and Diatomaceous earth.

(a) Total imports.

IMPORTS OF ABRASIVES (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Australia (b)—						
Emery	54	101	121	107	79	132
Corundum	2	33	13	84	26	93
Pumice	(£9,734)	952	1,812	1,440	1,210	1,414
Grindstones, etc.	73	103	182	89	113	87
Garnet grains		28	93	25	41	48
Tripoli	129	179	251	300	244	306
Other natural abrasives		127	69	45	99	151
Artificial abrasives	1,284	2,244	2,773	2,372	2,887	2,793
New Zealand—						
Pumice	47	75	—	—	2	—
Corundum, emery, etc.	8	8	16	18	9	17
Carborundum, etc.	85	58	68	69	52	77
Grindstones, etc.						
(£N.Z.)	(£9,018)	(£13,807)	(£13,148)	(£12,966)	(£16,712)	(£15,690)
Irish Republic—						
Grindstones, oilstones, etc.	112	119	159	113	102	122
OTHER COUNTRIES						
Austria—						
Emery and other natural abrasives	48	218	298	258	221	200
Artificial abrasives	703	1,956	3,148	2,910	2,644	3,000
Pumice	125	175	353	616	510	417
Grindstones	139	139	215	158	64	86
Millstones	83	98	121	117	83	97
Belgium-Luxemburg						
E.U.—						
Emery and other natural abrasives	12,034	27,273	1,063	2,403	4,688	945
Corundum, artificial	705	935	1,269	1,119	1,196	1,094
Millstones, grindstones, etc.	246	282	216	199	236	161
Silicon carbide	918	904	1,076	1,575	1,262	1,040
Denmark—						
Emery, etc.	351	487	265	360	466	380
Pumice	1,505	768	946	1,400	1,406	1,696
Carborundum	276	256	780	993	608	697
Millstones and grindstones	208	244	181	142	150	210
Finland—						
Emery, pumice, etc.	428	828	672	561	500	479
Carborundum	52	134	242	260	263	275
Millstones, etc. (a)	16	19	—	—	—	3
Whetstones, grindstones, etc. (a)	479	1,418	1,368	918	739	723
France—						
Corundum	9	18	14			
Emery	262	2,507	2,211	1,668	830	3,030
Pumice	31,671	44,264	43,279	59,572	91,961	81,843
Millstones and grindstones	83	123	192	195	103	196
Whetstones	130	131	175	167	94	130
Carborundum	1,015	1,044	2,143	1,776	1,793	1,805
Corundum, artificial	490	108	787	1,023	860	723

(a) Including artificial.

(b) Years ended June 30 of that stated.

IMPORTS OF ABRASIVES (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Emery	} 3,951	6,312	8,117	} 1,340 6,194 135	1,293 6,459 76	991 6,144 150
Pumice, etc. .. .						
Other natural abrasives						
Millstones, grindstones, etc. (a) .. .	187	281	323	502	276	331
Corundum, artificial ..	628	1,225	1,142	683	499	398
Iceland—						
Millstones, etc. . . .	29	30	38	8	13	16
Italy—						
Emery and corundum ..	1,749	1,142	1,866	1,014	1,545	1,870
Tripoli	49	341	576	543	639	586
Millstones	61	100	125	32	142	31
Grindstones	201	169	123	100	89	92
Whetstones	26	25	51	23	15	15
Corundum, artificial ..	1,279	1,534	2,607	2,719	3,002	2,946
Carborundum	1,217	1,746	2,150	2,375	2,181	1,848
Netherlands—						
Emery	1,523	3,144	4,322	4,137	3,980	3,723
Other natural abrasives	1,392	2,005	2,400	2,085	1,698	1,907
Millstones and grind- stones	229	248	219	147	142	132
Corundum, artificial ..	478	476	828	905	1,464	1,526
Carborundum	215	306	433	479	579	657
Norway—						
Emery, etc.	284	577	620	768	552	582
Whetstones	2	6	3	3	1	3
Abrasive wheels .. .	64	94	106	115	124	131
Portugal—						
Emery, etc.	213	350	382	447	512	613
Pumice	182	164	201	257	201	242
Millstones	95	121	150	64	63	42
Spain—						
Emery powder	57	16	43	22	15	21
Carborundum	328	376	360	340	1,268	395
Sweden—						
Emery	312	494	464	468	586	405
Pumice	138	156	226	192	205	263
Other natural abrasives	717	686	911	605	801	1,019
Carborundum, etc. .. .	920	1,496	1,771	1,911	2,517	1,815
Corundum, artificial ..	923	1,501	2,693	2,984	3,519	2,630
Grindstones, etc. .. .	198	140	176	160	128	121
Millstones	80	113	107	41	51	48
Switzerland—						
Emery, crude	232	410	693	811	343	532
Carborundum, emery, etc., ground	721	865	1,156	2,110	2,194	1,874
Millstones	40	24	32	49	51	83
Grindstones	257	266	300	174	202	169
Whetstones	18	17	18	17	17	12
Yugoslavia—						
Corundum, etc. .. .	1,030	849	795	1,090	1,217	1,418
Algeria—						
Emery, corundum, etc.	3	3	5	11	95	78
Pumice (b)	6,284	8,332	11,276	18,883	23,191	32,625
Millstones and grind- stones (a)	283	277	181	169	156	295
Belgian Congo—						
Natural abrasives .. .	53	28	25	34	27	22
Corundum, artificial ..	43	5	10	65	128	227

(a) Including artificial.

(b) May include pumice for use other than as an abrasive.

IMPORTS OF ABRASIVES (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Egypt—						
Emery, pumice, etc. ..	1,882	1,379	3,780	1,921	2,383	1,015
Millstones	29	6	r 26	5	21	27
Grindstones	r 26	r 37	r 51	20	14	—
Whetstones	r 13	r 33	4	—	—	—
Madagascar—						
Emery, etc.	11	16	7	24	91	65
Morocco—						
Millstones and grindstones	(b) 107	(b) 126	(b) 109	50	30	46
Emery, pumice, etc. ..	953	875	870	1,152	131	23
Sudan—						
Grindstones	42	21	51	67	118	n.a.
Tunisia—						
Pumice	3,121	5,361	3,643	199	7	550
Millstones and grindstones (b)	127	97	99	91	58	109
Cuba (a)—						
Grindstones	614	742	568	700	639	n.a.
Guatemala (a)—						
Emery	11	14	15	22	22	24
Mexico (a)—						
Emery and carborundum	1,256	1,196	1,078	1,077	1,049	1,306
Pumice	3	4	5	10	360	7
Millstones and grindstones	450	451	665	722	795	784
United States—						
Corundum, crude ..	2,388	989	1,249	1,658	3,664	4,183
Emery, crude	—	500	750	1,750	1,191	11
Corundum and emery, ground	29	217	506	429	645	462
Pumice, crude	29,208	18,706	26,731	17,399	31,413	34,476
do. manufactured ..	842	848	1,337	1,174	1,897	1,673
Tripoli, etc.	332	—	25	—	8	38
Crude artificial abrasives	255,862	200,103	197,143	206,998	251,351	140,830
Argentina—						
Emery	440	919	1,505	1,751	2,759	2,628
Grindstones	—	—	—	—	1	1
Oil stones	—	3	10	—	—	—
Brazil (a)—						
Emery, pumice, etc. ..	68	149	129	66	69	63
Carborundum	148	406	296	491	460	478
Millstones, grindstones, etc.	121	940	1,095	814	284	173
Chile—						
Emery	24	33	11	215	n.a.	n.a.
Carborundum	2	6	1	n.a.	n.a.	n.a.
Millstones, grindstones, etc.	168	80	r 180	214	197	n.a.
Colombia—						
Emery and pumice ..	42	52	42	58	81	50
Tripoli and other natural abrasives ..	70	85	123	213	149	87
Millstones and grindstones (b)	80	82	92	143	107	156
Peru—						
Emery and pumice ..	28	38	34	38	34	n.a.
Millstones, grindstones, etc. (b)	86	69	99	90	89	n.a.

(a) Total imports.

(b) Including artificial.

IMPORTS OF ABRASIVES (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Venezuela (a)—						
Emery and pumice	43	206	<i>n.a.</i>	82	114	66
Carborundum	16	62	<i>n.a.</i>	86	85	113
Indonesia—						
Emery	72	62	126	235	109	33
Other natural abrasives	81	95	77	195	121	76
Iran (b)—						
Emery, etc.	8	5	<i>n.a.</i>	17	9	<i>n.a.</i>
Iraq—						
Emery, pumice, etc.	2	2	3	28	10	<i>n.a.</i>
Grindstones, whetstones, etc.	30	21	29	148	160	<i>n.a.</i>
Japan—						
Emery	290	58	197	161	190	44
Other natural abrasives	494	64	182	242	366	393
Grindstones, etc.	15	25	16	2	33	2
Artificial abrasives	377	430	326	212	623	451
Lebanon—						
Emery	3	3	3	5	7	—
Pumice, etc.	13	2	23	6	4	11
Millstones	45	15	25	81	20	7
Philippine Republic—						
Emery	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	135	277	176
Pumice	1	1	12	3	2	42
Other natural abrasives	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	147	176	69
Syria—						
Emery	53	93	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Pumice, etc.	5	2	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Thailand (a)—						
Natural abrasives	123	272	345	399	492	549
Turkey—						
Natural abrasives	7	1	10	1	3	—
Millstones and grindstones (c)	367	222	96	391	263	186

(a) Total imports.

(c) Including artificial.

(b) Years ended March 20 of that following.

ALUMINIUM
(Including Bauxite and Cryolite)

PRODUCTION OF BAUXITE

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Ghana (a)	115,075	163,516	116,285	137,872	185,403	207,120
Jamaica (b)	1,154,172	2,033,786	2,645,345	r 3,141,688	4,595,943	5,721,990
British Guiana (c)	2,257,747	r 2,309,919	2,435,282	2,480,966	2,201,903	1,585,879
India	70,848	74,747	81,172	91,225	96,750	136,901
Malaya	152,170	165,621	222,162	264,444	325,629	262,354
Pakistan	—	—	1,024	3,000	3,316	1,977
Sarawak	—	—	—	—	—	136,319
Australia	4,052	5,487	7,563	10,329	7,707	5,742
TOTAL	3,754,064	r 4,753,076	r 5,508,833	r 6,129,524	7,416,651	8,058,282
OTHER COUNTRIES						
Austria	17,932	16,993	18,836	21,744	21,972	23,198
France	1,137,860	1,254,700	1,469,200	r 1,438,800	1,657,000	1,788,000
Germany (Federal)	5,163	4,100	3,800	4,800	4,600	3,700
Greece	323,057	347,936	492,271	686,958	820,487	787,000
Hungary	1,372,000	1,240,000	1,221,000	878,600	902,773	1,035,983
Italy	267,099	289,453	322,004	271,426	257,478	294,307
Roumania	12,000	31,000	36,000	51,000	60,000	(d) 70,000
Spain	5,106	5,644	6,290	6,921	8,069	5,858
U.S.S.R. (e)	890,000	1,390,000	2,030,000	2,190,000	2,410,000	2,710,000
Yugoslavia	470,015	675,844	778,524	867,497	874,211	721,000
Guinea	320,399	484,377	485,389	444,400	360,100	325,000
Mozambique	3,058	2,397	2,611	3,705	4,963	4,672
Haiti (b)	—	—	—	—	263,000	280,000
United States (b)	1,579,739	1,994,896	1,788,341	r 1,744,000	1,416,000	1,311,000
Brazil	18,524	27,182	44,359	68,653	62,546	68,750
Surinam	3,224,617	3,367,137	3,013,569	3,427,564	3,324,504	2,820,013
Indonesia	147,190	r 170,503	259,511	298,510	237,653	338,473
TOTAL (d)	r9,800,000	r11,300,000	r12,000,000	r12,400,000	12,700,000	12,600,000
WORLD'S TOTAL (d)	r 13,500,000	r16,100,000	r17,500,000	r18,500,000	20,100,000	20,700,000

Bauxite is known to have been produced in China.

(a) Exports.

(b) Dried bauxite equivalent.

(c) Dried bauxite equivalent. Shipments of dried and calcined ore were as follows (long tons):—

	1953	1954	1955	1956	1957	1958
Metallurgical	1,816,983	1,937,171	1,893,939	1,721,098	1,628,172	1,076,510
Chemical	52,090	35,285	50,765	76,930	84,405	75,606
Refractory	103,487	115,284	144,458	215,401	125,190	95,030
Abrasive	141,635	91,125	104,550	111,872	164,382	96,910

Exports of calcined ore are shown on page 13.

(d) Estimated.

(e) United States Bureau of Mines estimate.

PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons			
1953	44,419
1954	52,687
1955	41,131
1956	38,276
1957	48,515
1958	40,323

PRODUCTION OF ALUMINIUM

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a)	30,916	31,603	24,445	27,582	29,404	26,354
Canada	489,683	498,122	546,913	553,858	497,067	536,099
India	3,759	4,886	7,225	6,501	7,778	8,185
Australia	—	—	1,248	9,143	10,624	10,889
TOTAL	524,358	534,611	579,831	597,084	544,873	581,527
OTHER COUNTRIES						
Austria	42,788	47,248	56,296	58,474	58,474	55,996
Czechoslovakia	2,692	15,180	23,996	20,869	16,425	25,980
France	111,278	118,164	127,411	147,395	157,304	166,280
Germany—						
Federal (b)	105,251	127,178	134,901	145,035	151,408	134,606
East (c)	9,600	21,000	26,000	30,000	32,000	34,000
Hungary	28,000	32,300	36,380	34,260	25,585	38,892
Italy	54,587	r 56,592	60,723	62,408	65,145	63,038
Norway	52,330	60,343	70,627	90,490	94,134	119,444
Poland	—	5,100	20,100	21,500	20,038	22,088
Roumania	—	—	(d) 5,500	(d) 7,900	(d) 10,000	(d) 10,000
Spain	4,306	4,606	10,275	13,334	14,692	15,897
Sweden	9,496	10,444	9,877	12,262	13,356	(c) 13,000
Switzerland	29,000	26,000	30,000	30,000	31,000	31,000
U.S.S.R. (d)	290,000	335,000	424,000	450,000	490,000	540,000
Yugoslavia	2,748	3,441	11,317	14,430	17,848	21,339
Cameroon (French)	—	—	—	—	7,481	31,363
United States (e)	1,117,869	1,304,076	1,397,965	1,499,066	1,471,169	1,397,819
Brazil	1,180	1,439	1,638	6,179	8,745	(d) 9,000
China	—	(d) 2,900	r (d) 10,000	(d) 10,000	(d) 20,000	(d) 27,000
Formosa	r 4,828	7,018	6,890	8,621	8,129	8,442
Japan	44,775	52,273	56,600	64,955	66,905	82,240
TOTAL	1,900,000	2,200,000	r 2,500,000	r 2,700,000	2,800,000	2,800,000
WORLD'S TOTAL .. .	r 2,400,000	r 2,700,000	r 3,100,000	3,300,000	3,300,000	3,400,000

(a) In addition secondary metal was recovered as follows:—

1953	89,999 long tons
1954	103,354 " "
1955	127,089 " "
1956	117,679 " "
1957	108,385 " "
1958	109,746 " "

(b) In addition secondary metal was recovered as follows:—

1953	47,875 long tons
1954	68,898 " "
1955	91,249 " "
1956	85,864 " "
1957	88,332 " "
1958	100,154 " "

(c) Estimated.

(d) United States Bureau of Mines' estimate.

(e) In addition secondary metal was recovered as follows:—

1953	329,077 long tons
1954	260,751 " "
1955	r 299,995 " "
1956	r 303,364 " "
1957	323,053 " "
1958	258,531 " "

EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Alumina	15,788	10,497	20,259	26,308	32,725	38,243
Ingots, etc. (a) ..	11,357	4,033	3,638	9,681	6,896	2,124
Scrap (a)	150	304	30	15	52	55
Sheets, strip and plates	7,895	8,012	8,871	14,160	9,064	8,218
do. alloyed	24,041	14,700	14,678	17,068	12,716	11,977
Discs, circles and slugs	3,736	4,767	5,411	4,541	4,025	2,691
do. alloyed	430	263	229	341	337	375
Bars, rods, tubes, shapes						
and wire	1,343	3,462	5,520	4,478	5,050	1,923
do. alloyed	5,814	4,084	4,746	4,473	4,605	3,607
Powder	663	874	779	791	725	529
Foil (a)	2,748	3,688	4,747	5,469	5,357	6,035
Aluminium sulphates ..	29,542	35,752	38,985	42,136	34,619	34,841
Ghana—						
Bauxite	115,075	175,991	116,285	137,872	185,403	207,120
Southern Rhodesia—						
Ingots, blocks and rods	41	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Union of South Africa—						
Aluminium sulphates ..	1,290	1,014	201	188	94	363
Canada—						
Blocks, bars and ingots	410,439	418,298	455,921	454,459	427,384	431,185
Scrap	12,012	12,431	11,716	8,019	11,052	11,262
Sheets, rods, etc. .. .	15,515	15,577	11,523	6,320	11,244	15,527
Foil	437	491	803	405	210	153
Jamaica—						
Bauxite (b)	1,203,200	1,998,131	2,529,363	2,978,862	4,239,972	5,589,718
Alumina	28,732	106,366	183,969	213,321	435,752	373,108
British Guiana—						
Bauxite, dried	1,867,175	1,916,200	1,916,891	1,789,765	1,734,064	1,168,637
do. calcined	244,900	209,335	252,330	317,878	287,130	195,649
Hong Kong (re-exports)—						
Unwrought (a)	—	3	58	271	7	24
Scrap	6	108	191	267	94	229
Plates and sheets .. .	—	20	26	171	106	433
Foil	198	41	72	177	357	180
India—						
Bauxite	2,807	3,022	8,776	4,405	8,467	20,549
Aluminium sulphates ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	246	129
Malaya—						
Bauxite	136,161	167,290	259,442	251,853	340,624	246,605
Unwrought (c) (a) .. .	2	26	—	16	10	10
Plates and sheets (c) (a)	371	269	357	326	218	138
Bars, rods, wire, foil,						
(c) (a)	15	11	3	7	7	17
Aluminium sulphates (c)	731	1,051	381	211	477	242
Australia (d) —						
Bauxite	51	26	—	—	—	—
Pigs, ingots, etc. (a) ..	638	182	—	—	764	1
Scrap (a)	49	773	120	59	118	130
Bars and sheets (a) .. .	28	66	29	31	20	109
Aluminium sulphates ..	18	49	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
Austria—						
Bauxite	8,559	9,237	8,406	6,962	6,765	8,516
Crude (a)	25,823	20,911	24,974	24,002	22,524	31,695
Scrap	2,309	2,125	1,956	2,469	3,240	4,681
Sheets, rods, wire, foil,						
etc.	4,043	6,353	5,116	7,786	7,224	6,300

(a) Including alloys.

(c) Including re-exports.

(b) Bauxite containing 8-14% free moisture.

(d) Years ended June 30 of that stated.

EXPORTS OF ALUMINIUM, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.—						
Alumina and hydrates ..	4	3	23	1	1	1
Crude	521	1,661	836	577	421	738
Scrap	200	257	170	110	387	2,586
Bars, sheets, wire ..	3,060	3,849	6,215	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Aluminium sulphates ..	16,275	22,692	26,708	28,487	18,097	16,407
Denmark—						
Refined cryolite ..	22,827	19,505	17,942	18,930	21,638	20,655
Crude	85	19	248	49	22	224
Scrap	505	292	343	197	290	298
Sheets, wire, foil, etc. ..	305	59	101	130	103	132
France—						
Bauxite	272,540	312,748	345,628	320,109	320,232	303,794
Cryolite	7	—	—	—	3	79
Alumina	61,703	72,256	79,595	96,325	113,738	172,215
Aluminium hydrates ..	4,466	7,223	12,594	8,631	11,136	7,677
Ingots	38,018	16,435	21,957	12,962	13,169	39,359
do. alloys	4,994	1,961	8,113	1,824	2,772	9,630
Scrap	13	63	386	452	448	1,321
Bars, sheets, wire, etc. ..	2,746	2,704	4,256	2,519	2,870	4,626
do. alloys	1,649	816	1,725	2,861	2,460	4,222
Foil	300	324	306	535	692	1,319
Powder	81	63	90	42	122	186
Aluminium sulphates ..	9,355	9,477	5,403	5,479	6,489	6,283
Germany (Federal)—						
Bauxite and cryolite ..	11	315	60	21	74	165
Alumina	62,478	90,642	76,374	71,506	75,987	84,749
Aluminium hydrates ..	9,508	14,169	16,348	17,809	17,941	18,631
Crude and scrap (a) ..	25,019	12,102	611	1,544	7,110	4,273
Bars, sheets, wire, etc. ..						
(a)	6,220	8,710	11,863	12,010	10,993	12,698
Foil	5,370	6,189	6,693	8,172	8,561	9,669
Powder	468	844	1,037	1,072	1,086	1,562
Aluminium sulphates ..	23,546	27,721	38,579	36,471	39,567	<i>n.a.</i>
Greece—						
Bauxite	309,447	337,653	471,114	658,874	769,024	823,242
Hungary—						
Bauxite	759,026	770,636	545,439	369,674	459,418	529,979
Alumina	70,261	63,159	77,806	87,238	88,097	85,424
Italy—						
Alumina	32,220	27,283	34,569	40,130	38,389	53,098
Aluminium hydrates ..	1	5	560	1,087	16	637
Crude	3,052	11,401	4,549	3,132	1,058	8,874
Bars, sheets, wire (a) ..	1,169	1,346	2,661	3,340	2,988	4,640
Foil	10	34	203	163	395	445
Aluminium sulphates ..	3,564	4,595	5,481	3,381	2,152	4,470
Netherlands—						
Crude (a)	537	427	3,585	652	654	2,207
Scrap	2,311	1,778	1,250	1,398	1,567	4,123
Bars, sheets and wire ..	227	800	777	1,196	901	1,946
Foil	93	103	141	231	279	239
Norway—						
Alumina	—	31	3	4	5	—
Crude (a)	47,811	45,657	60,463	78,259	71,054	108,086
Scrap	255	297	109	134	96	124
Sheets etc.	1,275	2,695	2,544	3,902	3,582	3,838

(a) Including alloys.

EXPORTS OF ALUMINIUM, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Crude	159	2,646	588	706	459	3,042
Sheets, tubes and wire..	216	585	2,691	2,391	3,510	2,979
Scrap	1,873	702	821	308	2,482	2,524
Aluminium sulphates ..	6,562	7,937	8,687	7,506	9,426	9,598
Switzerland—						
Blocks, ingots, etc. and scrap	8,324	7,659	4,523	2,709	2,927	8,522
do. (alloys)	2,270	2,363	2,624	2,044	2,551	3,856
Bars, sheets, tubes and wire	2,868	1,369	1,243	1,120	997	1,010
do. (alloys)	2,985	2,605	2,284	2,499	2,333	2,766
U.S.S.R.—						
Cryolite	<i>n.a.</i>	<i>n.a.</i>	1,900	1,300	1,000	100
Crude (a)	<i>n.a.</i>	<i>n.a.</i>	40,900	59,000	84,100	113,100
Yugoslavia—						
Bauxite	458,178	553,219	647,951	668,754	688,916	583,019
Alumina and hydrates..	2,888	4,329	19,605	13,594	12,502	3,592
Crude	—	—	2,798	2,595	2,541	5,384
Scrap	1,292	844	297	528	1,262	1,274
Bars, rods and wire ..	—	—	381	490	574	2,393
Plates and sheets ..	—	39	12	127	1,639	3,428
Algeria—						
Ingots	—	—	—	9	—	—
Scrap	261	158	278	325	353	355
Cameroon (French)—						
Ingots	—	—	—	—	6,763	27,398
Guinea—						
Bauxite	r 369,771	r 460,365	r 441,911	r 449,844	369,436	259,503
Mozambique—						
Bauxite	2,131	2,105	1,763	2,688	4,477	2,916
Greenland—						
Cryolite	44,419	52,687	41,131	38,276	48,515	40,323
Haiti—						
Bauxite	—	—	—	—	(b) 318,345	(b) 389,000
United States—						
Bauxite, etc.	27,907	16,174	14,117	14,921	60,993	11,868
Cryolite	117	77	154	191	148	147
Ingots and alloys	2,121	3,611	5,329	r 30,909	24,984	47,064
Scrap	4,090	35,123	16,331	17,258	16,219	16,880
Plates, sheets, bars, etc.	6,932	5,402	7,150	11,154	12,291	8,199
Foil	229	211	485	380	791	264
Aluminium sulphates ..	12,833	12,950	17,495	14,402	17,580	8,807
Brazil—						
Bauxite	591	118	3,255	16,569	3,115	3,445
Surinam—						
Bauxite	3,225,244	3,371,891	3,011,672	3,427,564	3,324,649	2,820,000
Formosa—						
Ingots	1,897	2,334	3,111	3,926	3,269	1,874
Indonesia—						
Bauxite	159,918	242,882	258,623	308,301	253,815	385,544
Japan—						
Cryolite	—	447	—	—	—	101
Ingots, etc.	8,392	8,294	14,060	2,687	235	4,340
Bars, rods, plates, tubes and wire	2,841	5,620	9,665	5,966	3,575	5,515
Scrap	—	—	—	—	2	—
Foil	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	580	675	828
Aluminium sulphates ..	1,933	4,127	2,313	2,424	2,632	3,997

(a) May include some foreign produce.

(b) Including shipments from stockpile built up during development period.

IMPORTS OF ALUMINIUM, ETC.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Bauxite	268,764	370,372	328,058	315,030	354,460	350,742
Cryolite	2,262	3,766	3,403	2,232	2,203	3,622
Alumina	3	14	30	42	280	239
Ingots, etc.	178,799	190,597	247,185	211,351	184,375	186,311
do. alloys	9	29	11,295	20,940	6,818	24,011
Scrap (a)	526	299	459	339	623	1,594
Bars, sheets, tubes, etc. (a)	108	180	590	517	656	2,272
Foil (a)	228	457	669	543	857	1,176
Ghana—						
Sheets	<i>n.a.</i>	693	1,084	958	1,118	733
Kenya (a)—						
Unwrought and scrap	59	397	414	331	691	1,053
Bars, sheets, rods, etc.	1,079	2,355	1,142	42	58	37
Mauritius (a)—						
Bars, sheets, wire, etc.	87	35	77	185	178	200
Nigeria—						
Sheets	<i>n.a.</i>	1,083	1,764	1,780	2,084	1,508
Northern Rhodesia—						
Ingots, bars and sheets	374	(e)	(e)	(e)	(e)	(e)
Sierra Leone—						
Sheets	<i>n.a.</i>	49	31	98	100	99
Southern Rhodesia—						
Ingots, bars and sheets	5	(f) 203	(f) 386	(f) 590	(f) 715	(f) 600
Foil	31	(f) 45	(f) 47	(f) 94	(f) 57	(f) 76
South West Africa—						
Ingots, bars, sheets, etc.	17	6	(g)	(g)	(g)	(g)
Tanganyika (a)—						
Bars, sheets, rods, etc.	369	488	462	37	11	7
Uganda (a)—						
Bars, sheets, rods, etc.	1,281	896	1,120	40	2	2
Union of South Africa—						
Ingots, blocks, and pigs	2,477	3,702	(h) 5,181	(h) r 4,510	(h) 6,575	(h) 6,760
Sheet, wire, foil, etc. . .	548	446	(h) 791	(h) 1,572	(h) 2,039	(h) 1,425
Aluminium sulphates ..	114	625	(h) 2,704	(h) 3,132	(h) 3,863	(h) 3,286
Barbados—						
Bars, sheets, tubes, wire	(£345)	(£13,788)	(£9,638)	(£8,176)	22	43
Canada—						
Bauxite	d 2,400,415	b 2,638,767	b 2,582,227	b 2,115,296	b 2,026,327	b 1,934,371
Cryolite	75	3,977	3,038	16,348	14,212	6,102
Alumina	269	(c) 5,964	(c) 178,403	(c) 196,880	(c) 241,628	(c) 134,615
Ingots, rods, sheets, etc.	5,789	3,587	4,763	14,544	11,481	17,290
Scrap	111	85	127	1,130	221	220
Leaf and foil	(£135,113)	(£113,473)	(£354,479)	(£332,394)	(£350,091)	(£364,828)
Powder	124	262	195	212	323	136
Aluminium sulphates ..	13,513	15,923	13,925	12,371	14,394	6,355
Trinidad and Tobago—						
Aluminium sulphates ..	147	118	216	521	1,847	303
British Guiana—						
Sheets, etc. (a)	<i>n.a.</i>	156	272	207	484	168
Aluminium sulphates ..	<i>n.a.</i>	148	350	321	343	424
Ceylon—						
Sheets	132	182	374	1,121	394	1,101
Foil	352	591	357	268	371	405
Hong Kong (i)—						
Bauxite	<i>n.a.</i>	49	177	152	169	315
Unwrought (a)	727	644	1,336	1,294	1,596	2,572

(a) Including alloys.

(b) Bauxite and alumina for refining.

(c) Bauxite and alumina for other purposes.

(d) May include some alumina.

(e) See under Southern Rhodesia.

(f) Federation of Rhodesia and Nyasaland.

(g) Included with Union of South Africa.

(h) Including South West Africa.

(i) Total imports.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (a) (cont.)—						
Scrap	49	12	9	24	5	56
Plates, sheets, and wire	715	736	1,623	2,094	744	945
Bars, rods, pipes, tubes	491	226	72	169	117	113
Foil	411	175	343	362	891	242
India—						
Cryolite	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	590	1,649
Alumina	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	592	59
Ingots, blocks, bars, etc.	617	1,871	5,566	2,818	17,902	16,196
Sheets, circles and tubes	658	1,292	1,063	1,708	1,991	1,133
Scrap	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,815	126
Foil	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	647	849
Aluminium sulphates ..	742	281	310	273	314	293
Malaya (a)—						
Unwrought (d)	9	2	9	2	4	1
Plates and sheets (d) ..	1,733	2,352	2,214	3,348	1,974	973
Bars, rods, pipes, tubes and wire (d) ..	100	70	196	417	328	489
Foil (d)	116	138	199	156	196	204
Aluminium sulphates ..	1,564	1,816	1,169	3,578	3,064	4,432
Pakistan—						
Ingots, blocks, bars, etc.	(c) 1,818	(c) 598	(c) 859	1,119	9,414	1,551
Sheets and circles ..	(c) 351	(c) 530	(c) 1,000	921	1,530	757
Aluminium sulphates ..	(c) 1,272	(c) 2,295	(c) 3,157	1,304	1,440	6,556
Sarawak—						
Unwrought (d)	<i>n.a.</i>	—	300	1	—	—
Bars, sheets, wire etc. (d)	115	195	148	75	54	72
Aluminium sulphates ..	25	36	7	155	79	72
Australia (b) —						
Bauxite	—	—	9,337	28,716	35,169	55,575
Cryolite	196	161	88	145	1,257	1,446
Alumina	<i>n.a.</i>	<i>n.a.</i>	50	54	32	38
Aluminium hydrates ..	<i>n.a.</i>	<i>n.a.</i>	484	745	598	708
Pigs, ingots, blocks (d) ..	6,285	9,248	12,763	12,032	10,396	10,189
Bars, sheets, tubes (d) ..	2,413	1,673	3,094	2,953	2,802	2,572
Wire (d)	331	6	6	64	51	54
Leaf and foil	706	1,319	1,643	1,955	1,949	2,454
Powder	<i>n.a.</i>	366	417	491	432	457
New Zealand—						
Ingots, etc.	458	568	r 579	288	388	817
Bars, sheets, tubes, etc. do. (alloys)	803	1,048	r 1,983	r 1,465	1,659	2,466
Wire (J)	433	412	r 65	r 75	120	64
Leaf and foil	31	22	r 324	r 380	385	768
Aluminium sulphates ..	165	266	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Aluminium sulphates ..	677	1,165	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Irish Republic—						
Bars, sheets, wire, etc. (d)	1,102	2,199	2,912	3,596	2,929	3,147
Foil (d)	464	520	541	437	573	636
Aluminium sulphates ..	2,313	3,329	3,288	3,643	3,368	3,966
OTHER COUNTRIES						
Austria—						
Bauxite	1,011	7,167	6,631	964	5,522	6,076
Cryolite	1,787	1,391	1,311	207	280	203
Alumina	80,601	104,476	101,086	123,028	104,430	99,207
Aluminium hydrates ..	2,382	2,750	3,254	3,296	3,147	3,306
Crude, scrap and alloys	80	56	154	130	208	384
Sheets, rods, wires, etc.	11	46	70	101	134	414
Aluminium sulphates ..	90	119	36	119	90	118

(a) Total imports.

(b) Years ended June 30 of that stated

(c) Years ended March 31 of year following that stated

(d) Including alloys.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.—						
Bauxite	1,448	1,204	1,184	2,357	1,465	1,520
Alumina	149	918	211	229	262	463
Aluminium hydrates	8,022	10,035	11,580	10,010	8,654	8,645
Crude	12,309	17,656	24,135	31,094	25,194	38,465
do. alloys	232	416	2,493	1,458	2,116	2,939
Scrap	560	463	1,228	1,539	2,363	2,446
Bars, sheets, wire, foil, etc.	1,238	1,742	1,487	1,801	1,837	1,506
Aluminium sulphates	901	1,282	1,335	744	557	172
Denmark—						
Bauxite	—	255	1,210	1,066	703	576
Crude cryolite	27,602	41,037	32,983	27,753	(b) 33,000	(b) 28,000
Crude	2,931	2,909	4,687	3,136	3,665	4,252
Scrap	228	236	223	154	686	731
Bars, sheets, tubes and wire (a)	1,289	1,773	1,724	2,107	2,675	2,434
Leaf	484	477	592	797	576	1,071
Powder	32	62	53	57	94	58
Aluminium sulphates	2,794	3,292	3,601	3,996	3,318	3,993
Finland—						
Alumina	58	37	68	81	53	180
Crude	1,606	1,128	2,703	2,766	2,571	4,661
Bars, sheets and wire	1,769	2,650	5,182	5,719	5,569	4,464
Foil	193	323	526	505	609	419
Powder	217	238	258	314	371	229
Aluminium sulphates	11,150	18,023	18,195	20,772	20,823	21,961
France—						
Bauxite	3,623	11,847	10,224	19,392	23,166	38,625
Cryolite	1,768	1,209	1,314	1,532	1,341	2,540
Alumina	2	2	6	15	104	265
Aluminium hydrates	27	8	19	52	25	22
Ingots	345	1,565	1,046	6,918	8,687	28,654
Scrap	115	236	266	305	137	36
Sheets, bars and wire	846	723	389	186	121	328
Foil	200	277	729	1,491	719	408
Aluminium sulphates	—	—	21	19	17	2
Germany (Federal)—						
Bauxite	867,328	1,024,648	1,111,624	1,291,409	1,236,567	1,055,234
Cryolite	2,362	3,023	3,295	2,943	1,807	1,586
Alumina	—	31	2,178	99	69	403
Crude and scrap (a)	22,066	53,436	79,397	61,309	58,224	94,944
Bars, sheets, wire, etc. (a)	1,858	1,230	600	1,368	866	1,261
Foil	58	103	299	244	107	135
Germany (East)—						
Alumina, calcined	3,397	4,458	7,856	15,347	41,852	18,141
Greece—						
Crude	r 613	r 994	r 1,252	1,165	1,294	1,829
Foil	116	175	r 175	257	312	379
Aluminium sulphates	295	370	300	n.a.	n.a.	n.a.
Hungary—						
Crude	4,417	—	1,570	200	10,970	1,890
Italy—						
Bauxite	93,922	100,512	98,084	109,095	259,767	180,758
Cryolite	2,505	1,330	589	689	494	394
Alumina	46	49	63	40	90	148
Aluminium hydrates	37	44	171	673	510	83
Crude	3,590	3,103	5,284	9,331	12,343	4,465
do. alloys	4,272	1,804	895	2,504	4,668	962
Scrap	7,603	12,070	5,048	7,390	10,244	8,320
Bars, sheets and wire (b)	1,322	717	1,589	791	560	581

(a) Including alloys.

(b) Estimated.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Italy (cont.)—						
Foil	374	488	560	711	869	1,395
Aluminium sulphates ..	330	301	464	840	246	243
Netherlands—						
Bauxite	104	101	880	4,257	5,891	7,938
Cryolite	81	163	124	169	222	120
Alumina and hydrates ..	2,104	3,240	4,485	5,138	5,200	5,447
Crude and alloys	6,076	8,075	11,220	9,879	8,312	8,933
Scrap	38	205	261	347	570	989
Bars, sheets, wire, etc.	6,109	5,403	6,240	7,559	6,137	6,276
Foil	1,166	1,344	1,764	1,958	1,798	1,685
Aluminium sulphates ..	8,958	10,162	9,597	10,152	11,064	12,290
Norway—						
Bauxite	26,239	31,557	25,778	35,042	28,104	36,083
Cryolite	5,371	2,482	3,110	3,021	4,196	6,099
Alumina	76,670	121,138	137,683	142,102	190,937	193,623
Crude	2,250	1,061	71	1,095	127	1,557
Sheets and tubes	612	760	1,212	1,039	1,310	1,340
Foil	34	72	98	113	144	139
Aluminium sulphates ..	6,929	8,709	10,873	9,262	8,617	9,560
Portugal—						
Cryolite	8	16	21	13	33	15
Powder	104	99	100	105	93	76
Ingots, sheets and wire	1,294	1,912	1,916	2,770	2,504	2,647
Aluminium sulphates ..	916	1,426	1,783	1,887	2,012	2,153
Spain—						
Bauxite	5,759	11,083	10,271	21,559	18,617	17,544
Alumina	8,728	11,690	17,984	26,037	31,067	40,614
Ingots and scrap	2,719	2,708	2,297	2,901	5,053	10,921
Sheets, tubes and wire ..	537	1,732	434	191	117	404
Powder	15	26	15	11	11	15
Sweden—						
Bauxite	16,597	23,798	22,572	23,616	7,963	3,174
Cryolite (including artificial)	769	1,379	1,617	1,028	1,260	775
Alumina	17,572	16,222	23,724	26,509	27,296	18,529
Crude	14,448	15,165	18,626	19,456	15,768	20,639
Scrap	216	103	64	343	93	5
Sheets, tubes and wire	1,970	4,782	4,737	5,949	5,952	5,709
Aluminium sulphates ..	66	1,002	6,213	5,432	684	309
Switzerland—						
Alumina, etc.	54,966	58,281	64,688	59,192	61,840	59,575
Blocks, ingots, etc., and scrap	3,306	8,714	9,684	9,396	10,012	6,923
do. (alloys)	73	610	356	178	197	96
Bars, sheets, tubes and wire	95	92	30	191	92	1,414
do. (alloys)	24	91	240	125	159	101
U.S.S.R. (a)—						
Bauxite (c)	<i>n.a.</i>	<i>n.a.</i>	119,500	300,900	398,400	443,000
Crude	<i>n.a.</i>	<i>n.a.</i>	6,900	9,500	—	—
Yugoslavia—						
Cryolite	257	1,383	1,123	1,211	907	951
Crude	—	571	274	1,024	1,582	—
Sheets, tubes, wire, etc.	259	244	723	214	171	123
Foil	15	8	27	18	47	117
Algeria—						
Bauxite	6,889	1,968	1,575	2,362	2,953	1,575
Ingots, sheets, wire, etc.	708	1,229	1,177	1,237	1,011	891
Aluminium sulphates ..	731	850	778	677	810	815
Angola—						
Bars and sheets	46	55	106	29	95	102
Aluminium sulphates ..	107	256	129	227	335	207

(a) Total imports.

(b) Including alloys.

(c) Imports from Greece.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Belgian Congo—						
Cryolite	22	10	20	35	59	50
Alumina and hydrates	103	30	73	233	197	148
Bars, sheets and wire	1,151	1,172	1,676	1,640	1,774	1,692
Foil	<i>n.a.</i>	<i>n.a.</i>	9	55	59	69
Aluminium sulphates	1,064	578	1,107	1,276	669	1,612
Egypt—						
Crude and scrap	12	12	68	129	216	647
Bars, sheets, tubes and wire	732	941	1,279	792	550	965
Foil	134	262	254	291	402	434
Aluminium sulphates	7,557	7,167	9,427	8,746	<i>n.a.</i>	<i>n.a.</i>
Morocco—						
Bauxite	358	1,026	1,650	1,458	—	—
Ingots and scrap	34	63	91	30	44	37
Bars, sheets and wire	166	315	649	400	483	580
Foil	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	155	67	161
Aluminium sulphates	1,093	1,633	861	1,945	501	1,209
Mozambique—						
Bars, sheets, wire	28	49	45	68	68	82
Tunisia—						
Ingots and scrap	76	10	11	18	7	39
Aluminium sulphates	212	<i>r</i> 107	<i>r</i> 304	377	107	316
Costa Rica (a)—						
Bars, sheets, foil, etc.	68	15	193	155	214	280
Cuba (a)—						
Ingots and bars	222	187	425	410	760	<i>n.a.</i>
Sheets, tubes, wire	760	839	1,186	1,304	1,698	<i>n.a.</i>
Aluminium sulphates	1,525	2,128	4,954	1,707	1,168	<i>n.a.</i>
Guatemala (a)—						
Aluminium sulphates	614	318	579	789	1,052	999
Mexico (a)—						
Bauxite, calcined	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	—	2,167	3,695
Alumina and hydrates	1,257	1,397	2,053	4,604	5,152	3,517
Ingots	4,969	4,514	7,865	7,878	8,690	12,208
Bars, sheets, wire, etc.	1,443	1,405	3,080	461	278	247
Aluminium sulphates	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	661	856	830
United States—						
Bauxite, crude dried	4,230,082	4,988,122	4,882,493	5,669,833	7,098,000	7,919,000
do. calcined	91,606	99,421	107,694	<i>r</i> 148,676	67,222	29,515
Cryolite	26,301	18,876	19,625	20,645	29,207	21,506
Aluminium hydrates	1,100	2,347	3,151	3,487	1,592	47,943
Crude and alloys	268,685	192,188	158,618	193,215	198,355	227,966
Scrap	23,769	13,254	36,474	23,207	14,527	8,859
Sheets, bars, etc.	28,510	12,192	18,725	20,162	17,530	24,950
Foil (b)	812	819	1,569	1,476	1,564	2,474
Aluminium sulphates	1,801	3,516	4,721	3,159	2,908	3,289
Argentina—						
Bauxite	—	1	2,638	17,138	12,598	26,574
Ingots and sheets	3,600	15,893	14,536	19,533	12,402	12,933
Aluminium sulphates	75	612	—	—	—	—
Brazil (a)—						
Cryolite	105	734	313	1,108	645	944
Alumina	205	302	262	106	193	15
Ingots	7,275	14,955	6,348	12,548	12,492	13,885
Bars, sheets, tubes, wire	3,933	1,926	300	1,029	586	437
Scrap	—	—	—	889	—	1
Foil	695	133	15	3	96	116
Aluminium sulphates	3,735	6,701	2,873	524	11	46

(a) Total imports.

(b) Excluding leaves 5½ in. by 5½ in. recorded by number only.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Chile—						
Ingots	157	665	1,046	<i>n.a.</i>	779	<i>n.a.</i>
Bars, sheets and alloys	354	563	480	399	126	<i>n.a.</i>
Aluminium sulphates ..	26	8	14	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Ingots and plates	1,028	1,535	1,449	1,804	1,175	2,210
Bars, sheets and wire ..	356	305	394	848	518	234
Foil	295	295	403	603	465	387
Aluminium sulphates ..	3,667	6,734	7,198	8,041	7,591	4,788
Ecuador—						
Bars, sheets, etc. ..	119	108	180	9	57	90
Aluminium sulphates ..	44	451	575	979	596	672
Peru—						
Ingots and scrap (c) ..	9	54	74	86	178	<i>n.a.</i>
Bars, sheets and wire (c)	621	651	887	933	910	<i>n.a.</i>
Aluminium sulphates ..	2,456	2,495	2,505	2,068	2,086	<i>n.a.</i>
Uruguay—						
Ingots, sheets, etc. ..	290	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	806	1,342
Aluminium sulphates ..	4,116	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	4,661	2,943
Venezuela (a)—						
Crude	22	224	<i>n.a.</i>	78	41	433
Aluminium sulphates ..	1,128	989	2,316	1,990	3,905	3,598
Formosa—						
Bauxite	9,224	44,681	25,415	36,146	41,277	40,636
Foil	206	236	264	175	168	3
Indonesia—						
Bars and sheets ..	580	775	2,371	921	1,716	1,711
Aluminium sulphates ..	3,460	2,663	9,947	5,089	2,454	7,199
Iran (b)—						
Ingots, sheets, scrap, etc.	365	745	<i>n.a.</i>	754	1,027	<i>n.a.</i>
Aluminium sulphates ..	6	119	<i>n.a.</i>	54	54	<i>n.a.</i>
Iraq—						
Bars, sheets, wire, etc. .	641	941	1,408	r 1,250	1,076	<i>n.a.</i>
Aluminium sulphates ..	633	1,026	1,477	3,882	963	<i>n.a.</i>
Israel—						
Ingots, bars, sheets, etc.	589	904	1,786	2,320	1,338	2,585
Foil	94	137	127	180	218	95
Aluminium sulphates ..	118	—	44	468	617	617
Japan—						
Bauxite	243,450	289,516	337,890	397,528	484,951	509,054
Cryolite	1,598	901	21	1,162	1,703	492
Ingots, blocks, etc. .	727	1,354	2	2,484	8,994	400
Scrap	3,965	3,285	810	3,938	6,967	3,404
Lebanon—						
Ingots, etc.	364	474	851	629	359	182
Philippine Republic—						
Bars, sheets, wire (c) ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	2,312	2,118	1,751
Foil	280	470	<i>n.a.</i>	495	338	141
Aluminium sulphates ..	1,118	3,148	763	2,468	4,142	4,112
Syria—						
Ingots, etc.	177	305	183	92	<i>n.a.</i>	243
Aluminium sulphates ..	43	107	<i>n.a.</i>	71	<i>n.a.</i>	<i>n.a.</i>
Thailand (a)—						
Ingots	261	372	318	268	277	78
Bars, sheets, tubes and wire (c)	2,048	1,248	1,328	1,386	1,758	1,453
Foil			228	233	274	285
Aluminium sulphates ..	<i>n.a.</i>	<i>n.a.</i>	1,058	1,489	1,705	1,280
Turkey—						
Bars, sheets and wire (c)	2,665	1,724	1,148	381	178	198
Aluminium sulphates ..	1,898	2,117	2,609	2,850	1,899	1,396

(a) Total imports.

(b) Years ended March 20 of the year following that stated.

(c) Including alloys.

ANTIMONY
PRODUCTION OF ANTIMONY ORE
(Metal content)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Southern Rhodesia ..	30	67	211	65	79	143
Union of South Africa ..	2,687	8,522	13,964	14,004	9,838	7,122
Canada (a)	—	—	—	—	—	—
Australia (b)	213	117	307	287	485	693
New Zealand (e)	12	—	—	—	—	—
OTHER COUNTRIES						
Austria	485	383	440	437	508	616
Czechoslovakia (f) ..	1,600	1,600	1,600	1,600	1,600	1,600
France	310	—	92	230	—	—
Greece (e)	600	500	—	—	—	—
Italy	415	r 291	359	280	116	169
Portugal	1	9	—	—	10	6
Spain	232	106	205	230	200	210
Yugoslavia (c) (e)	1,810	1,527	1,580	1,578	1,741	1,639
Algeria	1,783	2,260	969	2,116	1,381	987
Morocco (Southern) ..	57	383	312	—	} 385	217
Morocco (Northern) ..	292	285	344	280		
Guatemala	—	—	—	—	13	—
Mexico	4,219	4,116	3,757	4,484	5,120	2,704
United States (d) ..	332	684	565	r 562	633	629
Argentina	n.a.	n.a.	6	2	7	—
Bolivia (g)	5,693	5,136	5,273	5,026	6,249	5,159
Peru	948	832	857	954	821	860
Burma	116	—	3	2	18	7
China (f)	10,000	11,000	12,000	r 12,800	13,700	14,700
Japan	316	261	319	553	424	266
Thailand	45	69	24	37	2	—
Turkey	849	878	1,099	(e) 1,000	n.a.	n.a.
TOTAL*	33,000	39,000	44,000	r 47,000	44,000	39,000

*Excluding antimony ore known to have been produced in Hungary, U.S.S.R., Afghanistan and Iran.

(a) The following figures represent the antimony content of antimonial lead and of flue dust and slags (long tons): 1953—664; 1954—581; 1955—903; 1956—956; 1957—607; 1958—413.

(b) In addition the antimony content of antimonial slag obtained as a by-product of lead refining was as follows (long tons): 1953—578; 1954—614; 1955—615; 1956—616; 1957—724; 1958—665.

(c) Metal.

(d) Secondary metal was recovered as follows (long tons): 1953—19,964; 1954—19,962; 1955—21,162; 1956—21,523; 1957—20,147; 1958—(e)17,100.

(e) Estimated.

(f) United States Bureau of Mines' estimate.

(g) Exports.

EXPORTS OF ANTIMONY, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom— Regulus and refined ..	1,049	1,591	1,433	1,839	1,968	824
Southern Rhodesia— Ore	28	536	135	237	211	137
Union of South Africa— Ore	7,786	14,588	20,236	20,377	12,381	14,519
Canada— Antimonial lead (Sb content)	167	311	703	471	301	281
Hong Kong (re-exports)— Ore	1	1	7	126	176	751
Sarawak— Ore	—	—	—	10	—	—
Australia (a)— Ore and concentrates ..	143	52	n.a.	n.a.	n.a.	n.a.
Regulus	n.a.	10	13	1	5	133
OTHER COUNTRIES						
Austria— Ore	709	602	562	629	810	937
Belgium-Luxemburg E.U.— Oxide	683	872	579	417	700	751
France— Ore	11	1	1	—	5	—
Crude and regulus ..	722	298	386	256	127	160
Oxide	37	14	22	n.a.	n.a.	n.a.
Germany (Federal)— Ore	—	—	6	—	—	—
Regulus, scrap, etc. ..	2	67	113	164	154	149
Oxide	151	156	300	317	386	272
Italy— Regulus and scrap ..	—	—	—	—	133	65
Netherlands— Regulus	31	7	79	11	58	15
Portugal— Ore	—	—	38	—	20	—
Sweden— Ore	42	48	60	96	52	53
Regulus	—	14	7	14	3	14
U.S.S.R. (b)— Regulus	n.a.	n.a.	1,600	1,800	1,600	1,100
Yugoslavia— Regulus	1,214	1,182	1,297	1,384	1,344	1,574
Algeria— Ore	5,895	5,019	6,349	4,512	4,890	5,468
Morocco— Ore	739	1,871	1,557	906	844	—
Mexico— Ore	7,184	7,529	7,311	10,787	12,675	5,625
Concentrates	—	—	—	—	46	—
Regulus and refined ..	837	927	878	706	469	313
United States— Ore	—	—	7	28	57	42
Metal and alloys ..	23	39	182	30	3	35
Compounds	106	292	169	188	189	n.a.

(a) Years ended June 30 of that stated.

(b) May include some foreign produce.

EXPORTS OF ANTIMONY, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Bolivia—						
Ore (<i>Sb content</i>)	5,693	5,136	5,273	5,026	6,249	5,159
Regulus	<i>n.a.</i>	<i>n.a.</i>	1	5	24	35
Peru—						
Ore and metal (<i>Sb content</i>)	991	1,246	815	1,122	745	571
Japan—						
Regulus	17	3	3	18	9	3
Thailand—						
Ore	109	122	94	56	32	—
Turkey—						
Ore	1,011	1,919	1,168	1,875	2,834	2,509
Regulus	—	—	147	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

IMPORTS OF ANTIMONY, ETC.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ore and concentrates (b)	7,495	15,029	16,150	15,018	11,237	11,274
Southern Rhodesia—						
Refined and regulus ..	14	(d) 30	(d) 76	(d) 105	(d) 98	(d) 27
Union of South Africa—						
Refined and regulus ..	57	159	313	213	325	152
Canada—						
Regulus	772	912	607	805	801	361
Oxide	58	125	128	117	163	144
Hong Kong (a) ..						
Ore	—	—	1	2	106	897
India—						
Ore	n.a.	n.a.	n.a.	n.a.	342	935
Oxide	n.a.	n.a.	n.a.	n.a.	100	43
Sulphide	n.a.	n.a.	n.a.	n.a.	353	3
Australia (c)—						
Concentrates ..	270	656	1,355	532	530	103
Crude and regulus ..	15	19	n.a.	n.a.	n.a.	n.a.
New Zealand—						
Refined and regulus ..	57	82	110	84	96	165
Oxide	53	122	141	102	19	36
OTHER COUNTRIES						
Austria—						
Regulus	137	99	86	145	103	153
Belgium-Luxemburg						
E.U.—						
Regulus	12	18	41	144	107	146
Oxide	56	70	72	74	80	89
Denmark—						
Regulus	32	131	252	307	274	324
France—						
Ore	3,502	7,858	6,348	6,645	5,053	8,752
Crude and regulus ..	2	15	—	513	111	1
Oxide and sulphide ..	13	33	18	(e) 4	(e) 2	(e) 2
Germany (Federal)—						
Ore	991	1,799	2,020	1,125	1,419	1,305
Regulus, scrap, etc. ..	1,054	1,246	2,104	2,230	2,407	1,938
Oxide	68	136	99	106	124	159
Italy—						
Ore	6	37	—	—	102	352
Regulus and scrap ..	252	348	322	288	173	248
Oxide	308	269	349	245	191	208
Sulphide	10	12	13	12	14	15
Netherlands—						
Regulus	354	438	354	403	218	236
Oxide	351	475	530	519	503	461
Norway—						
Regulus	100	76	131	157	86	49
Portugal—						
Crude and alloys ..	27	28	31	43	47	55
Oxide	4	4	3	2	4	1
Sulphide	—	1	1	3	1	—
Spain—						
Sulphide	3	2	—	5	—	—

(a) Total imports.

(b) Including crude.

(c) Years ended June 30 of that stated.

(d) Federation of Rhodesia and Nyasaland.

(e) Sulphide only.

IMPORTS OF ANTIMONY, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Ore	91	92	108	223	113	31
Regulus	209	251	298	338	119	224
Switzerland—						
Regulus	152	143	226	199	145	342
U.S.S.R. (a)—						
Regulus	<i>n.a.</i>	<i>n.a.</i>	6,900	6,900	100	3,400
Algeria—						
Regulus	20	8	19	13	13	11
Morocco						
Regulus	16	31	21	21	16	20
Mexico (a)—						
Oxide and sulphide ..	11	6	20	(b) 15	(b) 23	(b) 19
United States—						
Ore (<i>Sb content</i>)	6,944	4,216	6,709	5,867	7,320	3,060
Crude	15	29	41	41	34	122
Regulus	2,332	2,502	3,274	3,858	4,832	3,823
Oxide	1,157	1,318	1,973	1,321	1,691	1,459
Argentina—						
Ore	241	582	561	530	669	1,369
Brazil (a)—						
Regulus	133	528	355	265	295	167
Oxide	33	51	22	42	46	27
Sulphide	23	165	127	187	124	92
Chile—						
Regulus	30	21	82	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Peru—						
Sulphides	1	2	4	—	1	<i>n.a.</i>
Uruguay—						
Regulus	3	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	39	13
Venezuela (a)—						
Regulus	20	13	<i>n.a.</i>	28	7	17
Indonesia—						
Regulus	32	25	205	57	84	79
Israel—						
Regulus	7	30	29	31	56	42
Japan—						
Ore and concentrates ..	2,642	2,331	1,849	3,855	3,064	2,278
Regulus	6	15	2	3	1	6
Philippine Republic—						
Regulus	5	22	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

(a) Total imports.

(b) Oxide only.

ARSENIC

PRODUCTION OF ARSENIC

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Southern Rhodesia—						
White arsenic	371	409	454	968	788	610
Canada—						
White arsenic (a) ..	627	527	702	799	1,651	1,004
OTHER COUNTRIES						
Belgium (b)—						
White arsenic	1,699	1,767	2,036	2,728	2,035	485
Finland—						
Concentrates (<i>As content</i>)	156	—	—	—	—	—
France—						
White arsenic	5,699	725	5,687	r 8,442	6,810	7,500
Germany (Federal) (b)—						
White arsenic, etc. ..	603	214	567	298	193	183
Greece—						
White arsenic	—	—	—	40	10	<i>n.a.</i>
Italy—						
Mispickel (<i>As content</i>) ..	760	438	761	484	743	499
White arsenic	1,146	1,199	1,193	1,047	970	657
Portugal—						
Arsenic oxide (d)	1,145	1,457	1,680	1,339	1,336	969
Spain—						
Arsenic oxide (e)	729	398	100	260	230	150
Sweden—						
White arsenic	—	8,548	11,387	9,975	9,940	9,119
Mexico—						
Ores (<i>As₂O₃ content</i>) ..	1,967	2,388	2,907	2,601	4,532	3,047
United States—						
White arsenic	9,708	11,756	9,625	10,894	9,369	10,275
Brazil—						
White arsenic	467	1,137	962	732	88	(c) 98
Peru—						
White arsenic	—	93	—	25	19	329
Japan—						
White arsenic	1,408	1,414	1,706	1,637	1,358	2,226

Arsenic is known to have been produced in the United Kingdom, Austria, Czechoslovakia, East Germany, Hungary, U.S.S.R., Argentina, China and Korea.

- (a) Refined white arsenic produced plus the content of crude arsenic exported but excluding arsenic contained in gold ores exported.
- (b) Exports.
- (c) United States Bureau of Mines' estimate.
- (d) Content of pyrites mined.
- (e) Content of ore.

EXPORTS OF ARSENIC, ETC.
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
White arsenic and other compounds of arsenic	1,120	1,491	3,372	4,388	3,727	3,123
Canada—						
White arsenic, etc. (a)	418	635	420	521	1,442	760
Australia (b)—						
Other compounds ..	76	59	—	—	—	—
OTHER COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Sulphide	76	73	117	120	72	128
White arsenic	1,699	1,767	2,036	2,728	2,035	485
Arsenates	84	115	104	279	146	7
France—						
White arsenic	1,576	3,005	5,898	4,417	4,210	5,660
Arsenate of lead	4	3	3	143	162	115
Other arsenates	125	380	145			
Germany (Federal)—						
White arsenic, etc.	603	214	567	298	193	183
Arsenates	995	800	619	794	346	376
Italy—						
White arsenic	108	422	111	27	5	9
Netherlands—						
Arsenates	132	68	218	41	65	—
Portugal—						
White arsenic	1,140	1,077	1,684	1,482	1,173	1,046
Sweden—						
White arsenic	3,959	7,997	8,367	7,322	8,683	14,939
Mexico—						
White arsenic, pure	3,907	3,318	4,898	5,221	3,056	1,689
do. crude	113	164	1,447	380	1,856	793
United States—						
Arsenate of lead	135	317	482	1,144	543	937
Arsenate of lime	1,737	882	842	280	1,241	569
Peru—						
White arsenic	—	—	—	—	—	n.a.
Turkey—						
Ore	2	5	2	n.a.	n.a.	n.a.

(a) Including arsenic contained in gold ores exported.

(b) Years ended June 30 of that stated.

IMPORTS OF ARSENIC, ETC.
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
White arsenic	1,450	4,869	6,082	5,550	3,293	6,873
Canada—						
Sulphide and white arsenic	14	—	—	7	1	—
Arsenate of lead	20	44	58	60	33	58
Arsenate of lime	106	73	252	5	36	38
India—						
Arsenic and its oxides ..	295	247	468	437	483	90
Pakistan—						
Arsenic and its oxides	(b) 16	(b) 76	(b) 14	1	5	14
Australia (a)—						
White arsenic	1,588	2,245	3,167	3,273	1,778	1,877
Arsenate of lead	6	17	9	8	4	1
Other compounds	11	27	11	10	—	—
New Zealand—						
White arsenic, etc.	81	177	211	137	128	165
Arsenate of lead	88	29	41	41	25	30
OTHER COUNTRIES						
Belgium-Luxemburg E.U.—						
White arsenic	39	86	52	99	252	273
Denmark—						
Arsenate of lead	14	28	8	1	1	1
France—						
Sulphide	5	12	5	—	—	3
Metallic arsenic	8	13	21	24	20	17
White arsenic	10	77	72	48	12	16
Arsenate of lead	8	4	—	n.a.	n.a.	n.a.
Germany (Federal)—						
White arsenic	1,734	1,697	2,510	2,183	1,830	2,645
Sulphide	32	29	21	25	15	19
Italy—						
White arsenic	304	625	357	516	253	288
Metallic arsenic	6	—	3	1	—	2
Netherlands—						
White arsenic	438	486	366	435	668	677
Arsenates	126	56	56	31	55	28
Portugal—						
Metallic arsenic	—	1	1	—	1	1
White arsenic	1	2	7	13	4	16
Arsenate of soda	—	—	—	—	—	3
Algeria—						
White arsenic	16	14	15	13	10	3
Sulphide	4	8	—	—	—	1
Arsenates	9	15	32	44	30	41
Belgian Congo—						
White arsenic	5	25	1	—	2	—
Arsenates and arsenites	15	5	42	70	154	142
Madagascar—						
Arsenates	9	7	7	5	8	12
Tunisia—						
Arsenates	4	—	1	—	1	—

(a) Years ended June 30 of that stated.

(b) Years ended March 31 of year following that stated.

IMPORTS OF ARSENIC, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
United States—						
Metallic arsenic	63	52	102	40	61	28
White arsenic	4,212	4,328	6,448	5,734	9,049	8,504
Sulphide	9	—	42	38	19	56
Arsenates of lime and soda	(b) 35	96	(b) 77	129	(b) 146	(b) 77
Argentina—						
Sulphide	2	6	—	—	—	—
White arsenic	1,097	962	813	514	1,422	894
Brazil (a)—						
White arsenic	1,019	950	1,971	969	778	730
Chile—						
White arsenic	37	20	76	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Arsenates	36	108	104	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
White arsenic	3	4	34	16	39	5
Uruguay—						
White arsenic	225	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	46	172
Arsenate of lead	109	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	174	8
Japan—						
Sulphide	27	37	30	16	19	<i>n.a.</i>
Turkey—						
Arsenic compounds ..	10	31	11	21	27	—

(a) Total imports.

(b) Arsenate of soda only.

ASBESTOS PRODUCTION OF ASBESTOS

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Bechuanaland						
Protectorate ..	455	902	1,274	1,210	1,412	2,022
Kenya (anthophyllite) ..	149	200	136	152	97	107
Nyasaland ..	—	—	5	—	—	—
Southern Rhodesia ..	78,338	71,395	93,983	106,226	117,968	113,496
Swaziland ..	26,878	26,913	29,119	26,674	27,435	22,554
Uganda ..	—	6	2	2	—	—
Union of South Africa—						
Amosite ..	34,159	41,002	44,930	44,729	50,712	62,297
Blue ..	33,667	39,059	43,609	55,435	66,832	69,812
Chrysotile ..	16,821	17,297	18,335	21,729	22,898	24,467
Anthophyllite ..	11	98	165	—	—	—
Tremolite ..	—	—	—	—	159	248
Canada (a)—						
Chrysotile ..	813,595	825,103	949,822	905,579	934,005	826,188
Crude ..	697	647	646	640	555	540
Fibre ..	291,375	291,654	352,764	350,878	360,729	305,859
Shorts and waste ..	521,523	532,802	596,412	554,061	572,721	519,789
Cyprus ..	14,179	13,669	13,666	13,728	13,418	14,727
India ..	718	389	1,397	1,230	1,706	1,162
Australia—						
Chrysotile ..	1,175	919	865	1,384	1,994	2,015
Crocidolite ..	3,795	3,794	4,487	7,286	11,104	11,887
New Zealand ..	—	—	154	329	206	405
Total ..	1,024,000	1,041,000	1,202,000	1,186,000	1,250,000	1,151,000
OTHER COUNTRIES						
Bulgaria ..	886	1,083	1,181	984	(c) 1,000	(c) 1,000
Finland ..	8,613	7,011	8,002	8,378	9,803	n.a.
France ..	9,243	10,500	12,000	12,000	14,000	n.a.
Greece ..	1	2	3	—	—	—
Italy ..	20,929	23,039	31,247	r 34,757	35,812	35,381
Portugal ..	93	27	50	31	57	88
Spain ..	—	158	—	—	—	—
U.S.S.R. (c) ..	300,000	335,000	400,000	400,000	400,000	490,000
Yugoslavia ..	3,689	3,212	3,844	3,718	5,471	5,322
Egypt ..	—	—	—	—	20	—
Madagascar ..	7	—	—	—	—	—
Morocco ..	535	533	563	339	118	—
Mozambique ..	—	175	269	180	136	177
United States (d) ..	48,621	42,519	r 38,007	36,886	38,976	39,267
Argentina ..	n.a.	n.a.	180	44	284	(c) 290
Bolivia (b) ..	723	30	—	56	109	—
Brazil ..	1,212	2,515	2,789	3,338	2,370	3,407
Venezuela ..	39	663	1,569	5,197	7,490	8,173
China (c) ..	n.a.	13,000	21,000	23,000	29,000	35,000
Formosa ..	—	146	361	105	239	42
Iran (e) ..	—	—	98	(c) 150	(c) 150	(c) 150
Japan—						
Chrysotile ..	4,014	6,124	6,190	8,601	11,173	9,989
Amphibole ..	—	51	—	251	606	—
Korea (South) ..	—	208	59	50	86	20
Turkey ..	—	44	231	566	89	749
Total* ..	r 400,000	r 450,000	r 500,000	r 500,000	600,000	650,000
WORLD'S TOTAL* ..	r 1,400,000	r 1,490,000	r 1,700,000	r 1,700,000	1,800,000	1,800,000

*Excluding asbestos known to have been produced in Czechoslovakia, Roumania and North Korea.

(a) Sales and shipments.

(b) Exports.

(c) United States Bureau of Mines' estimate.

(d) Sold or used by producers.

(e) Years ended March 20 following that stated.

EXPORTS OF ASBESTOS
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Fibre	3,229	3,891	3,785	} 6,442	5,959	5,199
Waste, incl. asbestic	866	919	968			
Packing, etc.	9,718	12,103	14,162	13,532	13,760	13,436
Cement products	130,039	109,809	127,050	131,053	105,947	69,858
Yarn and cloth	2,539	2,676	2,889	2,921	2,833	2,708
Other manufactures	7,315	9,625	12,499	13,780	13,044	12,574
Kenya—						
Crude	<i>n.a.</i>	54	42	42	5	65
Southern Rhodesia—						
Unmanufactured	63,954	(b) 72,475	(b) 82,569	(b) 96,287	(b) 95,953	(b) 84,804
Cement sheets	(£220,286)	(b)(£63,710)	(b)(£56,533)	(b) (£3,185)	(b) (£828)	(b) (£1,875)
Other manufactures	(£35,448)	(b)(£12,715)	(b) (£5,464)	(b)(£11,256)	(b) (£1,161)	(b) (£3,000)
Union of South Africa—						
Unmanufactured (a)	90,473	113,773	122,184	130,987	148,660	142,519
Sheets (£ S.A.)	(£118,952)	(£104,835)	(£100,733)	(£31,279)	(£32,055)	(£37,972)
Other manufactures (£ S.A.)	(£416,980)	(£253,321)	(£306,624)	(£250,965)	(£87,704)	(£48,501)
Canada—						
Crude	570	572	523	500	570	431
Fibre	282,668	279,325	326,768	336,646	351,171	284,179
Shorts and waste	501,164	512,717	567,197	523,497	568,403	489,167
Manufactured	(£211,278)	(£477,060)	(£1,055,370)	(£1,361,174)	(£701,529)	(£284,603)
Cyprus—						
Unmanufactured	9,200	18,163	12,843	12,504	11,886	13,118
India—						
Crude	59	70	546	116	71	139
Manufactured (by sea)	(£27,974)	(£67,922)	(£59,268)	(£51,367)	} 558	50
do. (by land)	—	569	2,001	326		
Malaya (incl. re-exports)—						
Sheets	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	7,205	5,548
Pipes	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	2,213	2,693
Other manufactures	17	36	22	32	30	108
Hong Kong (re-exports)—						
Unmanufactured	—	—	—	1	5	550
Manufactured	(£34,497)	(£44,543)	(£33,840)	(£33,506)	(£37,879)	(£13,711)
Australia (c)—						
Crude and fibre	1,631	2,298	3,287	6,859	11,644	10,002
Packing	(£12,158)	(£17,042)	(£8,266)	(£8,127)	(£31,498)	(£7,941)
New Zealand—						
Cement products (£N.Z.)	(£7,309)	(£3,383)	(£3,113)	(£3,913)	(£5,604)	(£3,337)
OTHER COUNTRIES						
Austria—						
Unmanufactured	—	5	6	—	—	3
Manufactured	73	146	116	88	137	490
Cement products	2,215	1,287	1,627	8,240	7,360	5,332

- (a) Including, if any, produce of Bechuanaland Protectorate and Swaziland.
 (b) Federation of Rhodesia and Nyasaland.
 (c) Years ended June 30 of that stated.

EXPORTS OF ASBESTOS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.—						
Unmanufactured ..	213	140	300	112	252	778
Manufactured ..	774	890	1,025	891	776	609
Cement products ..	95,504	92,856	115,742	149,389	122,594	113,603
Denmark—						
Unmanufactured ..	15	50	55	128	160	103
Manufactured ..	93	146	210	259	242	272
Cement products ..	689	987	3,479	1,425	4,963	6,555
Finland—						
Unmanufactured ..	2,968	3,878	4,467	4,923	6,992	5,985
Manufactured ..	432	862	735	442	391	342
France—						
Unmanufactured ..	3,013	4,926	2,592	1,917	3,630	3,005
Manufactured (a) ..	1,105	1,488	1,335	999	1,147	1,552
Cement products (b) ..	19,966	22,468	26,275	24,572	30,180	43,336
Germany (Federal)—						
Unmanufactured ..	163	440	172	224	271	108
Manufactured (a) ..	2,026	2,322	2,216	2,584	2,662	2,459
Cement products (b) ..	2,110	6,972	13,888	14,327	16,642	12,625
Italy—						
Unmanufactured ..	2,369	2,289	4,563	5,974	4,726	6,144
Manufactured (a) ..	137	260	243	346	356	439
Cement products (b) ..	16,809	11,468	15,271	32,379	34,407	25,810
Netherlands—						
Unmanufactured ..	5	22	49	66	25	16
Manufactured ..	245	542	733	1,032	1,095	1,193
Cement products ..	6,985	3,100	3,680	6,079	4,189	4,651
Portugal—						
Unmanufactured ..	23	30	16	6	31	40
Spain—						
Manufactured ..	r 69	r 62	92	r 149	101	120
Sweden—						
Unmanufactured ..	4	1	1	4	1	4
Manufactured ..	11	29	34	17	55	57
U.S.S.R.—						
Unmanufactured ..	<i>n.a.</i>	<i>n.a.</i>	66,000	88,100	101,800	115,600
Yugoslavia—						
Unmanufactured ..	99	107	1,975	3,679	4,536	5,016
Algeria—						
Cement products (b) ..	9,289	8,200	9,106	4,711	3,381	2,191
Egypt—						
Unmanufactured ..	50	141	109	60	—	22
Madagascar—						
Unmanufactured ..	5	—	—	—	—	—
Morocco—						
Unmanufactured ..	81	34	5	18	49	32
Cement products ..	4,010	5,078	3,739	5,907	4,230	5,168
Mozambique—						
Unmanufactured ..	2	91	268	58	369	322
United States—						
Unmanufactured ..	2,482	1,649	1,929	2,498	2,477	2,622
Spun, woven and packing ..	899	1,238	1,080	1,076	1,293	1,041
Brake linings ..	(£1,519,123)	(£1,644,276)	(£1,790,435)	(£1,921,625)	(£1,834,241)	(£1,641,444)
Clutch facings ..	(£320,543)	(£312,972)	(£332,472)	(£325,293)	(£374,277)	(£388,483)
Pipe covering and cement ..	1,929	1,869	2,714	2,020	3,145	2,727
Other manufactures ..	13,222	13,443	14,638	17,033	15,615	12,465

(a) Includes brake and clutch lining of material other than asbestos.

(b) Includes manufactures of other fibro-cements.

EXPORTS OF ASBESTOS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Bolivia—						
Unmanufactured ..	723	30	—	56	109	—
Colombia—						
Cement products ..	689	1,562	2,591	1,664	882	177
Peru—						
Manufactured ..	69	1	—	71	12	<i>n.a.</i>
Venezuela—						
Unmanufactured ..	68	301	799	4,224	5,995	6,826
Japan—						
Unmanufactured ..	89	19	23	24	30	16
Manufactured ..	231	338	1,015	525	632	570
Cement products ..	1,180	1,306	1,866	1,124	1,061	529
Lebanon—						
Cement products ..	<i>n.a.</i>	<i>n.a.</i>	1,884	3,000	3,754	6,324
Turkey—						
Unmanufactured ..	2	—	104	—	5	5

IMPORTS OF ASBESTOS

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Crude and fibre ..	98,958	110,040	121,886	124,505	112,341	109,765
Waste, including asbestic ..	10,380	13,802	22,490	21,635	24,638	21,566
Cement products ..	3,671	5,795	8,405	8,350	8,640	8,595
Other manufactures ..	507	94	141	234	863	1,028
Channel Islands—						
Manufactured ..	582	892	999	1,292	798	<i>n.a.</i>
Malta—						
Manufactured ..	(£4,919)	(£5,202)	(£4,695)	(£3,506)	(£4,941)	<i>n.a.</i>
Ghana—						
Cement sheets, pipes etc.	<i>n.a.</i>	18,360	21,347	18,888	14,240	11,958
Kenya—						
Manufactured ..	2,953	2,228	4,400	5,418	5,103	3,130
Mauritius—						
Sheet and millboard ..	165	66	56	264	326	108
Other manufactures ..	158	36	(£59,418)	600	305	613
Nigeria—						
Cement sheets, pipes etc.	<i>n.a.</i>	10,762	23,332	18,702	20,373	18,274
Northern Rhodesia—						
Cement sheets, pipes, etc. ..	(£397,595)	(c)	(c)	(c)	(c)	(c)
Nyasaland—						
Cement sheets, etc. ..	657	(c)	(c)	(c)	(c)	(c)
Seychelles—						
Cement sheets ..	25	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Sierra Leone—						
Cement sheets and pipes	<i>n.a.</i>	1,159	879	728	1,507	309
Southern Rhodesia—						
Cement sheets, etc. ..	(a) (£55,096)	b (£105,141)	(b) (£99,462)	(b) (£87,864)	(b) (£56,803)	(b) (£44,793)
Cement pipes ..	(a) 4,881	(b) 4,571	(b) 5,816	(b) 6,713	(b) 2,159	417
South West Africa—						
Packing (£S.A.) ..	(£6,442)	(£6,178)	(e)	(e)	(e)	(e)
Cement products (£S.A.) ..	(£28,577)	(£15,123)	(e)	(e)	(e)	(e)
Other manufactures (£S.A.) ..	(£73,997)	(£32,043)	(e)	(e)	(e)	(e)
Tanganyika—						
Manufactured ..	2,077	391	1,610	2,600	1,526	1,226
Uganda—						
Unmanufactured ..	<i>n.a.</i>	—	195	457	187	639
Manufactured ..	2,109	651	3,240	3,902	1,296	1,366
Union of South Africa—						
Packing (£S.A.) ..	(£233,402)	(£219,962)	(£264,499)	(£266,691)	(£297,108)	(£291,185)
Cement products (£S.A.) ..	(£16,959)	(£7,360)	(d) (£10,455)	(d) (£13,133)	(d) (£5,730)	(£3,179)
Other manufactures (£S.A.) ..	(£31,852)	(£5,689)	(d) (£20,055)	(d) (£59,007)	(d) (£42,360)	(d) (£80,726)
Zanzibar—						
Manufactured ..	331	225	246	404	397	122
Canada—						
Packing ..	131	122	117	180	165	135
Other manufactures	(£1,036,599)	(£1,180,653)	(£1,371,384)	(£1,827,761)	(£1,799,192)	(£1,441,942)
British West Indies—						
Barbados—						
Cement sheets ..	(£7,132)	(£13,065)	(£29,149)	(£29,508)	143	604

(a) Total imports.

(b) Federation of Rhodesia and Nyasaland.

(c) See under Southern Rhodesia.

(d) Including South West Africa.

(e) Included with Union of South Africa.

IMPORTS OF ASBESTOS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
British West Indies (cont.)						
Bermuda—						
Sheets, etc.	(£26,092)	(£6,720)	(£11,643)	(£7,818)	(£9,550)	n.a.
Grenada—						
Manufactured	(£1,102)	(£152)	(£1,835)	(£584)	n.a.	n.a.
Jamaica—						
Unmanufactured	(£774)	11	49	24	45	24
Manufactured	(£75,464)	1,703	1,028	1,330	1,751	853
St. Vincent—						
Sheets	6	23	2	4	22	1
Trinidad and Tobago—						
Cement products	785	1,636	1,206	523	1,103	485
Other manufactures	99	349	251	370	442	417
British Guiana—						
Cement sheets, etc.	(£5,174)	157	358	785	872	636
Other manufactures	(£22,447)	269	969	1,102	187	727
Aden—						
Manufactured	—	—	606	1,514	1,601	1,432
Ceylon—						
Unmanufactured	n.a.	n.a.	—	214	418	974
Cement sheets, etc.	12,994	9,276	11,123	16,424	11,745	7,375
Other manufactures	76	318	52	46	34	49
Cyprus—						
Cement products	3,073	3,643	872	1,790	2,962	1,537
Other manufactures	(£2,747)	(£6,389)	(£8,971)	(£6,670)	(£6,481)	(£11,462)
Hong Kong (a)—						
Unmanufactured	—	—	5	1	51	562
Manufactured	(£133,014)	(£25,670)	(£34,450)	(£59,335)	(£121,179)	(£79,396)
India—						
Unmanufactured	2,849	8,263	12,771	15,391	16,032	18,065
Cement products	178	1,122	2,474	7,049	8,034	2,622
Packing	(£111,620)	(£108,224)	(£162,046)	(£97,325)	1,953	842
Other manufactures	(£259,657)	(£279,242)	(£253,366)	(£431,442)		
Malaya (a)—						
Unmanufactured	1,077	2,719	1,885	2,321	2,763	1,903
Sheets	n.a.	n.a.	n.a.	n.a.	18,099	19,200
Pipes	n.a.	n.a.	n.a.	n.a.	795	136
Other manufactures	250	265	391	424	431	460
North Borneo—						
Cement products	598	929	1,222	1,513	3,153	1,713
Other manufactures	n.a.	n.a.	117	6	4	56
Pakistan—						
Cement sheets	(b) 3,714	(b) 4,844	(b) 3,854	2,320	1,434	493
Sarawak—						
Cement sheets	485	180	609	1,674	947	652
Other manufactures	41	16	8	—	14	11
Australia (c)—						
Crude	28,784	26,406	42,677	32,219	23,235	32,595
Packing, etc.	(£191,586)	(£345,493)	(£404,482)	(£347,342)	(£388,630)	(£581,006)
New Zealand—						
Unmanufactured	1,842	3,460	4,053	2,727	1,281	3,915
Cement sheets (d)	44,707	33,437	69,474	31,849	34,192	7,359
Other manufactures (£ N.Z.)	(£123,886)	(£155,224)	(£191,727)	(£355,695)	(£505,174)	(£461,455)
Irish Republic—						
Unmanufactured	1,887	2,301	1,564	2,607	1,424	1,593
Manufactured	3,943	2,615	5,221	2,899	1,700	2,653

(a) Total imports.

(c) Years ended June 30 of that stated.

(b) Years ended March 31 following that stated.

(d) Square yards.

IMPORTS OF ASBESTOS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
Austria—						
Unmanufactured ..	5,410	6,653	12,281	7,783	10,248	10,994
Manufactured ..	80	157	202	132	180	205
Cement products ..	6	6	29	82	372	264
Belgium-Luxemburg						
E.U.—						
Unmanufactured ..	29,504	30,173	40,576	43,607	38,800	32,162
Manufactured ..	1,227	1,763	1,761	2,130	2,247	3,720
Cement products ..	530	375	1,834	3,716	808	796
Denmark—						
Unmanufactured ..	10,041	9,933	9,421	12,837	16,501	10,409
Manufactured ..	583	847	892	1,125	983	958
Cement products ..	218	178	250	193	254	146
Finland—						
Unmanufactured ..	878	1,261	1,386	1,948	2,536	3,158
Manufactured ..	195	532	553	358	300	375
France—						
Unmanufactured ..	32,341	37,746	50,551	55,260	66,497	66,366
Manufactured (a) ..	381	463	958	1,554	1,413	1,406
Cement products (b) ..	8	335	867	356	1,386	752
Germany (Federal)—						
Unmanufactured ..	28,260	37,671	63,327	74,749	91,862	79,884
Manufactured (a) ..	456	529	709	1,019	1,587	2,187
Cement products (b) ..	971	2,478	3,903	10,798	22,322	39,887
Greece	211	158	234	287	145	160
Iceland—						
Unmanufactured ..	42	8	51	56	59	55
Manufactured ..	66	32	35	43	28	31
Italy—						
Unmanufactured ..	10,214	11,609	13,610	20,318	30,168	18,652
Manufactured (a) ..	1,079	1,088	1,354	1,697	1,823	1,941
Cement products (b) ..	118	211	89	380	334	288
Netherlands—						
Unmanufactured ..	10,077	8,818	11,278	15,694	20,783	12,478
Manufactured ..	2,094	2,558	2,803	2,524	2,578	2,378
Cement products ..	32,546	40,335	49,051	69,287	53,139	45,704
Norway—						
Unmanufactured ..	2,376	3,170	3,819	3,672	4,672	4,328
Manufactured ..	947	1,064	1,139	1,371	987	974
Cement products ..	70	1,761	2,542	2,686	7,815	8,506
Portugal—						
Unmanufactured ..	1,516	1,898	2,960	2,910	3,275	1,588
Manufactured ..	49	64	63	56	136	79
Spain—						
Unmanufactured ..	5,745	7,511	4,705	12,090	17,562	10,284
Manufactured ..	179	r 141	r 245	r 610	r 560	83
Sweden—						
Unmanufactured ..	10,645	14,180	12,728	11,390	14,484	13,122
Manufactured ..	1,443	1,859	2,107	2,169	2,102	2,250
Yugoslavia—						
Unmanufactured ..	1,929	2,136	3,132	1,344	3,819	4,619
Manufactured ..	222	232	309	252	323	384
Cement products ..	54	3	27	21	220	117
Algeria—						
Unmanufactured ..	1,755	2,776	3,986	3,026	4,396	2,554
Manufactured (a) ..	286	350	278	190	178	306
Cement products (b) ..	1,059	2,026	1,816	2,206	6,583	13,864
Angola—						
Unmanufactured ..	587	664	608	872	1,242	724
Manufactured ..	12	44	9	10	14	20

(a) Includes brake and clutch linings of material other than asbestos.

(b) Includes manufactures of other fibro-cements.

IMPORTS OF ASBESTOS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Belgian Congo—						
Unmanufactured ..	2,513	1,950	2,128	1,196	2,855	1,938
Manufactured (b) ..	121	146	168	346	185	126
Cement products (c) ..	12,776	15,924	13,858	6,839	3,347	2,061
Egypt—						
Unmanufactured ..	1,563	1,754	2,515	7,226	3,598	4,523
Manufactured ..	150	373	441	1,203	494	762
Morocco—						
Unmanufactured ..	635	810	1,062	973	1,056	1,670
Manufactured (b) ..	158	151	112	123	65	62
Cement products ..	5,805	2,886	4,307	1,319	560	255
Mozambique—						
Unmanufactured ..	527	468	715	1,282	805	1,264
Manufactured ..	11	11	14	21	28	22
Sudan—						
Manufactured ..	12,593	8,740	2,022	4,626	4,942	3,869
Costa Rica (a)—						
Manufactured ..	586	453	224	52	38	41
Guatemala (a)—						
Unmanufactured ..	216	244	284	289	449	498
Manufactured ..	315	283	67	204	105	79
Mexico (a)—						
Unmanufactured ..	4,883	4,595	7,334	10,387	9,293	10,187
Manufactured ..	833	869	905	624	1,263	721
Netherlands						
West Indies—						
Manufactured ..	260	709	372	939	827	487
Cement sheets ..	2,691	2,607	2,070	2,828	2,541	2,532
Nicaragua (a)—						
Manufactured ..	317	697	209	116	111	58
Panama Republic (a)—						
Manufactured ..	325	911	1,010	990	1,741	2,243
Salvador—						
Unmanufactured ..	346	620	361	284	294	343
Manufactured ..	74	58	79	74	81	117
United States—						
Unmanufactured—						
Crude ..	35,001	33,447	36,293	49,321	49,518	50,819
Mill fibre ..	152,404	133,002	150,136	139,887	122,617	120,865
Other ..	430,671	439,256	474,663	426,783	437,447	430,612
Manufactured ..	445	4,064	16,307	26,831	19,859	12,104
Argentina—						
Unmanufactured ..	10,145	3,894	11,751	5,577	9,437	9,193
Brazil (a)—						
Unmanufactured ..	7,996	13,179	7,493	10,526	10,394	11,159
Manufactured ..	495	13,790	1,050	946	706	692
Chile—						
Unmanufactured ..	—	—	—	n.a.	n.a.	n.a.
Manufactured ..	4,639	3,219	4,243	4,372	3,916	n.a.
Colombia—						
Unmanufactured ..	6,605	4,807	8,668	6,097	6,553	5,019
Manufactured ..	245	458	504	955	719	596
Ecuador—						
Unmanufactured ..	23	64	15	25	n.a.	—
Manufactured ..	52	90	63	37	n.a.	313
Peru—						
Unmanufactured ..	643	1,343	1,849	1,623	2,259	n.a.
Manufactured ..	297	151	400	217	253	n.a.

(a) Total imports.

(b) Includes brake and clutch linings of material other than asbestos.

(c) Includes manufactures of other fibro-cements.

IMPORTS OF ASBESTOS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Surinam—						
Unmanufactured ..	4	7	7	—	—	<i>n.a.</i>
Manufactured ..	598	540	545	490	1,408	<i>n.a.</i>
Uruguay ..	1,656	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,614	1,152
Venezuela (a)—						
Unmanufactured ..	1,618	2,206	2,020	1,710	2,524	1,689
Manufactured ..	1,284	1,175	4,744	2,621	3,796	2,158
Burma (a)—						
Cement products ..	10,063	12,480	11,279	5,985	12,711	7,875
Formosa—						
Unmanufactured ..	107	558	427	501	906	400
Manufactured ..	456	409	531	370	524	204
Indonesia—						
Unmanufactured ..	129	69	163	68	179	224
Manufactured ..	289	216	385	498	460	403
Cement products ..	26,501	3,813	3,792	28,386	4,757	1,822
Iraq—						
Unmanufactured ..	18	38	56	485	1,095	<i>n.a.</i>
Manufactured ..				1,386	424	<i>n.a.</i>
Cement products ..	<i>n.a.</i>	2,829	3,743	2,958	1,886	<i>n.a.</i>
Japan—						
Unmanufactured ..	18,606	19,961	20,078	32,861	48,712	38,126
Manufactured r ..	423	387	504	748	386	397
Cement products ..	16	125	314	175	556	195
Lebanon—						
Unmanufactured ..	470	383	216	1,009	1,636	1,712
Manufactured ..	13	48	13	23	18	17
Cement products ..	<i>n.a.</i>	<i>n.a.</i>	1,420	1,154	1,055	906
Philippine Republic—						
Unmanufactured ..	651	981	225	1,033	766	332
Manufactured ..				363	365	522
Cement products ..	978	776	2,054	964	246	48
Syria—						
Cement sheets ..	572	938	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Other manufactures ..	25	24	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Thailand (a)—						
Unmanufactured ..	<i>n.a.</i>	<i>n.a.</i>	—	45	3,551	3,426
Manufactured ..	1,294	2,132	5,670	1,210	120	93
Cement products ..	<i>n.a.</i>	<i>n.a.</i>	2,018	3,445	7,245	5,529
Turkey—						
Unmanufactured ..	3	15	31	492	—	960
Manufactured ..	275	295	668	457	172	159
Cement products ..	1,144	3,270	1,512	223	519	981

(a) Total imports.

BARIUM MINERALS

PRODUCTION OF BARIUM MINERALS*

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain—						
Barytes and witherite, unground	42,914	45,709	49,452	54,121	55,140	44,186
do. ground	25,992	27,475	33,499	21,477	22,788	25,526
Canada	220,738	197,743	226,550	286,460	203,614	179,758
Southern Rhodesia	239	—	—	—	—	30
Swaziland	406	323	401	461	313	428
Union of South Africa	1,868	2,091	1,689	2,422	3,008	2,429
India	9,400	18,792	7,623	6,315	12,913	15,657
Australia	5,677	6,872	6,264	6,009	9,778	7,440
Irish Republic	—	2,750	5,565	6,901	10,028	10,074
OTHER COUNTRIES						
Austria	2,768	4,813	5,806	r 9,960	9,924	4,209
France	39,168	46,751	62,953	54,502	75,380	76,800
Germany (Federal)	377,790	370,128	400,940	405,212	400,129	365,272
Germany (East) (d)	25,000	25,000	25,000	25,000	25,000	25,000
Greece	26,478	21,651	19,153	25,753	128,169	147,631
Italy	70,629	73,153	102,353	92,031	111,558	91,688
Poland	n.a.	n.a.	10,334	11,023	(d) 11,100	(d) 11,100
Portugal	310	343	319	309	762	1,207
Spain	17,613	10,482	8,779	7,594	18,113	24,448
Sweden (a)	—	96	122	—	—	—
U.S.S.R. (d)	98,000	98,000	98,000	98,000	98,000	120,000
Yugoslavia (b)	61,149	95,571	84,224	78,449	88,189	76,082
Algeria	16,804	13,356	30,107	29,324	(c) 30,000	42,335
Egypt	30	31	60	79	262	(d) 300
Morocco	49	9,150	24,267	29,127	14,532	42,018
Cuba	(b) 4,379	(b) —	(b) —	(b) —	(b) 20,354	10,653
Mexico (b)	56,288	50,778	105,048	210,529	383,516	194,063
United States	r 821,451	r 826,818	r 994,747	1,207,065	1,164,770	434,185
Argentina	(c) 14,700	22,165	r 20,072	r 17,100	22,557	n.a.
Brazil	(b) 14,164	11,966	3,526	14,462	49,419	55,942
Chile	1,390	3,166	3,094	425	768	n.a.
Colombia	7,628	9,000	6,000	7,500	6,214	13,000
Peru	15,294	11,025	8,402	50,116	85,168	105,306
Burma	—	—	—	—	—	810
Japan	17,277	18,585	18,191	18,373	24,566	14,741
Korea (South)	1,081	300	833	664	7	—
Philippine Republic	—	—	—	4,505	5,685	(d) 4,900
Turkey	—	—	—	5,505	1,885	5,389
TOTAL†	r 2,000,000	r 2,020,000	r 2,360,000	r 2,780,000	3,100,000	2,200,000

*Barytes unless otherwise stated.

†Excluding barytes known to have been produced in Czechoslovakia, Norway, China and North Korea.

(a) Sales.

(b) Exports.

(c) Estimated.

(d) United States Bureau of Mines' estimate.

EXPORTS OF BARIUM MINERALS, ETC.*

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ground barytes ..	218	212	212	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Barium compounds, excluding blanc fixe ..	2,060	3,496	3,263	3,044	3,618	2,419
Southern Rhodesia—						
Barytes	152	—	—	—	—	—
Canada—						
Barytes	217,000	185,586	217,920	278,820	178,379	154,412
India—						
Unground barytes ..	2,510	8,391	2,573	6,702	13,848	23,120
Australia (a)—						
Unground barytes ..	192	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Ground barytes ..	838	1,667	1,617	1,016	1,140	3,843
Sulphate incl. blanc fixe	5	1				
Irish Republic—						
Unground barytes ..	1,200	2,186	9,015	9,680	9,157	9,812
OTHER COUNTRIES						
Austria—						
Barytes	—	27	3	—	15	2
Belgium-Luxemburg						
E.U.—						
Barytes and witherite ..	21	1,186	1,674	1,370	1,195	223
Barytes, ground ..	160	93	29	6	12	24
Sulphate	789	1,732	1,255	636	334	339
Carbonate	264	132	160	180	26	12
Chloride	344	161	19	40	54	1
France—						
Barytes	252	689	13,257	5,026	18,339	29,371
Witherite	66	49	38	90	—	30
Chloride	1,251	2,025	2,575	4,217	4,780	4,153
Precipitated carbonate ..	3,004	2,260	2,909	1,779	2,069	1,244
Precipitated sulphate ..	354	421	144	74	1,635	626
Sulphide	20	20	6	6	12	11
Germany (Federal)—						
Barytes	77,115	121,684	123,481	116,823	104,671	121,184
Witherite	6	8				
Carbonate	8,247	7,328	8,612	7,593	6,402	7,528
Chloride	3,537	5,398	5,092	4,598	4,133	3,635
Sulphate	11,431	277	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Greece—						
Barytes	29,027	18,592	19,943	35,769	47,143	97,447
Italy—						
Barytes	13,908	18,558	29,953	31,733	39,495	41,656
Witherite	—	20	6	15	—	1
Precipitated carbonate ..	300	90	54	40	70	103
Chloride	64	556	417	461	307	194
Precipitated sulphate ..	13	—	14	13	—	11
Sulphide	22	7	103	186	26	31

*For Lithopone, see "Zinc".

(a) Years ended June 30 of that stated.

EXPORTS OF BARIUM MINERALS, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Netherlands—						
Barytes, ground ..	11	3	5	393	82	1
Sulphate	56	452	612	903	586	1,919
Sulphide	587	2,609	5,503	3,979	3,801	3,181
Sweden—						
Barytes and witherite ..	—	1	—	39	18	38
U.S.S.R.—						
Barytes (a)	<i>n.a.</i>	<i>n.a.</i>	18,000	35,900	—	—
Yugoslavia—						
Unground barytes ..	58,826	92,229	82,898	71,108	77,434	64,987
Ground barytes ..	2,323	3,342	1,326	7,341	10,755	11,095
Algeria—						
Barytes	9,066	11,823	15,795	19,041	21,815	11,802
Morocco—						
Barytes	1,176	8,348	13,707	21,751	15,831	13,572
Tunisia—						
Barytes	25	—	<i>n.a.</i>	49	—	—
Cuba—						
Barytes	4,379	—	—	—	20,354	<i>n.a.</i>
Mexico—						
Barytes	56,288	50,778	105,048	210,529	383,516	194,063
Brazil—						
Barytes	14,164	4,840	4,527	14,623	21,210	59,606
Peru—						
Barytes	3,081	11,331	19,026	48,584	118,961	<i>n.a.</i>
Japan—						
Barytes	49	—	—	—	123	—
Chloride	4	3	6	2	7	—
Sulphate	16	7	9	179	166	95

(a) May include some foreign produce.

IMPORTS OF BARIUM MINERALS, ETC.*
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Unground barytes ..	2,344	34,060	50,133	31,400	27,076	32,111
Ground barytes ..	16,012	21,209	21,793	18,999	18,608	17,822
Barium compounds, excluding blanc fixe ..	1,191	2,824	3,322	3,021	2,459	2,507
Union of South Africa—						
Barytes	722	742	522	848	672	662
Barium compounds ..	63	168	150	227	305	239
Canada—						
Barytes	1,078	1,104	1,294	1,317	1,635	1,234
Blanc fixe	234	279	535	400	332	400
British West Indies—						
Trinidad and Tobago—						
Ground barytes ..	25,293	22,769	26,621	35,622	17,849	16,976
India—						
Barytes	31	30	107	29	68	66
Carbonate	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	175	206
Chloride	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	238	357
Sulphate	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	171	67
Pakistan—						
Barytes	(a) 875	(a) 1,739	(a) 99	3,329	5,585	7,645
Australia (b)—						
Barytes ground ..	12	27	231	285	102	137
Carbonate	63	88	218	273	118	170
Chloride	42	104	188	196	158	146
Sulphate incl. blanc fixe ..	69	143	266	518	534	490
Other compounds ..	73	87	40	70	91	86
New Zealand—						
Barytes	831	1,000	773	676	691	1,133
Barium compounds ..	9	51	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
Austria—						
Barytes	4,820	6,620	7,304	7,343	5,418	5,627
Carbonate	230	264	340	214	190	346
Chloride	17	30	125	148	145	79
Belgium-Luxemburg						
E.U.—						
Barytes and witherite ..	3,519	12,284	21,269	17,470	14,133	20,698
Barytes, ground ..	5,784	6,395	6,039	5,739	7,556	6,205
Sulphate	672	702	1,127	1,524	1,752	1,452
Carbonate	2,382	2,963	2,716	1,904	2,079	1,575
Chloride	1,325	976	1,587	2,307	2,357	1,782
Sulphide	588	2,615	2,934	2,950	3,757	3,168
Denmark—						
Barytes	—	87	57	41	1,020	920
Carbonate	60	131	203	226	165	332
Chloride	153	264	170	215	142	211
Sulphate	1,040	1,058	1,076	983	1,166	1,094
Finland—						
Barytes	322	682	876	420	165	345
Witherite	—	—	5	15	—	—
Chloride	10	58	9	114	145	130
Carbonate	29	98	31	66	116	51
Sulphate	67	109	216	183	210	379

*For Lithopone, see "Zinc".

(a) Years ended March 31 following that stated.

(b) Years ended June 30 of that stated.

IMPORTS OF BARIUM MINERALS, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
France—						
Barytes	20,233	26,367	40,577	36,372	25,891	43,592
Witherite	—	150	326	615	—	—
Chloride	—	10	21	1	—	—
Precipitated carbonate	—	—	—	—	—	12
Precipitated sulphate ..	408	429	801	1,422	954	574
Germany (Federal)—						
Barytes and witherite ..	—	—	14,458	16,276	23,745	27,175
Italy—						
Barytes	130	113	615	71	84	85
Witherite	1,980	1,013	971	498	972	—
Precipitated carbonate ..	1,488	561	467	401	262	253
Chloride	298	23	75	101	45	88
Precipitated sulphate ..	552	402	580	670	716	677
Sulphide	121	205	423	247	—	—
Netherlands—						
Barytes and witherite ..	13,403	15,913	23,380	26,726	22,970	25,166
Barytes, ground	4,595	4,724	4,874	4,350	5,040	3,567
Carbonate	1,516	1,531	1,909	1,614	2,053	3,028
Chloride	290	342	240	241	451	261
Sulphate	1,537	2,502	2,324	1,310	1,355	611
Portugal—						
Barytes	—	106	120	101	127	224
Carbonate	—	12	—	—	—	—
Chloride	117	168	113	73	81	16
Sulphate	70	32	34	12	19	17
Sweden—						
Barytes and witherite ..	1,818	2,073	2,673	2,908	3,331	2,835
Sulphate	938	1,267	1,750	1,642	1,695	1,584
Carbonate and chloride	633	1,452	1,316	1,069	912	759
U.S.S.R. (a)—						
Barytes	<i>n.a.</i>	<i>n.a.</i>	20,500	13,500	21,000	23,400
Algeria—						
Barytes	1	—	89	—	—	6,238
Sulphate	2	2	—	1	957	10
Carbonate	66	82	254	281	181	14
Belgian Congo—						
Barytes and witherite ..	32	32	10	—	33	1
Chloride	22	20	2	5	2	2
Sulphate	143	202	316	271	453	233
Morocco						
Barytes	642	865	670	952	926	278
Tunisia						
Barytes	—	<i>n.a.</i>	375	177	914	624
Precipitated sulphate ..	199	10	—	18	98	4
Cuba (a)—						
Sulphate	284	379	279	250	183	<i>n.a.</i>
Mexico (a)—						
Barytes	2,055	2,729	1,937	3,942	1,364	644
Carbonate	<i>n.a.</i>	<i>n.a.</i>	66	118	201	305
Chloride	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	18	126	88
United States—						
Unground barytes	298,918	283,119	321,104	r 525,940	743,416	470,144
Ground barytes	231	225	263	329	378	902
Witherite	4,400	3,942	2,110	2,620	2,704	2,181
Carbonate	3,767	290	1,462	1,608	1,378	288
Chloride	45	724	887	1,230	1,256	1,229
Sulphate	897	703	804	916	1,292	1,405

(a) Total imports.

IMPORTS OF BARIUM MINERALS, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Sulphate	252	487	—	24	38	299
Barium compounds ..	359	629	165	236	378	64
Brazil (a)—						
Carbonate	66	636	69	201	592	293
Chloride	121	541	86	57	151	192
Sulphate	113	719	223	426	557	177
Chile—						
Barytes	23	8	40	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Carbonate	36	5	36	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Chloride	—	—	1	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Sulphate	2	2	3	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Witherite	23	23	8	9	4	2
Carbonate	—	23	23	43	283	35
Chloride	10	5	34	1	19	2
Sulphate	23	485	1,031	2,004	32	2,225
Peru—						
Barytes	3	22	31	23	25	<i>n.a.</i>
Carbonate	43	43	110	56	60	<i>n.a.</i>
Sulphate	2	4	1	3	5	<i>n.a.</i>
Uruguay—						
Sulphate	373	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	266	159
Venezuela (a)—						
Barytes	43,235	41,600	<i>n.a.</i>	45,391	75,452	67,303
Carbonate	7	—	<i>n.a.</i>	11	133	21
Chloride	55	47	<i>n.a.</i>	212	283	317
Sulphate	40	133	<i>n.a.</i>	37	47	45
Iraq—						
Barytes	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	16,628	28,150	<i>n.a.</i>
Japan—						
Barytes	337	2,062	2,174	4,368	6,508	2,540
Turkey—						
Barytes	23	3	33	41	2	—
Sulphate	—	16	—	26	16	15
Barium compounds ..	13	108	99	11	115	16

(a) Total imports.

BENTONITE
(see also Fuller's Earth)
PRODUCTION OF BENTONITE

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Cyprus (a)	49	182	451	958	785	894
India	358	286	595	4,000	6,946	5,817
Australia (b)	500	1,311	785	1,467	929	153
New Zealand	755	582	718	1,638	1,573	1,801
OTHER COUNTRIES						
Austria	1,888	3,439	4,411	4,477	4,879	3,750
Greece	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	4,000	10,143	<i>n.a.</i>
Italy	29,853	32,476	44,167	49,891	38,627	<i>n.a.</i>
Spain	781	1,496	1,732	2,738	2,247	4,453
Morocco (Northern)	547	219	3,405	881	} 4,897	<i>n.a.</i>
Morocco (Southern)	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>		<i>n.a.</i>
United States (c)	1,133,903	1,141,422	1,321,612	1,402,330	1,295,417	1,153,048
Argentina	<i>n.a.</i>	<i>n.a.</i>	(d) 15,000	(d) 20,000	24,022	<i>n.a.</i>
Turkey	—	—	—	—	—	600

Bentonite is also produced in Canada, Germany, Yugoslavia, Algeria and Japan.

(a) Exports of bentonitic clay.

(b) Including bentonitic clay.

(c) Sold or used by producers.

(d) Estimated.

EXPORTS OF BENTONITE
(Domestic Produce)

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Cyprus (a)	49	182	451	958	785	894
India	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	10	271
OTHER COUNTRIES						
Austria	66	579	909	566	595	421
France	169	305	288	437	1,441	2,370
Italy	10,946	11,790	12,360	11,497	9,357	8,751
Yugoslavia	40	168	54	914	4,794	10,125
Algeria	8,253	13,531	17,560	26,960	31,118	36,150
Morocco	49	39	89	121	295	8,179
Argentina	394	127	665	217	456	940

(a) Bentonitic clay.

IMPORTS OF BENTONITE
(Less Re-exports)

Long tons

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
India	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	79	24
Australia (a) (b)	2,157	3,460	4,858	5,432	4,668	5,476
OTHER COUNTRIES						
France	1,080	1,373	1,573	15,318	9,808	31,493
Italy	2,434	3,246	5,446	5,792	6,088	5,109
Portugal	<i>n.a.</i>	288	386	420	619	814
Algeria	—	4	—	53	777	5,461
Morocco	6	2	2	497	178	376
United States	238	234	710	417	119	49

(a) Years ended June 30 of that stated.

(b) Including bentonitic clay.

BERYL
PRODUCTION OF BERYL

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Kenya	—	—	—	—	5	4
Northern Rhodesia ..	9	1	19	12	5	11
Somaliland Protectorate (a) ..	—	—	17	16	—	—
Southern Rhodesia ..	1,584	962	860	541	511	296
South West Africa ..	527	504	421	405	345	220
Uganda	50	69	99	88	70	77
Union of South Africa ..	474	181	122	119	635	414
India (b)	178	340	754	3,000	1,121	536
Australia	125	149	206	318	395	244
OTHER COUNTRIES						
Portugal	370	329	301	218	170	46
Belgian Congo	7	44	323	1,701	1,582	994
Madagascar	461	579	282	151	265	105
Morocco (Southern) ..	32	15	2	—	—	—
Mozambique	215	895	857	842	1,670	1,042
United States (c) ..	671	597	450	397	465	413
Argentina	610	1,280	1,330	1,537	1,402	n.a.
Brazil	1,899	1,411	1,745	2,073	1,296	1,156
Surinam	2	9	—	—	—	—
Afghanistan	—	27	29	27	13	—
TOTAL*	7,200	7,400	7,800	11,500	10,000	7,000

*Excluding beryl known to have been produced in the U.S.S.R.

(a) Exports.

(b) Imports into the United States.

(c) Shipments from mine.

EXPORTS OF BERYL
(Domestic Produce)

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Somaliland Protectorate	—	—	17	16	—	—
Southern Rhodesia ..	1,468	(b) 1,048	(b) 815	(b) 610	(b) 457	(b) 288
South West Africa ..	528	400	355	354	278	259
Uganda	33	29	138	96	73	74
Union of South Africa ..	472	172	113	195	478	382
India (a)	178	340	754	3,000	1,121	536
Australia	125	163	210	309	397	146
OTHER COUNTRIES						
Portugal	331	306	277	233	156	52
Belgian Congo	n.a.	n.a.	n.a.	n.a.	400	1,218
Madagascar	r 130	r 467	r 151	r 229	786	112
Morocco	44	10	18	11	—	10
Mozambique	205	879	705	860	1,330	1,001
Argentina	1,305	—	394	2,091	1,497	527
Brazil	1,926	1,253	1,527	1,912	2,212	1,401

(a) Imports into the United States.

(b) Federation of Rhodesia and Nyasaland.

IMPORTS OF BERYL*
(Less Re-exports)

Long tons

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a) ..	129	175	232	416	866	255
OTHER COUNTRIES						
France	n.a.	n.a.	n.a.	76	1,119	1,080
United States	7,141	5,192	5,390	11,046	6,509	4,106

*Imports of Beryl are not recorded separately in the trade returns of most countries.

(a) Not separately recorded in official trade returns. Figures represent exports to the United Kingdom from certain producing countries and are not necessarily complete.

BISMUTH
PRODUCTION OF BISMUTH ORE, ETC.*

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
South West Africa—						
Ore	—	2	2	—	1	1
Uganda—						
Ore (<i>Bi content</i>) ..	1	—	1	—	1	7
Union of South Africa—						
Ore (<i>Bi content</i>) ..	1	1	—	—	—	1
Canada—						
Metal plus content of bullion, etc. exported	52	116	119	128	143	204
Australia—						
Concentrates (<i>Bi content</i>)	—	1	—	—	—	1
OTHER COUNTRIES						
France—						
Mispickel (<i>Bi content</i>)	71	11	59	50	44	50
Spain—						
Ore (<i>Bi content</i>) ..	25	37	29	66	93	52
Sweden—						
Metal (<i>c</i>)	59	50	65	39	54	50
Yugoslavia—						
Bismuth metal	97	108	102	109	98	76
Belgian Congo—						
Ore (<i>Bi content</i>) ..	—	1	—	—	—	—
Mozambique—						
Ore (<i>Bi content</i>) ..	3	1	2	—	3	1
Mexico—						
Ore (<i>Bi content</i>) ..	330	355	346	621	348	187
Argentina—						
Concentrates (<i>Bi content</i>) (<i>a</i>) ..	1	5	r 9	r 9	21	26
Bolivia (<i>b</i>)—						
Ore, etc. (<i>Bi content</i>) ..	62	45	50	33	40	109
Peru—						
Lead bars (<i>Bi content</i>)	—	—	163	130	92	131
Metal	282	309	165	152	257	240
Korea (South)—						
Ore (<i>Bi content</i>) ..	197	113	128	177	107	89

*Bismuth ore is known to have been produced in Germany, Roumania, Burma and China and the metal recovered as a by-product in the United Kingdom, U.S.S.R., United States and Japan.

(a) Estimated.

(b) Exports.

(c) United States Bureau of Mines' estimate.

EXPORTS OF BISMUTH, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Bismuth	316	337	330	529	328	323
Bismuth salts	133	177	140	144	173	170
South West Africa—						
Ore	(4 cwt.)	—	(3 cwt.)	(2 cwt.)	(1 cwt.)	2
Uganda—						
Ore (<i>Bi content</i>)	2	1	(2 cwt.)	—	—	(8 cwt.)
Union of South Africa—						
Bismuth	1	1	—	—	5	—
Canada—						
Metal	—	60	25	59	64	48
Australia (<i>a</i>)—						
Concentrates	6	6	1	—	—	—
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	11	27	19	5	1	27
France—						
Bismuth and alloys including scrap	49	17	25	59	64	34
Bismuth nitrate	9	15	19	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Germany (Federal)—						
Bismuth	38	31	14	74	81	158
Spain—						
Bismuth	—	—	—	11	48	35
Yugoslavia—						
Bismuth	91	109	94	107	90	67
Mexico—						
Bismuth, refined	33	89	109	105	124	139
do. impure bars	304	357	232	588	231	134
United States—						
Matte, residues, etc.	19	22	49	5	51	16
Metal and alloys	57	62	91	128	71	141
Argentina—						
Ore	<i>n.a.</i>	<i>n.a.</i>	—	6	22	15
Bolivia—						
Ore, etc. (<i>Bi content</i>)	62	45	50	33	40	109
Peru—						
Bars, etc. (<i>Bi content</i>)	266	345	309	297	338	346
Japan—						
Bismuth	—	15	—	9	1	1
Korea (South)—						
Bismuth, unwrought	140	112	102	158	131	100

(a) Years ended June 30 of that stated.

IMPORTS OF BISMUTH, ETC.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Bismuth	235	303	239	323	424	407
Unwrought alloys (b) ..	206	306	349	564	278	128
Canada—						
Bismuth	(9 cwt.)	—	3	11	5	6
Bismuth salts	(£6,852)	(£11,405)	(£7,927)	(£7,807)	(£9,231)	(£7,524)
Australia (c)—						
Bismuth	15	17	16	16	19	16
Bismuth salts	1	5	9	6	4	6
New Zealand—						
Bismuth and its salts ..	3	5	6	8	3	4
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	8	3	3	6	1	4
Bismuth salts	10	38	44	63	46	63
Denmark—						
Bismuth salts	14	13	10	14	10	11
France—						
Bismuth and alloys including scrap ..	183	213	259	306	314	311
Germany (Federal)—						
Bismuth	63	95	126	120	215	237
Italy—						
Bismuth	15	27	28	26	18	17
Bismuth salts	2	4	9	8	3	4
Netherlands—						
Bismuth salts	7	6	15	13	39	54
Spain—						
Bismuth	5	—	1	1	—	—
Bismuth salts	—	—	—	—	3	—
Morocco—						
Bismuth salts	3	4	3	6	7	8
Mexico (a)—						
Bismuth salts	3	3	3	8	7	6
United States—						
Bismuth	286	281	270	413	374	336
Argentina—						
Bismuth and its salts ..	30	33	35	14	2	1
Brazil (a)—						
Bismuth	—	4	—	2	2	1
Bismuth salts	11	25	13	14	12	8
Chile—						
Bismuth	2	3	2	n.a.	n.a.	n.a.
Colombia	3	4	5	4	4	5
Peru—						
Bismuth salts	1	1	1	1	1	n.a.
Iran (d)—						
Bismuth salts	22	4	n.a.	1	2	n.a.
Japan—						
Bismuth	20	1	—	—	—	—
Turkey—						
Bismuth salts	11	7	15	8	4	1

(a) Total imports.

(b) Containing more than 50% by weight of bismuth.

(c) Years ended June 30 of that stated.

(d) Years ended March 20 following that stated.

BORATES

PRODUCTION OF CRUDE BORATES

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
Italy— Boric acid	4,139	3,783	3,631	3,633	3,489	3,405
United States (c)— Borates	638,596	705,758	r 466,487	r(a) 488,228	(a) 483,146	(a) 471,615
Argentina— Borates	<i>n.a.</i>	<i>n.a.</i>	13,000	20,000	21,429	<i>n.a.</i>
Chile— Boron minerals.. ..	(b) 2,000	<i>n.a.</i>	<i>n.a.</i>	9,037	5,696	8,296
Turkey— Borates	6,285	14,105	41,520	32,948	26,946	68,306

Borates are known to have been produced in the U.S.S.R., Germany, Iran and Tibet.

(a) Quantities reported for 1956, 1957 and 1958 contain a higher percentage of finished products to crude ore than those for previous years and the figures are not, therefore, strictly comparable.

(b) Estimated.

(c) Sales.

EXPORTS OF BORATES
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Borax	1,065	1,609	1,588	595	270	802
Hong Kong (re-exports)—						
Borax	2	3	—	1	11	36
India—						
Borax	4	—	—	—	—	1
OTHER COUNTRIES						
Austria—						
Boric acid	—	—	3	1	3	1
Perborate of sodium ..	1,116	1,042	1,446	2,417	2,746	n.a.
Belgium-Luxemburg						
E.U.—						
Borax	37	1,540	1,227	1,067	669	199
Boric acid	2	23	130	19	4	5
Borates and perborates	113	116	38	14	119	20
France—						
Borax, refined	681	977	663	614	604	591
Boric acid	180	126	158	136	158	115
Borates and perborates	62	83	77	44	1,697	392
Germany (Federal)—						
Borates	2,228	3,541	2,261	1,325	456	129
Boric acid	284	486	312	307	206	156
Perborate of sodium ..	5,679	9,571	11,128	11,107	11,192	9,171
Italy—						
Boric acid, crude ..	162	108	40	—	1	} 1,288
do. refined	696	420	238	444	634	
Borax, refined	1,423	1,439	921	1,912	3,065	4,093
Perborates	1,344	234	1	3	—	575
Netherlands—						
Borax	1,070	623	673	351	406	359
Sweden—						
Borax and boric acid ..	3	—	1	—	—	—
Perborate of sodium ..	103	90	110	59	52	79
Switzerland—						
Borax	482	—	51	20	—	—
United States—						
Borax, borates and boric acid	124,390	183,584	198,739	217,612	191,515	210,343
Argentina—						
Borates of calcium and sodium	50	r 98	—	—	3,689	3,030
Japan—						
Borax	298	1,032	813	2	5	2
Boric acid	9	386	599	20	11	3
Turkey—						
Borates	9,116	17,206	30,906	(a) 17,500	21,646	50,452

(a) Estimated.

IMPORTS OF BORATES
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Boron minerals	13,511	16,095	15,779	15,852	15,883	14,889
Borax, crude	—	35	70	35	—	—
do. refined	17,026	25,388	23,487	23,250	25,724	23,708
Boric acid	3,664	5,115	5,426	3,079	2,975	3,472
Kenya—						
Borax, refined	6	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Southern Rhodesia—						
Borax	57	(c) 85	(c) 45	(c) 64	(c) 76	(c) 121
Boric acid	5	(c) 4	(c) 7	(c) 4	(c) 5	(c) 2
Tanganyika—						
Borax, refined	4	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Uganda—						
Borax, refined	3	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Union of South Africa—						
Borax	470	576	974	1,202	1,440	1,207
Boric acid	179	275	247	224	261	177
Canada—						
Borax	8,554	7,547	8,413	9,248	9,182	9,077
Boric acid	1,698	1,049	1,348	1,663	1,420	1,457
Hong Kong (a)						
Borax, crude	47	15	—	—	—	—
do. refined	2,490	3,411	4,232	5,811	2,182	3,149
India—						
Borax	903	4,563	3,050	4,329	3,935	4,881
Boric acid	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	875	303
Pakistan—						
Borax	(b) 438	(b) 430	(b) 742	516	267	7
Australia (d)—						
Borates, crude	70	219	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Boron salts	1,602	2,316	3,228	3,171	2,545	2,519
Boric acid	591	570	817	985	1,150	1,049
New Zealand—						
Borax	24	52	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
do. fertilizer	412	534	879	865	1,067	828
Boric acid	141	146	267	239	579	230
Irish Republic—						
Borax	771	448	605	845	1,299	933
Boric acid	110	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
Austria—						
Borax, crude	1,850	2,490	3,620	3,899	3,483	3,552
do. refined	—	1	3	1	4	—
Boric acid	3	1	1	6	6	6
Perborate of sodium	28	20	1	—	1	<i>n.a.</i>
Belgium-Luxemburg						
E.U.—						
Borax	1,432	1,312	1,579	1,456	1,572	1,719
Boric acid	302	323	591	410	312	257
Borates and perborates	1,582	2,298	2,747	3,400	4,260	4,136
Denmark—						
Borax	36	25	48	63	60	87
Boric acid	76	119	76	93	112	91
Borates and perborates	1,196	1,497	1,644	1,762	2,371	1,865

(a) Total imports.

(b) Year ended March 31 following that stated.

(c) Federation of Rhodesia and Nyasaland.

(d) Years ended June 30 of that stated.

IMPORTS OF BORATES (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Finland—						
Borax	552	822	479	1,026	315	773
Boric acid	46	124	63	112	93	111
France—						
Boron minerals ..	8,562	16,175	16,969	18,082	13,798	21,492
Borax refined	4,962	5,981	7,262	9,951	10,537	11,574
Boric acid	—	9	218	1,184	761	2,767
Borates and perborates	678	768	642	821	625	502
Germany (Federal)—						
Boron minerals ..	11,658	30,946	30,434	30,977	25,622	32,318
Boric acid	1,664	2,697	4,600	4,891	4,615	4,356
Borates	3,690	6,430	7,868	9,016	8,819	9,434
Perborate of sodium ..	978	169	274	412	350	1
Greece—						
Borax	58	34	51	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Italy—						
Boron minerals ..	3,267	4,969	11,986	15,901	10,059	11,925
Boric acid	139	—	—	—	—	—
Borax, refined	1,768	760	1,314	2,050	1,797	2,584
Borates	2	—	—	30	—	2
Perborates	652	106	285	554	1,009	—
Netherlands—						
Borax	6,727	8,464	8,816	8,380	10,028	8,405
Boric acid	310	634	804	712	793	850
Perborates	911	1,864	983	839	852	887
Norway—						
Borax	267	691	847	1,193	1,317	1,481
Boric acid	267	277	362	1,415	1,492	1,824
Portugal—						
Boric acid	58	128	71	159	190	212
Borax	279	425	1,076	830	760	1,090
Spain—						
Boric acid	1	—	8	2	5	20
Borates	252	9	—	6	34	—
Sweden—						
Borax	1,231	2,320	2,394	3,018	2,887	2,499
Boric acid	223	293	274	317	283	199
Perborate of sodium ..	1,446	2,543	1,770	1,666	1,622	3,586
Switzerland—						
Borax	1,764	3,256	4,073	3,313	4,364	3,770
Yugoslavia—						
Boric acid	35	86	29	34	19	1,088
Algeria—						
Borax and boric acid ..	17	31	156	55	108	180
Belgian Congo—						
Boric acid	1	5	1	64	5	5
Borax	29	13	56	56	82	54
Perborates	33	51	70	87	46	209
Egypt—						
Borax	191	519	373	213	225	484
Boric acid	11	16	23	21	47	75
Morocco—						
Borax	71	67	101	60	50	113
Perborates	37	60	43	42	26	22
Mozambique—						
Borax	1	1	7	7	4	4
Boric acid	1	1	2	1	3	1
Tunisia—						
Borax etc.	30	<i>r</i> 37	<i>r</i> 24	1	2	2

IMPORTS OF BORATES (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Cuba (a)—						
Borax	293	332	371	276	430	<i>n.a.</i>
Boric acid	82	84	79	100	79	<i>n.a.</i>
Mexico (a)—						
Borax	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	2,806	3,262	3,595
Boric acid	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	624	506	432
Brazil (a)—						
Boron minerals	912	2,442	854	1,813	1,352	1,410
Boric acid	141	884	162	761	975	575
Borax	542	3,987	886	4,518	1,612	2,462
Borates	3	577	195	16	71	15
Chile—						
Borax	2	—	—	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Borax	295	384	498	484	435	249
Boric acid	126	177	125	169	235	137
Perborate of sodium	63	55	69	25	51	46
Ecuador—						
Borax	2	6	10	8	<i>n.a.</i>	8
Boric acid	10	6	7	6	10	10
Peru—						
Borax	221	215	237	338	330	<i>n.a.</i>
Boric acid	46	52	46	80	60	<i>n.a.</i>
Uruguay—						
Borates	193	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	283	165
Venezuela (a)—						
Borax	61	122	<i>n.a.</i>	405	155	168
Boric acid	50	61	47	100	90	67
Indo-China—						
Borates	252	290	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Iran (b)—						
Borax	244	138	<i>n.a.</i>	403	155	<i>n.a.</i>
Boric acid	3	9	<i>n.a.</i>	5	8	<i>n.a.</i>
Japan—						
Borax	7,398	7,868	10,566	10,773	7,919	10,545
Boric acid	1,108	1,390	2,216	1,909	2,250	2,455
Philippine Republic—						
Boric acid	38	33	45	33	99	87
Syria—						
Borax	12	53	<i>n.a.</i>	39	<i>n.a.</i>	<i>n.a.</i>
Boric acid	5	4	<i>n.a.</i>	7	<i>n.a.</i>	<i>n.a.</i>
Thailand (a)—						
Borax	<i>n.a.</i>	<i>n.a.</i>	20	<i>n.a.</i>	118	702
Boric acid	<i>n.a.</i>	<i>n.a.</i>	1	15	41	25
Turkey—						
Borax	293	105	89	158	46	88
Boric acid	25	5	10	33	5	12

(a) Total imports.

(b) Years ended March 20 following that stated.

BROMINE
PRODUCTION OF BROMINE

Lb. avdp.

Producing Country	1953	1954	1955	1956	1957	1958
France (a)	1,863,000	2,637,000	2,778,000	2,831,000	3,280,000	3,550,000
Italy	712,333	1,092,642	1,105,779	1,117,644	1,549,534	n.a.
Spain	231,000	246,000	169,055	316,815	478,659	n.a.
United States (a) (b) ..	164,143,348	187,399,110	184,453,846	196,730,115	191,971,145	176,397,000
Israel	—	—	—	n.a.	(c)1,075,000	1,687,000
Japan	1,667,000	1,905,000	2,950,000	2,751,000	2,529,000	3,296,000

Bromine is also produced in the United Kingdom (from sea-water) and in Germany.

(a) Sales.

(b) Includes bromine content of compounds.

(c) Estimated.

EXPORTS OF BROMINE, ETC.

(Domestic Produce)

Lb. avdp.

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Bromine	6,000	3,900	25,300	n.a.	n.a.	n.a.
Bromides	308,100	640,500	569,600	537,500	533,300	376,000
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bromine	—	220	—	—	—	4,400
Bromides etc.	—	1,323	7,275	4,630	7,716	4,600
France—						
Bromine	62,170	716,723	854,071	176,590	357,369	347,200
Bromides	619,940	1,036,173	1,118,625	1,078,942	1,099,886	1,455,100
Germany (Federal)—						
Bromine	358,472	248,229	275,798	227,297	650,364	n.a.
Bromides	383,163	419,742	188,054	171,740	113,097	159,200
Italy—						
Bromine	941	24	507	7,271	3,527	—
Bromides	15,833	2,866	37,992	9,017	441	3,100
Netherlands—						
Bromides, etc.	123,459	194,007	255,736	275,578	429,901	798,000
United States—						
Bromine and compounds (a) ..	3,414,065	5,082,437	3,649,861	6,111,363	10,510,719	10,071,033
Japan—						
Bromine compounds ..	628	63,370	17,571	63,090	33,711	44,000

(a) Includes organic compounds.

IMPORTS OF BROMINE, ETC.

(Less Re-exports)

Lb. avdp.

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Bromine	2,500	647,000	278,000	56,000	407,680	672,000
Union of South Africa—						
Bromine	161	1,041	1,064	1,295	1,879	899
Canada—						
Bromine	10,956	27,023	31,686	26,462	19,065	17,397
Bromide of soda	66,814	50,945	36,587	55,579	51,933	79,806
India—						
Bromine	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	5,500	900
Bromide of potash	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	38,000	6,400
Bromide of soda	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,600	2,100
Australia (a)—						
Bromine	(£62)	(£263)	(£194)	(£186)	(£186)	(£491)
Bromate and bromide of potash	126,014	140,414	101,299	133,930	120,089	118,648
do. do. other	76,272	97,497	125,886	71,565	83,797	44,509
New Zealand—						
Bromine (£ N.Z.)	(£73)	(£201)	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Bromide of soda	4,600	12,900	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Bromate and bromide of potash	4,500	8,700	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
Belgium-Luxemburg E.U.—						
Bromine	66,139	9,259	11,464	14,771	33,731	20,300
Bromides, etc.	416,674	344,362	438,058	541,235	574,745	661,200
Denmark—						
Bromide of potash	19,621	22,928	26,015	10,582	9,921	14,600
Bromide of soda	27,337	50,045	45,636	26,015	45,856	58,600
Other bromides	6,173	4,409	12,566	53,793	42,549	45,200
France—						
Bromides	—	—	2,425	220	11,684	400
Germany (Federal)—						
Bromine	—	103,613	24,251	5,732	329,591	<i>n.a.</i>
Bromides	34,613	—	48,061	19,842	31,306	149,900
Italy—						
Bromine	307,104	154,191	163,980	220,477	76,942	110,700
Bromides	13,007	10,128	35,450	22,392	33,070	4,200
Netherlands—						
Bromine	127,868	141,096	149,914	227,076	<i>n.a.</i>	<i>n.a.</i>
Bromides, etc.	187,393	286,601	359,353	233,690	288,806	335,000
Norway—						
Bromine	489	688	933	1,351	2,915	1,691
Portugal—						
Bromine	1,878	1,283	1,069	604	1,411	653
Bromide of soda	1,100	864	2,474	1,413	776	1,063
Bromide of potash	2,806	5,730	6,105	3,532	7,022	4,698
Bromide of ammonium	337	24	756	384	88	697
Spain—						
Bromides	4,314	2,138	10,637	8,902	5,578	6,662
Sweden—						
Bromine	2,000	2,000	24,000	4,000	4,000	9,000
Algeria—						
Bromine	220	220	—	—	3,527	—
Bromides	1,102	1,323	661	17,417	18,298	26,700
Belgian Congo—						
Bromides	22,710	264	1,823	110,948	1,400	1,285

(a) Years ended June 30 of that stated.

IMPORTS OF BROMINE, ETC. (cont.)

Lb. avdp.

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Morocco—						
Bromides	619	1,817	48,517	9,017	11,627	9,830
Cuba (a)—						
Bromine	79	745	3,239	r 562	30,377	n.a.
Mexico (a)—						
Bromine	n.a.	n.a.	n.a.	157,968	323,462	130,139
Bromides of potash and soda	26,037	63,310	21,954	29,260	31,098	39,388
United States—						
Bromine and compounds	575	487	692	2,918	1,512	11,933
Argentina—						
Bromine and compounds	31,559	188,678	147,692	86,062	194,818	249,828
Brazil (a)—						
Bromine	44	2,749	3,388	1,468	2,258	1,142
Bromides	21,491	63,689	22,701	207,810	70,592	133,073
Chile—						
Bromine	930	488	939	n.a.	n.a.	n.a.
Bromides	970	n.a.	2,850	n.a.	n.a.	n.a.
Colombia—						
Bromine	220	267	—	1,243	1,151	146
Bromides, etc.	13,748	15,212	14,797	8,514	24,734	11,914
Peru—						
Bromine	287	505	225	265	362	n.a.
Bromides	10,593	5,831	22,831	17,586	10,655	n.a.
Iran (b)—						
Bromides	3,697	48,552	n.a.	13,302	13,444	n.a.
Japan—						
Bromine compounds ..	1,000	4	—	6,160	2,635	3,109
Philippine Republic—						
Bromide of potash ..	1,944	1,248	10,752	18,488	22,115	4,535
Thailand (a)—						
Bromide of potash ..	n.a.	n.a.	1,345	5,483	3,818	20,704
Turkey—						
Bromine	525	201	545	176	4,023	40
Bromides	15,170	19,648	28,885	131,237	47,278	46,244

(a) Total imports.

(b) Years ended March 20 following that stated.

CADMIUM
PRODUCTION OF CADMIUM

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	170	141	151	112	102	124
Northern Rhodesia ..	—	—	—	52	56	17
South West Africa (a) ..	533	723	626	1039	1,268	1,200
Canada (b)	499	485	857	1,044	1,057	822
Australia	297	288	301	276	393	352
OTHER COUNTRIES						
Austria	—	—	—	2	11	(e) 20
Belgium	(e) 600	(e) 570	(e) 640	664	600	(e) 700
France	125	140	177	107	173	172
Germany (Federal) ..	101	276	317	288	273	314
Italy	178	205	206	186	234	201
Netherlands	—	(e) 10	(e) 15	(e) 16	(e) 34	(e) 40
Norway	88	80	114	124	109	107
Poland (h)	217	200	250	242	250	250
Spain	7	9	10	11	9	8
U.S.S.R. (h)	200	210	300	355	470	460
Yugoslavia (h)	—	—	—	—	20	20
Belgian Congo	31	62	163	273	407	482
Guatemala	—	—	—	48	37	(h) 39
Mexico (c)	943	504	1,275	845	747	758
United States (d)—						
Metal	4,322	4,203	4,354	(g) 4,738	(g) 4,710	(g) 4,318
Compounds (metal content)	38	61	85	n.a.	n.a.	n.a.
Peru (f)	10	30	62	48	46	85
Japan	205	273	338	395	390	430
TOTAL*	7,100	7,200	8,300	9,000	9,500	9,000

*In the case of South West Africa and Mexico the metal is extracted in other countries and, to avoid duplication, is excluded from the total. A certain amount of duplication in the case of certain other countries, however, is unavoidable.

- (a) Estimated cadmium content of copper-lead-zinc concentrates produced and exported for treatment.
- (b) Metal produced plus cadmium content of concentrates exported.
- (c) Including cadmium content of flue dust, etc., exported for treatment.
- (d) In addition secondary (metal and cadmium content of compounds) produced was as follows:

1953	..	..	..	30	Long tons
1954	..	..	..	62	”
1955	..	..	..	128	”
1956	..	..	..	n.a.	”
1957	..	..	..	n.a.	”
1958	..	..	..	n.a.	”

- (e) Estimate. Source: “Metallgesellschaft”.
- (f) Including cadmium content of concentrates.
- (g) Including secondary.
- (h) Estimate. Source: United States Bureau of Mines.

EXPORTS OF CADMIUM, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Compounds	28	42	46	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Northern Rhodesia—						
Metal	—	—	—	17	48	35
South West Africa (b) ..	450	305	627	1,039	1,267	1,200
Canada	433	347	697	858	867	564
Australia (a)	171	267	162	162	182	252
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Metal	75	142	141	164	249	453
Scrap	—	—	—	1	2	4
France—						
Cadmium (incl. scrap) ..	—	—	r 2	r 14	2	1
Cadmium salts	—	1	1	(d) 1	(d) 1	(d) 1
Germany (Federal)—						
Cadmium	22	60	109	95	57	57
Cadmium oxide	7	11	19	7	16	13
Italy—						
Cadmium (incl. scrap) ..	40	28	424	126	70	24
Cadmium salts	6	4	4	2	—	5
Norway (e)	66	51	74	128	89	70
U.S.S.R.	<i>n.a.</i>	<i>n.a.</i>	153	217	210	254
Belgian Congo	31	30	138	168	443	425
Mexico (c)	943	506	1,275	730	746	689
United States—						
Metal, alloys, dross, flue dust, etc.	29	446	622	573	309	259
Peru	5	14	15	13	18	—
Japan	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	152	116	114

(a) Years ended June 30 of that stated.

(b) Cadmium content of concentrates exported for treatment.

(c) Including cadmium content of flue dust, etc., exported for treatment.

(d) Sulphide only.

(e) Estimated.

IMPORTS OF CADMIUM, ETC.
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Metal	342	715	852	756	849	824
India—						
Cadmium	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	16	61
Australia (b)—						
Cadmium salts ..	(466 lb.)	2	1	2	1	1
New Zealand—						
Cadmium and salts ..	(300 lb.)	—	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Metal	12	20	28	41	37	63
Scrap	1	2	—	1	15	10
France—						
Cadmium	r 101	164	307	358	398	438
Cadmium salts ..	3	20	24	(c) 20	(c) 15	(c) 14
Germany (Federal)—						
Cadmium	247	314	382	604	472	521
Cadmium oxide ..	8	15	11	7	8	12
Italy—						
Cadmium	14	4	—	10	9	—
Cadmium sulphide ..	6	2	4	2	4	5
Sweden	78	132	86	55	115	86
U.S.S.R. (a)	<i>n.a.</i>	<i>n.a.</i>	300	300	300	300
Yugoslavia	5	6	7	7	6	4
Algeria	—	—	—	1	1	—
United States—						
Cadmium	694	180	414	1,391	708	447
Flue dust (cadmium content)	832	662	818	648	625	544
Argentina—						
Cadmium salts ..	5	10	15	—	—	1
Brazil (a)—						
Cadmium	—	8	8	13	4	28
Cadmium salts ..	2	8	1	4	1	—

(a) Total imports.

(c) Sulphide only.

(b) Years ended June 30 of that stated.

CEMENT
PRODUCTION OF CEMENT

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	11,218,000	11,960,000	12,513,000	12,763,000	11,962,000	11,666,000
Kenya	35,118	69,428	128,634	183,596	202,630	238,315
Northern Rhodesia ..	63,000	65,700	79,800	111,000	172,000	187,000
Southern Rhodesia ..	(a) 255,000	320,000	397,000	459,000	476,000	596,000
Uganda	16,913	40,989	49,234	58,957	85,434	104,447
Union of South Africa ..	2,088,948	2,127,970	2,299,562	2,431,511	2,485,416	2,678,635
Canada (b)	3,474,739	3,505,856	3,932,571	4,483,646	5,400,980	5,418,729
Jamaica	99,300	96,500	107,000	130,000	138,000	175,000
Trinidad	—	24,000	121,100	137,100	130,800	147,400
Ceylon	62,632	82,298	84,387	83,371	48,195	79,079
Cyprus	—	—	—	36,258	65,607	81,676
Hong Kong	62,775	98,803	114,687	118,807	102,679	149,966
India	3,780,000	4,397,000	4,487,000	4,928,000	5,601,000	6,100,000
Malaya	31,300	85,000	107,000	102,300	112,200	110,000
Pakistan	596,000	673,000	682,000	774,000	1,076,000	1,073,000
Australia	1,572,800	1,883,700	1,960,000	2,103,000	2,285,000	2,417,500
New Zealand	276,000	318,000	403,000	444,000	531,000	552,000
TOTAL	23,633,000	25,748,000	27,466,000	29,348,000	30,875,000	31,775,000
Irish Republic	464,361	582,943	661,160	700,576	516,336	425,438
OTHER COUNTRIES						
Albania	13,000	15,000	42,000	(c) 74,000	69,000	77,000
Austria	1,371,930	1,596,520	1,826,370	1,905,870	2,095,260	2,120,190
Belgium (d)	4,553,000	4,306,000	4,615,000	4,590,000	4,631,000	3,993,276
Bulgaria	690,000	768,000	799,000	845,000	866,000	919,000
Czechoslovakia	2,283,000	2,522,000	2,846,000	3,098,000	3,614,000	4,045,000
Denmark—						
Portland cement ..	1,176,564	1,130,948	1,160,339	1,083,826	1,046,285	951,000
Special cements ..	63,614	72,144	79,022	84,512	99,226	100,126
Finland	922,000	1,024,000	1,025,000	945,000	930,000	911,000
France—						
Portland cement ..	5,585,095	6,214,238	7,332,979	7,644,900		
Portland blast furnace cements ..	2,712,782	2,358,793	2,230,748	2,234,663		
Slag cements	27,483	67,749	48,708	37,187	1,2507,000	13,420,000
Masonry cements ..	304,240	415,113	388,420	441,233		
Natural cements ..	262,899	311,454	144,370	124,824		
Special cements ..	298,718	291,992	361,882	814,096		
Germany (Federal)—						
Portland cement ..		11,732,000	13,392,000	13,694,000	13,489,000	13,794,000
Portland blast furnace cements ..	(e) 15,135,000	3,284,000	4,052,000	4,332,000	4,295,000	4,480,000
Special cements ..		355,000	452,000	579,000	733,000	810,000
Germany (East)	2,409,000	2,593,000	2,924,000	3,217,000	3,405,000	3,502,000
Greece	734,000	850,000	1,118,000	1,218,000	1,230,000	1,339,000
Hungary	1,039,000	933,000	1,157,000	508,000	968,000	1,276,000
Italy	7,706,391	8,637,781	10,492,713	11,158,358	11,681,245	12,619,000
Luxemburg	145,000	149,000	155,000	160,000	187,000	192,509
Netherlands	847,000	957,000	1,084,000	1,236,000	1,299,000	1,344,000
Norway	742,598	758,330	787,245	880,891	1,000,953	1,014,939
Poland	3,242,000	3,349,000	3,753,000	3,971,000	4,425,000	4,961,600
Portugal	756,681	770,907	766,907	1,007,624	963,695	1,008,009

(a) Year ended June 30, 1953.

(b) Sold or used by producers. Excluding Portland cement made from imported clinker.

(c) United States Bureau of Mines' estimate.

(d) Excluding natural cement.

(e) Including cement clinker.

PRODUCTION OF CEMENT (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Roumania	1,875,546	1,493,988	1,905,118	2,064,920	2,317,390	2,531,043
Saar	280,000	272,000	278,000	324,000	345,000	288,000
Spain—						
Portland cement	2,556,050	3,099,000	f 3,826,995	3,723,000	4,046,340	4,480,620
Natural cement	459,561	401,035	395,520	406,423	469,326	434,290
Other cements	173,090	171,180	(g)	213,130	369,954	253,910
Sweden—						
Portland cement	1,947,040	2,360,915	2,472,489	2,394,168	} 2,410,000	} 2,460,000
Other cements	367,983	65,099	36,953	61,396		
Switzerland	1,556,097	1,788,445	2,083,357	2,341,701	2,471,677	2,165,000
U.S.S.R.	15,709,000	18,692,000	22,129,000	24,465,000	28,451,000	32,800,000
Yugoslavia	1,261,000	1,371,000	1,552,000	1,530,000	1,952,000	1,936,000
Algeria	486,400	624,100	645,000	658,800	699,700	808,900
Angola	28,237	41,496	69,212	85,883	127,417	163,203
Belgian Congo	244,000	341,000	399,000	451,632	457,670	385,260
Canary Islands	—	—	—	—	1,678	n.a.
Egypt	1,080,000	1,217,000	1,349,000	1,330,000	1,443,000	1,488,000
Ethiopia (h)	9,200	13,000	21,500	26,500	22,100	n.a.
French West Africa	59,715	81,690	127,078	143,184	156,000	147,000
Morocco (Northern)	—	—	41,427	—	n.a.	n.a.
Morocco (Southern)	540,400	648,000	701,900	572,000	428,000	386,000
Mozambique	85,550	100,361	134,979	149,049	164,511	n.a.
Sudan	—	—	63,000	66,000	59,000	(e) 64,000
Tunisia	222,539	279,375	377,275	353,800	394,800	339,500
Cuba	231,700	413,400	417,200	409,100	413,600	816,625
Dominican Republic	128,006	157,336	230,778	242,688	275,974	265,324
Guatemala (e)	56,000	61,000	78,000	78,000	92,000	120,000
Haiti	—	—	26,000	44,000	30,100	36,000
Mexico	1,725,000	1,737,000	2,062,554	2,240,703	2,519,141	2,498,642
Nicaragua	23,400	23,100	28,356	41,175	42,358	39,293
Panama Republic	79,000	76,000	72,000	69,000	78,000	(e) 79,000
Salvador	29,501	50,458	56,268	69,988	86,740	85,788
United States (a)—						
Portland cement	44,344,700	45,716,400	49,929,600	53,116,400	50,092,600	52,282,600
Prepared masonry cement (b)	n.a.	n.a.	2,772,800	2,669,900	2,467,700	2,410,600
Natural, slag and hydraulic lime cements (c)	585,500	588,200	158,000	189,300	106,000	87,300
Argentina	1,630,000	1,682,000	1,839,933	1,996,687	2,327,000	2,433,000
Bolivia	33,287	32,997	36,934	32,547	23,284	28,454
Brazil	1,998,350	2,460,156	2,727,583	3,240,870	3,323,000	3,709,000
Chile	557,000	551,000	549,000	759,000	714,000	732,000
Colombia	859,000	911,440	1,029,769	1,201,181	1,192,154	1,194,100
Ecuador	89,811	93,310	143,977	149,403	152,590	157,307
Paraguay	2,619	6,712	11,568	13,364	12,131	7,287
Peru	442,173	475,042	535,965	543,217	536,528	595,387
Uruguay	292,000	292,000	262,000	334,000	410,000	426,000
Venezuela	966,795	1,193,863	1,262,043	1,428,252	1,719,723	1,589,998
Burma	41,200	57,927	59,056	37,900	34,838	30,021
China	3,820,000	4,500,000	4,432,000	6,292,000	6,600,000	9,800,000
Formosa	511,469	527,944	580,517	588,216	618,009	994,225
Indonesia	147,000	145,000	147,000	143,000	247,000	292,000
Iran (d)	52,000	64,000	129,874	220,942	308,444	397,000

(a) Including Porto Rico.

(b) Excluding masonry cement produced by companies which purchase Portland cement for reprocessing.

(c) Including masonry cement from natural, slag and hydraulic lime cement plants.

(d) Years ended March 20 of year following that stated.

(e) Estimated.

(f) Including "other cements".

(g) Included with Portland cement.

(h) Years ended September 10 of that stated.

PRODUCTION OF CEMENT (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Iraq (a)	181,732	223,183	380,202	514,915	658,833	650,120
Israel	457,000	557,000	653,000	604,000	707,000	702,000
Japan—						
Portland cement ..	8,328,000	10,150,000	9,917,000	12,149,000	} 14,940,000	14,748,000
Other cements ..	302,000	360,000	474,000	668,000		
Jordan	—	62,000	n.a.	78,003	105,478	114,081
Korea (South) .. .	41,061	60,229	55,271	45,829	90,524	290,983
Korea (North) (b) ..	295,000	492,000	354,000	591,000	689,000	738,000
Lebanon	309,234	320,821	445,623	479,827	551,427	498,510
Philippine Republic ..	292,270	310,680	402,299	439,248	502,959	631,849
Syria	219,123	245,141	260,114	320,406	309,976	402,000
Thailand	283,000	377,000	380,000	392,000	(c) 440,000	440,000
Turkey	475,130	668,669	808,255	914,633	1,241,278	1,492,562
Vietnam	285,000	250,000	n.a.	n.a.	n.a.	n.a.
TOTAL (c) .. .	154,000,000	166,000,000	186,000,000	201,000,000	211,000,000	226,000,000
WORLD'S TOTAL (c)	178,000,000	192,000,000	214,000,000	231,000,000	242,000,000	258,000,000

(a) Years ended March 31 of year following that stated.

(b) United States Bureau of Mines' estimate.

(c) Estimated.

CHINA CLAY
PRODUCTION OF CHINA CLAY

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain	809,288	972,473	1,144,234	1,196,386	1,223,808	1,208,321
Kenya	—	—	919	1,499	1,140	1,185
Nigeria	—	—	—	213	18	75
Tanganyika	1,204	296	94	18	—	98
Union of South Africa ..	7,785	12,890	10,067	10,376	14,128	24,636
Hong Kong	5,934	6,053	5,432	5,463	6,961	7,621
India	94,422	146,144	117,471	173,102	181,000	182,136
Malaya	1,241	1,352	1,378	1,155	1,510	1,200
Australia	39,722	41,253	45,054	41,089	43,486	37,099
OTHER COUNTRIES						
Austria (crude)	193,743	237,365	256,205	268,062	287,632	295,523
Belgium	37,472	27,868	n.a.	n.a.	n.a.	n.a.
Denmark—						
Crude	10,929	6,266	6,217	5,956	3,629	6,490
Washed and pressed ..	6,225	6,222	6,389	4,795	3,992	5,532
Washed waste	5,665	4,723	7,633	5,874	5,695	4,099
France	(a)165,282	109,000	110,000	115,000	128,000	136,000
Germany (Federal) ..	267,357	290,929	313,301	313,644	325,478	323,559
Greece	12,450	10,383	n.a.	20,000	5,187	n.a.
Italy—						
Crude	62,365	64,582	51,293	53,425	60,264	n.a.
Kaolinic earth	19,090	26,792	39,793	47,198	46,111	n.a.
Portugal—						
Crude	24,137	23,359	18,867	23,860	20,674	34,066
Washed	12,653	15,188	22,771	24,301	26,579	24,735
Kaolinic sand (c) .. .	279	70	n.a.	n.a.	n.a.	n.a.
Spain (crude)	64,855	50,976	65,491	55,661	83,968	88,649
Sweden (washed) (b) ..	1,553	1,707	1,480	1,603	771	n.a.
Algeria	381	374	566	—	—	136,091
Egypt	286	845	2,671	2,428	n.a.	n.a.
Madagascar	50	46	87	25	19	—
Morocco (Northern) ..	143	2	37	—	—	—
Mozambique	—	108	92	262	—	49
United States (d) .. .	1,682,120	1,672,286	1,934,300	2,008,857	1,949,719	1,984,094
Argentina	24,000	26,000	27,000	28,000	22,031	n.a.
Chile	4,626	5,486	3,570	2,854	n.a.	n.a.
Colombia	n.a.	n.a.	n.a.	2,239	6,603	4,000
Peru	(b) 141	(b) 184	(b) 93	(b) 104	65	48
Japan	14,907	12,471	12,161	14,142	15,655	21,035
Korea (South)	r 7,583	9,308	13,920	r 9,239	6,517	21,224

China clay is known to have been produced in Bulgaria, Czechoslovakia, Roumania, U.S.S.R., Brazil, China, Indonesia and Thailand.

(a) Including kaolinic earth.
(b) Sales.

(c) Kaolin content.
(d) Sold or used by producers.

EXPORTS OF CHINA CLAY
(Domestic Produce)

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom	475,956	572,584	683,507	758,651	774,861	754,153
Tanganyika	1,230	256	45	10	—	—
Union of South Africa	56	10	—	—	—	—
Hong Kong	2,491	3,632	4,072	4,107	5,268	4,920
India	n.a.	n.a.	n.a.	n.a.	243	283
Malaya	130	118	259	151	175	81
OTHER COUNTRIES						
Austria	14,904	18,681	26,078	30,146	34,723	31,549
Belgium-Luxemburg						
E.U.	38	525	431	207	16	2
Denmark	499	576	807	963	1,543	318
France—						
China clay	3,241	2,508	2,986	8,301	8,172	8,368
Kaolinic earth	1,242	1,141	1,730	n.a.	n.a.	n.a.
Germany (Federal)	16,482	18,408	24,011	22,336	22,325	23,607
Greece	2,376	3,184	4,376	4,580	9,885	16,299
Italy	21	73	110	172	206	322
Netherlands (a)	429	666	964	461	474	545
Portugal	5,821	7,847	15,565	18,612	18,887	15,252
Spain	5,788	5,142	14,832	3,801	4,343	3,098
Sweden	39	15	17	6	—	—
Algeria	(b) 461	(b) 706	(b) 569	69	—	—
Morocco (Northern)	17	—	37	n.a.	n.a.	n.a.
United States	38,920	43,928	44,491	52,802	48,999	59,303
Argentina	—	2	—	—	59	197
Chile	—	—	394	n.a.	n.a.	n.a.
Japan	2	21	530	415	205	1,166
Korea (South)	n.a.	n.a.	n.a.	n.a.	n.a.	13,388

Czechoslovakia is known to be a large exporter of china clay.

(a) Including pipe clay.

(b) Including Kaolinic earth.

IMPORTS OF CHINA CLAY
(Less Re-exports)

Long tons

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Union of South Africa (b)	1,259	1,679	1,562	2,502	2,411	1,860
Canada	100,769	83,523	106,404	107,488	114,639	116,278
Hong Kong (a)	86	222	106	210	71	80
India	11,675	11,960	15,042	8,664	4,284	5,809
Malaya (a)	2	25	39	41	24	31
Pakistan	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	711	2,834	4,040
Australia	129	433	5,553	9,168	6,631	2,502
New Zealand	741	1,003	1,179	912	1,005	1,261
OTHER COUNTRIES						
Austria	1,079	1,244	2,624	2,674	3,699	2,279
Belgium-Luxemburg						
E.U.	34,927	41,933	45,467	47,262	52,213	39,907
Denmark	19,041	26,187	26,871	28,369	30,398	25,984
Finland	22,186	33,540	44,897	57,218	58,683	61,870
France—						
China clay	36,069	49,006	62,858	81,679	85,320	99,374
Kaolinic earth	1,255	921	744	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Germany (Federal)	89,087	112,879	143,363	156,558	173,210	184,706
Italy	51,217	62,401	72,198	91,336	103,133	94,175
Netherlands (c)	57,931	56,025	67,372	80,133	80,488	78,020
Norway	24,449	25,555	34,528	33,647	37,037	33,873
Portugal	62	110	121	32	162	144
Spain	75	69	396	205	594	1,984
Sweden	53,023	58,970	62,442	76,821	78,588	80,882
Yugoslavia	186	1,272	4,517	4,180	8,053	9,006
Algeria	2,518	2,594	2,982	3,090	3,812	3,306
Angola	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	20	20	13
Morocco—	(e) 328	(e) 1,935	(e) 1,926	1,854	1,803	1,724
Mozambique	9	—	10	19	15	19
Tunisia	5	12	12	16	18	13
Mexico (a)	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,828	2,903	3,840
United States	106,049	119,959	136,068	129,413	119,917	120,296
Argentina	95	1,507	6,734	1,221	2,500	1,745
Brazil (a)	46	58	85	140	219	40
Chile	70	51	37	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia	85	400	107	160	197	586
Ecuador	88	137	219	29	5	6
Peru	102	253	348	360	680	<i>n.a.</i>
Uruguay	1,150	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,042	798
Indonesia	547	778	1,083	1,372	976	753
Iran (d)	3	7	<i>n.a.</i>	5	60	<i>n.a.</i>
Japan	7,197	9,967	10,896	12,173	15,655	14,277
Philippine Republic	149	537	344	313	642	765
Turkey	126	26	51	375	208	110

(a) Total imports.

(b) Including Cornish or china stone.

(c) Including pipe clay.

(d) Years ended March 20 following that stated.

(e) Including kaolinic earth.

**CHROME ORE AND CHROMIUM
PRODUCTION OF CHROME ORE**

Long tons

Producing Country	Estimated Cr ₂ O ₃ content						1958	1957	1956	1955	1954	1953
	1953	1954	1955	1956	1957	1958						
COMMONWEALTH COUNTRIES												
Sierra Leone ..	24,354	18,760	20,742	19,580	15,716	11,611	10,200	7,900	8,700	8,200	6,600	5,200
Southern Rhodesia ..	413,420	395,097	401,076	400,868	583,996	552,540	198,000	190,000	192,000	192,000	280,000	265,000
Union of South Africa ..	713,006	631,196	533,368	616,835	655,014	621,483	319,000	284,000	236,000	280,000	290,000	280,000
Cyprus (a) ..	6,829	9,150	7,912	7,175	6,200	11,274	3,178	4,285	3,719	3,244	2,869	5,158
India ..	64,770	45,507	89,347	52,686	78,942	62,947	31,100	21,800	44,000	25,300	37,700	30,200
Pakistan ..	r 23,435	r 21,859	r 28,401	r 22,746	16,173	24,000	11,200	10,500	13,600	10,900	7,800	12,000
Australia ..	2,741	4,943	—	6,096	3,049	548	1,131	2,094	—	2,624	1,420	274
TOTAL r ..	1,248,555	1,126,512	1,080,848	1,125,986	1,358,700	1,284,000						
OTHER COUNTRIES												
Albania ..	54,000	98,000	r 121,000	137,000	165,000	198,000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Greece ..	36,178	26,346	24,912	77,609	71,447	n.a.	16,000	12,000	11,000	r 35,000	32,000	n.a.
Portugal ..	5	21	—	—	—	—	2	8	—	—	—	—
U.S.S.R. (e) ..	590,000	620,000	670,000	728,000	760,000	790,000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Yugoslavia ..	124,956	122,514	124,214	116,886	118,367	111,775	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Egypt ..	78	522	827	251	102	(b)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cuba ..	r 75,075	71,438	r 95,672	50,622	150,684	63,400	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Guatemala ..	394	130	286	896	(b) 1,000	1,044	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
United States (f) ..	52,515	145,862	136,833	185,412	148,354	128,388	21,500	56,000	54,800	73,052	57,858	51,227
Argentina ..	—	—	—	—	44	n.a.	—	—	—	—	—	n.a.
Brazil ..	3,520	1,882	4,059	4,050	7,811	5,657	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Iran (d) ..	18,170	13,025	9,991	23,147	(c) 37,584	n.a.	8,700	6,200	4,800	11,100	18,000	n.a.
Japan ..	36,981	32,266	26,133	39,238	45,728	41,210	13,000	11,400	9,200	13,700	15,500	14,500
Philippine Republic ..	548,292	444,059	585,610	697,856	714,048	409,735	241,000	157,000	206,000	251,000	255,000	143,000
Turkey ..	637,581	531,520	634,155	819,916	899,740	512,674	306,000	295,000	304,000	394,000	432,000	246,000
New Caledonia ..	119,672	83,611	45,348	48,153	63,241	46,700	64,000	43,500	24,300	25,500	33,000	24,000
TOTAL r ..	2,300,000	2,200,000	2,500,000	2,930,000	3,200,000	2,400,000						
World's TOTAL r ..	3,500,000	3,300,000	3,600,000	4,060,000	4,600,000	3,700,000						

(c) Exports.

(b) Estimated.

(a) Figures relate to salcable production.

(d) Years ended March 20 following that stated. Probably partial production only.

(e) United States Bureau of Mines estimate.

(f) Shipments from mine.

EXPORTS OF CHROME ORE, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Chromium metal ..	275	237	238	224	571	466
Sierra Leone—						
Ore	26,096	15,120	17,750	18,774	16,378	11,211
Southern Rhodesia—						
Ore	422,827	284,355	382,845	455,969	625,775	367,037
Ferro-chrome ..	247	2,294	6,616	7,650	8,108	6,384
Union of South Africa—						
Ore	505,790	458,737	463,723	551,812	631,836	540,870
Canada—						
Ferro-chrome ..	30,200	13,664	11,030	8,837	9,225	9,339
Cyprus—						
Ore and concentrates ..	7,277	9,867	8,570	5,826	5,070	11,840
India—						
Ore	(a) 15,357	(a) 23,353	48,743	41,866	41,164	48,624
Pakistan—						
Ore	19,853	13,200	22,105	34,800	12,805	12,436
OTHER COUNTRIES						
Austria—						
Ore	1,871	1,917	2,271	2,692	1,148	1,445
France—						
Chromium metal ..	12	49	51	70	152	639
Ferro-chrome ..	6,232	6,051	11,615	10,130	11,887	10,623
Germany (Federal)—						
Ore	54	457	410	4,183	577	569
Chromium metal ..	135	109	186	244	519	443
Greece—						
Ore	27,506	22,168	r 38,032	39,522	44,379	29,207
Italy—						
Ferro-chrome ..	67	5	220	1,707	3,407	5
Norway—						
Ferro-chrome ..	14,293	10,562	25,542	22,594	19,338	14,307
Sweden—						
Ore	—	—	15	11	2,821	—
Ferro-chrome ..	5,694	6,325	10,935	10,516	9,263	9,871
U.S.S.R.—						
Ore	n.a.	n.a.	155,500	215,500	254,700	211,600
Yugoslavia—						
Ore and concentrates ..	54,039	8,053	44,773	54,772	35,580	14,180
Ferro-chrome ..	1,853	1,855	3,490	2,857	2,645	7,611
Egypt—						
Ore	556	984	—	207	n.a.	n.a.
Cuba—						
Ore	75,075	8,804	34,184	30,932	111,719	54,346
Guatemala—						
Ore	n.a.	n.a.	538	1,060	726	—
United States—						
Ore	1,041	771	1,197	1,542	747	640
Chromium metal ..	5	1	6	9	10	53
Ferro-chrome ..	542	1,879	4,191	4,943	4,049	1,714
Iran (b)—						
Ore	n.a.	n.a.	n.a.	27,932	37,584	n.a.
Japan—						
Ferro-chrome ..	49	7	2,576	3,570	5,223	4,081
Philippine Republic—						
Ore and concentrates ..	572,581	456,328	407,129	714,463	627,983	390,560
Turkey—						
Ore	667,742	350,929	550,746	631,869	562,102	507,854
New Caledonia—						
Ore	110,379	58,559	87,701	48,413	60,048	41,096

(a) Sea-borne trade only.

(b) Years ended March 20 following that stated.

IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ore	160,375	134,686	151,979	143,373	187,747	178,236
Ferro-chrome	16,821	9,134	26,187	26,211	29,192	25,791
Ferro-silicon-chrome	171	662	1,695	2,313	2,097	1,744
Canada—						
Ore	105,439	33,497	46,298	58,005	99,512	34,051
India—						
Ferro-chrome	50	87	193	77	259	131
Australia (b)—						
Ore	6,264	4,176	4,962	7,312	6,039	8,660
Ferro-chrome	2,157	1,012	994	1,701	1,911	1,240
OTHER COUNTRIES						
Austria—						
Ore	59,695	57,165	57,559	63,054	105,413	54,849
Ferro-chrome	3,391	5,467	6,711	8,384	9,218	5,927
Belgium-Luxemburg						
E.U.—						
Ore	341	415	712	862	1,220	472
Chromium metal ..	1	—	6	12	55	8
Ferro-chrome and silico-chrome	<i>n.a.</i>	1,107	2,224	2,813	1,834	2,031
Denmark—						
Ferro-chrome	151	158	211	356	132	236
Finland—						
Ferro-chrome	715	403	565	612	934	815
France—						
Ore	63,362	57,755	104,529	146,367	126,604	103,969
Ferro-chrome	4	13	20	5	2	19
Germany (Federal)—						
Ore	96,870	204,578	234,320	218,427	173,712	255,249
Chromium metal ..	4	6	30	3	4	6
Italy—						
Ore	13,618	25,975	25,151	34,863	32,565	19,821
Chromium metal ..	32	5	1	8	6	33
Ferro-chrome	2,385	3,240	3,401	6,456	5,870	6,017
Netherlands—						
Ore	231	303	260	457	94	569
Ferro-chrome	<i>n.a.</i>	188	165	258	186	244
Norway—						
Ore	47,317	30,356	77,034	85,461	59,993	46,293
Spain—						
Ferro-chrome	<i>r</i> 483	—	425	332	203	402
Sweden—						
Ore	56,863	40,168	78,826	64,508	87,283	59,545
Ferro-chrome	1,310	1,350	1,881	8,082	5,430	2,398
Yugoslavia—						
Ore	—	541	492	—	12,005	32,070
United States—						
Ore	1,988,063	1,312,561	1,637,499	1,942,014	2,037,135	1,128,069
(Cr ₂ O ₃ content) ..	841,511	543,513	683,286	820,763	877,580	486,113
Ferro-chrome	18,396	8,539	17,319	<i>r</i> 23,195	27,598	14,255
Metal and alloys ..	158	127	239	365	1,209	2,101
Brazil (a)—						
Ferro-chrome	49	114	54	44	83	250
Chile—						
Ferro-chrome	141	70	6	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Japan—						
Ore	19,789	58,543	56,991	133,467	245,797	73,414
Ferro-chrome	10	488	143	91	84	51

(a) Total imports.

(b) Years ended June 30 of that stated.

COAL, COKE AND BY-PRODUCTS

PRODUCTION OF COAL (Including Brown Coal and Lignite)

Long ton

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain—						
Mined—						
Anthracite	3,672,200	3,707,400	3,520,600	3,438,100	3,376,200	3,129,700
Bituminous	208,831,200	210,286,100	206,665,100	206,487,300	206,682,700	198,345,400
Opencast—						
Anthracite	527,800	769,200	849,600	723,500	620,600	765,900
Bituminous	11,176,300	9,327,000	10,516,100	11,357,100	12,948,300	13,581,100
Northern Ireland—						
Bituminous	2,180	2,390	1,243	1,550	3,508	2,971
Nigeria	700,264	635,841	748,499	787,209	815,271	924,419
Southern Rhodesia	2,577,172	2,704,758	3,262,322	3,497,763	3,791,793	3,479,661
Tanganyika	43	522	785	1,488	1,046	1,109
Union of South Africa	28,009,840	28,851,726	31,603,541	33,071,166	34,219,253	36,499,340
Canada—						
Bituminous	10,249,460	9,232,692	9,093,622	9,204,988	8,081,020	6,918,115
Sub-bituminous	2,142,834	2,193,056	2,089,471	2,021,770	1,687,144	1,505,040
Lignite	1,804,736	1,889,946	2,048,050	2,090,751	2,007,868	2,011,764
India	35,980,408	36,880,810	38,226,000	r39,434,000	43,448,538	45,340,000
Pakistan	583,727	553,743	r 529,000	r 646,000	516,000	597,000
Malaya	286,364	224,540	206,118	182,479	152,711	66,452
Australia—						
Bituminous (a)	16,846,196	17,921,841	17,692,362	17,762,401	18,299,901	18,627,439
Sub-bituminous	1,564,649	1,841,198	1,582,388	1,511,433	1,619,195	1,769,049
Brown coal and lignite	8,257,299	9,331,255	10,112,206	10,559,801	10,740,989	11,643,629
New Zealand—						
Anthracite	1,944	2,003	1,505	1,835	1,700	1,975
Bituminous	772,242	811,952	782,210	799,226	830,290	836,684
Sub-bituminous	1,543,492	1,590,914	1,590,194	1,621,206	1,602,584	1,702,707
Lignite	201,037	189,387	182,744	205,449	177,889	178,668
TOTAL	335,732,000	338,946,000	r341,304,000	r345,407,000	351,625,000	347,930,000
Irish Republic—						
Anthracite	71,724	} 151,126	134,500	163,131	163,265	166,289
do. dust	41,440					
Semi-bituminous	37,132	} 51,044	59,200	72,957	73,553	70,174
Other	13,704					
OTHER COUNTRIES						
Albania—						
Brown coal (b)	<i>n.a.</i>	<i>n.a.</i>	} 200,000	200,000	230,000	250,000
Lignite (b)	<i>n.a.</i>	<i>n.a.</i>				
Austria—						
Bituminous	159,014	173,893	168,331	163,244	149,933	138,820
Brown coal	5,486,021	6,185,570	6,514,335	6,623,533	6,768,660	6,391,039
Belgium	29,585,530	28,786,760	29,503,000	29,088,333	28,627,014	26,635,000
Bulgaria—						
Anthracite and bitu- minous	265,000	289,000	288,000	364,000	379,000	374,000
Brown coal	7,948,000	r 8,497,000	9,604,000	10,282,000	11,319,000	12,155,000
Czechoslovakia—						
Bituminous	20,020,000	21,264,000	21,785,000	23,041,000	23,799,000	25,404,000
Brown coal	32,246,000	35,493,000	38,105,000	43,432,000	48,013,000	53,453,000
Lignite	1,562,000	1,769,000	2,003,000	2,136,000	2,198,000	2,487,000

(a) Including semi-anthracite.

(b) Estimated.

PRODUCTION OF COAL (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Lignite	785,000	668,000	788,000	(a)1,402,000	n.a.	n.a.
France—						
Anthracite and						
bituminous	51,764,865	53,554,640	54,462,083	54,261,233	55,899,000	56,808,000
Lignite	1,917,326	1,880,000	2,021,000	2,216,735	2,258,000	2,279,000
Germany—						
Federal Republic (c)—						
Anthracite	5,626,218	5,782,440	5,872,918	6,613,258	6,622,603	6,903,415
Bituminous (d) r .. .	116,912,453	120,261,567	122,825,379	125,721,160	124,477,081	123,633,000
Pechkohle	1,623,504	1,669,603	1,753,167	1,717,083	1,781,942	1,749,000
Brown coal r .. .	83,338,401	86,534,760	89,029,496	93,814,516	95,350,135	92,046,000
East Germany—						
Bituminous	2,596,000	2,606,000	2,640,000	2,700,000	2,710,000	2,857,000
Brown coal	170,024,000	179,040,000	197,444,000	202,615,000	209,237,000	211,575,000
Greece—						
Lignite	437,464	688,959	770,032	785,000	982,000	962,000
Hungary—						
Bituminous	1,961,000	2,397,000	2,649,000	2,334,000	2,241,000	2,585,000
Brown coal	15,944,000	15,767,000	15,991,000	14,751,000	15,289,000	17,491,000
Lignite	2,775,000	3,023,000	3,331,000	3,177,000	3,431,000	3,782,000
Italy—						
Anthracite	67,083	62,587	46,890	52,895	54,546	42,777
Bituminous	1,045,896	994,051	1,070,272	1,007,150	952,916	669,017
Brown coal	745,550	633,564	412,574	r 397,175	387,845	802,608
Netherlands—						
Bituminous	12,102,437	11,880,822	11,707,000	11,468,730	11,196,165	11,692,335
Brown coal	249,349	247,531	251,000	265,478	283,395	251,323
Poland—						
Bituminous	r87,318,000	r90,172,000	92,983,600	93,646,200	92,609,500	93,480,900
Brown coal	r 5,544,000	r 5,816,000	5,949,300	6,085,100	5,862,000	7,421,600
Portugal—						
Anthracite	470,766	425,233	398,085	407,014	490,897	558,190
Brown coal	70,275	64,144	86,444	143,720	180,782	153,892
Roumania—						
Anthracite and bitu-						
minous	362,827	180,000	188,633	187,965	247,000	295,000
Lignite	1,701,955	r 1,874,297	2,257,155	2,487,475	2,851,975	2,901,103
Brown coal	3,345,733	3,347,746	3,561,989	3,694,583	3,845,000	4,074,000
Saar	16,160,000	16,552,000	17,056,000	16,818,000	16,195,000	16,164,000
Spain—						
Anthracite	1,919,484	1,932,921	1,928,271	2,238,200	2,793,701	3,071,000
Bituminous	10,279,933	10,469,728	10,300,283	10,409,282	10,916,852	11,125,000
Lignite	1,763,178	1,726,695	1,806,984	1,897,655	2,478,825	2,610,000
Spitzbergen—						
Norwegian mines	420,748	335,143	317,059	383,864	378,101	283,414
Russian mines (b)	258,743	277,092	305,215	344,298	387,909	379,751
Sweden	280,152	263,059	277,496	289,570	299,388	314,000
U.S.S.R.—						
Bituminous, etc.	220,800,000	239,900,000	r271,700,000	298,900,000	322,000,000	347,000,000
Lignite	94,600,000	101,800,000	r113,100,000	123,500,000	134,000,000	141,000,000

(a) Estimated.

(b) Exports.

(c) Excluding production from "small mines", reported as follows (long tons):

Hard coal. 1953—1,129,400; 1954—989,800; 1955—1,032,600; 1956—1,139,500; 1957—1,161,800; 1958—936,000.

Brown coal. 1953—13,600; 1954—9,600; 1955—24,800; 1956—41,000; 1957—268,000; 1958—239,000.

(d) Including Stockheim hard coal.

PRODUCTION OF COAL (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Yugoslavia—						
Bituminous	910,000	r 966,000	r 1,115,000	r 1,215,000	1,207,000	1,188,000
Brown coal and lignite	10,158,000	r12,458,000	r13,852,000	r15,617,000	16,435,000	17,598,000
Algeria—						
Bituminous	289,906	298,000	297,600	292,500	232,237	123,642
Belgian Congo	310,220	372,955	472,345	412,874	426,223	289,675
Madagascar	4,493	973	50	364	1,110	—
Morocco—						
Anthracite	556,100	478,300	459,600	474,400	512,771	501,944
Mozambique	159,120	139,322	169,821	214,851	265,711	243,674
Greenland	7,000	8,000	7,000	8,000	n.a.	n.a.
Mexico	1,409,696	1,280,320	1,321,762	1,385,862	1,398,355	1,447,000
United States—						
Anthracite	27,633,171	25,967,390	23,396,923	25,803,768	22,623,501	18,902,805
Bituminous	405,749,479	345,949,548	412,024,579	444,639,000	437,586,226	364,302,241
Lignite	2,545,564	3,788,220	2,826,678	2,570,000	2,327,984	2,166,997
Argentina (lignite)	80,794	92,000	133,832	146,670	205,424	254,000
Brazil	1,992,948	2,023,004	2,232,480	r 2,198,775	2,040,654	2,168,000
Chile—						
Bituminous	r 2,309,263	2,231,520	r 2,271,618	2,241,590	2,063,059	1,946,863
Colombia	1,206,000	1,500,000	1,820,000	2,000,000	2,539,112	2,200,000
Peru—						
Anthracite	r 67,828	r 76,547	r 15,389	15,401	16,978	105,072
Bituminous	139,102	126,252	118,620	r 127,793	121,360	114,781
Venezuela	28,979	31,891	29,995	30,292	34,022	35,956
Afghanistan	15,330	15,170	23,000	24,000	27,000	33,213
Burma	n.a.	1,561	7,000	1,345	738	—
China (a)	68,000,000	82,000,000	91,000,000	103,200,000	125,000,000	270,000,000
Formosa	2,354,000	2,084,000	r 2,322,000	2,489,000	2,870,000	3,131,000
Indo-China—						
Anthracite	819,057	971,600	(b)	(b)	(b)	(b)
Indonesia	883,159	r 885,652	r 800,816	815,158	705,958	714,168
Iran	(a) 250,000	(a) 250,000	(a) 250,000	(a) 250,000	(c) 108,461	n.a.
Japan—						
Anthracite	1,075,000	1,228,000	1,335,000	1,394,000	1,653,000	1,618,000
Bituminous	44,714,000	40,817,000	40,415,000	44,425,000	49,261,000	47,266,000
Lignite	1,462,322	1,421,619	1,346,487	1,496,300	1,636,219	1,557,448
Korea (South)—						
Anthracite	r 853,017	r 874,953	1,287,660	r 1,786,700	2,402,661	2,628,706
Lignite	263	—	—	—	—	—
Philippine Republic	152,458	117,738	128,126	149,312	188,132	106,078
Turkey—						
Bituminous	5,067,653	5,623,872	5,420,028	5,795,310	6,176,017	6,446,963
Lignite	1,299,791	2,062,285	2,377,880	2,962,440	3,579,449	3,760,172
Vietnam (North)—						
Anthracite	(d)	(d)	1,080,000	n.a.	n.a.	n.a.
Vietnam (South)—						
Anthracite	(d)	(d)	1,080,000	2,071	12,175	20,384
TOTAL	r1,600,000,000	1,600,000,000	1,750,000,000	1,870,000,000	1,930,000,000	2,050,000,000
WORLD'S TOTAL ..	r1,930,000,000	1,940,000,000	2,100,000,000	2,210,000,000	2,280,000,000	2,400,000,000

(a) Estimated.

(b) See Vietnam.

(c) Year ended March 20 following that stated.

(d) See Indo-China.

PRODUCTION OF COKE

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain—						
Gas-works—coke (a) ..	12,301,200	12,331,400	12,741,000	12,704,000	12,015,000	11,141,000
breeze (a) ..	2,747,200	2,832,400	2,855,000	2,862,000	2,712,000	2,598,000
Coke-ovens—coke ..	17,481,200	17,852,500	18,103,000	19,644,000	20,492,000	18,452,000
breeze ..	1,085,300	1,162,100	1,191,000	1,255,000	1,364,000	1,216,000
Northern Ireland—						
Gas-works ..	169,820	172,300	163,376	159,300	115,000	<i>n.a.</i>
Southern Rhodesia ..						
Union of South Africa ..	1,421,873	1,361,710	1,379,059	1,451,922	1,581,074	1,767,730
Canada—						
Gas-works—coke ..	134,154	141,319	59,943	} r 54,032	44,037	} 3,102,665
breeze ..	28,643	30,231	74			
Coke-ovens—coke ..	3,359,133	2,699,603	3,317,834	} 3,813,125	3,633,821	
breeze ..	275,242	186,185	197,705			
India—						
Gas-works ..	98,284	90,546	91,718	70,665	112,692	122,470
Hard ..	2,011,560	2,323,434	2,601,465	2,495,297	2,663,116	3,023,551
Soft ..	1,472,517	1,538,607	1,650,814	1,652,015	1,721,697	1,785,470
Australia (d)—						
Gas-works—coke ..	1,071,106	r 943,000	1,099,859	1,000,462	922,702	831,615
breeze ..	62,965	366,041	208,218	170,321	152,896	146,196
Coke-ovens—coke ..	1,858,428	2,010,404	2,046,790	2,058,426	2,234,458	2,295,737
breeze ..	90,135	139,758	128,684	170,513	203,979	182,390
New Zealand (b)—						
Gas-works ..	74,672	68,983	66,561	73,705	70,000	69,000
Irish Republic—						
Gas-works (c) ..	88,188	98,650	99,131	94,538	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
Austria—						
Gas-works ..	402,467	449,786	427,616	443,977	397,358	319,259
Coke-ovens ..	1,198,236	1,330,762	1,450,471	1,688,218	1,824,297	1,602,967
Belgium—						
Gas-works ..	19,452	17,700	9,000	1,000	4,000	4,000
Coke-ovens ..	5,851,516	6,049,740	6,497,000	7,155,623	7,043,445	6,797,000
Bulgaria ..						
Czechoslovakia ..	10,000	7,000	10,000	9,997	11,582	<i>n.a.</i>
Denmark (gas-works) ..	6,400,000	6,682,000	7,000,000	7,211,000	7,367,000	7,254,000
Finland (gas-works) ..	433,000	437,000	572,200	544,000	528,000	519,000
France—	117,110	103,963	113,687	95,553	104,824	128,000
Gas-works (sales) ..	2,412,000	2,110,000	1,704,000	} 12,366,000	12,684,000	12,590,000
Coke-ovens ..	8,512,710	9,115,644	10,590,000			
Semi-coke ..	263,981	282,165	296,780			
Germany (Federal)—						
Gas-works ..	3,967,000	4,218,000	4,982,000	5,657,000	5,374,000	4,882,000
Coke-ovens—Hard coke	37,231,000	34,465,000	39,976,000	42,857,000	44,616,000	42,890,000
do. Brown-coal coke	713,000	682,000	611,000	576,000	574,000	589,000
Germany (East)—						
Hard coke ..	2,290,000	2,540,000	2,662,000	2,751,000	2,773,000	2,949,000
Brown-coal coke ..	6,312,000	6,558,000	6,718,000	7,037,000	7,290,000	7,456,000
Greece (gas-works) ..	30,020	26,040	23,195	21,822	21,175	20,519

(a) Excluding coke used for heating retorts.

(b) Sales for years ended March 31 of the year following that stated.

(c) Including coke-breeze.

(d) Years ended June 30 of that stated.

PRODUCTION OF COKE (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Hungary—						
Gas-works			385,000	378,000	408,000	416,000
Coke-ovens—Hard coke	484,000	479,000	30,000	86,000	258,000	366,000
do. Brown-coal coke			61,000	38,000	36,000	n.a.
Italy—						
Gas-works	1,059,832	1,035,533	977,792	985,349	915,782	814,698
Coke-ovens	2,400,104	2,573,577	2,907,503	3,356,882	3,628,772	3,307,264
Luxemburg—						
Gas-works	30,000	32,000	35,000	36,000	35,000	35,000
Netherlands—						
Gas-works	937,000	913,000	854,000	767,000	648,000	558,000
Coke-ovens	3,234,000	3,327,000	3,839,000	4,186,000	4,215,000	4,058,000
Norway (gas-works) ..	62,488	61,484	56,815	58,961	55,309	48,000
Poland	7,776,900	8,386,200	9,877,000	r 10,344,000	10,725,000	10,967,100
Portugal (gas-works)	33,614	34,189	37,782	36,431	33,611	38,620
Roumania—						
Coke-ovens	123,972	107,644	141,689	251,666	428,572	553,708
Saar—						
Coke-ovens	3,532,580	3,607,000	3,877,000	4,264,000	4,380,000	4,216,000
Semi-coke	81,728	90,000	114,000			
Spain—						
Gas-works	223,174	241,348	245,631	257,698	249,775	263,499
Coke-ovens	1,161,388	1,216,658	1,429,537	1,622,898	1,853,977	1,997,577
Sweden (including breeze) ..	700,498	783,011	810,000	845,000	775,000	714,000
Switzerland—						
Gas-works	441,000	438,000	457,000	497,000	484,000	n.a.
U.S.S.R.	36,300,000	39,700,000	42,900,000	45,900,000	47,800,000	50,100,000
Yugoslavia—						
Gas-works	24,662	23,347	23,421	22,688	24,240	25,400
Coke-ovens	291,045	397,747	719,853	908,813	1,020,862	1,014,000
Algeria (gas-works)	92,267	87,460	82,908	86,174	(b) 85,000	(b) 85,000
Egypt	21,052	21,283	22,803	n.a.	n.a.	n.a.
Libya—						
Gas-works	—	—	—	—	n.a.	(b) 5,000
Tunis (gas-works)	15,605	10,547	589	—	n.a.	—
Mexico (coke-ovens)	565,601	392,514	500,252	565,000	674,000	587,000
United States—						
Coke-ovens—						
Coke	63,603,534	51,718,149	64,801,868	e 64,278,787	e 65,947,046	e 47,326,545
Breeze and screenings	4,505,913	3,432,971	4,275,315	e 4,260,547	e 4,341,602	e 3,264,462
Coke-ovens (gas-works)						
(d)—						
Coke	2,104,973	1,015,281	898,323	(a)	(a)	(a)
Breeze and screenings	184,700	76,452	65,957	(a)	(a)	(a)
Beehive—						
Coke	4,681,544	536,655	1,533,582	2,223,468	1,866,097	534,261
Breeze and screenings	74,514	24,574	79,281	88,375	45,115	52,239
Gas-works—						
Coke	211,800	228,486	n.a.	n.a.	n.a.	n.a.
Breeze and screenings	2,155	—	n.a.	n.a.	n.a.	n.a.
Argentina	n.a.	n.a.	138,691	n.a.	n.a.	n.a.
Brazil (c)	326,794	449,575	473,530	468,043	507,000	500,000
Chile	107,814	105,040	106,044	104,000	n.a.	n.a.
Colombia	(b) 20,000	(b) 20,000	246,000	246,000	171,000	296,000
Peru	28,402	r 28,852	30,532	23,967	30,865	32,403

(a) Included with production from coke-ovens.

(b) Estimated.

(c) Volta Redonda only.

(d) By-product coke plants owned by gas companies.

(e) Including production from coke-ovens (gas works).

PRODUCTION OF COKE (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Uruguay (gas-works)—						
Coke	35,101	34,877	30,197	29,578	28,955	30,001
Breeze	5,797	5,797	4,248	4,314	4,997	4,253
China (a)	3,500,000	3,900,000	4,500,000	5,400,000	6,600,000	17,700,000
Formosa	161,700	176,300	172,000	190,200	251,800	213,100
Japan—						
Gas-works	2,107,836	2,169,407	2,335,742	2,644,000	2,971,000	2,840,917
Coke-ovens	3,726,254	3,431,258	3,721,780	4,196,000	4,715,000	4,388,192
Beehive, etc.	968,444	890,668	919,668	1,158,000	1,455,000	1,424,970
Korea (North) (a)	310,000	360,000	390,000	390,000	390,000	420,000
Korea (South)	1,756	1,049	—	—	3,000	1,300
Turkey—						
Gas-works	n.a.	n.a.	n.a.	n.a.	99,336	108,739
Coke-ovens	540,034	501,072	499,457	494,841	538,532	547,930
Semi-coke	n.a.	n.a.	n.a.	n.a.	79,108	80,025

(a) United States Bureau of Mines' estimate.

PRODUCTION OF BRIQUETTES

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain	1,576,000	1,682,000	1,681,000	1,776,000	2,106,000	2,199,000
Canada	632,583	741,911	583,564	671,861	352,249	182,187
Australia (a)—						
Brown-coal briquettes..	544,973	587,252	631,000	634,000	617,989	<i>n.a.</i>
New Zealand	11,760	13,187	13,137	<i>n.a.</i>	15,445	16,349
Irish Republic	1,795	5,818	1,672	2,015	1,800	<i>n.a.</i>
OTHER COUNTRIES						
Belgium	1,311,582	1,356,505	1,512,000	1,789,580	1,793,552	1,020,000
Denmark—						
Brown-coal briquettes..	21,967	23,663	17,957	20,677	25,469	30,112
France	6,848,865	6,626,789	6,600,160	7,736,000	8,126,000	6,968,000
Germany (Federal)—						
Coal briquettes	4,822,000	5,532,000	6,370,000	7,082,000	7,243,000	5,544,000
Brown-coal briquettes..	16,317,000	16,404,000	16,180,000	16,690,000	16,560,000	16,177,000
Germany (East)—						
Brown-coal briquettes..	44,938,000	46,146,000	50,162,000	50,819,000	52,523,000	53,155,000
Netherlands—						
Coal briquettes	890,102	903,976	961,000	1,016,624	1,124,279	1,069,163
Brown-coal briquettes..	82,268	81,110	84,000	76,985	80,165	73,931
Poland—						
Coal briquettes	647,700	664,800	687,800	637,800	654,000	<i>n.a.</i>
Brown-coal briquettes..	155,700	140,400	180,000	184,300	229,000	<i>n.a.</i>
Portugal	82,467	89,898	94,401	99,915	89,842	59,012
Spain	1,145,138	1,093,949	1,163,227	1,274,679	1,360,614	1,409,108
Sweden	1,072	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Switzerland (b)	100,000	100,000	100,000	100,000	100,000	100,000
Algeria	39,465	28,581	24,000	30,133	—	44,724
Morocco	17,759	14,386	16,236	9,666	18,587	17,392
Tunis	10,979	5,606	9,836	4,279	(b) 5,000	1,394
United States (c)	1,589,340	1,450,412	1,454,948	1,355,839	986,412	924,340
Indo-China	<i>n.a.</i>	49,152	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Korea (South)	56,200	72,266	40,314	—	300,000	334,866
Turkey (d)	<i>n.a.</i>	88,573	80,441	66,459	57,852	113,729

(a) Years ended June 30 of that stated.

(b) Estimated.

(c) In addition packaged fuel produced was as follows (long tons):

1953—71,189; 1954—69,071; 1955—61,796; 1956—58,000; 1957—42,221; 1958—31,937.

(d) Sales.

PRODUCTION OF COAL BY-PRODUCTS*

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain—						
Tar (quantity distilled)	2,710,000	2,777,000	2,778,000	2,869,000	2,866,000	2,722,000
Road tar (incl. refined)	593,000	653,000	662,000	608,000	588,000	538,000
Pitch	632,000	547,000	491,000	534,000	446,000	512,000
Motor benzol	197,600	197,600	189,000	204,000	189,000	168,000
Other motor spirits, etc.	117,700	115,300	109,300	90,300	82,700	56,700
Other refined light oils	171,400	186,700	195,700	197,600	227,500	226,700
Creosote-pitch mixture	664,000	780,000	803,000	879,000	1,050,000	899,000
Creosote oil	531,500	464,300	452,000	479,000	428,000	433,000
White naphthalene	7,500	10,300	9,600	10,500	8,700	6,500
Hot-pressed do.	18,500	19,200	20,800	22,600	19,600	24,300
Crude do.	9,100	11,400	19,600	19,000	20,700	25,100
Pyridine bases	890	1,100	1,500	1,500	1,300	1,600
Natural phenol	11,300	12,800	11,800	13,600	14,900	18,600
Refined cresylic acid	46,600	52,000	59,000	67,000	69,000	64,000
Anthracene 40-50%	2,480	2,410	2,600	2,800	3,400	2,300
Canada—						
Tar (crude)	234,207	210,043	221,198	231,791	223,854	<i>n.a.</i>
Tar (refined)	24,323	23,803	18,255	19,571	12,033	<i>n.a.</i>
Pitch	118,515	121,350	106,829	119,817	107,732	<i>n.a.</i>
Creosote oils	65,477	52,188	48,764	45,861	57,067	<i>n.a.</i>
Ammonium sulphate	38,065	31,683	37,165	34,806	27,276	<i>n.a.</i>
Benzol	36,269	26,265	33,270	37,298	34,532	<i>n.a.</i>
Toluol, xylol and naphthalene	9,139	8,472	10,092	10,633	10,018	<i>n.a.</i>
India (coke-ovens)—						
Tar	86,953	70,825	78,008	76,318	111,689	113,134
Benzol	4,370	4,087	3,071	r 2,621	5,570	4,096
Benzene	43	6	266	581	1,763	2,587
Tuluol	96	48	32	38	96	282
Tuluene	627	354	254	198	431	236
Solvent naphtha	299	225	159	154	492	478
Pitch	1,200	931	861	939	1,898	3,004
Naphthalene	76	68	18	38	29	82
Ammonium sulphate	8,866	10,092	11,902	14,281	22,276	24,547
Australia (a)—						
Tar (crude)	209,218	238,550	239,019	278,729	270,762	254,507
Tar (refined)	80,505	90,896	87,796	132,891	145,010	141,805
Tar oils (crude)	17,497	18,089	22,050	<i>n.a.</i>	17,813	17,869
Ammoniacal liquor	99,773	101,197	119,517	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
New Zealand (b)—						
Tar (gas-works)	14,455	15,034	13,017	12,888	<i>n.a.</i>	<i>n.a.</i>
Irish Republic (gas-works)—						
Tar	15,219	14,615	15,256	14,403	<i>n.a.</i>	<i>n.a.</i>
Ammonium sulphate	40	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
Austria—						
Tar	21,419	65,703	23,586	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Benzol	4,422	14,887	2,752	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

*Some of the products are derived from the crude products shown. Duplication, therefore, is unavoidable in many cases.

See page 83 for conversion rates.

See Manufactured Nitrogen Compounds (pages 217-219) for total production of ammonium sulphate.

(a) Years ended June 30 of the year stated.

(b) Sales for years ended March 31 of the year following that stated.

PRODUCTION OF COAL BY-PRODUCTS (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Belgium—						
Tar (crude)	189,096	187,919	214,525	244,406	248,150	243,310
Benzol (crude)	47,741	42,797	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
do. motor	25,958	27,223	36,565	40,675	50,608	54,175
do. industrial	5,376	5,232	7,511	8,633	8,598	8,184
Benzene	14,408	14,928	10,098	11,834	4,869	<i>n.a.</i>
Toluol and xylol	6,050	5,988	3,720	4,098	2,173	1,156
Solvent naphtha	930	957	1,193	1,535	827	386
Ammonium sulphate	59,879	63,900	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Pitch	24,902	19,255	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Denmark (a)—						
Tar (gas-works)	45,340	41,642	44,084	40,559	41,072	39,845
Benzol (crude)	695	1,084	495	405	136	84
Finland (gas-works)—						
Tar	4,994	5,338	<i>n.a.</i>	<i>n.a.</i>	5,388	<i>n.a.</i>
Benzol	634	538	<i>n.a.</i>	<i>n.a.</i>	581	<i>n.a.</i>
Ammonia	315	325	<i>n.a.</i>	<i>n.a.</i>	343	<i>n.a.</i>
France—						
Tar (crude)	559,200	584,305	627,407	682,749	698,153	713,200
Ammonium sulphate	88,317	88,489	100,900	111,800	112,700	114,400
Benzol (crude)	88,031	101,135	114,198	127,542	131,153	135,700
Pitch	169,300	153,238	168,588	203,375	215,250	215,600
Phenol (crude)	7,300	8,710	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Naphthalene	25,000	28,380	35,023	37,812	49,082	59,700
Germany (Federal)—						
Tar (crude)	1,589,428	1,585,351	1,790,397	1,874,000	1,927,000	(b) 1,627,000
Pitch	819,609	782,550	874,149	920,925	950,120	966,024
Tar oils	462,832	486,247	566,188	633,152	673,487	646,578
Naphthalene	69,435	67,240	74,725	87,417	97,687	91,342
Benzol (crude)	437,183	431,999	502,709	537,965	554,989	539,000
Refined benzols	422,003	400,420	469,409	504,241	554,115	559,887
Phenol	7,673	8,141	9,607	10,676	12,172	12,908
Cresol and xylol	13,948	18,461	18,875	18,570	20,823	20,422
Anthracene	34,846	28,815	32,685	39,749	40,619	39,496
Pyridine and bases	717	453	355	790	884	717
Italy—						
Tar	143,257	148,493	162,243	174,087	180,886	170,921
Ammonium sulphate (c)	21,303	30,560	35,496	37,185	40,658	<i>n.a.</i>
Benzol (crude)	25,638	28,285	32,697	34,890	39,139	35,043
Naphthalene (crude)	4,186	6,415	6,256	7,101	6,969	6,751
Distillates	72,298	48,651	51,853	r 52,989	45,834	46,083
Benzol (refined)	19,771	16,622	18,350	21,995	21,831	20,413
Toluol and xylol	6,193	4,651	5,756	6,437	5,799	6,601
Pitch	50,569	58,864	62,037	62,141	57,092	53,226
Solvents	5,057	(d) 1,252	(d) 1,151	(d) 943	(d) 918	(d) 1,033
Netherlands—						
Tar (crude)	143,000	148,000	166,000	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Norway—						
Tar (gas-works)	6,111	6,405	6,642	5,958	6,094	5,500
Poland—						
Benzol (coke-ovens)	<i>n.a.</i>	<i>n.a.</i>	122,500	131,100	137,000	<i>n.a.</i>
Naphthalene	13,885	16,013	22,672	25,061	<i>n.a.</i>	<i>n.a.</i>
Portugal (gas-works)—						
Tar (crude)	<i>n.a.</i>	<i>n.a.</i>	3,668	3,722	2,053	<i>n.a.</i>
Tar (refined)	<i>n.a.</i>	<i>n.a.</i>	120	116	44	<i>n.a.</i>
Creosote	<i>n.a.</i>	<i>n.a.</i>	1,979	1,236	1,466	<i>n.a.</i>
Pitch	<i>n.a.</i>	<i>n.a.</i>	1,843	1,277	1,320	<i>n.a.</i>

(a) Years ended March 31 of year following that stated.

(b) Coke-ovens only.

(c) Gas-works only.

(d) Solvent naphtha only.

PRODUCTION OF COAL BY-PRODUCTS (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
(cont.)						
Spain—						
Tar	61,615	50,454	75,032	83,768	141,173	101,405
Pitch	10,749	15,825	18,780	16,893	23,498	29,089
Benzol	12,166	13,857	18,849	16,991	22,355	28,432
Naphthalene	2,633	2,139	1,868	3,975	4,276	3,638
Ammonium sulphate	87,604	119,947	141,811	134,523	143,962	n.a.
Creosote	6,236	1,654	5,076	8,622	4,184	8,645
Sweden—						
Tar (crude)	33,240	33,470	36,754	38,418	n.a.	n.a.
Other tar	25,433	27,941	27,115	30,518	n.a.	n.a.
Pitch	507	596	911	458	n.a.	n.a.
Benzol, toluol, etc.	4,108	4,198	4,365	4,032	n.a.	n.a.
Distillates, etc.	3,468	3,681	3,884	4,938	n.a.	n.a.
Switzerland—						
Tar (crude) (gas-works)	25,166	25,671	26,130	n.a.	n.a.	n.a.
Algeria—						
Tar (gas-works)	5,704	5,525	4,997	5,440	5,200	5,200
Tunis—						
Tar (gas-works)	1,284	968	192	—	—	—
United States—						
Coke-ovens—						
Tar (crude)	3,541,576	3,059,147	3,644,969	3,559,090	3,732,796	2,860,326
Pitch	786,759	670,608	1,002,446	915,633	825,896	736,134
Sulphate equivalent of ammonia produced (a)	933,496	792,172	933,749	870,359	905,112	660,036
Benzol	591,976	464,793	580,734	581,420	597,508	394,266
do. motor	3,118	8,944	(b)	(b)	4,931	3,736
Naphthalene (crude)	50,418	44,669	82,242	79,044	n.a.	n.a.
Toluol and xylol	150,211	141,632	161,763	155,483	159,407	119,218
Solvent naphtha	20,145	14,688	17,665	18,669	20,123	14,164
Creosote	148,121	105,038	123,092	127,541	n.a.	n.a.
Phenol	4,311	3,902	5,959	4,859	n.a.	n.a.
Other light products	20,325	13,576	21,150	21,334	27,050	15,510
All sources (c)—						
Coal tar	3,562,034	3,080,735	3,644,970	3,559,090	3,732,795	n.a.
Water gas and oil gas tar	287,564	192,479	262,521	205,726	179,915	n.a.
Crude light oil (d)	1,013,637	821,963	1,001,847	979,187	1,006,197	n.a.
Benzol, motor	3,118	8,944	(e)	(e)	(e)	n.a.
do. other	909,147	856,033	1,024,930	1,121,967	1,105,160	969,000
Toluol	133,049	118,627	137,556	139,941	139,359	n.a.
Xylol	34,601	34,186	38,761	39,876	39,575	n.a.
Solvent naphtha	50,196	72,856	86,304	80,147	67,811	n.a.
Other light oil derivatives	48,857	25,683	31,843	30,650	42,810	n.a.
Naphthalene (crude)	140,982	134,925	213,022	219,388	187,619	n.a.
Creosote oil	576,587	466,849	514,687	525,595	505,429	n.a.
Coal tar (e)	35,769	30,996	35,616	n.a.	n.a.	n.a.
Tar, refined (f)	156,620	141,034	148,397	164,235	182,051	n.a.
Tar, road	469,368	344,188	398,620	394,769	405,637	n.a.
Distillate products, others	73,290	90,556	106,869	124,353	149,111	n.a.
Pitch of tar	1,682,000	1,462,000	1,841,000	1,846,000	1,703,000	n.a.
Pitch of tar coke	34,000	21,000	29,000	28,000	25,000	n.a.

(a) Actual ammonium sulphate produced was as follows (long tons):

1953—844,762; 1954—734,659; 1955—876,184; 1956—788,125; 1957—811,520; 1958—571,802.

(b) Included with "Other light products".

(c) Including products obtained from coke-ovens except ammonium sulphate.

(d) Including some material produced from petroleum.

(e) Sold or consumed in coal-tar solution.

(f) Used for paints, etc.

(g) Included with "Other light oil derivatives".

PRODUCTION OF COAL BY-PRODUCTS (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Mexico—						
Tar	7,450	5,516	5,879	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Benzol	3,249	2,907	2,795	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Creosote	7,058	6,840	6,099	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Ammonium sulphate ..	3,559	3,579	3,675	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Brazil (a)—						
Tar	29,813	42,514	45,774	49,862	53,000	<i>n.a.</i>
Benzol	3,195	4,204	3,846	3,969	5,000	<i>n.a.</i>
Toluol and xylol ..	582	772	759	1,185	1,000	<i>n.a.</i>
Solvent naphtha ..	40	71	46	100	60	<i>n.a.</i>
Naphthalene	1,185	1,651	1,832	2,087	2,184	<i>n.a.</i>
Creosote oil	1,454	1,967	1,928	1,791	3,000	<i>n.a.</i>
Ammonium sulphate ..	4,465	6,126	5,872	6,662	5,731	<i>n.a.</i>
Pitch	3,450	1,605	1,908	1,491	2,000	<i>n.a.</i>
Carbolic acid	307	293	<i>n.a.</i>	627	<i>n.a.</i>	<i>n.a.</i>
Chile—						
Tar	17,788	16,394	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Tar	<i>n.a.</i>	<i>n.a.</i>	9,810	6,400	<i>n.a.</i>	<i>n.a.</i>
Benzol	<i>n.a.</i>	<i>n.a.</i>	1,718	1,848	<i>n.a.</i>	<i>n.a.</i>
Ammonium sulphate ..	<i>n.a.</i>	<i>n.a.</i>	1,295	2,000	<i>n.a.</i>	<i>n.a.</i>
Uruguay (gas-works)—						
Tar	2,078	2,493	1,970	2,521	2,623	2,813
Benzol	69	69	154	157	175	165
Tar oil	91	105	97	—	—	—
Pitch	242	255	237	—	—	—
Japan—						
Tar	426,276	421,433	499,985	601,307	631,813	655,411
Benzol (crude)	88,720	87,811	96,291	117,000	130,582	126,656
do. (other)	44,525	47,821	52,769	69,835	58,815	76,046
Toluol and xylol ..	7,937	7,783	8,834	10,948	10,223	14,672
Solvent naphtha ..	4,512	5,149	6,508	7,132	6,534	7,250
Creosote oil	130,010	132,478	138,702	150,182	164,141	156,887
Carbolic acid (crude) ..	4,736	5,232	5,941	7,275	6,862	<i>n.a.</i>
Naphthalene (crude) ..	27,129	27,589	28,605	30,105	27,599	27,166
do. (refined)	12,436	16,145	16,310	23,385	28,564	29,262
Anthracene	4,027	4,547	4,712	4,712	6,450	6,107
Ammonium sulphate ..	88,779	87,705	99,468	114,408	122,099	118,925
Turkey—						
Road tar	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	8,819	10,954
Pitch	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	15,917	15,357
Benzol	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	4,894	4,963
Toluol and xylol ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	357	372
Solvent naphtha ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	175	48
Creosote	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	4,490	4,788
Carbolic acid	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	609	19
Anthracene	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	121	85
Ammonium sulphate ..	4,417	4,169	4,205	4,086	4,323	4,314
Naphthalene	756	402	331	520	650	657

*The following rates have been used for conversion of Imperial gallons to long tons: Tar, 195; Benzol, 250; Creosote, 210; Motor fuel, 310; Toluol, 255; Solvent naphtha, 260; Phenol, 210; Cresylic acid, 214.

(a) Volta Redonda only.

EXPORTS OF COAL, COKE AND BY-PRODUCTS*

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Anthracite—						
smalls and graded ..	809,829	973,168	1,021,590	904,775	914,149	685,313
large	269,591	261,486	267,193	197,766	190,118	138,488
other	191,094	300,723	399,021	505,682	514,972	293,746
Bituminous—						
smalls and graded ..	6,354,353	6,102,549	4,931,136	2,621,772	1,801,445	1,607,778
unscreened	1,673,388	1,218,698	1,101,316	1,019,677	858,174	273,213
large	3,556,436	3,423,303	2,711,336	1,933,703	1,315,767	504,404
other	1,117,233	1,435,695	1,800,958	1,358,591	1,432,064	519,025
Bunkers	2,834,964	2,500,137	2,128,499	1,486,428	1,201,585	840,162
Coke, gas	568,175	646,953	643,468	775,424	923,365	682,491
do. other	858,490	897,309	1,202,944	1,579,419	1,821,322	709,413
Manufactured fuel ..	257,991	247,726	264,231	320,186	225,320	148,167
Tar	83,900	151,936	166,609	114,660	89,250	73,297
Pitch	265,765	255,186	221,163	263,843	232,625	179,524
Gibraltar—						
Coal (bunkers) (b) ..	41,000	31,000	35,450	29,156	34,000	12,000
Malta—						
Coal (bunkers on merchant ships) (b) ..	762	91	295	700	1,298	218
Kenya—						
Coal (bunkers) (b) ..	—	—	—	8	—	14
Mauritius—						
Coal (bunkers) (b) ..	3,193	2,508	746	63	—	—
Nigeria—						
Coal	4,338	} 25,595	99,976	98,393	101,761	98,248
do. (bunkers) ..	733					
Southern Rhodesia—						
Coal	872,657	(a) 34,448	(a) 39,787	(a) 34,554	(a) 158,319	(a) 419,854
Coke	79,179	(a) 46,439	(a) 28,451	(a) 62,188	(a) 113,784	(a) 60,885
Union of South Africa—						
Coal	1,183,483	1,111,818	652,858	r 609,695	592,654	648,220
do. (bunkers) ..	79,548	67,338	33,004	r 35,940	33,798	10,779
Coke	13,344	5,077	579	350	440	1,985
Tar and pitch	355	1,070	2,180	6,553	18,317	9,664
Canada—						
Coal	216,054	183,808	517,238	519,128	353,177	301,853
do. (bunkers) (c) ..	58,613	51,758	50,656	39,165	32,157	25,621
do. do. (d) ..	325,326	230,297	374,285	370,076	384,852	300,431
Lignite	11,870	12,037	12,031	11,378	672	419
Coke	145,206	96,929	99,573	111,191	102,875	102,163
Tar and pitch	4,644	4,468	1	11,961	9,642	6,101
British West Indies—						
Bermuda—						
Coal (bunkers) (b) ..	800	n.a.	n.a.	541	360	n.a.
Jamaica—						
Coal (bunkers) (b) ..	(e) 7,829	11,087	12,370	8,945	—	—
Trinidad and Tobago—						
Coal (bunkers) (b) ..	10,406	2,506	409	108	78	613
Aden—						
Coal (bunkers) (b) ..	35,219	16,347	17,756	20,341	11,661	3,565

*For Ammonium sulphate, etc. see Nitrogen Compounds, pages 220-221.

(a) Federation of Rhodesia and Nyasaland.

(b) Foreign coal. (See imports).

(c) Domestic produce. Shipments from mines to ships' bunkers.

(d) Foreign coal, "ex-warehoused for ships' stores". (See imports.)

(e) Amount imported for bunkers. Figures of actual shipments are not available.

EXPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Ceylon—						
Coal (bunkers) (a) ..	21,985	18,847	13,420	18,781	8,519	2,274
Cyprus—						
Coal (bunkers) (a) ..	1	130	403	823	2,458	90
Hong Kong (re-exports)—						
Coal	8,365	5,397	2,067	234,162	14,392	3,028
Coke	119	49	—	149	127	942
India—						
Coal (by sea)	1,271,399	1,255,224	723,637	915,596	} 1,591,572	} 1,713,872
do. (by land)	(c) 736,425	(c) 758,997	(c) 744,908	888,610		
do. (bunkers— domestic produce)	163,671	154,494	133,947	52,382	n.a.	n.a.
do. (bunkers— foreign produce) ..	450	—	2,534	—	n.a.	n.a.
Coke (by sea)	10,364	14,618	20,321	23,366	} 71,635	} 78,786
do. (by land)	(c) 17,834	(c) 19,065	(c) 54	54		
Tar and pitch (by land)	(c) 187	(c) 532	1,766	2,527	274	200
Malaya (including re-exports)—						
Coal	259	377	8	31	—	15
do. (bunkers) (a) ..	14,549	13,657	8,871	16,389	7,476	4,322
Coke	185	436	222	443	449	364
Tar	167	94	77	72	151	53
Australia (d)—						
Coal	247,042	385,812	281,456	193,813	545,101	836,336
do. (bunkers)	42,623	31,718	25,363	38,749	9,065	11,608
Coke	17,069	28,223	21,885	66,590	129,392	112,760
New Zealand—						
Coal	16	5	3	—	2,902	1
do. (bunkers)	1,649	866	646	670	—	579
Coke	21	60	54	132	517	895
Tar	3	2	—	24	3	1
Irish Republic—						
Coal (bunkers) (a) ..	238	217	606	1,684	1,301	1,268
Coal and coke	13,219	10,647	2,695	7,618	16,667	7,522
OTHER COUNTRIES						
Austria—						
Bituminous	—	9	10	13	134	8
Brown coal	4,924	18,239	45,841	53,978	47,706	39,821
Coke	—	19	11	815	3	15
Tar	2,236	—	1,051	1,224	164	64
Pitch	4,223	35	9,608	16,985	18,087	5,169
Belgium-Luxemburg E.U.—						
Coal	3,959,456	5,364,846	7,098,717	4,475,513	3,868,304	2,779,509
do. (bunkers) (b) ..	14,748	21,938	24,405	18,934	14,113	6,596
Coke	724,582	789,788	667,016	839,405	742,984	828,762
Briquettes	266,886	318,669	440,572	597,477	683,954	184,721
Brown coal briquettes	40	48	524	—	1	—
Tar	826	1,432	4,509	3,822	4,626	5,885
Pitch	47,139	27,027	4,627	15,128	14,679	31,043
Czechoslovakia—						
Coal	n.a.	n.a.	n.a.	547,000	722,000	1,482,000
Brown coal	n.a.	n.a.	n.a.	1,253,000	1,516,000	1,246,000
Coke	1,239,000	1,115,000	1,179,000	1,236,000	1,141,000	1,028,000

(a) Foreign coal (see imports).

(b) Bunkers for foreign ships only.

(c) Year ended March 31 following that stated.

(d) Years ended June 20 of that stated.

EXPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Brown coal briquettes..	1,152	2,714	14,699	20,629	28,577	8,289
Tar and pitch	22,696	17,785	21,932	17,743	12,724	21,526
France—						
Anthracite	1,726	1,408	21,536	20,961	17,119	12,412
Bituminous	7,014,838	7,352,514	12,275,078	6,758,055	5,986,792	4,697,548
Brown coal	1,284	2,342	11,352	1,696	871	—
Coke	236,926	292,217	403,682	212,631	198,999	136,369
Briquettes	30,236	20,977	38,899	34,039	21,817	18,802
Brown coal briquettes	322	448	1,524	68	132	39
Coal, coke and briquettes—						
Bunkers (domestic produce)	15,808	20,565	34,771	16,761	16,451	25,807
do. (foreign produce)	78,448	51,246	33,998	34,825	34,576	11,351
Tar and pitch	2,521	3,181	8,509	26,722	34,412	63,207
Germany (Federal)—						
Coal	13,391,354	16,030,480	12,201,196	11,766,314	12,510,339	10,932,165
do. (bunkers) (a) ..	189,965	200,790	208,173	257,760	240,402	118,125
Brown coal	669	77,722	18,283	8,715	13,166	23,171
Coke	8,959,411	9,530,177	11,088,838	10,790,982	9,892,048	9,229,959
Coal briquettes	363,053	502,986	568,304	617,437	608,294	411,219
Brown-coal briquettes..	1,518,457	1,585,502	1,626,694	1,605,905	1,639,501	1,629,584
Tar and pitch	129,570	145,707	82,235	82,657	110,591	162,114
Germany (East)—						
Coal	12,795	144,615	18,453	10,612	15,196	9,649
Coke	27,066	22,400	39,626	88,000	113,000	77,000
Brown coal briquettes ..	2,900,000	4,032,000	5,137,000	4,392,000	4,678,000	6,092,000
Hungary—						
Coal	421,000	687,000	519,000	213,000	31,000	92,000
Italy—						
Coal (incl. bunkers) ..	2,624	3,124	5,018	10,173	9,472	6,255
Coke	101,104	51,735	71,061	104,038	101,361	18,492
Tar	6	8,557	7,204	516	3,061	3,116
Pitch	17,922	15,410	35,685	29,757	17,738	25,543
Netherlands—						
Coal	291,107	1,034,588	902,125	938,565	972,327	1,296,324
do. (bunkers) (b) ..	195,136	170,829	238,388	194,382	160,724	(a) 6,832
Brown coal	1,681	1,496	10,892	43,910	62,729	44,972
Coke	1,260,529	1,514,049	1,901,942	2,016,468	2,016,521	1,658,470
Briquettes	17,981	107,041	180,151	203,925	305,017	292,443
Brown coal briquettes..	59,217	45,253	33,635	30,418	29,627	28,375
Tar	305	1,614	3,242	6,304	1,692	208
Pitch	7,019	8,761	18,131	10,750	22,923	25,655
Norway—						
Tar	781	3,022	1,757	2,360	1,464	971
Pitch	615	253	94	75	65	539
Poland—						
Coal	23,852,000	23,852,000	23,765,000	18,884,000	13,146,000	15,948,000
Coke	1,792,000	1,897,000	2,205,000	2,247,000	1,895,000	2,036,000
Portugal—						
Coal	302	2,046	6,411	138	96	183
do. (bunkers) (a) ..	1,966	760	2,131	2,261	2,365	1,758
Tar and pitch	101	60	90	75	75	82

(a) Bunkers for foreign ships only.

(b) Including imported coal.

EXPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Spain—						
Anthracite	7,107	3	70,947	51,009	18,951	—
Bituminous (incl. bunkers)	46,401	44,259	68,171	138,569	110,470	51,445
Other coal	6,471	7,026	13,404	13,265	15,596	18,571
Coke	1,123	329	2,867	103,437	80,249	534
Briquettes	1,016	200	—	—	—	—
Tar and pitch	1	—	9	3	1	9
Spitzbergen—						
Coal (including bunkers)	656,182	605,713	433,564	680,782	721,828	663,000
Sweden—						
Coal	57	3,652	993	—	30	39
Coke	30,315	52,709	28,355	24,115	12,024	18,954
Tar, pitch, etc. . . .	6,356	5,789	13,038	7,249	6,530	4,774
Switzerland—						
Coal	2,783	562	13,007	2,439	2,890	3,448
Coke	2,230	6,225	7,619	7,495	2,371	1,707
Briquettes	219	202	10,981	5,257	1,082	561
Tar and pitch (a)	4,517	1,302	410	855	396	485
U.S.S.R.—						
Anthracite			1,414,700	1,562,700	1,747,300	1,861,100
Other coal (d)			2,829,900	4,020,400	6,886,500	7,932,700
Coke (d)			1,591,200	1,933,500	2,161,300	2,378,800
Pitch			170,500	229,200	203,100	204,300
Yugoslavia—						
Bituminous	90,823	87,303	38,920	51,783	29,686	65,697
Brown coal	49,034	64,712	78,484	84,927	92,985	60,962
Lignite	3,778	33,227	—	—	10,451	3,878
Briquettes	n.a.	1,477	374	—	—	30
Pitch	n.a.	147	113	93	7,463	10,200
Tar	6,938	8,474	6,604	17,477	19,294	733
Algeria—						
Coal	89,756	55,059	35,430	(c) 31,747	(c) 18,379	(c) 7,298
do. (bunkers)	86	14	139	65	59	—
do. do. (b)	37,896	—	25,544	11,570	13,174	3,422
Coke	285	12	—	1,639	1,709	7
Briquettes (bunkers)	24	38	69	n.a.	n.a.	n.a.
Tar	346	242	255	18	6	—
Canary Islands—						
Coal	81	84	137	18	68	—
do. (bunkers) (b)	11,927	1,825	—	—	—	—
Cape Verde Islands—						
Coal (bunkers) (b)	4,205	3,272	2,383	5,167	1,169	5
Ceuta—						
Coal	2,190	5,842	844	855	868	485
do. (bunkers) (b)	43,497	32,411	18,962	14,952	4,177	2,757
Egypt—						
Coal (bunkers for foreign ships) (b)	2,355	2,996	1,118	—	n.a.	n.a.
Coke	1	—	—	—	n.a.	n.a.
Madagascar—						
Coal (bunkers)	—	719	90	49	108	6
Morocco—						
Anthracite	171,991	199,149	281,599	210,395	251,672	211,621
Other coal	900	1,213	8,761	23	11,277	8,550
Briquettes	2,371	2,858	2,940	3,881	2,765	4,192
Mozambique—						
Coal (incl. bunkers)	63,217	45,183	23,382	36,141	35,149	46,480

(a) Including pitch from petroleum.

(b) Foreign coal (see imports)

(c) Including briquettes.

(d) May include some foreign produce.

EXPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Mexico—						
Coal and coke	1	2	1	200	—	325
Tar	—	11	23	—	41	1
United States—						
Anthracite	2,432,404	2,545,749	2,814,565	4,682,454	3,867,665	2,035,588
Bituminous	30,143,092	27,714,789	45,783,264	61,207,704	68,162,779	44,892,595
do. (bunkers)	540,196	381,314	397,148	445,506	394,429	n.a.
Coke	464,511	346,049	473,665	585,462	734,146	350,729
Briquettes	91,888	88,311	94,905	95,939	77,200	49,072
Tar and pitch	58,281	38,474	44,796	51,077	51,925	59,634
Chile—						
Coal (including bunkers)	20	18,000	64,000	49,000	61,080	50,000
Coke	110	8,858	2,432	n.a.	n.a.	n.a.
Peru—						
Coal	35,126	18,439	300	5,021	26,329	2,363
Venezuela—						
Coal	474	1,053	—	—	—	n.a.
Formosa—						
Coal (including bunkers)	207,198	100,630	46,473	105,020	29,753	29,833
Indo-China—						
Coal (including bunkers)	301,210	453,522	(d)	(d)	(d)	(d)
Indonesia—						
Coal (including bunkers)	133,678	85,529	46,755	11,365	40,417	19,105
Iran (a)—						
Coal	875	1,122	n.a.	267	792	n.a.
Japan—						
Coal	477,531	315,677	373,325	540,963	118,425	169,238
do. (bunkers)	161,912	100,134	128,966	98,590	36,268	10,170
Coke	713	1,293	37,282	16,193	2,160	3,240
Tar and pitch	9,050	5,020	3,105	18,053	12,608	19,026
Korea (South)—						
Coal	51,448	5	32,827	2	—	27,814
Lebanon—						
Coal	626	1,873	2,349	1,401	1,937	890
Coke	905	722	885	888	998	747
Briquettes	2,411	1,983	1,516	3,002	1,776	1,527
Turkey—						
Coal	7,177	—	—	—	—	—
Vietnam—						
Coal	(b)	(b)	(c) 163,799	(c) —	(c) 411	n.a.

(a) Years ended March 20 following that stated.

(b) See under Indo-China.

(c) South Vietnam only.

(d) See under Vietnam.

IMPORTS OF COAL, COKE AND BY-PRODUCTS*

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Coal	550,715	2,949,350	11,320,301	5,462,311	2,828,385	793,927
Coke	—	8	608	1,404	914	5,834
Manufactured fuel	310	1	34	17	—	—
Tar and pitch	3,164	3,813	4,462	4,419	n.a.	n.a.
Channel Islands—						
Anthracite	113,294	109,609	101,724	130,728	103,954	n.a.
Bituminous	155,519	172,146	192,647	181,093	164,867	n.a.
Coke	14,938	21,535	13,799	6,062	(a) 1,930	n.a.
Gibraltar—						
Coal and coke (b)	48,274	33,711	39,772	30,947	36,000	14,225
Malta—						
Coal (c)	11,264	23,079	17,584	6,652	6,758	7,222
Coke	—	317	218	132	271	246
Gambia—						
Coal, coke and patent fuel	5	105	2	—	3	7
Tar and pitch	5	47	2	12	284	(d) 11
Ghana—						
Coal	97,108	} 106,951	121,261	86,606	109,295	105,668
Coke	332					
Patent fuel	180	} (d) 1,207	(d) 2,368	(d) 1,300	(d) 1,390	(d) 1,084
Tar and pitch	1,622					
Kenya—						
Coal (c)	12,181	19,575	24,629	42,535	32,244	35,082
Coke	1,581	3,995	571	2,373	2,961	2,634
Tar	—	10	26	33	20	7
Mauritius—						
Coal (c)	27,557	26,497	8,846	19,070	16,982	18,572
Coke	129	286	295	424	381	273
Tar	174	12	23	51	15	20
Nigeria—						
Coal	26,041	} (a) 1,203	(a) 263	1,094	835	920
Coke	1,165					
Patent fuel	1	} (d) 550	(d) 699	(d) 525	(d) 601	(d) 804
Tar and pitch	1,655					
Northern Rhodesia—						
Coal	795,439	} (e)	(e)	(e)	(e)	(e)
Coke	14,396					
Tar and pitch	491					
Nyasaland—						
Coal	36,362	} (e)	(e)	(e)	(e)	(e)
Coke	250					
Tar and pitch	2,961					
St. Helena—						
Coal	60	43	44	204	381	64
Sierra Leone—						
Coal	—	} 15,900	30,278	23,690	25,913	30,491
Coke	4					
Briquettes	32,690	} (d) 128	(d) 231	(d) 152	(d) 1,636	(d) 239
Tar and pitch	425					

*For ammonium sulphate, etc., see Nitrogen Compounds, pages 222-228.

(a) Excess of re-exports.

(d) Tar only.

 (b) Imported chiefly for bunkering purposes.
 (See exports).

(e) See Southern Rhodesia.

(c) Includes coal imported for bunkering purposes. (See exports).

IMPORTS OF COAL, COKE AND BY-PRODUCTS, (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Southern Rhodesia—						
Coal	8,262	(c) 134,845	(c) 70,993	(c) 86,605	(c) 51,789	(c) 45,981
Coke	563	(c) 571	(c) —	(c) —	(c) —	(c) (f) 284
Tar	35	(c) 67	(c) 52	(c) 243	(c) 100	(c) 82
South West Africa—						
Coal	68,233	66,457	(d)	(d)	(d)	(d)
Coke	42	31	(d)	(d)	(d)	(d)
Tanganyika—						
Coal	56,842	51,611	5,129	4,456	234	394
Coke	445	994	124	866	628	370
Tar	34	13	25	13	33	34
Uganda—						
Coal	8	88	26	22	33	39
Coke	143	62	260	223	139	2
Tar	52	72	413	161	311	19
Union of South Africa—						
Coal	28,356	1,508	(e) 94,806	(e) 40,163	(e) 49,820	(e) 54,962
Coke	9	9	(e) 5	(e) 13	(e) 26	(e) 12
Zanzibar—						
Coal	5,308	1,950	2,001	657	288	28
Canada—						
Anthracite	2,667,778	2,456,118	2,348,655	2,244,410	1,712,300	1,381,951
do. dust	1,021	3,598	14,294	28,471	6,894	7,351
Bituminous	17,775,246	13,895,438	14,888,103	17,545,823	15,283,528	11,242,029
do. (a)	325,326	230,297	374,285	370,076	384,852	300,431
Brown coal	2,734	2,521	1,382	1,732	1,934	924
Briquettes	114,887	114,431	110,907	113,146	65,452	37,339
Coke	324,669	228,669	315,308	445,328	579,790	272,616
Tar	28,828	4,421	9,310	2,726	6,083	3,426
Pitch	39,287	47,798	66,780	68,284	62,027	55,168
British Guiana—						
Coal	1,898	2,584	1,273	350	568	495
Coke	—	76	86	83	77	98
Patent fuel	1,014	27	78	51	24	25
Tar and pitch	244	(b) 252	n.a.	(b) 352	(b) 400	(b) 238
British West Indies—						
Bahamas—						
Coal	2	1	4	11	—	n.a.
Barbados—						
Coal, coke, and patent fuel	878	1,131	1,255	957	1,048	975
Tar and pitch	n.a.	n.a.	n.a.	n.a.	2,130	3,335
Bermuda—						
Bituminous (g)	1,588	648	838	2,025	1,042	n.a.
Grenada—						
Coal	—	1	—	1	—	n.a.
Coke	7	3	3	1	2	n.a.
Jamaica—						
Coal (g)	16,166	8,054	16,661	5,348	984	420
Coke	377	531	762	635	915	804
Tar and pitch	139	(b) 30	(b) 72	(b) 68	(b) 44	(b) 43
Leeward Islands—						
Coal, coke and patent fuel	1,570	8	1,404	r 1,817	(h) 88	n.a.
St. Lucia—						
Coal	52	42	1	34	57	5
Tar	8	4	5	1	2	6

(a) "Ex-warehoused for ships' stores". (See exports).

(b) Tar only.

(c) Federation of Rhodesia and Nyasaland.

(d) Included with Union of South Africa.

(e) Including South West Africa.

(f) Including patent fuel.

(g) Including imports for bunkering purposes. (See exports.)

(h) Excess of re-exports.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
British West Indies (cont.)—						
St. Vincent—						
Coal	11	4	4	9	2	6
Trinidad and Tobago—						
Coal (c)	13,767	1,080	1,841	(d) 177	1,066	827
Coke	68	227	199	71	65	153
British Honduras—						
Coal and coke	19	22	60	32	14	—
Tar and pitch	2	(b) 14	(b) 4	753	489	966
Falkland Islands—						
Coal	521	917	421	516	6	—
Coke	91	116	42	827	173	95
Aden—						
Coal (c)	40,375	21,649	28,290	25,048	13,747	3,513
Coke	2,607	56	—	(d) 3	24	1
Ceylon—						
Coal (c)	383,139	284,390	184,287	143,811	276,572	172,121
Coke	934	1,099	4,857	3,843	2,459	2,730
Tar and pitch	152	108	(b) 53	(b) 73	(b) 98	(b) 64
Cyprus—						
Coal (c)	1,641	1,788	501	2,828	822	645
Coke	454	445	822	1,460	407	27
Briquettes	169	540	—	—	—	—
Tar and pitch	5	21	14	15	2	3
Hong Kong (a)—						
Coal	206,883	204,619	246,280	435,661	246,108	199,303
Coke	2,558	1,638	3,860	7,264	5,715	5,763
India—						
Coal	31	1	160	405	507	1,329
Coke	—	2,000	2,000	1,982	123	1,070
Tar and pitch	338	431	314	352	5,674	87
Malaya (a)—						
Anthracite	9,319	15,793	25,594	19,302	18,634	15
Bituminous (c)	78,007	49,419	41,569	60,728	70,871	1,875
Coke	2,221	4,334	4,577	5,536	4,376	2,780
Tar and pitch	561	(b) 400	(b) 413	(b) 320	(b) 230	(b) 473
Pakistan—						
Coal and coke	1,192,000	1,101,000	1,063,000	1,328,000	1,316,000	1,396,666
Tar and pitch	(f) 2,356	(f) 2,190	(f) 729	103	4,484	2,536
Australia (e)—						
Coal	136,844	2,051	(h) 4,776	4,117	6,191	9,335
Coke	685	10,981	5,900	3,444	8,206	9,778
Tar and pitch	1,363	1,495	114	82	4,770	2,790
Fiji—						
Coal	18,291	21,240	17,629	15,692	6,098	3,262
Coke	300	415	227	315	165	218
Tar	(g) 843	(g) 470	24	169	22	74
New Guinea (e)—						
Coal and coke	174	967	(£2,236)	35	56	27
New Zealand—						
Coal	101	77	7,129	12,209	12,370	116
Coke	781	194	254	310	293	—
Tar	428	3,999	4,045	10,610	8,659	9,539
Pitch	539	713	1,158	942	1,540	566

(a) Total imports.

(b) Tar only.

(c) Including imports for bunkering purposes. (See exports.)

(d) Excess of re-exports.

(e) Years ended June 30 of that stated.

(f) Year ending March 31 following that stated. Trade by sea only up to 1954 inclusive.

(g) Including bitumen from petroleum.

(h) Excess of re-exports.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
<i>(cont.)</i>						
North Borneo—						
Coal and coke	28	93	79	294	53	79
Papua (a)—						
Coal and coke	161	175	650	62	49	33
Sarawak—						
Coal and coke	4	9	15	20	14	14
Tar	114	65	96	108	138	136
Western Samoa—						
Coal and coke	19	7	9	98	6	7
Irish Republic—						
Anthracite	39,036	50,230	70,535	56,617	41,953	41,966
Bituminous (b)	1,601,944	1,658,811	1,730,787	1,356,181	1,159,610	1,312,262
Coke	15,128	17,398	26,296	16,718	14,399	6,540
Patent fuel	84,886	76,128	80,832	58,555	33,731	12,467
Tar	11,664	14,485	12,511	14,972	16,724	17,892
OTHER COUNTRIES						
Austria—						
Coal	3,376,640	3,807,761	4,039,900	4,314,199	4,489,481	3,664,557
Brown coal	208,489	193,089	188,629	237,415	305,424	237,181
Coke	274,926	343,138	412,754	430,510	529,579	593,855
Briquettes	578,740	516,477	554,497	553,694	601,742	536,947
Tar, pitch, etc.	5,828	3,267	3,239	5,045	5,341	4,739
Belgium-Luxemburg						
E.U.—						
Coal	2,393,722	3,938,049	3,809,594	5,041,838	5,484,679	5,557,903
do. coke	2,977,215	3,068,752	3,597,422	3,660,885	3,859,965	3,625,196
do. briquettes	9,295	34,525	45,028	74,599	93,377	106,777
Brown coal	1,914	1,461	392	415	2,027	3,298
do. do. coke	132	117	130	232	369	1,223
do. do. briquettes	207,797	228,175	243,552	232,906	247,855	254,243
Tar	20,341	14,961	12,065	13,900	12,637	8,580
Pitch	51,721	68,996	46,115	72,667	69,248	31,002
Czechoslovakia—						
Coal	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	3,396,000	2,215,000	2,535,000
Denmark—						
Coal	4,148,703	4,311,339	5,015,661	3,280,582	3,087,659	2,638,891
Coke	1,894,241	2,128,835	2,247,427	2,195,050	1,280,325	1,479,996
Briquettes	14,369	18,625	25,038	24,234	17,111	20,029
Brown coal briquettes	113,828	190,488	231,534	176,929	119,420	196,044
Tar	32	601	—	8	66	42
Pitch	262	192	139	149	242	236
Faroe Islands—						
Coal	6,920	7,175	7,136	4,108	1,425	<i>n.a.</i>
Finland—						
Anthracite	120,567	95,320	132,111	160,492	192,688	246,105
Other coal	1,675,007	1,670,143	2,043,644	1,963,870	2,365,443	1,844,763
Coke	198,031	472,157	424,343	507,118	452,949	345,446
Tar	3,140	501	512	—	142	—
France—						
Anthracite	722,202	1,573,722	1,691,432	2,126,937	2,442,415	2,269,912
Bituminous	6,279,061	6,307,846	6,287,565	11,224,544	12,928,824	8,333,720
Lignite	—	—	377	1,831	1,395	922
Coke	3,504,521	3,127,826	4,625,563	4,637,778	5,006,125	4,388,705
Coal briquettes	282,902	435,120	456,207	472,677	864,146	456,437
Brown-coal briquettes	496,835	465,324	576,813	538,819	569,499	589,159
Tar and pitch	453,679	463,272	395,913	373,059	419,877	426,521

(a) Years ended June 30 of that stated.

(b) Includes coal for bunkering purposes. (See exports).

IMPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Coal	9,310,007	8,222,897	15,640,814	18,131,033	21,087,887	15,926,954
Brown coal	585,233	686,201	890,165	990,743	937,762	895,505
Coke	317,848	361,543	523,523	793,122	476,825	233,124
Coal briquettes ..	—	32,145	106,697	303,966	163,772	57,652
Brown-coal briquettes ..	48,579	34,943	26,115	18,886	20,884	57,704
Tar and pitch	30,818	19,865	56,815	143,642	59,221	85,420
Germany (East)—						
Coal	5,985,000	6,402,000	6,238,000	5,552,000	5,662,000	7,280,000
Brown coal	4,142,000	4,325,000	4,070,000	4,503,000	4,084,000	5,166,000
Coke	2,028,000	2,563,000	2,572,000	2,235,000	2,647,000	2,413,000
Greece—						
Coal	r264,290	r233,495	301,728	214,589	254,698	214,855
Coke	13,640	16,035	16,100	17,201	22,723	31,038
Tar	315	308	831	385	302	688
Hungary—						
Coal	775,000	914,000	780,000	828,000	2,389,000	1,128,000
Coke	872,000	1,071,000	1,184,000	1,037,000	1,081,000	1,116,000
Iceland—						
Coal	47,450	42,783	60,364	42,017	33,291	29,811
Coke	1,062	1,307	2,034	3,321	1,499	3,054
Tar	42	71	76	102	120	103
Italy—						
Anthracite	594,523	669,225	1,049,636	1,002,693	1,145,821	} 8,467,276
Bituminous	8,352,197	8,096,861	8,904,990	9,344,070	10,027,813	
Lignite	74,098	60,733	31,446	31,072	21,128	50,173
Coke	35,554	48,632	56,663	26,263	113,487	257,758
Briquettes	104,069	168,559	181,054	242,687	262,450	194,307
Tar	1,259	22	635	2,495	6,370	3,981
Pitch	46	1,142	940	244	480	101
Netherlands—						
Coal (a)	5,231,061	7,066,395	7,709,628	8,556,655	8,692,925	6,983,495
Brown coal	414	76,495	13,086	—	—	8,518
Coke	305,153	354,193	428,530	429,761	492,656	289,316
Briquettes	256,238	284,258	482,509	449,439	317,905	176,795
Brown-coal briquettes ..	230,756	283,952	306,163	304,923	300,756	301,312
Tar	19,493	13,132	20,322	18,089	16,164	14,437
Pitch	343	5,591	9,883	13,857	14,822	17,697
Norway—						
Coal (b)	754,861	608,264	681,439	616,279	489,829	397,480
Coke	298,358	299,766	456,902	718,685	569,379	501,580
Briquettes	12,166	5,741	9,195	19,157	378	2,852
Tar and pitch, etc. ..	13,053	13,439	10,239	6,475	7,195	11,100
Portugal—						
Anthracite	16,772	8,677	15,908	12,700	15,251	9,991
Other coal	526,883	429,454	461,305	435,287	508,863	355,851
Coke	22,304	20,020	20,306	19,116	22,218	24,687
Briquettes	5,262	3,328	6,315	5,078	3,103	2,710
Tar and pitch	5,813	6,576	7,330	8,683	6,295	4,710
Spain—						
Anthracite	70	8	985	—	26	3,751
Bituminous	769,337	693,065	504,697	324,642	615,683	1,085,122
Coke	215,849	124,497	109,393	3,518	2	—
Briquettes	11,758	17,604	—	—	—	—
Tar and pitch	65,026	59,053	62,450	88,951	62,281	59,420

(a) Of which the amounts imported for bunkering purposes were (long tons): 1953, 179,798; 1954, 163,033; 1955, 226,039; 1956, 175,049; 1957, 143,413; 1958, n.a.

(b) Excluding coal imported from Spitzbergen.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Anthracite	44,855	39,018	46,241	73,495	61,121	29,977
Other coal	3,550,000	2,937,000	3,093,000	2,463,000	2,630,000	1,656,859
Coke	1,982,000	1,975,000	2,473,000	2,789,000	2,368,000	1,582,000
Briquettes	171,672	157,404	162,475	104,975	36,353	63,000
Tar, pitch, etc. ..	5,934	8,853	11,667	10,979	9,940	10,601
Switzerland—						
Coal	1,420,311	1,799,584	1,802,640	2,215,745	2,383,739	1,645,461
Lignite	438	901	562	754	786	307
Coke	592,420	651,264	621,744	717,521	723,164	493,860
Briquettes	294,642	300,155	320,527	336,766	321,514	302,311
Tar and pitch (b) ..	76,896	84,140	78,024	84,735	80,570	88,477
U.S.S.R. (a)—						
Coal	<i>n.a.</i>	<i>n.a.</i>	8,526,700	6,289,400	3,369,100	3,765,600
Coke	<i>n.a.</i>	<i>n.a.</i>	443,300	591,400	365,100	667,300
Yugoslavia—						
Anthracite	49,925	60,546	67,191	96,487	107,104	96,633
Other coal	391,127	546,436	920,139	1,303,509	1,594,481	976,268
Coke	230,525	213,772	94,102	42,779	19,532	45,148
Coke dust	6,057	981	21,732	133	—	10,513
Tar and pitch	233	78	497	394	642	2,474
Algeria—						
Coal	225,748	267,312	307,528	296,135	483,250	504,462
Coke	986	116	95	111	253	265
Briquettes	2,186	2,990	3,793	4,083	4,568	4,629
Tar and pitch	4,836	3,477	997	1,417	4,514	7,090
Angola—						
Coal	23,260	25,360	29,169	14,155	27,443	15,206
Coke	2,599	2,773	1,618	1,547	4,558	2,239
Belgian Congo—						
Coal	130,365	118,243	166,455	127,507	135,480	149,363
Coke	73,864	74,784	97,101	105,479	108,969	76,884
Briquettes	246	25,008	27,170	46	1	402
Pitch	85	103	324	244	361	248
Tar	348	726	305	795	208	263
Cameroon (French)—						
Coal, coke, etc. ..	8,811	48	232	568	997	527
Canary Islands—						
Coal	45,870	35,442	21,928	21,515	28,590	21,937
Cape Verde Islands—						
Coal (c)	2,110	6,901	8,317	—	21	—
Ceuta—						
Coal (c)	111,134	93,574	38,090	34,012	23,407	14,872
Egypt—						
Coal	69,526	r 121,157	r 100,783	64,147	117,946	74,705
Coke	5,637	13,190	9,009	12,707	65,494	202,973
Briquettes	2,302	6,030	591	10,494	650	26
Tar and pitch	5	105	95	—	—	12
Ethiopia (d)—						
Coal	3,233	13,888	11,064	10,644	92	8,614
French Equatorial Africa—						
Coal, coke, briquettes ..	3,505	1,083	2,981	64	152	127
French Somaliland—						
Coal	10,574	—	709	305	69	<i>n.a.</i>
French Togoland—						
Coal and briquettes ..	393	855	41	107	7	—

(a) Total imports.

(b) Including pitch from petroleum.

(c) Imported chiefly for bunkering purposes. See exports.

(d) Years ended September 10 of that stated.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
French West Africa—						
Coal	21,428	15,961	167	3,179	479	275
Briquettes	30,955	44,321	28,815	31,900	99	203
Coke	—	845	684	838	476	584
Madagascar—						
Coal	8,973	13,333	5,150	541	(d) 4,226	(d) 10,949
Coke	126	2,012	74	29	101	44
Briquettes	8,584	3,008	4,295	3,245	(e) —	(e) —
Tar and pitch	163	153	139	128	140	70
Melilla—						
Coal	17,558	16,991	17,073	17,908	22,457	11,129
Morocco—						
Coal	119,916	129,987	107,649	96,639	(b) 70,045	78,158
Coke	6,731	8,381	12,652	4,710	(b) 6,773	6,020
Tar	4,818	3,337	6,147	3,543	25	37
Pitch	1,043	947	1,212	1,143	704	2,204
Mozambique—						
Coal	206,252	221,661	238,392	257,005	272,084	305,980
Coke	479	627	774	573	660	1,081
Tar, pitch and asphalt ..	1,712	3,451	3,176	3,893	5,242	8,939
Reunion—						
Coal and briquettes ..	118	5,359	344	193	254	3,007
Sudan—						
Coal	66,764	27,774	46,396	27,017	32,227	47,679
Coke	490	(c) 15	2,594	—	—	n.a.
Tar	19	—	10	46	30	n.a.
Tunisia—						
Coal	71,666	59,226	36,358	33,902	76,622	19,625
Coke	10,713	11,121	9,425	13,239	10,635	16,481
Briquettes	874	—	—	—	—	—
Tar and pitch	31	765	756	11	180	288
Cuba (a)—						
Coal	41,942	35,543	31,884	19,985	141,162	n.a.
Coke	2,215	20,155	46,797	38,285	39,893	n.a.
Tar and pitch	147	87	99	161	152	n.a.
Dominican Republic (a)—						
Coal, coke, briquettes, etc.	214	1,457	510	938	280	1,427
French West Indies—						
Guadeloupe—						
Coal	52	1,263	8	1,160	1,125	888
Martinique—						
Coal	2,054	27	1,706	848	554	15
Greenland—						
Coal	n.a.	10,848	16,906	10,958	13,177	n.a.
Guatemala (a)—						
Coal	202	272	167	124	403	460
Coke	597	160	65	107	53	89
Honduras—						
Coal	282	92	190	102	206	166
Coke	20	21	11	27	19	21
Mexico (a)—						
Coal	35,071	51,625	40,797	53,098	55,677	39,302
Coke	6,841	14,265	10,098	4,608	3,171	3,026
Tar	212	309	228	260	324	237
Nicaragua (a)—						
Coal	—	4	15	19	21	19
Coke	64	33	89	47	5	49

(a) Total imports.

(b) Morocco (Southern) only.

(c) Excess of re-exports.

(d) Including briquettes.

(e) Included with coal.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Panama Republic (a)—						
Coal	128	92	257	273	200	105
Salvador—						
Coal	121	191	2,358	127	179	71
Coke	112	195	161	285	130	110
Tar	79	64	93	87	50	79
St. Pierre and Miquelon—						
Coal	9,725	10,555	9,429	9,133	12,200	12,133
United States—						
Anthracite	28,074	5,206	152	41	1,016	3,896
Bituminous	155,657	112,734	206,301	226,546	214,869	166,187
Lignite	462	1,069	79	80	—	40
Slack and culm	46,471	63,696	94,645	90,964	112,369	107,827
Coke	140,463	103,376	112,805	116,924	105,313	108,497
Briquettes	87	213	—	284	759	164
Tar and pitch	5,526	53,961	67,439	47,230	16,984	21,649
Argentina—						
Coal	1,165,222	1,482,373	1,158,648	1,330,120	1,137,247	1,331,941
Coke	43,588	45,012	95,706	151,756	133,766	101,600
Tar and pitch	38	148	159	117	299	1,238
Bolivia—						
Coal and coke	4,723	8,879	4,293	10,176	5,085	1,333
Brazil (a)—						
Coal	730,135	760,308	1,102,676	878,712	879,900	557,602
Coke	3,973	34,678	5,033	—	47,079	45,256
Chile—						
Anthracite	1	498	618	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Other coal	196,847	248,000	136,290	33,000	283,760	98,000
Coke	603	—	645	1,000	1,000	<i>n.a.</i>
Tar and pitch	10,514	5,692	4,739	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Coal	209	314	384	80	—	5
Coke	4	49	11	—	48	83
Tar	110	6	5	—	—	—
Peru—						
Coal	72	10	5	67	20	<i>n.a.</i>
Coke	874	189	1,082	834	641	<i>n.a.</i>
Tar	2	9	19	89	68	<i>n.a.</i>
Surinam—						
Coal	4,002	120	2,427	13	10	<i>n.a.</i>
Uruguay—						
Coal	79,776	83,434	90,332	99,092	93,730	100,174
Coke	2,445	4,849	1,552	3,152	1,963	1,891
Venezuela (a)—						
Coal	476	683	890	1,233	1,118	684
Burma (a)—						
Coal	242,027	258,849	189,882	236,532	262,930	335,981
Coke	4,707	10,267	9,209	13,184	15,876	5,396
Formosa—						
Coke	11,709	6,798	3,371	3,562	4,474	4,375
Tar and pitch	2,198	2,949	2,229	2,547	2,031	2,643
Indo-China—						
Coal	5,575	11,149	(b)	(b)	(b)	(b)
Indonesia—						
Coal	51,669	35,929	33,009	42,423	36,741	20,830
Coke	4,046	2,133	214	827	4,264	150
Tar	1,121	785	134	425	822	98

(a) Total imports.

(b) See under Vietnam.

IMPORTS OF COAL, COKE AND BY-PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Iraq—						
Coal	1,158	798	2,295	781	1,465	<i>n.a.</i>
Coke	477	300	895	600	290	<i>n.a.</i>
Tar and pitch	8,694	2,352	1,161	844	266	<i>n.a.</i>
Israel—						
Anthracite	22,613	29,217	17,350	26,422	27,640	20,969
Other coal	991	2,519	1,882	897	1,297	596
Coke	4,691	4,068	—	—	—	—
Japan—						
Anthracite	408,243	362,405	363,175	457,158	724,749	497,460
Other coal	4,434,705	3,188,502	2,553,548	3,303,660	5,605,450	4,074,973
Tar and pitch	39	58	288	43	23,790	4,694
Korea—						
Coal	668,549	886,997	1,048,417	957,623	729,669	545,822
Lebanon—						
Coal	—	4,859	861	2,558	4,046	1,999
Coke	2,531	1,727	2,263	1,762	1,423	3,101
Briquettes	2,165	197	5,897	7,744	—	—
Philippine Republic—						
Coal	10	—	—	136	1	155
Coke	4,843	4,055	6,090	7,573	5,643	6,353
Tar	75	448	376	288	239	272
Portuguese India—						
Coal	<i>n.a.</i>	14,003	3,609	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Coke	<i>n.a.</i>	112	49	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Syria—						
Coal	1,597	2,542	1,949	1,385	1,522	906
Coke	1,297	1,223	717	784	1,104	1,408
Briquettes	2,018	2,018	1,618	2,617	1,881	1,672
Thailand (a)—						
Coal	40,685	82,785	36,809	9,100	15,847	12,450
Coke	2,150	3,416	815	1,071	2,389	1,658
Tar	169	147	70	45	55	<i>n.a.</i>
Vietnam—						
Coal	(b)	(b)	25,731	59,950	47,938	63,469
French Polynesia—						
Coal	3,649	1,968	1,772	984	9	25
New Caledonia—						
Coal	127,475	169,799	163,461	264,048	180,859	160,742

(a) Total imports.

(b) See under Indo-China.

COBALT
PRODUCTION OF COBALT ORE
(Metal content)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Northern Rhodesia (a) ..	841	1,071	662	r 1,021	1,357	1,644
Uganda	—	—	—	(e) 140	(e) 500	(e) 500
Canada (b)	715	1,006	1,482	1,570	1,751	1,126
Australia (c)	11	11	12	12	12	12
OTHER COUNTRIES						
Belgian Congo (d) ..	8,147	8,473	8,432	8,945	8,061	6,410
Morocco	593	r724	744	632	447	910
United States	562	891	1,165	1,605	1,850	2,162
New Caledonia	—	—	—	—	—	128
TOTAL*	11,000	r13,000	13,000	r15,000	15,000	14,000

*Including estimates for cobalt contained in complex ores known to have been produced in Finland, Greece, Norway, Spain and Sweden. Ores containing cobalt are also known to have been produced in China and Korea.

- (a) Refined metal plus estimated cobalt content of cobalt alloy and other cobalt.
- (b) Metal recovered from smelter products plus cobalt contained in cobalt ores and residues exported.
- (c) Estimated cobalt content of cobalt oxide.
- (d) Electrolytic cobalt plus recoverable cobalt in cobalt alloy.
- (e) Stockpiled.

METAL PRODUCTION OF COBALT

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Northern Rhodesia ..	394	588	411	822	1,073	1,048
OTHER COUNTRIES						
France	113	237	301	368	258	394
Germany (Federal) (a) ..	573	849	881	865	853	978
Norway (c)	170	168	203	r242	274	318
Belgian Congo	4,318	5,277	4,993	5,029	5,525	4,717
United States (b)	1,258	1,252	1,585	2,216	1,954	1,624

Cobalt and its compounds are also known to have been produced in the United Kingdom, Canada, Belgium and the U.S.S.R. Annual production in the U.S.S.R. has been estimated as 900 long tons.

- (a) Cobalt and alloys obtained chiefly from pyrite sinter imported from Finland, Norway, Spain, Sweden and other countries. Includes secondary metal.
- (b) In addition, the following amounts of cobalt oxide, hydrate, salts and driers were produced (in terms of cobalt content):

Year	Long tons	Year	Long tons
1953 ..	629	1956 ..	694
1954 ..	540	1957 ..	662
1955 ..	722	1958 ..	580

- (c) Obtained from copper-nickel matte imported from Canada.

EXPORTS OF COBALT, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Cobalt	19	42	r 23	31	877	30
Cobalt oxide	152	151	255	249	314	394
Other compounds	324	353	407	404	534	557
Northern Rhodesia—						
Cobalt	277	563	445	724	1,078	934
Cobalt alloy	1,118	1,215	531	384	170	—
Canada—						
Cobalt ore (Co content)	17	1	—	7	7	—
Cobalt	343	509	689	640	962	457
Cobalt alloys	5	2	6	5	6	4
Cobalt oxides and salts	416	373	732	576	277	233
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Cobalt (b)	1,828	1,344	1,686	1,078	1,110	1,091
France—						
Ingots and scrap	51	39	7	19	34	18
Cobalt salts	4	4	4	1	4	1
Germany (Federal)—						
Cobalt (a)	399	493	362	286	381	453
Cobalt oxide	n.a.	n.a.	n.a.	n.a.	n.a.	108
Sweden—						
Cobalt	2	1	—	7	—	—
U.S.S.R.—						
Cobalt	n.a.	n.a.	122	137	145	206
Belgian Congo—						
Cobalt	4,567	4,972	4,937	4,449	4,828	5,064
Cobalt-copper ingots	8,655	7,929	7,377	9,730	7,094	4,274
Morocco—						
Cobalt ore	5,167	8,700	7,223	6,298	4,727	8,196
United States—						
Cobalt ore, alloys and scrap	169	1,369	1,704	1,363	477	785

(a) Including alloys and scrap.

(b) Exports of cobalt metal are not separately recorded. Figures relate to imports into the United States and Japan from Belgium.

IMPORTS OF COBALT, ETC.
(*Less Re-exports*)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Rondels, pellets and squares	387	1,350	930	734	738	707
Other kinds, including alloys	1,172	1,193	224	134	76	49
Cobalt oxide	590	386	793	591	386	317
Canada—						
Ore	1,914	5	17	1	(800 lbs.)	—
Cobalt oxide	13	3	4	5	5	7
Hong Kong						
Cobalt oxide	(a) 21	21	63	31	2	34
Australia (b)—						
Cobalt ores, etc. ..	3	5	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Cobalt ingots, etc. ..	9	8	21	34	43	38
Cobalt oxide	3	5	10	21	11	36
Cobalt salts	17	37	27	55	21	51
New Zealand—						
Cobalt salts	74	154	260	242	287	323
OTHER COUNTRIES						
France—						
Cobalt ore	3,022	3,980	5,103	4,673	3,801	6,593
Ingots and scrap ..	8	17	21	74	44	18
Cobalt oxide	5	22	37	55	58	141
Germany (Federal)—						
Cobalt ore	123	20	269	46	—	1
Cobalt (d)	77	109	117	227	227	414
Cobalt oxide	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	185
Italy—						
Cobalt (d)	69	88	64	98	102	90
Portugal—						
Cobalt oxide	2	3	3	—	1	3
Sweden—						
Cobalt	36	65	148	110	129	79
Yugoslavia—						
Cobalt	1	3	2	4	4	19
Mexico (a)						
Cobalt	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	22	31	12
United States—						
Cobalt ore (c)	2,542	2,452	2,522	2,136	903	—
Co content	1,100	1,055	1,100	901	371	—
Cobalt metal	6,443	6,352	6,935	5,792	7,220	7,017
Cobalt oxide	272	192	479	370	289	374
Cobalt salts	122	158	161	178	163	105
Argentina—						
Cobalt	22	156	87	13	29	28
Brazil (a)—						
Cobalt oxide	6	42	11	24	24	23
Japan—						
Cobalt ore	—	10	—	4	25	—
Ingots, slabs and grains	233	221	154	470	474	281
Cobalt oxide	73	63	100	140	122	132

(a) Total imports.

(b) Years ended June 30 of that stated.

(c) As recorded in official trade returns. According to U.S. Bureau of Mines includes cobalt alloy.

(d) Including alloys and scrap.

COPPER
PRODUCTION OF COPPER ORE
(Metal content)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain		16	16	9	11	13
Kenya	(a) 531	—	—	(f) 600	(f) 1,500	(f) 1,400
Northern Rhodesia (d) ..	366,795	391,704	352,956	397,736	428,851	393,814
Southern Rhodesia	450	296	1,060	1,725	2,881	7,527
South West Africa	12,047	14,004	21,038	27,864	26,899	28,000
Tanganyika	485	368	580	1,140	1,052	1,581
Uganda	—	—	—	2,884	10,467	10,000
Union of South Africa ..	35,575	41,641	43,669	45,762	44,811	48,763
Canada (g)	226,118	270,296	291,066	316,839	320,633	312,022
Cyprus (e)	21,372	26,838	23,374	35,265	38,996	32,691
India	5,206	7,722	7,880	8,208	8,404	8,170
Australia	36,495	40,857	45,496	53,041	57,173	73,454
Fiji	—	—	—	n.a.	100	n.a.
TOTAL	705,100	793,700	787,100	891,100	941,800	922,000
Irish Republic	—	—	—	—	—	(i) 4,700
OTHER COUNTRIES						
Austria	3,080	3,068	2,654	6,961	2,341	2,467
Bulgaria	n.a.	(i) 5,900	(i) 6,200	5,177	7,086	(i) 7,900
Finland (d)	18,477	19,921	21,165	20,713	25,615	—
France (d)	16	—	26	17	7	350
Germany—						28,411
Federal Republic	2,020	2,323	1,192	962	1,073	1,032
East (b)	15,600	20,400	21,000	21,000	16,300	18,000
Italy	440	575	668	770	686	926
Norway	12,823	13,374	13,767	14,722	14,988	15,626
Poland (c)	4,200	4,700	5,400	7,000	7,400	(b) 7,900
Portugal	737	424	537	952	553	691
Spain (b)	14,000	16,000	16,000	17,000	17,000	17,000
Sweden	13,325	13,004	15,424	16,461	17,790	19,079
U.S.S.R. (b)	340,000	355,000	400,000	425,000	465,000	475,000
Yugoslavia	34,759	31,642	28,659	31,328	(h) 33,202	(h) 33,140
Algeria	137	211	66	143	425	389
Angola	1,451	1,499	963	1,444	1,678	1,506
Belgian Congo (h)	210,734	220,257	231,394	246,016	238,418	229,610
French West Africa	—	81	136	96	—	—
Morocco	1,129	750	735	724	620	1,086
Cuba	15,184	15,571	17,417	14,327	13,666	12,493
Mexico (d)	59,198	53,940	53,812	53,998	59,643	63,937
United States (d)	827,186	745,957	891,580	r 985,854	970,410	874,401
Bolivia (a)	4,393	3,064	3,442	4,373	3,857	2,741
Brazil	—	—	—	652	786	1,250
Chile (d)	357,400	r 357,912	r 426,673	r 482,004	477,952	475,350

(a) Exports.

(b) Estimated.

(c) Source: United States Bureau of Mines.

(d) Amount estimated as recoverable.

(e) Estimated copper content of concentrates, cement copper and cupreous pyrites exported. The copper content of copper concentrates and cement copper produced was as follows (long tons): 1953—15,500; 1954—18,900; 1955—22,200; 1956—26,300; 1957—26,800; 1958—22,800.

(f) Copper content of cement copper.

(g) Blister copper plus recoverable copper in ores and matte exported.

(h) Smelter.

(i) United States Bureau of Mines' estimate.

PRODUCTION OF COPPER ORE (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Ecuador	2	—	15	—	—	—
Peru	34,842	37,818	42,718	45,506	56,271	52,772
Burma (b)	n.a.	100	150	130	130	130
China (a) (b)	8,000	8,000	10,000	12,000	15,000	n.a.
Formosa (d)	r 608	r 809	r 1,295	1,795	2,010	1,651
Japan	57,953	65,228	71,845	77,230	80,417	79,827
Korea (South) (b)	500	350	600	700	450	350
Philippine Republic	12,514	14,122	17,185	26,537	39,744	46,287
Turkey (a)	r 23,382	24,815	23,423	24,372	24,016	22,174
TOTAL	r 2,080,000	r 2,040,000	r 2,300,000	r 2,550,000	2,600,000	2,500,000
WORLD'S TOTAL	r 2,790,000	r 2,830,000	r 3,100,000	r 3,440,000	3,500,000	3,400,000

Copper ore is also known to have been produced in Albania, Czechoslovakia, Hungary and Iran.

(a) Smelter.

(b) Estimated.

(c) United States Bureau of Mines' estimate.

(d) Copper content of concentrates and cement copper.

METAL PRODUCTION OF COPPER

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Northern Rhodesia	362,656	378,656	r342,234	r383,555	416,573	376,541
Uganda	—	—	—	150	7,465	10,831
Union of South Africa	34,443	40,314	42,641	43,466	42,374	47,684
Canada (a)	184,686	229,609	253,178	r 279,421	283,362	285,245
India	4,920	7,161	7,281	7,628	7,848	7,840
Australia	34,159	38,047	37,439	49,030	50,879	64,608
TOTAL	620,864	693,787	r 682,773	r 763,250	808,501	792,749
OTHER COUNTRIES						
Austria (b)	8,453	8,908	9,571	r 9,900	8,755	9,401
Bulgaria	n.a.	(g) 3,000	(g) 4,000	4,500	4,981	(g) 5,900
Finland	23,153	22,214	21,949	22,113	25,419	30,244
Germany—						
Federal Republic	47,400	49,400	51,900	54,400	63,300	69,000
East (e)	21,000	25,000	25,000	25,000	20,000	20,000
Italy	143	125	914	333	277	n.a.
Norway	11,913	12,687	13,520	15,190	15,578	17,291
Poland	12,282	16,745	15,474	19,996	19,612	17,095
Spain	6,118	5,693	5,783	6,197	5,892	4,960
Sweden	17,077	16,355	18,089	16,672	19,171	19,882
U.S.S.R. (c) (e)	340,000	355,000	400,000	425,000	465,000	475,000
Yugoslavia	30,697	29,817	27,814	28,920	33,202	33,140
Angola	1,105	1,705	769	1,273	1,600	1,369
Belgian Congo	210,734	220,257	231,394	246,016	238,418	229,610
Mexico	49,369	41,151	42,585	46,508	55,412	59,919
United States (d)	935,529	844,553	987,970	1,099,421	1,051,915	954,511
Chile	331,916	r332,873	r399,368	r452,014	443,515	430,492
Peru	23,038	26,052	31,127	30,588	40,486	37,859
China (e)	8,000	8,000	r 10,000	r 12,000	15,000	n.a.
Formosa	r 555	r 718	1,156	1,481	1,681	1,637
Japan (f)	62,609	63,707	79,760	91,019	107,251	101,769
Korea (South)	196	r257	r323	r893	780	792
Turkey	23,382	24,815	23,423	24,372	24,016	22,174
TOTAL	r 2,170,000	r 2,110,000	2,400,000	2,630,000	2,600,000	2,660,000
WORLD'S TOTAL	r 2,790,000	r 2,800,000	3,100,000	3,390,000	3,470,000	3,400,000

(a) Copper content of blister and anode copper.

(b) Includes secondary metal.

(c) May include secondary metal.

(d) In addition, secondary metal was recovered as follows (long tons): 1953—855,771; 1954—749,917; 1955—r 883,039; 1956—r 830,950; 1957—751,685; 1958—711,954.

(e) Estimated.

(f) In addition, secondary metal was recovered as follows (long tons): 1953—27,011; 1954—41,102; 1955—31,767; 1956—33,144; 1957—32,726; 1958—20,234.

(g) United States Bureau of Mines' estimate.

EXPORTS OF COPPER, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Bars and ingots	20,735	20,090	15,393	32,091	35,325	55,539
Scrap	824	—	5	433	232	418
Plates, sheets, etc. .. .	6,981	8,533	8,532	7,158	10,505	10,808
Rods and wire	7,892	23,555	40,405	69,266	75,342	98,567
Tubes	3,747	5,161	6,643	10,517	13,802	16,103
Sulphate	45,255	39,193	39,171	47,811	28,427	26,515
Kenya—						
Concentrates	3,002	—	—	—	—	—
Unwrought (a)	—	—	—	—	2,474	3,328
Northern Rhodesia—						
Ore and concentrates .. .	—	(c) 1,429	(c) 4,919	(c) 6,604	(c) 14,362	(c) 23,184
Blister	227,470	(c) 205,655	(c) 172,898	(c) 152,596	(c) 171,169	(c) 146,273
Electrolytic	144,581	(c) 178,595	(c) 168,905	(c) 215,083	(c) 237,441	(c) 256,360
Southern Rhodesia—						
Ore and concentrates .. .	493	(d)	(d)	(d)	(d)	(d)
South West Africa—						
Copper-lead ore (Cu content) (b)	12,284	12,301	21,038	30,559	27,999	28,343
Tanganyika—						
Lead concentrates (Cu content)	485	368	580	1,138	1,052	1,581
Uganda—						
Unwrought (a)	—	—	—	—	7,404	10,967
Union of South Africa—						
Copper-gold concentrates (Cu content) .. .	30	154	137	503	1,580	754
Copper matte (Cu content)	928	1,209	834	1,130		
Ingots, bars and blocks .. .	31,515	40,860	38,606	39,039	38,482	43,985
Canada—						
Ore, matte, etc. (Cu content)	45,677	42,332	37,112	36,602	41,561	27,068
Ingots, etc.	117,852	139,402	136,785	156,111	177,494	200,569
Scrap, slag, etc.	9,507	9,755	16,333	13,030	10,965	9,899
Rods, sheets and strips .. .	5,150	7,186	14,995	8,869	8,646	10,525
Tubes	971	1,526	2,113	1,770	1,884	2,307
Wire	(£704,916)	(£321,800)	(£656,177)	(£706,484)	(£201,213)	(£54,866)
Cyprus—						
Concentrates, cement copper and cupreous pyrites (Cu content) .. .	21,372	26,838	23,374	35,265	38,996	32,691
Hong Kong (including re-exports)—						
Crude and refined, unwrought (a)	—	—	8	—	—	—
Scrap	179	627	1,392	1,434	6,363	252
Bars, sheets, tubes and wire (a)	40	25	112	36	25	750
India—						
Ingots, etc.	345	136	483	214	—	—
Malaya (including re-exports)—						
Ore	—	—	—	1,351	1,600	—
Ingots, sheets, wire, etc. .. .	117	93	57	51	76	103
Sulphate	28	3	6	19	6	2

(a) Including alloys.

(b) Copper content of lead-copper-zinc ores and concentrates.

(c) Federation of Rhodesia and Nyasaland.

(d) Included, if any, under Northern Rhodesia.

EXPORTS OF COPPER, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Australia (b)—						
Ore, etc. (Cu content) ..	1,422	991	4,404	3,949	8,145	8,745
Matte	—	—	—	960	—	493
Blocks and ingots ..	3,630	12,787	5,123	15,112	15,598	16,538
Scrap	207	553	5	2	2	—
Bars, sheets, tubes, etc.	236	1,241	548	1,465	1,440	1,073
Wire	99	801	154	51	680	440
Fiji—						
Ore	—	—	—	597	—	983
New Zealand—						
Scrap	140	368	867	1,892	1,866	1,351
Papua—						
Ore and concentrates ..	n.a.	n.a.	n.a.	21	20	n.a.
Irish Republic—						
Scrap	1,338	1,662	1,716	1,550	1,087	1,063
OTHER COUNTRIES						
Austria—						
Ore	—	1,339	—	2	—	—
Rough copper	1,422	687	1,290	1,418	801	777
Scrap	6	2	114	135	105	141
Bars, sheets, wire, etc. .	34	48	165	430	404	390
Sulphate	451	331	530	1,030	1,517	1,076
Belgium-Luxemburg						
E. U.—						
Rough copper	128,978	125,015	122,485	133,648	117,486	133,943
Scrap	940	954	1,102	614	528	2,377
Bars, sheets, wire, etc. .	16,292	20,904	22,809	22,963	21,514	27,400
Tubes and pipes	1,949	2,951	3,168	3,721	3,751	3,388
Sulphate	13,810	20,422	14,806	17,618	23,057	17,111
Denmark—						
Rough copper	721	521	303	436	200	205
Scrap (a)	2,506	2,239	2,950	3,012	1,781	2,356
Bars, sheets, wire, etc. .	169	135	620	1,556	62	42
Finland—						
Rough copper and scrap	2,373	1,420	1,284	1,315	2,146	10,718
Sheets and wire	1,281	2,861	1,563	1,498	375	2,001
France—						
Ore	—	31	—	—	—	—
Unwrought	84	1,678	115	647	470	585
Scrap	1,260	986	622	403	62	58
Bars and wire	1,276	3,948	3,732	2,185	3,229	5,985
Plates and sheets	785	910	819	696	701	867
Tubes and pipes	439	544	570	965	1,015	1,865
Sulphate	6,803	5,606	9,942	5,494	5,886	5,366
Germany (Federal)—						
Ore	12,594	—	—	2,485	30	—
Unrefined	1,170	390	3,556	2,434	600	1,480
Refined	46,127	40,462	43,641	47,310	45,767	63,195
Scrap (a)	1,366	450	1,394	1,280	1,368	4,519
Bars, sheets, wire, etc. (a)	16,284	26,529	33,969	52,176	52,147	70,206
Sulphate	2,957	4,643	4,490	3,929	5,248	4,875
Greece—						
Ore	—	89	—	n.a.	n.a.	n.a.
Italy—						
Ore	—	—	—	—	1	—
Ingots and alloys	324	35	—	—	45	1
Scrap	—	1	1	1	—	—
Bars, sheets, wire (a) ..	5,213	3,486	4,124	4,520	5,487	8,036
Sulphate	—	2,000	2,577	3,925	3,250	6,610

(a) Including alloys.

(b) Years ended June 30 of that stated.

EXPORTS OF COPPER, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
(cont.)						
Netherlands—						
Ingots and bars ..	288	218	700	771	853	795
Scrap	12,085	9,217	12,971	12,384	10,282	11,694
Sheets, tubes and wire ..	5,663	14,559	9,984	3,564	3,864	11,633
Sulphate	40	17	10	27	33	27
Norway—						
Ore	9,414	11,688	12,358	14,704	12,841	10,538
Matte	14,008	11,694	12,582	13,842	13,005	12,759
Burnt cupreous pyrites ..	2,358	5,000	7,362	17,146	—	—
Rough copper	10,850	12,024	12,560	14,393	14,212	16,635
Scrap (a)	2,282	2,515	3,665	2,680	4,535	2,150
Portugal—						
Rough copper, sheets, etc.	7	17	296	967	434	12
Sulphate	17	18	109	80	67	245
Spain—						
Ingots and bars (a) ..	—	—	—	13	—	5
Sheets, tubes, wire (a) ..	—	—	—	1	—	4
Sulphate	508	—	—	—	—	—
Sweden—						
Rough copper	15,455	18,136	13,884	14,115	15,797	12,682
Scrap	2,594	623	1,812	1,626	342	69
Sheets, tubes, wire, etc. ..	15,952	21,324	21,640	18,416	20,917	24,391
Sulphate	—	1	2	—	5	—
Switzerland—						
Ore, filings and turnings ..	1,207	1,406	1,234	1,749	2,256	2,665
Bars, ingots, etc. (a) ..	1,894	924	1,368	1,095	1,466	2,698
Scrap (a)	506	434	389	493	394	210
Sheets, tubes, wire, etc. (a) ..	9,192	9,770	7,484	8,471	9,428	10,455
U.S.S.R.—						
Crude (including wire) ..	n.a.	n.a.	36,100	51,600	59,600	43,100
Sulphate	n.a.	n.a.	8,000	7,900	9,000	8,000
Yugoslavia—						
Blister	9	—	—	—	—	1
Electrolytic	14,487	10,845	6,145	1,253	197	—
Scrap	101	—	—	—	—	—
Rods, sheets, tubes, etc. ..	218	598	3,077	1,405	4,609	2,255
Sulphate	4,516	1,534	888	672	9,142	133
Algeria—						
Ore	128	921	943	—	431	2,436
Bars, sheets and wire ..	538	1,382	1,802	1,106	1,451	1,785
Scrap	428	613	260	175	284	231
Sulphate	44	69	—	1	1	—
Angola—						
Ore	52	—	—	5	—	—
Ingots	1,416	1,669	1,158	1,473	1,764	1,513
Belgian Congo—						
Blister	103,023	111,151	116,357	126,078	114,160	105,871
Refined	100,822	112,033	111,272	123,594	123,901	130,098
Copper-cobalt ingots ..	8,655	7,929	7,376	9,730	7,094	4,274
Egypt—						
Rough copper and scrap ..	—	152	84	n.a.	n.a.	n.a.
French West Africa—						
Ore	—	—	787	433	—	—
Morocco—						
Ore	4,038	3,699	2,680	1,790	1,674	9,898
Old and scrap	103	203	445	63	79	13
Cuba—						
Ore	87,319	87,577	64,261	60,591	81,260	48,216
Scrap	105	663	1,108	978	517	n.a.

(a) Including alloys.

EXPORTS OF COPPER, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Mexico—						
Ore, concentrates, etc.	38,940	42,296	36,824	39,014	21,843	20,143
Rough copper	49,860	41,617	44,910	45,338	43,329	42,493
United States—						
Ores, matte, blister, etc.						
<i>(Cu content)</i>	442	2,115	11,515	12,248	13,978	10,246
Refined ingots, etc. ..	97,838	192,813	178,410	199,199	308,951	343,632
Scrap	30,864	67,632	27,801	22,929	43,740	19,519
Sheets, rods, wire, etc. .	8,930	4,636	6,893	10,542	11,645	4,640
Pipes and tubes	1,448	1,070	1,153	1,384	1,209	1,436
Sulphate	29,159	26,574	33,377	26,943	30,039	6,471
Bolivia—						
Ore, etc. <i>(Cu content)</i> ..	4,393	3,604	3,442	4,373	3,857	2,741
Chile—						
Ores and concentrates ..	32,574	28,049	26,621	21,000	24,000	} 39,000
Precipitate	751	1,673	1,633	3,000	4,100	
Ingots—						
Blister	126,784	153,700	172,587	206,000	232,271	246,751
Refined	93,747	79,700	101,135	87,000	63,023	52,188
Electrolytic	68,900	112,000	105,708	123,300	149,948	101,236
Bars and sheets	6,049	4,430	9,054	5,467	63	n.a.
Wire	6,336	7,195	13,466	6,879	1,187	19,642
Sulphate	399	181	523	157	—	n.a.
<i>Cu content (a)</i>	313,692	369,304	405,626	445,027	477,431	n.a.
Peru—						
Ore <i>(Cu content)</i>	9,240	10,504	9,325	11,895	13,957	12,559
Matte, etc. <i>(do.)</i>	392	367	441	575	558	643
Bars, etc. <i>(do.)</i>	21,247	25,633	30,357	30,253	34,838	38,631
Precipitate <i>(do.)</i>	480	406	517	488	485	1,185
Formosa—						
Ore	4,132	3,884	7,431	8,657	9,547	10,580
Japan—						
Ingots and blocks	1,782	6,356	11,833	2,767	1,657	1,335
Bars, rods and tubes ..	1,534	4,392	6,179	1,154	564	4,859
Plates, sheets and wire	1,379	14,666	17,814	761	906	1,238
Scrap	—	—	—	—	—	8
Sulphate	299	105	818	11	11	51
Philippine Republic—						
Ore and concentrates ..	8,756	1,330	24,668	87,524	125,961	178,061
Copper-gold-silver concentrates ..	62,015	59,872	64,183	48,329	36,589	22,421
Scrap	184	157	39	241	—	184
Turkey—						
Ore	4,819	3,937	3,665	n.a.	n.a.	n.a.
Ingots	17,418	11,521	11,864	18,892	14,406	12,495

(a) Total metal content of above items (not additional) and of complex ores not shown.

IMPORTS OF COPPER, ETC.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Bars, ingots, etc.—						
Electrolytic	211,138	244,323	244,611	242,880	292,637	308,128
Other refined	6,828	16,972	30,555	34,099	45,238	51,370
Blister	100,124	117,636	121,354	106,290	115,182	95,878
Scrap	1,180	9,363	13,424	1,414	1,343	438
Plates, sheets, etc. .. .	13	51	476	43	15	36
Rods	6	2	1,930	1,875	1,911	2,803
Tubes	10	10	13	75	146	110
Wire	37	36	7	13	51	90
Ghana—						
Rods, sheets, tubes, etc., (a) .. .. .	..	330	263	382	228	268
Wire .. .. .	..	71	70	299	85	166
Kenya—						
Crude, refined, alloys and scrap (b)	248	75	279	52	51	1
Bars, sheets, tubes and wire	1,006	21	205	281	86	70
Sulphate	5	4	43	13	138	14
Mauritius—						
Bars, rods, sheets, wire, etc.	79	29	57	37	67	107
Nigeria—						
Rods, sheets, tubes, etc. (a) .. .. .	..	213	429	422	416	421
Wire .. .. .	..	72	141	76	205	185
Southern Rhodesia—						
Ingots, bars and rods ..	395	(c) 347	(c) 466	(c) 425	(c) 344	(c) 245
South West Africa—						
Bars, sheets, pipes, wire, etc.	288	90	(d)	(d)	(d)	(d)
Tanganyika—						
Crude, refined, alloys and scrap	21	62	33	66	10	1
Sheets, tubes, wire, etc. ..	228	257	92	197	104	92
Sulphate	44	31	41	69	41	31
Uganda—						
Sheets, tubes, wire, etc. ..	135	21	22	32	35	21
Union of South Africa—						
Bars, ingots and slabs ..	11,266	13,629	(e) 12,738	(e) 17,127	(e) 18,616	(e) 23,407
Plates, sheets and tubes ..	706	677	(e) 906	(e) 614	(e) 620	(e) 505
Wire	843	318	(e) 42	(e) 33	(e) 16	(e) 33
Canada—						
Blocks, pigs and ingots ..	4,924	1,521	31	2,269	3,727	1
Scrap	8,110	555	2,010	5,596	3,308	1,298
Bars, sheets, wire, etc. ..	1,881	2,388	2,035	3,374	3,054	5,072
Sulphate	1,782	949	1,011	921	909	1,005
British West Indies—						
Barbados—						
Bars, sheets, tubes, wire (b)	(£619)	(£7,840)	(£21,257)	(£22,347)	80	78
Jamaica—						
Sulphate (c)	(£124,926)	2,238	3,204	4,523	4,021	2,608
Trinidad and Tobago—						
Sulphate	37	23	57	37	28	12
Cyprus—						
Bars, sheets, wire, etc. ..	61	104	60	43	57	50

(a) Including alloys.

(b) Excess of re-exports.

(c) Federation of Rhodesia and Nyasaland.

(d) Included with Union of South Africa.

(e) Including South West Africa.

IMPORTS OF COPPER, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Hong Kong (a)—						
Crude and refined, unwrought (e)	55	7	21	124	528	20
Scrap	98	33	135	636	6,103	381
Bars, sheets, tubes and wire (e)	1,368	186	276	286	403	954
India—						
Ingots, etc.	12,363	18,618	15,247	29,949	43,466	47,861
Scrap	246	1,641	419	473	1,048	2,155
Sheets, tubes, wire, etc. Sulphate	1,742	157	189	459	3,095	1,366
	1,123	1,067	628	1,247	1,738	431
Malaya (a)—						
Ingots, sheets, wire, etc. Sulphate	1,582	783	1,134	1,068	1,383	819
	109	162	197	252	252	47
Pakistan (b)—						
Ingots, cakes, blocks, etc.	49	144	51	r 35	220	264
Scrap	—	—	24	—	—	3
Sheets, tubes, wire, etc. Sulphate	51	49	277	r 1,418	4,061	1,651
	85	40	41	63	156	52
Sarawak—						
Bars, sheets, tubes, wire	12	61	32	61	68	n.a.
Australia (c)—						
Ore and concentrates ..	46	—	30	28	—	—
Blocks and ingots ..	18,360	2,989	28,569	4,691	3,251	1,600
Scrap	1	23	(d) 40	2	10	30
Rods, sheets and tubes ..	3,180	3,110	4,902	2,475	1,472	2,281
Wire	304	77	96	6	5	21
Sulphate	96	678	337	311	165	175
New Zealand—						
Bars, sheets, pipes, etc. Wire	2,943	4,544	4,649	3,990	4,200	5,046
	632	1,104	913	732	2,280	2,904
Sulphate	22	460	450	393	1,083	286
Irish Republic—						
Bars, sheets, wire, etc. .. Sulphate	1,440	1,591	1,241	1,077	915	1,334
	2,481	2,199	1,925	1,932	1,838	2,272
OTHER COUNTRIES						
Austria—						
Ore	—	—	17	80	149	—
Rough copper	8,276	14,466	12,591	11,666	13,988	17,820
Scrap	1,890	1,190	3,382	2,340	737	1,408
Bars, sheets, wire, etc. Sulphate	737	622	574	526	495	590
	—	—	1	3	—	1
Belgium-Luxemburg						
E.U.—						
Ore	581	494	2,916	3,257	1,016	3,521
Matte and rough copper	153,131	172,672	179,572	189,888	177,231	181,649
Scrap	12,116	7,484	13,004	11,661	8,649	9,463
Bars, sheets, wire, etc. .. Tubes	1,794	1,559	1,324	1,156	600	743
	627	681	554	449	595	550
Sulphate	26	16	23	37	29	33

(a) Total imports.

(d) Excess of re-exports.

(b) Years ended March 31 following that stated, up to 1955 inclusive.

(e) Including alloys.

(c) Years ended June 30 of that stated.

IMPORTS OF COPPER, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Denmark—						
Rough copper	3,822	3,143	4,219	2,647	3,983	3,953
Scrap (a)	310	88	202	108	259	57
Bars, sheets, wire, etc.	8,715	12,198	12,829	9,430	10,656	13,149
Sulphate	1,143	1,856	1,712	1,700	2,219	2,415
Finland—						
Rough copper	1,880	2,211	1,323	193	893	527
Bars, sheets, tubes and wire	1,192	642	728	473	380	732
Sulphate	24	49	31	45	15	115
France—						
Ore	—	—	43	2,773	—	—
Unwrought—						
Unrefined	6,362	8,902	6,034	4,915	5,293	4,800
Refined	89,052	126,690	162,492	162,184	178,389	212,163
Scrap	823	1,341	1,845	1,569	3,737	4,615
Bars and wire	271	267	411	240	364	1,148
Plates and sheets	115	59	35	40	94	31
Tubes and pipes	40	36	44	26	51	98
Sulphate	7,757	2,661	5,970	5,726	3,654	3,786
Germany (Federal)—						
Ore	138,682	148,995	156,047	162,457	174,692	134,419
Burnt cupreous pyrites	n.a.	n.a.	840,559	1,070,968	953,579	1,103,666
Matte	8,255	9,257	11,128	12,694	13,394	10,264
Unrefined	46,630	55,264	62,679	68,567	86,819	101,883
Refined	49,190	117,170	139,966	142,740	192,277	227,787
Scrap (a)	37,255	93,076	91,762	54,070	41,413	37,324
Bars, sheets, wire, etc. (a)	468	17,436	15,454	11,838	8,243	17,087
Sulphate	581	1,914	3,414	381	534	376
Greece—						
Rough copper	r 70	r 311	r 85	225	990	1,826
Sulphate	2,038	3,046	6,116	4,805	2,696	4,840
Hungary—						
Crude	4,619	6,501	8,094	8,662	10,350	11,579
Sulphate	8,756	13,001	10,119	14,205	14,481	14,848
Iceland—						
Bars, tubes, wire, etc. ..	296	279	311	196	214	230
Italy—						
Ingots and alloys	69,687	101,701	87,392	108,265	119,283	101,961
Scrap	8,887	17,922	11,990	11,898	12,811	8,038
Bars, sheets and wire (a)	2,323	2,216	1,197	971	1,441	1,718
Sulphate	8,385	5,739	1,724	2,018	3,337	4,026
Netherlands—						
Ingots and bars	16,711	28,154	25,328	22,385	19,564	28,302
Scrap	1,469	2,218	3,534	2,587	2,312	4,007
Sheets, tubes and wire ..	11,259	16,186	17,080	18,501	16,219	12,729
Sulphate	781	1,072	1,102	970	1,128	1,861
Norway—						
Rough copper	3,452	4,891	4,419	3,858	4,329	5,258
Copper-nickel matte	29,576	34,624	37,111	43,795	45,823	48,397
Scrap	34	65	149	158	426	377
Bars, sheets, tubes and wire (a)	8,724	10,439	9,406	9,540	10,312	11,303
Sulphate	112	100	96	306	342	294
Portugal—						
Ore and concentrates	55	—	—	24	1,389	1,863
Ingots, wire, etc.	4,409	5,052	4,646	8,896	14,119	13,162
Sulphate	6,101	5,012	1,364	2,916	2,939	4,998

(a) Including alloys.

IMPORTS OF COPPER, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Spain—						
Ore	—	—	—	—	3,761	1,123
Precipitate and scrap (b)	2,063	2,014	3,236	5,854	2,362	4,225
Ingots and bars (b) ..	7,946	10,844	7,000	17,665	16,230	16,839
Sheets, tubes and wire (b)	320	162	151	368	1,064	279
Sulphate	1,995	2,755	779	1,637	244	2,330
Sweden—						
Ore	41,029	49,899	31,563	19,617	28,419	29,849
Rough copper	29,855	57,799	49,920	50,919	47,694	52,794
Scrap	5,428	1,633	3,748	1,455	1,429	721
Sheets, rods, wire, etc. . .	575	1,814	2,075	3,682	2,374	3,679
Sulphate	531	356	708	901	783	507
Switzerland—						
Ore, filings and turnings	347	2,729	696	112	713	152
Bars, ingots, etc. (b) ..	13,761	28,180	26,292	34,309	38,455	36,036
Scrap (b)	42	1,322	1,170	739	438	405
Sheets, tubes, wire, etc. (b)	3,506	7,754	9,612	8,268	9,110	8,407
Algeria—						
Rough copper	2,363	3,355	3,168	2,978	4,381	3,370
Scrap	1	11	57	—	—	1
Bars, sheets, wire, etc. . .	204	222	162	212	277	699
Sulphate	4,151	3,652	7,944	5,345	6,585	5,465
Angola—						
Bars, sheets and wire ..	95	245	110	115	129	111
Sulphate	10	20	10	16	14	43
Belgian Congo—						
Bars, sheets, wire, etc. . .	<i>n.a.</i>	491	581	364	343	188
Egypt—						
Crude and scrap	166	r 906	599	1,046	384	2,386
Bars, sheets, tubes, etc.	924	510	263	376	206	1,054
Sulphate	1,446	3,150	441	1,448	595	1,701
Morocco						
Bars, sheets and wire ..	1,326	718	671	709	693	803
Sulphate	99	220	94	64	147	73
Mozambique—						
Bars, sheets and wire (b)	141	142	136	434	284	254
Sudan—						
Sulphate	14	134	559	640	101	436
Tunisia—						
Bars, sheets and wire	73	r 152	r 281	116	156	170
Sulphate	373	1,187	518	564	723	666
Costa Rica (a)—						
Bars, sheets and wire (b)	351	303	66	38	47	78
Sulphate	10,931	9,618	14,535	6,523	8,454	1,392
Cuba (a)—						
Ingots and bars	129	163	r 130	r 148	261	<i>n.a.</i>
Sheets, tubes and wire	1,476	1,377	1,883	1,668	1,727	<i>n.a.</i>
Dominican Republic (a)—						
Sulphate	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	704	342	3
Guatemala (a)—						
Sheets and wire	239	216	246	365	828	562
Sulphate and carbonate	7,336	5,649	5,543	5,421	5,456	2,843
Honduras—						
Sulphate	11,287	9,534	7,318	7,237	4,522	1,019
Mexico (a)—						
Ingots	26	11	63	18	80	65
Bars, sheets, alloys, etc.	438	317	273	228	190	120
Sulphate	804	575	217	146	25	1

(a) Total imports.

(b) Including alloys.

IMPORTS OF COPPER, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
United States—						
<i>Cu content of—</i>						
Ore and concentrates	91,079	107,621	100,463	72,089	74,409	81,069
Matte, precipitate, etc.	5,846	4,829	5,702	4,641	4,754	4,398
Blister	249,323	229,815	226,512	246,504	268,913	123,779
Refined ingots, bars and plates	244,742	192,070	180,636	171,261	144,919	111,276
Scrap	6,989	4,243	11,229	4,831	5,180	5,223
Sheets, tubes, wire, etc.	6,213	9,348	19,199	26,256	25,707	37,647
Sulphate	—	—	250	584	109	181
Argentina—						
Ingots, electrolytic . .	12,108	12,969	13,988	2,892	21,682	33,450
Sulphate	—	175	327	1	—	—
Brazil (a)—						
Ore	—	—	459	388	1,132	—
Ingots	18,693	34,419	14,174	19,422	26,638	25,687
Rough	653	2,439	509	242	575	1,031
Plates and sheets . . .	629	1,833	381	135	69	7
Tubes, pipes and wire . .	808	2,101	301	83	176	117
Sulphate	5,225	5,361	2,525	4,697	3,500	4,456
Colombia—						
Ingots, bars and sheets . .	593	703	528	1,039	1,415	601
Sulphate	4,178	6,254	4,670	7,690	7,963	2,366
Peru—						
Bars, sheets, etc. (c) . .	474	267	343	310	366	<i>n.a.</i>
Sulphate	744	558	649	1,549	621	<i>n.a.</i>
Uruguay—						
Bars, sheets and alloys . .	793	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	867	183
Venezuela—						
Sheets	181	173	<i>n.a.</i>	150	338	228
Sulphate	65	112	<i>n.a.</i>	64	94	92
Formosa—						
Ingots	515	717	168	689	—	—
Sheets and wire	69	126	38	143	67	52
Indonesia—						
Bars and sheets	1,267	3,516	2,320	507	721	703
Tubes, pipes and wire . .	760	796	639	794	884	887
Sulphate	812	503	598	529	1,511	237
Iran (b)—						
Ingots, bars and sheets (c)	<i>r</i> 627	<i>r</i> 1,830	<i>n.a.</i>	960	2,766	<i>n.a.</i>
Scrap	315	625	<i>n.a.</i>	321	519	<i>n.a.</i>
Iraq—						
Bars, sheets and wire . .	205	384	323	<i>r</i> 538	798	<i>n.a.</i>
Japan—						
Ore and concentrates . .	40,139	28,310	43,941	128,702	217,431	208,576
Matte	157	101	7	25	3,259	14
Ingots and slabs	555	7,620	4	21,900	49,614	9,721
Scrap	16,960	37,817	1,841	23,241	55,749	2,669
Bars, sheets, wire	71	1	102	224	16,841	290
Philippine Republic—						
Ingots, bars, etc. (c) . .	20	8	<i>n.a.</i>	29	46	502
Sheets, tubes, wire	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	674	1,108	2,304
Sulphate	196	127	105	244	272	173
Turkey—						
Ingots, bars, and sheets	338	616	171	136	173	54
Sulphate	1,434	1,212	797	1,530	2,071	342

(a) Total imports.

(c) Including alloys.

(b) Years ended March 20 of year following that stated.

DIAMONDS

PRODUCTION OF DIAMONDS†

Metric carats

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Basutoland	—	—	450	620	2,500	<i>n.a.</i>
Ghana (b)	2,180,728	2,135,459	2,258,270	2,539,429	3,124,825	3,131,695
Sierra Leone	481,709	400,076	418,077	(a)647,797	(a)863,202	(a)1,490,037
Southern Rhodesia	6	2	—	—	—	—
South West Africa	610,332	683,560	812,848	r 988,653	996,965	903,576
Tanganyika	172,304	326,009	325,523	358,717	390,971	521,064
Union of South Africa	2,717,620	2,858,688	2,628,917	2,585,728	2,578,975	2,702,250
British Guiana	35,306	30,073	33,300	29,816	29,037	33,091
India	2,207	1,955	1,787	1,499	790	1,540
Australia	736	1,564	731	383	312	158
TOTAL	6,200,948	6,437,386	6,479,903	r 7,152,642	7,987,577	8,790,000
OTHER COUNTRIES						
Angola—						
Gem	424,351	422,572	441,789	443,280	524,933	593,833
Industrial	305,025	299,034	301,588	296,755	339,439	407,403
Belgian Congo—						
Gem	564,072	527,737	628,298	626,969	630,923	669,329
Industrial	12,016,198	12,092,377	12,413,199	13,383,509	15,015,807	16,004,145
French Equatorial Africa	140,143	152,528	136,958	145,837	109,231	105,000
French West Africa	179,850	217,650	318,520	389,880	247,138	164,315
Guinea	84,784	96,983	141,147	93,833	122,597	116,000
Venezuela	84,784	96,983	141,147	93,833	122,597	90,004
TOTAL* r	14,000,000	14,100,000	14,700,000	15,700,000	17,300,000	18,400,000
WORLD'S TOTAL*r..	20,200,000	20,500,000	21,200,000	22,900,000	25,300,000	27,200,000

†For values see next page.

*Including an estimate for diamonds produced in Brazil. Diamonds are also known to have been produced in the U.S.S.R., Liberia and Indonesia but no statistics are available.

(a) Exports.

(b) Production was shared by Companies and African diggers as follows:—

	<i>Companies</i>	<i>African diggers</i>
1953 ..	930,793	1,249,935
1954 ..	1,000,480	1,134,979
1955 ..	1,186,827	1,071,443
1956 ..	1,151,160	1,388,269
1957 ..	1,455,249	1,669,576
1958 ..	1,279,043	1,852,652

PRODUCTION OF DIAMONDS†

£ sterling

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Basutoland (c)	—	—	3,000	4,000	17,000	<i>n.a.</i>
Ghana (b)	3,677,000	4,277,000	5,452,000	7,948,765	9,428,465	8,272,508
Sierra Leone	1,685,982	1,400,265	1,567,787	(a)3,457,385	(a)6,425,197	(a)7,183,787
Southern Rhodesia	50	30	—	—	—	—
South West Africa	10,861,923	12,987,648	13,809,000	c 18,043,000	c 17,983,000	c 16,525,000
Tanganyika (b)	1,784,036	3,070,451	3,228,212	2,864,714	3,401,448	4,463,782
Union of South Africa (c)	13,913,979	13,398,280	12,671,880	12,665,931	14,569,000	15,392,000
British Guiana (b)	288,591	247,158	280,952	268,344	289,487	309,024
India	42,132	35,576	30,400	24,525	12,600	28,000
Australia	3,850	10,400	5,600	3,067	3,224	1,572
TOTAL	32,258,000	35,426,000	37,049,000	45,280,000	52,130,000	52,200,000
OTHER COUNTRIES						
Angola	4,405,000	4,147,000	4,272,000	4,266,000	6,161,000	7,134,000
Belgian Congo—						
Gem (b)	934,000	1,510,000	1,675,000	1,474,000	1,625,000	1,791,000
Industrial (b)	5,231,000	7,608,000	7,863,000	9,116,000	11,011,000	12,766,000
French Equatorial Africa	898,000	1,053,000	822,000	890,000	711,000	510,000
French West Africa (b)	} 678,900	} 881,500	} 1,098,900	} 1,224,000	} 883,000	} { 718,000
Guinea (b) .. ..							} 510,000	} 377,000	(b) 946,000	(b) 924,000	(b)1,207,000	} { 366,000
Venezuela						
TOTAL* r	16,000,000	19,000,000	20,000,000	21,000,000	25,000,000	27,000,000
WORLD'S TOTAL* r	48,000,000	54,000,000	57,000,000	66,000,000	77,000,000	79,000,000

†For quantities in metric carats see previous page.

*Including an estimate for diamonds produced in Brazil.

(a) Exports.

(b) Estimated on export value (f.o.b.).

(c) Estimated.

SALES OF DIAMONDS

Sales effected through the Central Selling Organisation of the Diamond Corporation Ltd. were as follows:

	(£ sterling)		
	<i>Gems</i>	<i>Industrial</i>	<i>Total</i>
1953	43,336,109	17,819,832	61,155,941
1954	45,610,010	16,543,115	62,153,125
1955	50,253,946	24,034,749	74,288,695
1956	50,542,240	24,003,770	74,546,010
1957	52,818,096	23,954,016	76,772,112
1958	49,420,695	16,122,691	65,543,386
1959	63,033,187	28,102,756	91,135,943

EXPORTS OF DIAMONDS
(Domestic Produce)

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Ghana .. Ct.	2,164,262	2,125,708	2,276,531	2,518,563	2,930,901	3,280,970
£	3,924,755	4,272,684	5,529,624	7,920,446	8,979,359	8,661,512
Sierra Leone .. Ct.	416,742	443,598	401,423	647,797	863,202	1,490,037
£	1,198,133	1,699,875	1,400,478	3,457,385	6,425,197	7,183,787
South West Africa— Uncut .. Ct.	621,562	550,987	(c)	(c)	(c)	(c)
£ (S.A.)	13,584,782	12,068,070	(c)	(c)	(c)	(c)
Tanganyika— Gem diamonds.. Ct.	94,187	167,927	174,868	170,679	170,674	231,312
£	1,509,179	2,581,073	2,704,718	2,211,326	2,518,917	3,436,889
Industrial diamonds Ct.	76,322	161,985	147,739	186,859	201,928	284,141
£	256,339	526,168	494,719	653,810	723,787	978,166
Union of South Africa— Uncut .. Ct.	916,202	818,559	b 1,451,928	b 1,372,727	b 1,435,478	b 1,336,403
£ (S.A.)	8,253,036	7,141,295	b23,824,074	b23,360,827	b24,685,787	20,572,157
Cut and polished Ct.	92,780	109,556	109,901	112,885	118,569	117,420
£ (S.A.)	7,076,218	8,044,458	8,148,402	8,526,112	10,136,932	10,110,481
British Guiana Ct.	35,531	30,384	33,227	30,871	28,455	31,899
£	281,162	249,716	280,342	277,841	283,685	288,349
Hong Kong (re-exports)— Cut and polished £	71,397	256,020	822,454	1,007,045	776,916	1,205,231
Industrial .. £	n.a.	7,976	4,721	25	—	—
Malaya (re-exports)— Cut and polished £	18,100	11,198	40,420	61,590	52,317	43,305
Australia (a)— Gem diamonds Ct.	—	513	59	229	—	165
£	—	12,524	4,560	1,833	—	1,312
OTHER COUNTRIES						
Belgium-Luxemburg E.U.— Cut and polished Ct.	540,960	666,107	830,041	890,232	793,876	761,785
£	19,567,763	22,892,117	28,994,898	32,387,209	30,258,537	28,863,065
Industrial, rough and bort .. Ct.	1,198,997	1,895,269	2,748,573	3,280,064	3,330,772	3,087,066
£	4,767,578	7,246,730	11,965,277	16,747,401	13,809,646	12,318,793
France— Uncut .. £	160,249	132,651	110,983	532,015	83,000	243,465
Cut .. £	1,277,097	2,565,427	1,180,676	1,128,806	1,147,000	1,198,417
Industrial diamonds £	38,269	45,735	57,253	56,221	34,000	44,385
Netherlands .. Ct.	n.a.	n.a.	n.a.	n.a.	1,110,518	981,934
£	7,620,000	6,803,000	7,246,000	8,109,000	10,153,000	9,213,000
Sweden— Industrial diamonds £	24,656	24,983	34,392	52,284	69,824	96,961
Angola .. Ct.	724,195	724,190	740,332	743,930	869,105	962,336
£	4,373,128	4,373,649	4,228,582	4,280,584	5,334,132	6,844,943
Belgian Congo— Gem diamonds.. Ct.	588,530	628,089	637,696	643,092	626,442	713,805
£	992,119	948,252	1,519,120	1,360,613	1,324,483	1,483,744
Industrial diamonds Ct.	11,798,104	11,573,837	12,378,516	12,802,772	14,566,863	14,343,402
£	5,135,048	5,209,186	7,140,091	8,286,627	9,633,213	10,571,279
French Equatorial Africa— Ct.	137,113	150,676	150,294	147,376	110,550	104,868
£	836,000	1,029,000	1,098,600	1,013,000	803,000	596,000

(a) Years ended June 30 of that stated.

(b) Including South West Africa.

(c) Included with Union of South Africa.

EXPORTS OF DIAMONDS (cont.)

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
French West Africa Ct.	183,080	223,478	295,660	388,370	307,900	165,910
£	692,000	907,000	1,021,000	1,221,000	1,100,000	725,000
Guinea Ct.	(a)	(a)	(a)	(a)	(a)	120,000
£						379,000
Liberia Ct.	549	125,263	203,543	1,025,034	757,138	868,575
£	1,360	180,000	221,000	870,000	446,000	805,500
United States—						
Uncut Ct.	12,963	15,087	39,631	16,480	10,230	14,016
£	147,562	145,789	281,404	241,150	151,906	170,013
Cut Ct.	4,765	7,138	5,825	3,418	6,640	6,841
£	1,011,412	645,399	981,657	508,231	1,149,343	780,114
Industrial diamonds Ct.	1,556	9,758	1,168	11,725	54,413	96,014
£	4,904	22,364	5,849	34,977	194,908	191,012
Dust Ct.	65,853	90,665	215,787	210,841	199,252	123,194
£	65,067	84,575	184,787	220,014	223,111	134,636
Brazil	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Venezuela .. Ct.	81,380	93,294	115,188	81,246	n.a.	72,889
£	654,000	818,200	655,000	779,000	n.a.	462,000
Israel—						
Polished .. Ct.	146,851	183,832	227,169	263,707	345,401	342,136
£	4,563,221	5,606,713	7,224,448	8,825,334	12,610,727	12,234,113
Industrial .. Ct.	n.a.	1,246	2,368	911	9,059	3,866
£	n.a.	15,687	22,738	8,144	42,446	30,493
Dust Ct.	500	—	40	1,486	14,824	15,537
£	13	—	42	1,968	13,884	2,859

(a) Included with French West Africa.

IMPORTS OF DIAMONDS

(Less Re-exports)

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom Ct.	17,200,576	17,074,599	18,066,889	18,929,124	21,205,460	21,830,104
(b) £	38,373,736	39,604,236	46,399,171	50,926,976	57,817,489	57,272,198
Malta—						
Rough diamonds £	n.a.	476	n.a.	n.a.	n.a.	n.a.
Cut and polished £	n.a.	5,677	6,620	4,633	2,039	2,038
Kenya Ct.	54	16	—	—	—	—
£	2,795	884	—	—	—	—
Union of South Africa—						
Rough diamonds Ct.	(c)	(c)	(c)	(c)	(c)	(c)
£ (S.A.)	(c)	(c)	(c)	(c)	(c)	(c)
Cut and polished Ct.	9	—	32	152	286	356
£ (S.A.)	324	—	1,401	4,709	5,201	11,088
Zanzibar Ct.	94	63	14	65	—	—
£	3,709	3,103	617	2,669	—	—
Canada—						
Unset Ct.	50,986	44,033	53,307	53,707	27,341	53,948
£	2,521,631	2,255,971	2,889,440	2,832,846	1,693,007	2,889,611
Dust, bort, etc. Ct.	395,441	364,135	745,354	1,048,064	671,293	99,346
£	954,352	678,411	1,259,624	1,911,353	1,377,340	152,019
Bermuda £	(a) 164,682	(a) 300,311	(a) 285,080	(a) 37,134	251,266	n.a.
Ceylon—						
Cut and polished Ct.	3,072	3,471	—	141	—	—
£	168,022	116,374	—	1,815	—	—
Industrial diamonds Ct.	86	—	—	—	—	—
£	5,023	—	—	—	—	—
Hong Kong (total imports)—						
Gem diamonds £	1,928,198	2,050,215	3,796,361	5,313,291	5,851,238	6,111,582
Industrial diamonds £	713	3,513	534	—	—	—
India £	6,885	66,031	72,430	254,446	115,081	66,792
Malaya (total imports)—						
Cut and polished £	6,683	29,701	34,596	410,813	374,886	326,476
Australia (d)—						
Industrial diamonds Ct.	167,184	46,068	148,682	135,505	122,629	177,893
£	334,026	84,418	286,835	246,006	221,678	313,852
Other diamonds Ct.	9,104	18,955	17,213	19,503	15,171	16,195
£	260,782	766,136	767,394	821,434	714,973	733,240
New Zealand—						
Industrial diamonds £(N.Z.)	260	151	392	(a) 747	299	985
Other diamonds £(N.Z.)	178,609	202,926	182,406	193,755	203,170	147,582

(a) Excess of re-exports.

(b) Declared imports represent a very small proportion of actual imports. These figures, therefore, represent exports of rough diamonds from the Union of South Africa, South West Africa, Ghana, Sierra Leone, Tanganyika, British Guiana, Angola and Belgian Congo to the United Kingdom as recorded by those countries. In the case of the Union of South Africa, figures represent diamonds of known South African origin only and exclude those of mixed African origin. The totals, therefore, may not account for all diamonds of South African origin exported to the United Kingdom.

No figures are available as to the quantities re-exported from the United Kingdom.

(c) Total imports and re-exports were as follows:—

	Total imports		Re-exports	
	Carats	£(S.A.)	Carats	£(S.A.)
1953	14,753,841	11,632,081	16,669,270	24,479,193
1954	13,937,464	10,569,635	17,550,773	26,513,320
1955	13,568,121	8,564,785	18,197,643	25,364,292
1956	16,045,898	9,576,021	18,328,251	25,141,452
1957	15,458,540	11,175,954	17,280,930	25,613,157
1958	16,881,479	12,326,528	11,961,930	18,346,577

(d) Years ended June 30 of that stated.

IMPORTS OF DIAMONDS (cont.)

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Rough diamonds Ct.	2,268,559	2,561,011	3,731,698	4,127,482	4,439,726	3,412,135
£	20,289,873	18,850,057	24,811,113	30,560,199	32,217,559	25,839,832
Cut diamonds .. Ct.	23,449	62,852	103,653	175,385	140,826	90,759
£	992,221	3,059,597	5,127,909	5,867,427	7,565,402	5,711,800
Industrial, rough and bort .. Ct.	1,252,937	1,713,464	2,764,171	2,380,334	2,305,611	3,057,280
£	2,128,190	2,266,231	4,481,614	4,837,399	4,551,764	6,542,242
France—						
Uncut £	1,607,929	1,596,415	1,872,428	3,013,001	2,521,000	2,578,858
Cut and polished £	1,433,091	2,080,165	1,838,890	2,512,535	2,058,000	1,882,849
Industrial diamonds £	3,557	2,011	8,978	5,050	7,000	5,661
Netherlands .. Ct.						
£	n.a.	n.a.	n.a.	n.a.	1,271,149	1,169,044
Norway £	7,412,000	5,822,000	6,192,000	7,575,000	9,690,000	9,517,000
Norway Ct.	2,000	1,900	2,000	n.a.	n.a.	n.a.
£	2,003	1,745	1,363	4,427	2,943	2,536
Sweden—						
Industrial diamonds £	334,298	308,534	430,525	363,580	476,400	345,873
Mexico—						
Industrial diamonds Ct.	33,405	33,695	37,955	43,080	13,420	81,600
£	12,713	11,569	7,356	17,230	15,857	4,495
United States—						
Uncut Ct.	730,350	887,702	1,066,637	r 1,176,832	997,162	1,129,297
£	20,285,170	21,147,248	27,526,398	r 30,759,347	27,659,498	25,775,948
Cut and polished Ct.	444,362	594,772	707,859	693,142	609,775	718,422
£	17,996,988	22,333,932	26,822,061	27,069,938	23,447,450	24,222,356
Industrial diamonds Ct.	12,768,595	13,807,344	14,952,582	r 16,165,477	12,178,083	9,501,143
£	16,683,966	17,088,329	23,538,435	r 26,175,465	17,807,963	13,426,493
Dust Ct.	749,290	181,418	152,732	238,750	386,203	568,921
£	749,983	178,967	155,957	249,191	425,171	540,985
Bort, manufactured Ct.	7,891	2,389	2,771	9,054	6,057	752
£	104,101	64,685	73,527	118,897	98,566	34,559
Israel—						
Rough diamonds Ct.	401,907	507,384	544,312	640,216	825,668	777,275
£	3,879,556	4,913,447	5,926,861	7,598,653	10,149,779	8,954,462
Industrial diamonds Ct.	389	934	458	325	13,299	26,111
£	4,381	7,205	5,922	2,973	47,293	65,757
Bort Ct.	107,122	143,690	44,500	42,394	27,844	32,058
£	138,774	118,964	52,913	54,927	43,635	33,412
Dust Ct.	15,495	1,600	2,900	450	6,470	6,318
£	14,681	1,247	1,349	474	8,182	6,466
Japan—						
Industrial diamonds Ct.	103,545	123,005	171,365	650,000	262,520	154,410
£	292,000	296,000	390,000	666,700	1,043,000	674,000

DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	19,844	13,798	28,526	23,160	22,811	25,138
Kenya	4,378	3,258	2,950	4,837	4,229	3,475
Union of South Africa ..	107	935	759	567	541	321
Canada (a)	92	4	14	2	107	5
Australia	4,440	5,439	5,042	5,789	6,221	3,912
New Zealand	102	168	556	136	3,158	5,657
OTHER COUNTRIES						
Austria	3,067	3,150	3,966	4,900	3,416	3,648
Denmark—						
Diatomaceous earth ..	2,780	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	25,360
Moler (b)	100,000	110,000	120,000	160,000	150,000	140,000
Finland	1,773	1,220	1,838	2,263	1,673	2,067
France	68,070	60,796	62,523	62,094	77,206	90,000
Germany (Federal) ..	49,555	53,300	60,469	65,081	68,358	63,516
Italy	9,069	9,964	9,496	8,617	26,524	<i>n.a.</i>
Sweden	1,342	904	1,451	1,110	1,176	<i>n.a.</i>
Yugoslavia	3,483	3,963	4,009	(e) 3,900	(e) 3,900	(e) 3,900
Algeria	25,145	33,300	27,130	23,523	9,250	26,000
Egypt	104	156	344	285	605	(e) 590
Mozambique	—	—	—	—	—	54
Costa Rica	384	531	2,700	6,015	(e) 1,600	(e) 1,600
Guatemala	(e) 10,600	(e) 11,500	(e) 14,700	(e) 14,000	18,400	18,920
United States	(c) 270,371	(d) 328,952	(d) 328,952	(d) 328,952	<i>n.a.</i>	<i>n.a.</i>
Argentina	<i>n.a.</i>	<i>n.a.</i>	2,500	2,600	3,646	(e) 3,500
Chile	<i>n.a.</i>	28	492	—	—	—
Peru	2	2	1	30	34	104
Korea (South)	219	1,229	3,029	3,493	1,314	462

Diatomaceous earth is known to have been produced in Hungary, Norway, Portugal, Roumania, Spain, U.S.S.R., Brazil and Japan.

(a) Shipments.

(b) Estimated.

(c) Average annual production 1951—1953.

(d) Average annual production 1954—1956.

(e) United States Bureau of Mines' estimate.

EXPORTS OF DIATOMACEOUS EARTH
(Domestic Produce)

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Kenya	<i>n.a.</i>	682	887	1,460	1,235	1,415
OTHER COUNTRIES						
Belgium-Luxemburg E.U.	64	93	127	134	184	139
Denmark—						
Diatomaceous earth ..	5,287	5,897	8,276	7,674	8,971	6,437
Moler	74,825	90,547	97,990	119,480	109,940	91,314
Moler bricks	11,293	8,787	16,043	18,557	20,860	22,128
Finland	—	26	—	—	38	—
France (a)	1,890	1,375	1,789	1,674	1,675	2,156
Germany (Federal) (a) ..	5,921	1,947	2,549	2,229	2,442	2,106
Italy	416	496	1,023	1,300	932	2,566
Norway	—	1,635	—	—	11	—
Portugal	21	62	51	51	66	54
Sweden	10	15	26	62	57	69
Algeria (a)	12,376	14,890	18,425	17,682	16,997	23,376
Chile	86	30	r 112	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Japan	51	12	8	64	148	82
Korea (South)	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	684

(a) Including tripoli etc.

IMPORTS OF DIATOMACEOUS EARTH
(Less Re-exports)

Long tons

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (b) ..	52,683	57,671	64,896	67,340	69,773	59,562
Union of South Africa ..	565	695	606	577	803	788
Canada	17,277	17,297	19,784	18,819	22,579	24,337
India	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	289	765
Australia (c) ..	1,480	1,645	3,944	4,394	4,795	3,204
New Zealand	739	717	1,130	1,024	1,190	1,804
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.	9,464	2,535	2,682	3,324	2,874	2,535
Denmark	280	271	350	575	543	486
Finland	374	704	1,414	534	444	330
France (d)	6,848	7,986	12,074	11,858	10,374	13,981
Germany (Federal) (d) ..	40,267	53,583	57,674	70,629	61,008	55,782
Iceland	10	156	1,126	898	954	736
Italy	1,819	761	613	665	1,065	921
Netherlands	4,945	4,296	4,892	5,723	6,111	7,837
Norway	2,026	2,273	4,036	4,152	4,677	3,353
Portugal	117	171	242	344	534	521
Sweden	882	755	1,616	2,141	2,318	2,824
Yugoslavia	515	81	129	1	7	3
Algeria (d)	95	71	73	45	107	165
Egypt	1,219	r 967	1,026	1,380	1,638	1,349
Morocco	1,087	597	344	260	271	313
Cuba (a)	3,012	2,029	2,754	2,818	2,596	<i>n.a.</i>
Mexico (a)	4,214	2,894	3,848	(d) 3,878	(d) 2,875	(d) 3,202
Salvador	11	10	2	1	59	33
Brazil (a)	77	879	607	785	908	816
Chile (d)	34	77	8	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia	686	429	507	496	701	773
Peru (d)	42	880	850	946	1,091	<i>n.a.</i>
Venezuela (a)(d) ..	896	1,140	<i>n.a.</i>	1,147	1,350	1,525
Japan	4,018	2,009	1,898	1,985	3,131	2,778
Thailand (a)	<i>n.a.</i>	<i>n.a.</i>	18	5	4	10

(a) Total imports.

(b) Including the following amounts imported in bulk from Denmark:

1953	34,496 long tons
1954	42,774 " "
1955	45,484 " "
1956	r 48,445 " "
1957	48,627 " "
1958	<i>n.a.</i>

(c) Years ended June 30 of that stated.

(d) Including tripoli, etc.

FELSPAR

PRODUCTION OF FELSPAR

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain—						
China stone	62,309	63,960	63,305	r 60,017	58,125	47,826
Kenya	—	—	—	—	120	26
Nigeria	—	—	n.a.	14	—	—
Southern Rhodesia	—	—	—	—	—	400
Union of South Africa ..	5,480	3,526	6,421	9,729	11,381	7,708
Canada	18,970	14,371	16,207	16,208	18,259	18,203
Hong Kong	—	—	120	20	1,156	1,653
India	3,881	6,476	5,230	3,263	7,872	8,432
Australia (a)	6,883	16,384	20,833	18,629	8,819	7,243
OTHER COUNTRIES						
Austria	1,332	2,137	2,510	2,677	2,612	2,613
Belgium	—	808	n.a.	n.a.	n.a.	n.a.
Finland	9,156	10,830	12,529	8,799	9,055	13,188
France	(c) 75,600	61,000	72,000	71,000	65,000	84,000
Germany (Federal) (b) ..	114,191	138,322	169,718	172,717	188,268	187,503
Italy	24,342	28,448	52,097	r 50,479	63,968	56,182
Norway—						
Unground	12,514	16,373	32,178	63,973	51,000	49,000
Ground	5,896	11,390	12,079	15,275	18,800	15,800
Portugal	59	—	592	912	1,161	544
Spain	10,495	8,160	5,041	3,524	4,472	17,919
Sweden (d)						
Unground	24,413	35,328	31,317	31,625	30,380	} 43,709
Ground	12,920	16,166	18,321	20,875	22,588	
Yugoslavia	—	—	—	—	—	(e) 13,800
Eritrea	3	6	12	12	394	413
Madagascar	24	—	—	—	—	—
United States (d)	452,600	r 526,590	r 550,861	r 560,074	498,057	469,738
Argentina	n.a.	4,633	4,509	r 7,999	4,271	(e) 4,900
Chile	2,047	1,319	821	826	369	n.a.
Uruguay	779	696	381	—	168	267
Japan	24,682	33,626	30,587	48,665	43,417	44,507
Philippine Republic ..	—	—	—	—	49	74
TOTAL*	870,000	r 1,000,000	r 1,110,000	r 1,170,000	1,110,000	1,100,000

*Excluding felspar known to have been produced in Czechoslovakia, Roumania, U.S.S.R., Brazil, China and Indo-China.

Note.—Production of nepheline syenite in Canada was as follows (long tons): 1953—101,201; 1954—110,419; 1955—130,418; 1956—160,720; 1957—178,586; 1958—179,737.

(a) Including china stone.

(b) Including feldspathic sand obtained as a by-product of china clay washing.

(c) Including pegmatite.

(d) Sales.

(e) United States Bureau of Mines' estimate.

EXPORTS OF FELSPAR
(Domestic Produce)

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Canada	6,114	943	1,273	1,611	3,613	8,889
India	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	500	235
Australia (b)	616	187	235	340	92	—
OTHER COUNTRIES						
Austria	32	19	20	47	21	35
Finland	6,658	6,584	6,348	6,644	5,579	8,485
France	6,679	9,302	11,927	(a) 14,999	(a) 12,930	(a) 12,460
Germany (Federal) ..	(c) 61,125	(c) 59,597	(c) 52,479	6,077	7,703	7,075
Italy	2,048	3,241	6,011	6,577	6,904	8,756
Netherlands	2,109	3,257	5,700	4,569	3,232	4,556
Norway—						
Crude	16,464	15,988	28,416	41,118	31,379	27,958
Ground	4,844	8,836	8,940	12,333	15,724	15,381
Sweden	23,701	31,527	36,621	39,449	36,224	32,739
Yugoslavia	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	36	2,601	4,908
Japan	393	454	529	874	719	932

Note.—Exports of nepheline syenite from Canada were as follows (long tons): 1953—68,192; 1954—74,957; 1955—105,603; 1956—124,379; 1957—146,734; 1958—142,929.

(a) May include some leucite and nephelite. (c) Including fluorspar.

(b) Years ended June 30 of that stated.

IMPORTS OF FELSPAR
(Less Re-exports)

Long tons

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	14,546	17,510	24,458	35,198	31,560	29,323
Canada	300	355	122	175	215	1,018
Australia (b)	45	219	241	—	—	—
New Zealand	164	85	530	671	544	722
OTHER COUNTRIES						
Austria	340	593	1,240	1,384	1,807	1,959
Denmark	3,117	3,293	3,961	4,426	3,237	3,819
Finland	20	39	2	3	35	3
France	4,101	3,279	5,925	(d) 8,251	(d) 4,878	(d) 3,954
Germany (Federal) ..	(c) 10,200	(c) 21,025	(c) 27,622	21,314	21,034	20,924
Italy	1,420	1,430	2,400	2,410	4,506	3,904
Netherlands	10,676	13,432	16,746	16,093	15,749	20,232
Sweden	2	15	13	5	10	7
Algeria	210	463	401	(d) 498	(d) 380	(d) 694
Belgian Congo (c) ..	40	203	300	46	126	158
Morocco (Southern) ..	(e) 157	(e) 252	(e) 253	(d) 203	(d) 315	(d) 316
Mexico (a)	4,166	3,833	5,141	5,187	4,060	2,783
United States	5,999	977	1,359	1,632	4,041	6,657
Colombia (c)	13	38	89	53	249	140
Venezuela (a)	140	202	<i>n.a.</i>	1,214	1,596	2,078
Israel	592	1,050	1,066	1,212	1,860	847
Japan	1	184	33	—	—	3

(a) Total imports.

(b) Years ended June 30 of that stated.

(c) Including fluorspar.

(d) May include some leucite and nephelite.

(e) Including pegmatite.

FLUORSPAR
PRODUCTION OF FLUORSPAR

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a) ..	79,128	82,685	85,924	91,550	93,274	77,505
Southern Rhodesia ..	333	107	429	842	87	4
South West Africa ..	5,037	2,737	603	—	21	4
Swaziland ..	—	—	—	40	—	—
Union of South Africa ..	14,312	19,639	29,321	31,308	31,345	43,081
Canada	79,079	106,222	114,387	125,063	59,147	<i>n.a.</i>
Australia	333	19	282	745	700	946
OTHER COUNTRIES						
France	62,234	73,025	84,699	<i>r</i> 83,404	107,398	83,000
Germany—						
Federal Republic ..	166,762	179,070	161,558	157,514	136,984	116,041
East (b)	80,000	80,000	80,000	80,000	61,000	64,000
Italy	74,593	75,627	100,174	122,924	142,326	137,765
Norway	694	436	283	177	—	—
Spain	50,381	72,350	65,762	72,572	86,999	79,508
Sweden (c)	4,262	3,697	1,303	871	2,648	2,846
U.S.S.R. (b)	80,000	100,000	100,000	145,000	145,000	160,000
Morocco	2,846	1,060	10	152	—	—
Tunisia	2,009	—	—	—	—	—
Mexico (e)	154,609	130,534	178,769	321,533	348,042	277,201
United States (d) ..	283,961	219,311	249,589	294,392	293,636	285,279
Argentina	<i>n.a.</i>	<i>n.a.</i>	11,000	13,000	7,629	(b) 7,900
Bolivia (e)	18	190	507	267	—	—
Burma	—	—	—	—	—	320
China (b)	<i>n.a.</i>	<i>n.a.</i>	90,000	130,000	145,000	<i>n.a.</i>
Japan	6,434	6,046	5,123	7,956	7,627	5,419
Korea (South)	<i>r</i> 10,838	<i>r</i> 8,732	<i>r</i> 9,915	<i>r</i> 3,064	5,039	1,594
Turkey	98	—	21	—	—	79
TOTAL	<i>r</i> 1,200,000	<i>r</i> 1,300,000	<i>r</i> 1,400,000	<i>r</i> 1,700,000	1,700,000	1,500,000

Fluorspar is also known to have been produced in Belgium, Brazil and North Korea.

- (a) Including fluorspar recovered from old lead and zinc mine dumps.
- (b) United States Bureau of Mines' estimate.
- (c) Sales.
- (d) Shipments from mine.
- (e) Exports.

EXPORTS OF FLUORSPAR
(Domestic Produce)

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
South West Africa ..	5,018	2,735	603	—	—	34
Union of South Africa ..	17,424	15,188	16,289	17,452	21,721	32,210
Canada	21,400	53,471	52,134	69,982	21,098	6
OTHER COUNTRIES						
France	3,053	3,859	4,035	3,613	1,846	4,801
Germany (Federal) ..	(a) 61,125	(a) 59,597	(a) 52,479	39,307	37,364	14,412
Italy	48,934	40,858	83,872	61,559	77,723	81,521
Norway	81	—	—	122	—	—
Spain	53,375	47,168	59,789	61,108	66,321	64,071
Sweden	48	69	14	1	26	241
Morocco	3,060	144	225	288	—	30
Tunisia	2,247	—	—	—	—	—
Mexico	154,609	130,534	178,769	321,533	348,042	277,201
United States	685	574	780	175	674	3,012
Argentina	25	477	42	162	838	781
Bolivia	18	190	507	267	—	—
Korea (South)	4,870	15,007	7,585	12,702	10,208	11,607

(a) Including felspar.

IMPORTS OF FLUORSPAR
(Less Re-exports)

Long tons

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Canada	18,001	14,500	19,393	25,132	12,988	27,149
India	n.a.	n.a.	n.a.	n.a.	7,986	5,330
Australia (c)	517	713	543	344	530	401
New Zealand	12	10	n.a.	n.a.	n.a.	n.a.
OTHER COUNTRIES						
Austria	4,987	7,855	10,406	9,548	9,125	9,420
Denmark	1,046	815	1,075	1,004	1,013	934
France	280	296	98	735	4,652	5,590
Germany (Federal) ..	(b) 10,200	(b) 21,025	(b) 27,622	13,614	10,897	1,422
Netherlands	7,727	8,225	5,939	5,233	7,484	6,300
Norway	491	415	1,000	1,131	1,061	978
Portugal	40	84	102	248	67	159
Sweden	6,892	5,078	6,849	8,762	8,675	8,412
U.S.S.R.	n.a.	n.a.	73,700	116,500	114,300	127,600
Yugoslavia	495	595	1,016	2,173	818	1,810
Algeria	147	157	159	262	65	104
Belgian Congo (b) ..	40	203	300	46	126	158
Mexico (a)	10	4	—	1	53	—
United States	321,044	261,893	324,482	433,529	563,721	350,146
Brazil (a)	295	1,552	32	1,011	960	281
Colombia (b)	13	38	89	53	249	140
Peru	371	110	245	10	219	n.a.
Venezuela (a)	50	153	n.a.	250	214	540
Japan	19,500	30,566	30,849	49,641	57,458	36,156

(a) Total imports.

(c) Years ended June 30 of that stated.

(b) Including felspar.

FULLER'S EARTH
(see also Bentonite)
PRODUCTION OF FULLER'S EARTH

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Union of South Africa ..	894	1,576	2,233	2,636	1,376	1,759
India	4,871	1,333	7,838	5,457	4,568	13,483
Australia	106	73	71	235	215	120
OTHER COUNTRIES						
United States (a) ..	389,140	336,001	330,106	372,960	326,876	319,538

Fuller's earth is also produced in the United Kingdom, Japan and Turkey.

(a) Sold or used by producers.

EXPORTS OF FULLER'S EARTH*

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Australia (b)	—	5	—	—	—	—
OTHER COUNTRIES						
United States (a) ..	16,100	10,700	15,600	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

* Statistics of exports of Fuller's earth are not generally separately recorded in official trade returns.

(a) As recorded by producers.

(b) Year ended June 30 of that stated.

IMPORTS OF FULLER'S EARTH

(Less Re-exports)

Long tons

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Union of South Africa ..	657	940	721	752	951	928
Canada	(£49,756)	(£43,849)	(£40,862)	(£52,461)	(£55,854)	(£58,625)
Ceylon	58	98	110	73	135	51
Australia (c)	31	154	268	233	152	200
New Zealand	122	237	179	200	196	211
OTHER COUNTRIES						
Mexico (a)	2,597	2,795	3,511	(b) 7,878	(b) 5,350	(b) 5,224
United States—						
Crude	—	} <i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Prepared	198					
Chile	13	86	11	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Peru	324	500	744	606	568	<i>n.a.</i>
Venezuela (a)	108	602	<i>n.a.</i>	417	169	263
Philippine Republic ..	198	322	490	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

(a) Total imports.

(b) Including other bleaching earths.

(c) Years ended June 30 of that stated.

GOLD

PRODUCTION OF GOLD

(Metal content)

Fine troy ounces

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Bechuanaland Protectorate	1,109	1,216	560	590	190	215
Ghana	730,963	787,075	687,151	637,755	790,381	852,838
Kenya	9,603	6,607	9,528	13,843	7,388	7,753
Nigeria	689	730	688	440	389	644
Northern Rhodesia	r 3,107	2,648	2,234	3,367	3,270	3,673
Southern Rhodesia	501,057	535,852	524,701	536,392	536,849	554,838
Sierra Leone	1,412	210	468	102	—	—
Swaziland	—	—	—	252	7	—
Tanganyika (a)	74,070	73,756	75,135	69,699	63,485	67,777
Uganda (b)	429	456	354	237	182	278
Union of South Africa	11,940,616	13,237,119	14,601,404	15,896,693	17,030,737	17,656,447
Canada	4,055,723	4,366,440	4,541,962	4,383,863	4,433,894	4,534,455
British Guiana	19,247	25,726	22,459	15,024	15,286	16,503
India	223,376	239,168	r 210,880	r 209,253	179,193	170,090
Malaya (c)	17,400	19,900	21,600	19,200	10,600	21,400
Sarawak	417	531	463	599	883	864
Australia	1,075,181	1,117,742	1,049,039	1,029,821	1,083,941	1,098,914
Fiji	76,970	72,340	71,849	67,475	73,629	86,794
New Guinea and Papua	120,848	86,728	79,092	79,476	69,029	43,812
New Zealand	38,656	41,713	26,443	26,063	30,195	24,981
TOTAL	r18,891,000	r20,616,000	r21,926,000	22,990,000	24,330,000	25,142,000
OTHER COUNTRIES						
Finland	19,483	16,976	18,808	18,229	21,895	28,499
France	64,687	15,947	30,286	30,608	35,170	35,000
Germany (Federal)	6,430	4,665	3,839	(d) 4,500	(d) 4,500	(d) 4,000
Greece	2,048	7,620	6,655	3,504	7,877	5,787
Italy	13,876	5,973	6,160	5,948	6,346	4,802
Portugal	14,854	22,055	28,807	22,120	23,277	17,742
Sweden	88,254	110,277	98,767	95,745	97,095	n.a.
Angola	20	35	57	34	—	26
Belgian Congo	371,020	365,490	369,926	373,849	374,235	356,134
Cameroon (French)	950	686	518	429	10,899	2,009
Egypt	14,452	17,387	6,524	7,697	3,026	(d) 3,000
Eritrea	1,363	1,484	161	3,215	4,501	6,430

(a) Including gold in lead concentrates exported amounting to 3,827 ounces in 1953, 3051 ounces in 1954, 6,141 ounces in 1955, 11,871 ounces in 1956, 9,192 ounces in 1957, and 11,951 ounces in 1958.

(b) Exports.

(c) Estimated.

(d) United States Bureau of Mines' estimate.

PRODUCTION OF GOLD (cont.)

Fine troy ounces

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Ethiopia	(a) 26,696	(a) 33,894	22,058	25,700	(b) 25,000	36,369
French Equatorial Africa	48,220	40,317	43,295	37,854	30,780	23,700
French West Africa (c) . .	1,460	362	518	388	331	100
Liberia (d)	863	1,135	672	500	381	n.a.
Madagascar	1,554	1,363	981	894	842	547
Morocco	2,537	3,568	4,276	264	—	—
Mozambique	1,034	2,027	1,247	r 1,247	1,080	695
Sudan	2,175	1,554	1,526	3,100	1,158	1,571
Costa Rica (b)	6,500	5,700	300	300	300	300
Cuba (e)	1,181	677	2,024	1,008	915	804
Dominican Republic	—	—	—	290	286	780
Guatemala (f)	300	300	300	360	360	370
Honduras	r 47,523	20,429	817	1,611	(e) 1,878	1,714
Mexico	483,483	386,902	382,883	350,250	346,328	332,280
Nicaragua	261,899	232,212	237,376	217,140	203,636	214,882
Salvador	19,934	5,326	3,818	3,271	2,508	2,372
United States	1,958,293	1,837,310	1,880,142	1,831,765	1,793,597	1,739,249
Argentina	(b) 8,000	(b) 8,000	(b) 6,000	6,858	7,729	n.a.
Bolivia (d)	r 1,032	215,121	r 73,818	24,118	46,940	19,115
Brazil	115,871	119,536	109,602	122,237	n.a.	n.a.
Chile	r 149,662	r 124,970	r 136,062	r 94,459	103,590	70,860
Colombia	437,295	377,467	380,824	438,347	325,114	371,715
Ecuador	29,239	18,479	15,289	15,076	16,247	19,445
French Guiana	(d) 4,384	1,371	8,700	5,800	8,940	18,000
Peru	141,193	147,424	170,747	159,074	161,831	159,127
Surinam	6,482	6,771	7,202	6,721	6,516	4,258
Venezuela	27,304	56,074	61,140	69,767	89,873	75,976
Burma	567	170	124	126	(d) 166	190
Cambodia	—	—	—	482	1,608	322
Formosa	r 27,000	r 24,860	r 27,900	r 32,900	20,500	21,200
Japan	228,255	243,149	240,732	241,422	252,563	258,649
Korea (South)	r 15,882	r 52,341	r 47,680	r 49,898	66,584	72,082
Philippine Republic	480,625	416,052	419,112	406,163	379,982	422,833
Saudi Arabia	81,566	31,240	—	—	—	—
* TOTAL	5,300,000	5,100,000	5,000,000	5,000,000	5,000,000	5,000,000
* WORLD'S TOTAL (excl. U.S.S.R.)	24,200,000	25,700,000	26,900,000	28,000,000	29,000,000	30,000,000

* In view of the wide divergences in estimates of the production of gold in the U.S.S.R. (ranging from 2-18 million ounces) figures for that country have been omitted. The United States Bureau of Mines has estimated the production at 9-10 million ounces in recent years.

(a) Annual Report of the United States Mint.

(d) Exports.

(b) Estimated.

(e) Imports into the United States.

(c) European producers only.

(f) United States Bureau of Mines' estimate.

EXPORTS OF GOLD*
(Domestic Produce unless otherwise stated)
(Metal content)

Fine troy ounces

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a)—						
Bullion—						
Unrefined	2,411	—	—	—	—	—
Refined	6,222,000	5,720,786	6,749,299	10,372,551	11,258,836	10,738,067
Coin	207,000	47,000	58,000	53,000	41,000	564,000
Ghana—						
Bullion	732,636	787,874	723,905	599,340	788,151	851,433
Kenya*—						
Bullion	10,600	7,000	9,700	13,600	7,300	7,750
Nigeria—						
Bullion	59	379	200	—	230	—
Northern Rhodesia—						
Bullion	—	(b)	(b)	(b)	(b)	(b)
Sierra Leone*—						
Bullion	3,000	2,100	200	400	—	—
Southern Rhodesia—						
Concentrates, etc.* ..	4,900	(c) 5,000	(c) 1,300	(c) 2,100	(c) 2,400	(c) 1,100
Bullion	505,558	(c) 522,555	(c) 515,699	(c) 515,030	(c) 547,140	(c) 542,747
Tanganyika—						
Concentrates	3,837	3,141	6,141	11,871	9,192	11,951
Bullion (refined) ..	69,876	71,357	68,892	59,293	54,088	56,299
Uganda—						
Bullion	429	456	354	237	182	278
Union of South Africa—						
Ore and concentrates* ..	8,900	5,800	3,700	3,300	8,200	7,500
Bullion	7,947,000	12,535,000	14,203,000	15,438,000	17,335,000	17,774,000
Gold products	4,044,000	—	—	—	—	—
British Guiana—						
Bullion	11,357	16,196	13,204	6,224	7,699	10,163
India—						
Bullion	4	1,019	—	402	—	n.a.
Malaya—						
Bullion	14,806	19,849	13,900	14,990	9,348	10,023
Hong Kong*—						
Bullion (a)	106,000	1,554,000	1,691,000	2,286,000	1,850,000	1,239,000
Sarawak—						
Bullion	512	530	477	687	847	188
Australia— (d)						
Ores, etc.	12,441	12,526	11,133	13,427	21,817	23,787
Bullion, refined	} 1,243,953	871,253	{ 855,688	523,940	908,224	405,307
do. unrefined			{ 8,703	7,724	42	—
Fiji—						
Bullion	70,467	78,411	73,989	67,130	76,620	81,120
New Guinea (d)—						
Bullion	138,694	90,857	85,726	71,519	78,363	54,542
New Zealand—						
Auriferous quartz, etc. ..	90	830	1,295	—	—	—
Bullion, etc.	41,000*	38,000*	19,000*	20,450	26,770	19,390
Papua (d)—						
Bullion	141	280	1,065	491	397	454
Irish Republic*—						
Bullion (a)	1,600	1,800	200	1,000	1,700	2,000

* Some countries record the trade of Gold by value or by the gross weight of bullion only. In such cases the weight has been obtained by dividing the value by the official annual average price of gold per fine ounce but in no case has any account been taken of the premium. Countries or items for which this conversion has been effected are marked with an asterisk.

(a) Including foreign produce.

(c) Federation of Rhodesia and Nyasaland.

(b) See under Southern Rhodesia.

(d) Years ended June 30 of that stated.

EXPORTS OF GOLD (cont.)

Fine troy ounces

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U. (a)—						
Bullion and scrap ..	246,000*	83,600	42,000	158,000	90,000	268,000*
Coin	n.a.	n.a.	n.a.	119,000	71,000	363,000
France (a)—						
Bullion and scrap ..	6,666,000	4,430,000	3,557,000	3,372,000	2,403,000	3,197,000
Coin	1,426,000	194,000	120,000	90,000	32,000	34,000
Beaten, rolled or drawn	109,000	41,000*	58,000*	70,000	55,000*	41,000*
Germany (Federal) (a)						
Unwrought	n.a.	330,000*	60,000	38,000	49,000	105,000
Netherlands (a)—						
Bullion, etc.	2,367,000	1,783,000*	581,000*	46,000*	303,000*	155,000*
Coin	61,000*	2,700*	75*	382,000*	246,000*	33,000
Sweden (a)—						
Bullion	102,000	37,000*	13,000*	43,000*	44,000*	37,000*
Switzerland (a)—						
Unwrought	10,600	48,000	44,000	52,000	79,000	225,000*
Belgian Congo—						
Bullion	381,000*	362,000	370,000*	363,000*	363,000	332,000
Cameroon (French)—						
Bullion	1,000	1,200	900	600	1,400	12,000
French Equatorial Africa						
Bullion	30,000	40,000	43,000	43,000	30,000	24,000
French West Africa—						
Bullion	1,300	200	—	—	—	—
Liberia—						
Bullion	863	1,135	672	500	381	n.a.
Madagascar—						
Bullion	60	38	31	—	—	—
Mozambique—						
Bullion	300	1,000*	1,100	63,000	600	1,000
Sudan*—						
Bullion	200	100	400	900	1,500	2,000
Honduras—						
Bullion, etc.	47,543	20,429	817	1,611	2,028	2,484
Mexico—						
Bullion	948,000	3,084,000	57,000	44,000	57,000	645,000
Nicaragua—						
Bullion	259,061	233,149	228,621	215,746	196,133	208,398
Salvador—						
Bullion, etc.	23,000	—	4,000	3,000	3,000	2,000
United States (a)—						
Ore and base bullion ..	1,124	3,495	11,202	19,962	23,953	26,929
Refined bullion	853,126	490,462	151,008	713,900	4,781,780	859,042
Coin*	356,000	55,000	n.a.	n.a.	n.a.	n.a.
Argentina (a)—						
Bullion and coin	—	—	400	27,000	2,485,000	1,433,000
Bolivia—						
Ore	1,032	804	54,913	868	450	17,172
Bullion	—	214,317	18,905	23,250	46,490	1,943
Chile—						
Ores and concentrates ..	63,104	68,897	80,440	74,326	70,310	n.a.
Colombia—						
Bullion	257,825	339,375	364,039	419,221	114,674	n.a.
Ecuador—						
Concentrates*	25,000	18,000	13,000	16,000	17,000	13,000
French Guiana—						
Bullion	4,000	1,200	8,000	1,000	9,000	16,000

(a) Including foreign produce.

(b) Years ended June 30 of that stated.

EXPORTS OF GOLD (cont.)

Fine troy ounces

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Peru—						
Ores, concentrates, etc.	17,351	23,744	28,933	34,329	31,407	52,913
Bullion	79,931	51,448	51,779	68,268	259,458	278,433
Surinam—						
Bullion	6,500	—	7,200	—	—	—
Venezuela—						
Bullion*	2,000	4,000	21,000	59,000	33,000	n.a.
Philippine Republic—						
Concentrates and matte	38,841	23,870	6,001	(b) 62,202	(b) 51,113	(b) 59,459
Bullion etc.	33,969	24,551	110,922	(b) 141,360	(b) 156,100	(b) 272,930
Lebanon (a)—						
Coin	n.a.	81,000	96,000	121,000	106,000	42,000

(a) Including foreign produce.

(b) Imports into the United States.

TOTAL IMPORTS OF GOLD*

(Metal content)

Fine troy ounces

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ore, etc.*	346,000	48,000	46,000	44,000	50,000	45,000
Bullion—						
Unrefined	2,418,568	1,733,127	1,651,966	1,401,223	1,509,553	1,542,497
Refined	9,275,064	14,309,297	14,837,704	17,281,124	22,491,593	22,460,998
Coin	9,000	21,000	20,000	23,000	36,000	436,000
Malta*—						
Bullion and coin	5,600	7,300	7,200	11,900	7,300	<i>n.a.</i>
Ghana—						
Bullion	—	—	250	249	—	—
Kenya*—						
Bullion	2,700	700	1,500	200	250	100
Nigeria—						
Bullion and coin	—	—	237	405	672	331
Southern Rhodesia*—						
Concentrates	200	100	100	200	300	600
Tanganyika*—						
Bullion	640	110	150	—	—	—
Uganda*—						
Bullion	1,200	500	1,000	600	900	400
Zanzibar*—						
Bullion	800	300	1,200	1,300	1,000	700
British West Indies—						
Jamaica*—						
Bullion	400	} 100	100	300	1,000	170
Coin	<i>n.a.</i>					
Trinidad and Tobago—						
Bullion	534	1,024	1,534	1,869	5,456	6,215
Ceylon*—						
Bullion (b)	12,000	20	8,500	22,000	11,000	47
Cyprus*—						
Bullion	270	170	200	400	2,600	3,200
Hong Kong—						
Bullion	105,000	1,564,000	1,776,000	2,208,000	1,853,000	1,236,000
Coin	—	11,000	41,000	18,000	3,500	—
India—						
Bullion	1,255	2,139	3,028	6,498	28,751	<i>n.a.</i>
Coin	119	65	14	372	422	<i>n.a.</i>
Malaya—						
Bullion	658	532	476	685	846	978
Sarawak—						
Bullion	510	(c) 1,100*	(c) 4,200	(c) 4,400	(c) 3,600	(c) 4,000
Australia (a)—						
Bullion	228,387	189,629	175,039	175,649	143,852	169,119
Fiji—						
Bullion	40	56	33	184	175	245
New Zealand—						
Concentrates	53	78	9	35	6	—
Bullion	509	787	594	1,821	3,186	3,521
Beaten, rolled or drawn	220*	170*	163	414	125	190
Irish Republic*—						
Bullion	—	—	—	1,400	—	—

* See note on page 129.

(a) Years ended June 30 of that stated.

(c) Including coin and partly worked.

(b) Including partly worked.

IMPORTS OF GOLD (cont.)

Fine troy ounces

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bullion, scrap, etc. ..	506,000*	422,000	407,000*	852,000	831,000*	1,579,000
Coin	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	87,000	68,000	141,000
Finland—						
Bullion and scrap ..	—	143,000	700	600	150	1,000
France—						
Bullion and scrap ..	5,629,000	4,142,000	1,321,000	3,828,000	2,655,000	2,674,000
Coin	305,000	77,000	26,000	62,000	20,000	15,000
Beaten, rolled or drawn	1,689,000	32	100	100	3,000	3,000*
Germany (Federal)—						
Unwrought*	<i>n.a.</i>	861,000	808,000	971,000	1,388,000	1,484,000
Italy—						
Bullion and scrap	3,000	11,000	15,000	16,000	447,000	815,000*
Netherlands—						
Bullion	2,218,000	1,757,000	314,000*	242,000*	137,000	160,000*
Coin	344,000*	4,000	5,000*	13,000	111,000	2,000
Norway—						
Sheets and rolled	1,200*	1,300	<i>n.a.</i>	8,000	200	12,000
Sweden—						
Bullion*	90,000	6,000	7,400	7,000	7,000	8,000
Switzerland—						
Unwrought	108,500*	30,000	27,000	43,000*	33,000	31,000
Algeria—						
Bullion	127,000	166,000	119,000	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Coin	68,000*	46,000	51,000	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Beaten, rolled or drawn	17,000*	18,000*	22,000*	19,000*	20,000*	20,000*
Egypt—						
Bullion	8,500	7,000	800	400	—	400
Coin	3,800	100	100*	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Mozambique—						
Bullion	99,000	106,000	113,000	100,000	103,000	111,000
Sudan—						
Bullion	261	93	655	870	949	<i>n.a.</i>
Mexico—						
Bullion	948,000	1,000	572,000	573,000	573,000	1,000
United States—						
Ore and base bullion ..	661,696	822,684	1,071,270	1,197,136	1,185,917	1,099,484
Refined bullion ..	682,261	260,321	1,858,736	2,532,611	6,515,253	7,020,242
Coin*	1,000	500	5,000	—	<i>n.a.</i>	24,000
Brazil—						
Bullion	100	76,000	16,000	1,000	1,000	700
Uruguay—						
Bullion and scrap ..	21,000	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Formosa—						
Bullion	500	1,500	2,000	3,000	6,000	6,000
Lebanon—						
Bullion and scrap ..	344,000	1,158,000	437,000	358,000	628,000	340,000
Coin	71,000	18,000	16,000	17,000	57,000	134,000
Philippine Republic—						
Bullion	172,864	105,771	<i>n.a.</i>	18,595	8,646	25,693
Syria—						
Bullion and scrap (a) ..	170,000	264,000	359,000	305,000	27,000	348,000

(a) Gross weight.

GRAPHITE

PRODUCTION OF GRAPHITE

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Kenya	183	310	216	533	943	660
South West Africa (a) ..	—	103	903	—	—	—
Tanganyika (a)	19	—	—	23	—	—
Union of South Africa ..	369	1,246	1,633	1,662	1,562	781
Canada (b)	3,095	2,199	—	—	—	—
Ceylon	(c) 7,218	(c) 7,728	(c) 9,878	9,207	8,190	5,637
Hong Kong	200	1,840	1,535	2,442	3,305	3,285
India	767	1,479	1,613	n.a.	n.a.	n.a.
Australia	15	70	22	10	—	—
OTHER COUNTRIES						
Austria (a)	14,451	17,128	17,533	18,390	18,622	20,820
Germany (Federal)	7,341	9,328	10,317	11,498	11,209	10,733
Italy	5,117	3,718	2,317	r 2,849	2,762	3,947
Norway	2,906	3,565	5,330	r 4,966	5,594	4,399
Spain	314	403	320	295	271	496
Sweden (a)	—	—	276	394	734	n.a.
Yugoslavia	—	—	922	—	984	886
Madagascar—						
Flake	9,533	7,620	9,567	9,429	8,130	4,296
Powder	3,723	4,241	4,892	6,151	7,039	6,294
Morocco	97	—	115	122	—	—
Mexico	29,852	21,440	28,877	29,156	23,159	19,254
United States	5,608	n.a.	n.a.	n.a.	n.a.	n.a.
Argentina	n.a.	n.a.	2	344	403	n.a.
Brazil	579	900	764	517	794	1,181
Formosa	—	—	—	2,040	881	817
Japan	4,007	4,031	3,073	3,354	4,707	3,408
Korea (South)—						
Flake	673	703	—	520	256	143
Other	r 18,448	12,997	r 88,527	r 59,629	145,015	92,541
TOTAL*	130,000	120,000	210,000	190,000	270,000	200,000

*Excluding graphite known to have been produced in the U.S.S.R., China and North Korea. An allowance, however, has been made for graphite produced in Czechoslovakia.

(a) Crude.

(b) Sales.

(c) Exports.

EXPORTS OF GRAPHITE
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Crucibles	1,813	2,068	2,829	2,638	2,574	2,392
Kenya	<i>n.a.</i>	352	338	421	662	508
South West Africa	—	39	676	—	—	—
Tanganyika (crude)	19	—	—	23	—	—
Union of South Africa	98	62	—	24	39	9
Canada	2,904	1,925	7	2	2	—
Ceylon	7,218	7,728	9,878	9,162	8,235	5,662
Hong Kong (a)	119	1,565	2,014	5,217	4,788	2,172
India	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	—	6
Australia (c)	18	17	15	4	10	3
OTHER COUNTRIES						
Austria	9,956	12,583	12,418	13,716	14,055	14,445
Belgium-Luxemburg E.U.	10	68	33	22	32	60
Denmark	2	7	20	40	20	1
France	329	549	749	585	770	673
Germany (Federal)	4,649	4,470	4,909	6,080	5,399	4,719
Italy	1,583	1,514	1,680	1,358	1,813	1,448
Netherlands (b)	174	162	446	885	1,136	2,438
Norway	2,789	3,117	5,241	5,102	5,626	4,257
Sweden	—	—	1	2	1	—
U.S.S.R.	<i>n.a.</i>	<i>n.a.</i>	5,500	4,500	4,200	3,700
Algeria	10	39	15	244	68	231
Madagascar	13,393	12,538	16,507	15,158	16,052	10,924
Morocco	37	247	147	48	2	—
Mozambique	—	—	40	—	—	—
Mexico	30,897	21,367	29,768	27,235	22,074	17,239
United States	1,572	713	1,244	948	1,204	1,041
Brazil	—	104	5	4	—	—
Japan	297	585	691	443	356	488
Korea (South)	15,487	31,559	59,589	95,551	142,634	67,373

(a) Including re-exports.

(b) Including artificial graphite.

(c) Years ended June 30 of that stated.

IMPORTS OF GRAPHITE

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Natural	7,883	8,082	12,167	9,526	8,295	4,737
Artificial	—	48	1,321	1,880	3,480	3,870
Mauritius—						
Crucibles	3	4	5	5	5	2
Southern Rhodesia	38	(b) 56	(b) 83	(b) 64	(b) 57	(b) 108
Union of South Africa	92	141	119	118	151	390
Canada—						
Unground	(£45,394)	(£19,921)	(£23,563)	(£31,973)	(£27,645)	(£19,494)
Ground, including manufactures	(£174,001)	(£201,034)	(£204,143)	(£296,503)	(£279,378)	(£333,050)
Crucibles	(£78,363)	(£57,332)	(£73,769)	(£94,545)	(£88,557)	(£60,826)
Hong Kong (a)	3,298	829	503	1,536	1,728	681
India—						
Graphite	634	384	692	827	1,088	626
Crucibles	160	195	86	496	n.a.	n.a.
Malaya (a)	n.a.	53	123	123	103	76
Pakistan—						
Graphite	(c) 39	(c) 85	(c) 17	71	111	132
Crucibles	(c) n.a.	(c) 64	(c) 36	—	15	—
Australia (e)	613	915	1,013	764	963	774
New Zealand	27	30	48	27	52	54
OTHER COUNTRIES						
Austria—						
Graphite	163	177	641	872	1,157	1,293
Crucibles, etc.	116	146	196	181	215	185
Belgium-Luxemburg E.U.	1,465	1,637	2,311	2,805	1,971	2,174
Denmark—						
Graphite	505	698	1,143	1,061	1,208	578
Crucibles	62	93	102	105	101	119
Finland	204	359	341	199	266	262
France	3,626	3,776	5,060	4,534	4,782	4,197
Germany (Federal)	5,621	7,320	10,176	11,447	12,450	12,323
Iceland	16	5	11	24	10	20
Italy	2,483	2,792	2,615	4,429	6,632	5,004
Netherlands (d)	1,047	990	888	1,131	1,059	900
Norway—						
Graphite	179	198	220	258	346	185
Crucibles, etc.	73	96	97	121	98	87
Portugal	69	29	51	84	56	80
Sweden	593	733	905	982	1,668	1,087
Yugoslavia	933	1,031	1,129	521	953	658
Algeria	7	1	6	1	4	8
Belgian Congo	n.a.	5	3	24	40	5
Egypt	52	183	r 243	312	276	329
Mozambique	—	3	2	3	3	3
Tunisia	2	6	3	3	3	1

(a) Total imports.

(b) Federation of Rhodesia and Nyasaland.

(c) Years ended March 31 following that stated.

(d) Including artificial graphite.

(e) Years ended June 30 of that stated.

IMPORTS OF GRAPHITE (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Mexico (a)—						
Graphite	180	190	209	100	90	198
Crucibles	110	128	240	212	205	193
United States (b)	45,572	36,274	43,361	42,684	37,073	24,144
Argentina	298	697	800	402	616	248
Brazil (a)—						
Graphite	—	4	5	—	—	60
Crucibles	60	518	173	260	291	232
Chile	34	37	83	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia (c)	11	22	18	29	38	81
Peru (c)	29	40	127	100	26	<i>n.a.</i>
Uruguay	15	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	37	—
Venezuela (a)	46	28	<i>n.a.</i>	84	155	254
Burma (a)	2	2	18	29	95	—
Formosa	1,010	1,921	1,887	1,521	2,123	1,293
Indonesia (c)	215	138	276	284	190	174
Israel—						
Crucibles	48	37	42	59	34	60
Lebanon (c)	11	10	20	35	11	6
Japan	14,999	34,944	86,372	110,910	148,831	81,877
Philippine Republic	68	79	55	44	67	108
Syria (c)	15	5	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Thailand (a)	154	209	166	309	418	671
Turkey—						
Graphite	52	28	34	45	70	24
Crucibles, etc.	46	34	78	17	39	111

(a) Total imports.

(b) In addition the following amounts of artificial graphite were imported:—

Year	Long tons
1953	252
1954	189
1955	211
1956	74
1957	7
1958	22

(c) Including artificial graphite.

GYPSUM
PRODUCTION OF GYPSUM

Long tons^s

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain—						
Gypsum	1,521,600	1,653,600	1,580,400	1,689,600	1,699,200	1,486,800
Anhydrite	1,152,400	1,107,800	1,335,700	1,644,600	1,650,300	1,764,400
Kenya	841	503	851	1,908	(g) 4,846	(g) 2,618
Tanganyika	1,158	6,342	7,502	8,695	9,493	9,145
Union of South Africa	150,042	155,073	159,108	186,940	160,618	228,217
Canada (a)	3,427,714	3,735,873	4,053,268	4,375,237	4,202,254	3,549,000
Jamaica	74,093	(b) 160,000	(c) 82,155	124,876	189,161	599,591
Trinidad	—	—	—	432	2,336	2,777
Ceylon	428	229	114	492	744	136
Cyprus (b)	190,000	200,000	160,000	124,000	144,000	139,000
India	585,839	612,120	689,905	849,583	922,000	781,846
Pakistan	r 27,527	31,249	28,046	36,200	64,064	66,095
Australia	329,992	439,716	470,014	467,484	478,435	503,708
Irish Republic	90,871	100,267	124,460	118,144	133,000	104,000
OTHER COUNTRIES						
Austria (a)	295,209	360,855	405,834	445,682	517,334	533,428
Belgium	28,877	35,590	35,336	34,221	35,809	42,896
Czechoslovakia	n.a.	160,000	208,000	171,000	208,000	n.a.
France (a)	2,850,818	3,136,629	3,587,465	3,511,370	3,596,701	3,842,000
Germany (Federal) (d)	765,000	832,000	881,000	923,000	866,000	845,000
Germany (East) (d)	180,000	193,000	206,000	213,000	228,000	219,000
Greece	25,000	20,000	15,000	17,000	(b) 17,000	25,000
Italy (including alabaster)	661,157	702,935	789,140	r 865,135	943,046	n.a.
Luxemburg	9,303	1,891	7,162	8,036	9,523	9,990
Poland	n.a.	304,000	325,000	348,000	n.a.	n.a.
Portugal	45,639	56,968	r 56,968	r 54,206	63,626	42,684
Spain	1,035,657	868,868	963,534	1,157,046	1,585,718	n.a.
Switzerland	123,000	147,000	(e) 196,000	237,000	231,000	88,000
U.S.S.R.	2,353,000	2,499,000	2,825,000	2,972,000	(e) 2,900,000	(e) 2,900,000
Yugoslavia	43,784	88,000	66,000	n.a.	n.a.	n.a.
Algeria	71,939	71,738	118,000	75,000	(b) 75,000	(b) 100,000
Angola	8,582	8,618	2,706	19,596	6,704	4,557
Belgian Congo	6,000	9,000	10,000	10,000	11,000	(e) 10,000
Egypt	183,000	140,193	175,793	200,502	930,000	(e) 1,000,000
Morocco	14,143	20,491	14,483	25,060	—	—
Sudan	7,327	3,375	3,061	1,378	—	—
Tunisia	22,400	29,728	34,329	13,165	(b) 15,000	16,300
Dominican Republic	18,295	26,083	57,422	75,051	72,129	75,206
Guatemala	—	—	—	—	6,000	15,000
United States	7,404,354	8,032,107	9,539,047	9,211,146	8,209,446	8,613,285
Argentina	n.a.	n.a.	128,075	146,000	150,683	(e) 147,000
Brazil	73,604	74,226	159,102	152,108	107,961	128,022
Chile	36,647	44,648	46,618	40,486	31,632	n.a.
Colombia	7,400	15,000	22,000	50,000	55,000	49,000
Peru	38,531	30,232	43,004	n.a.	n.a.	n.a.
Venezuela (f)	600	—	—	—	—	—

(a) Including anhydrite.

(b) Estimated.

(c) Exports.

(d) Crude estimated on production of calcined.

(e) United States Bureau of Mines' estimate.

(f) Production in Government quarries only.

(g) Excluding gypsum used in the manufacture of cement.

PRODUCTION OF GYPSUM (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Burma	n.a.	3,180	—	—	—	—
Formosa	1,880	r 3,949	10,042	12,270	6,283	9,943
Israel	22,491	29,064	(a) 50,000	(a) 54,000	21,200	(a) 35,000
Japan	266,819	322,238	334,064	372,677	470,357	471,069
Philippine Republic ..	—	—	—	—	—	1,508
Thailand	—	—	—	—	2,067	5,600
New Caledonia	18,959	2,598	—	—	—	—
TOTAL*	r24,400,000	r26,600,000	r30,000,000	r31,200,000	31,500,000	32,000,000

*Excluding gypsum known to have been produced in Bulgaria, Roumania, Cuba, Mexico, China, Korea and many other countries. Also excluded is production of "Juss" (an impure sandy gypsum) in Iraq, recently amounting to over 300,000 tons annually.

(a) Estimated.

EXPORTS OF GYPSUM
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Calcined	14,579	12,115	13,625	14,842	17,491	11,576
Tanganyika	1,713	4,440	7,812	9,450	9,667	9,527
Union of South Africa ..	18,262	16,498	22,269	34,512	33,971	47,529
Canada—						
Crude	2,473,205	2,527,629	2,713,564	3,429,215	3,045,254	2,587,705
Calcined	78	153	87	133	21	14
Jamaica	56,784	159,877	81,743	120,583	178,986	587,759
Cyprus—						
Crude	94,720	91,663	89,998	25,424	41,687	27,067
Calcined	7,420	6,877	3,747	3,023	1,256	2,722
India	n.a.	n.a.	n.a.	n.a.	1,510	1,385
Australia (a)						
Crude	24,079	42,695	36,981	36,373	33,496	70,900
Calcined	1,451	5,578	9,516	7,582	5,181	5,709
Irish Republic—						
Crude	20,161	31,714	32,693	40,026	55,966	38,590
Calcined	2,320	2,857	n.a.	n.a.	n.a.	n.a.
OTHER COUNTRIES						
Austria—						
Crude and ground ..	18,516	20,317	23,433	24,135	22,013	26,167
Calcined	11	—	48	1,226	1,742	57
Belgium-Luxemburg						
E.U.—						
Crude	542	417	52	292	816	510
Calcined	5,983	7,707	8,779	9,701	9,692	9,871
Denmark—						
Crude and calcined ..	35	31	31	23	4	14
France—						
Crude	524,166	573,324	616,493	433,076	369,085	389,875
Calcined	60,988	69,535	68,109	60,310	70,362	65,957
Germany (Federal)—						
Crude and calcined ..	153,558	162,126	148,398	183,884	169,165	142,932
Germany (East)—						
Calcined	21,583	24,501	25,145	29,441	37,777	35,059
Italy—						
Crude	561	229	621	2,512	941	2,021
Calcined	238	327	309	769	403	430
Netherlands						
Calcined	2,683	1,244	313	2,553	5,738	4,071
Portugal—						
Crude	470	759	536	635	710	884
Sweden—						
Calcined	28	34	15	9	11	307
Switzerland—						
Ground and calcined ..	52	40	190	106	75	63
Yugoslavia—						
Crude	31,952	26,776	—	23,977	15	—
Ground and calcined ..	2,747	—	4,231	5,076	4,497	1,559
Algeria	128	55	37	45	16	—
Angola—						
Crude	2,076	3,044	7,107	2,399	5,257	3,918
Egypt—						
Crude and ground ..	17,118	r 20,228	r 17,086	18,898	20,250	12,312
Calcined	1,382	r 3,408	r 15,063	8,967	19,956	25,105

(a) Years ended June 30 of that stated.

EXPORTS OF GYPSUM (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
(cont.)						
Morocco—						
Crude	23,152	9,390	21,604	14,066	15,413	26,188
Calcined	555	870	942	343	335	2,412
Dominican Republic ..	15,959	28,855	50,288	63,437	65,127	51,435
Mexico—						
Crude	250,421	337,221	333,807	423,600	493,042	545,054
Calcined	4	42	139	156	477	74
United States—						
Crude and calcined ..	21,152	19,986	20,124	18,533	21,828	25,783
Argentina	55	—	917	1,674	544	33
Venezuela	—	—	2,879	—	2,756	2,608
Japan—						
Crude	359	944	2,038	25	58	204
Calcined	136	130	154	222	372	362
Syria	9,597	357	n.a.	n.a.	n.a.	n.a.

IMPORTS OF GYPSUM

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Crude, including						
alabaster	75,009	85,206	89,489	63,783	70,876	78,544
Calcined	2,009	1,875	1,632	1,163	1,669	842
Kenya—						
Crude	225	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Southern Rhodesia—						
Crude and calcined	14,841	(b) 15,435	(b) 19,341	(b) 34,493	(b) 34,509	(b) 38,999
South West Africa	27	39	(c)	(c)	(c)	(c)
Uganda—						
Crude	269	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Union of South Africa—						
Crude and calcined	770	1,218	(d) 1,526	(d) 1,804	(d) 1,641	(d) 1,556
Bermuda—						
Calcined	226	257	226	204	322	<i>n.a.</i>
Canada—						
Crude and ground	488	4,427	14,379	62,889	82,267	96,462
Calcined	19,670	17,127	23,157	20,352	15,557	28,502
India—						
Crude	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	27,954	4,918
Calcined	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	97	101
Australia (a)	5	8	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
New Zealand—						
Crude	30,506	39,413	33,866	32,736	47,408	56,444
Calcined	11,107	16,539	20,648	18,346	16,830	15,019
OTHER COUNTRIES						
Austria—						
Crude and ground	3	67	16,443	10,945	1,375	6,856
Calcined	300	566	942	1,028	1,207	1,796
Belgium-Luxemburg						
E. U.—						
Crude	249,113	219,701	241,569	263,103	262,124	231,288
Calcined	38,090	37,379	41,760	39,779	47,794	40,052
Denmark—						
Crude	35,407	39,432	36,796	31,688	40,135	34,261
Calcined	5,184	5,362	6,232	6,140	5,720	7,132
Finland—						
Crude	42,048	53,854	45,172	51,424	41,455	37,883
Calcined	18,290	22,040	30,428	32,425	35,884	29,083
France—						
Crude and calcined	504	915	14,200	30,432	19,669	4,379
Germany (Federal)—						
Crude and calcined	8,505	11,182	14,365	13,555	13,458	19,295
Iceland	37	90	44	44	48	32
Italy—						
Crude	—	1	20	1	38	32
Calcined	37	77	83	176	67	117
Netherlands—						
Crude	79,071	39,164	50,430	57,426	70,361	59,952
Calcined	33,887	36,748	38,436	39,904	44,294	43,795
Ground	204,930	208,525	124,438	25,319	2,509	1,372
Norway—						
Crude	28,926	32,650	35,553	33,008	34,758	36,824
Ground	3,272	3,168	3,457	4,514	4,370	4,718
Portugal—						
Crude	5,866	6,980	6,950	8,578	9,222	9,350
Calcined	10	12	16	16	16	22

(a) Years ended June 30 of that stated.

(b) Federation of Rhodesia and Nyasaland.

(c) Included under Union of South Africa.

(d) Including South West Africa.

IMPORTS OF GYPSUM (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Sweden—						
Crude	83,413	111,848	97,954	106,243	115,074	126,716
Calcined	15,357	17,683	17,280	20,940	23,740	19,792
Switzerland—						
Ground and calcined ..	150	192	327	500	496	632
Algeria—						
Crude	984	—	—	—	4,922	39
Calcined	3,614	3,276	3,551	3,652	7,866	6,328
Angola—						
Crude and calcined ..	398	509	517	555	575	662
Belgian Congo—						
Crude and calcined ..	6,349	6,583	13,820	10,763	10,753	10,459
Egypt—						
Crude and ground ..	1	—	2	2	—	—
Calcined	35	21	29	20	6	17
Madagascar	72	87	91	136	104	86
Morocco	287	176	148	81	55	42
Mozambique—						
Crude	3,020	2,099	7,410	6,225	7,827	9,012
Calcined	126	229	83	111	118	115
Sudan	254	309	408	295	176	n.a.
Tunisia—						
Crude	984	r 79	r 111	—	—	—
Calcined	80	r —	r —	106	113	131
Costa Rica (a)	n.a.	43	56	73	78	79
Cuba (a)	3,863	4,416	3,590	3,851	4,235	n.a.
Mexico (a)—						
Crude	n.a.	n.a.	n.a.	53	1,445	1,029
Salvador—						
Crude	488	2,533	5,393	3,358	3,039	2,564
Calcined	17	19	59	22	39	30
United States—						
Crude	2,843,118	3,007,262	3,550,987	r 3,880,478	3,870,060	3,614,942
Ground	534	608	837	1,023	777	703
Calcined	259					
Argentina—						
Crude	—	74	—	—	137	32
Brazil (a)—						
Crude	24	28	18	79	33	13
Ground	6	4	—	—	—	—
Colombia—						
Ground, crude ..	2,962	3,959	5,628	17,027	9,151	11,072
do. calcined ..	305	180	264	334	269	362
Peru—						
Crude and calcined ..	36	32	166	65	79	n.a.
Uruguay—						
Crude and ground ..	r 8,685	n.a.	n.a.	n.a.	8,783	20,529
Venezuela (a)	1,372	307	n.a.	214	114	122
Indonesia—						
Crude	2,621	1,067	1,328	4,297	12,438	364
Calcined	52	67	72	93	60	88
Israel—						
Crude	—	—	10	98	—	—
Calcined	62	176	82	65	54	94
Japan	28,386	59,951	16,416	20,514	21,032	26,981
Lebanon	20,967	16,251	18,527	12,394	37,415	27,282
Philippine Republic—						
Crude	8,871	10,513	13,800	n.a.	n.a.	n.a.
Calcined	371	358	641	919	n.a.	534
Syria	14	14	n.a.	n.a.	n.a.	n.a.
Thailand (a)—						
Crude	n.a.	n.a.	8,063	5,105	962	546

(a) Total imports.

**IRON AND STEEL
PRODUCTION OF IRON ORE***
(including Manganiferous Iron Ore)

Long tons

Producing Country	Estimated Iron Content											
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES												
United Kingdom (a)...	15,817,500	15,557,200	16,175,100	16,245,400	16,902,100	14,612,400	4,429,000	4,200,000	r 4,367,000	4,386,000	4,564,000	3,945,000
Northern Rhodesia (b)...	2,169	961	2,164	—	—	—	1,300	500	1,100	—	—	—
Sierra Leone	1,367,046	816,556	1,235,384	1,311,059	1,323,895	1,299,349	835,000	506,000	772,000	810,000	830,000	815,000
Southern Rhodesia	62,034	63,290	82,838	—	132,829	142,416	35,700	36,400	47,700	65,600	76,400	81,900
South West Africa	—	1,721	—	—	339	6,616	—	n.a.	—	—	n.a.	n.a.
Uganda	—	—	—	(b) 1,005	—	—	—	—	—	—	—	—
Union of South Africa	1,939,595	1,863,190	1,967,347	2,031,685	2,047,494	2,177,422	1,209,000	1,161,000	1,242,000	1,220,000	1,230,000	1,310,000
Canada	5,812,337	6,572,855	14,538,551	19,953,820	19,885,870	14,041,360	3,197,000	3,615,000	7,996,000	10,975,000	10,937,000	7,723,000
Hong Kong	123,200	90,800	115,500	122,963	94,182	105,125	61,000	44,000	66,000	69,000	53,000	59,000
India	3,854,865	4,308,273	4,677,538	4,857,914	5,074,000	6,033,000	2,470,000	2,760,000	2,980,000	3,110,000	3,250,000	3,860,000
Malaya	1,062,678	1,212,780	1,466,184	2,444,570	2,972,359	2,795,261	595,000	679,000	821,000	1,370,000	1,665,000	1,565,000
Pakistan	n.a.	713	176	7,012	23,313	8,097	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Australia	3,298,718	3,518,804	3,572,609	3,923,985	3,805,473	3,925,524	2,132,000	2,274,000	2,304,000	2,543,000	2,465,000	2,544,000
Fiji	—	—	—	—	1,300	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
New Zealand (b)	2,762	2,916	2,550	2,777	2,399	1,533	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOTAL	33,343,000	34,010,000	43,836,000	r51,016,000	52,266,000	45,150,000	12,986,000	13,254,000	15,113,000	r15,812,100	17,600,000	18,000,000
OTHER COUNTRIES												
Albania	n.a.	n.a.	n.a.	n.a.	n.a.	87,000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Austria	2,713,093	2,677,788	2,793,621	3,206,433	3,440,511	3,356,519	851,000	836,000	871,000	1,003,000	1,075,000	1,053,000
Belgium	101,590	83,234	106,471	142,000	135,000	128,000	36,000	29,000	37,000	50,000	47,000	43,000
Bulgaria	113,000	116,000	111,000	232,000	267,000	288,000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Czechoslovakia	1,700,000	1,651,000	1,955,000	2,101,000	2,766,000	2,755,000	510,000	500,000	590,000	630,000	830,000	830,000
Finland (c)	16,431	131,905	181,560	202,912	206,470	212,000	10,800	86,700	119,700	133,100	134,600	138,000
France	41,776,954	43,133,433	49,516,812	r51,871,979	56,864,000	58,499,000	12,986,000	13,254,000	15,113,000	r15,812,100	17,600,000	18,000,000
Germany—												
Federal Republic	14,388,000	12,830,000	15,436,000	16,661,000	18,031,000	17,700,000	3,828,000	3,495,000	4,160,000	4,441,000	4,751,000	4,670,000
Eastern	1,338,000	1,447,000	1,638,000	1,729,000	1,455,000	1,482,000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Greece	86,938	75,946	192,166	409,721	539,138	n.a.	44,000	39,000	98,000	r 205,000	276,000	n.a.
Hungary	353,000	421,000	347,000	300,000	273,000	365,000	109,000	131,000	108,000	93,000	85,000	113,000
Italy	1,013,358	1,101,036	1,409,368	1,660,715	1,577,711	1,270,867	1,891,000	550,000	680,000	840,000	800,000	635,000
Luxemburg	7,056,411	5,794,000	7,090,816	7,474,900	7,719,300	6,670,900	1,571,000	1,571,000	1,903,000	2,002,000	2,091,000	1,861,000
Norway	1,167,557	1,077,290	1,235,754	1,525,472	1,522,976	1,575,604	701,000	692,000	792,000	977,000	968,000	1,001,000
Poland	1,288,000	1,549,600	1,827,000	1,942,000	1,964,000	2,138,800	410,000	500,000	600,000	640,000	650,000	700,000
Portugal	142,682	110,516	186,583	233,739	281,859	228,466	71,341	55,528	93,296	116,870	140,924	114,233
Roumania	677,580	589,490	626,942	683,379	634,314	731,742	300,000	270,000	280,000	310,000	290,000	330,000
Spain	2,976,366	2,869,330	3,708,910	4,409,766	5,155,739	4,830,000	1,340,000	1,290,000	1,670,000	1,980,000	2,479,000	2,320,000

* For detailed figures see page 146.

- (a) In addition bog ore and iron ore (not used for smelting) are produced.
- (b) Used mainly or entirely for purposes other than iron production.
- (c) Concentrates.

PRODUCTION OF IRON ORE (cont.)

Long tons

Producing Country	ORE							Estimated Iron Content				
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)												
Sweden	16,715,100	15,083,404	17,080,712	18,648,137	19,608,904	18,104,000	10,015,000	9,138,000	10,287,000	11,123,000	11,564,000	10,860,000
Switzerland	103,600	100,000	127,000	129,000	114,000	77,000	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
U.S.S.R.	58,700,000	63,300,000	70,700,000	76,800,000	82,900,000	87,000,000	235,200,000	238,000,000	242,400,000	246,100,000	249,700,000	252,000,000
Yugoslavia	782,362	1,093,200	1,376,214	1,867,724	1,846,485	1,965,500	350,000	490,000	620,000	860,000	1,500,000	880,000
Algeria	3,334,800	2,880,600	3,541,000	2,502,000	2,746,124	2,703,187	1,667,000	1,440,000	1,771,000	1,342,000	1,500,000	1,236,000
Angola	—	—	—	—	103,932	283,664	—	—	—	—	63,000	184,000
Belgian Congo (c)	—	3,837	12,288	20,936	28,092	3,339	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Egypt	602	1,398	1,280	—	28,092	3,339	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Guinea	392,335	582,765	640,000	833,500	1,071,900	408,239	208,000	309,000	339,000	433,000	536,000	204,000
Liberia	1,264,000	(b) 1,190,051	(b) 1,716,932	(b) 2,036,041	(b) 2,128,650	2,034,501	872,000	800,000	1,159,000	1,355,000	1,447,000	1,383,000
Morocco	1,479,254	1,252,226	1,120,069	1,173,541	1,245,217	1,513,381	810,000	700,000	750,000	990,000	1,640,000	860,000
Tunisia	1,040,351	934,500	1,120,069	1,151,642	1,158,382	1,083,285	560,000	510,000	620,000	633,000	640,000	543,000
Cuba	r 218,129	r 75,185	r 120,571	r 145,454	195,365	19,203	—	—	—	—	—	—
Dominican Republic	90,216	105,000	99,269	161,695	179,987	29,646	61,300	71,000	68,000	107,000	119,000	20,000
Guatemala	(f) 2,000	(f) 2,000	(f) 3,000	(f) 3,000	4,000	5,000	107,000	107,000	68,000	107,000	119,000	20,000
Mexico	538,550	513,830	704,000	801,000	935,000	955,000	325,946	308,604	422,467	480,916	559,519	572,301
United States (c)	119,101,367	78,627,305	703,815,705	498,443,330	106,920,853	68,412,000	60,000,000	40,000,000	53,000,000	51,000,000	55,000,000	35,000,000
Argentina	(d) 72,000	(d) 59,500	89,787	(d) 64,000	65,997	5,138,000	35,000	29,000	45,000	32,000	30,000	69,000
Brazil	3,560,351	3,022,243	3,328,511	4,021,305	4,898,090	3,696,450	2,350,000	1,960,000	2,160,000	2,610,000	3,180,000	3,320,000
Chile	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	r 1,719,709	r 1,339,700	r 1,034,391	1,538,584	1,923,020	2,324,223
Colombia	—	81,899	343,461	387,990	583,763	552,993	840,000	1,261,000	1,040,000	1,743,000	2,114,000	1,985,000
Peru	1,359,341	2,084,888	1,737,743	2,873,600	3,522,765	3,532,108	840,000	1,261,000	1,040,000	1,743,000	2,114,000	1,985,000
Venezuela	2,260,132	5,334,986	8,306,162	10,929,398	15,135,068	15,239,986	1,446,000	3,414,000	5,316,000	6,995,000	9,686,000	9,754,000
Burma (e)	—	2,240	3,914	1,821	4,155	4,155	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
China (e)	8,000,000	10,000,000	12,000,000	14,000,000	16,000,000	28,000,000	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Iran (b) (f)	—	n.d.	n.d.	n.d.	12,239	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Japan (d) (g)	1,655,857	1,637,574	1,542,384	1,975,117	2,203,517	2,056,393	901,000	886,000	842,000	1,082,000	1,201,000	1,128,000
Korea (South)	18,671	30,506	r 28,135	41,874	182,484	256,902	r 9,500	r 15,000	r 21,300	r 31,600	r 93,100	131,000
Lebanon	30,000	50,000	r 42,000	31,403	41,586	23,000	15,000	r 25,000	r 14,000	r 14,000	r 19,000	11,000
Philippine Republic	1,198,630	1,402,394	1,410,084	1,417,486	1,325,099	1,081,379	695,000	813,000	818,000	822,000	769,000	627,000
Portuguese India	928,794	1,358,845	2,176,074	2,504,381	2,901,017	2,888,556	511,000	747,000	1,245,000	1,453,000	1,712,000	1,712,000
Thailand	7,559	2,712	5,000	5,684	8,833	14,517	5,000	1,800	3,300	3,800	5,800	9,600
Turkey	489,428	576,947	860,174	915,574	1,145,812	935,590	294,000	346,000	516,000	550,000	687,000	562,000
New Caledonia	—	—	—	27,700	230,000	290,000	—	—	—	15,000	128,000	161,000
TOTAL	303,000,000	226,000,000	324,000,000	342,000,000	375,000,000	351,000,000	375,000,000	342,000,000	375,000,000	427,000,000	427,000,000	396,000,000
WORLD'S TOTAL	336,000,000	230,000,000	368,000,000	393,000,000	427,000,000	396,000,000	427,000,000	393,000,000	427,000,000	472,000,000	472,000,000	396,000,000

Iron ore is also known to have been produced in North Korea.
 (a) Estimated.
 (b) Exports.
 (c) Usable ore.
 (d) Including iron sand as follows (long tons): 1953—352,457; 1954—517,286; 1955—570,628; 1956—905,055; 1957—1,067,084; 1958—898,910.
 (e) Including iron sand entirely for purposes other than iron production.
 (f) United States Bureau of Mines estimate.
 (g) Year ended March 20 following that stated.

DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Hematite	468,900	466,200	449,700	452,600	446,700	453,100
Jurassic ironstones—						
Lower lias	3,416,200	3,988,900	4,419,400	4,485,300	4,905,700	4,691,000
Middle lias	3,738,800	3,215,500	3,227,900	3,460,000	3,189,600	2,628,300
Inferior oolite	8,193,500	7,890,200	8,078,000	7,847,500	8,360,100	6,840,000
Other iron ore	100	400	100	—	—	—
Sierra Leone—						
Red ore	521,644	247,856	314,720	321,356	306,320	298,256
Concentrates	831,797	568,700	920,664	985,845	1,017,680	1,001,093
Washed fines	13,605	—	—	—	—	—
Union of South Africa—						
Hematite	1,939,595	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Carbonate	—	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
France—						
Phosphoric	38,843,458	40,538,856	45,952,284	r 48,130,143	52,985,000	55,029,000
Medium phosphoric	2,709,622	2,410,774	3,250,425	r 3,427,076	3,571,000	} 3,470,000
Non-phosphoric	223,874	183,803	314,103	r 314,760	298,000	
Italy—						
Iron ore	975,638	1,074,006	1,371,680	1,647,329	1,555,815	1,262,000
Manganiferous iron ore	37,720	27,030	33,686	13,386	21,896	9,000
Luxemburg—						
Siliceous iron ore	2,190,739	2,248,000	2,619,471	2,686,000	2,823,121	2,934,770
Calcareous iron ore	4,425,488	3,137,000	4,069,290	4,302,000	4,442,424	3,292,407
Ferruginous limestone	440,184	409,000	402,057	486,000	453,755	305,983
Portugal—						
Hematite	120,367	80,882	137,655	160,450	185,493	133,018
Magnetite	22,315	29,634	48,928	73,289	96,366	95,448
Sweden—						
Manganiferous iron ore	44,300	8,000	124,000	115,000	46,000	<i>n.a.</i>
Other iron ore	16,671,000	15,075,000	16,957,000	18,533,000	19,563,000	<i>n.a.</i>
By phosphorus content						
(a)—						
Under 0.006%	643,637	679,946	695,673	738,991	1,002,770	<i>n.a.</i>
0.006% to under 0.04%	2,261,490	2,280,536	2,436,729	2,551,620	2,656,578	<i>n.a.</i>
0.04% to under 0.1%	637,269	57,866	319,310	600,263	362,971	<i>n.a.</i>
0.1% to under 0.7%	5,720,671	4,805,223	5,452,146	6,328,578	7,214,504	<i>n.a.</i>
0.7% to under 1%	1,593,003	1,263,519	1,228,302	1,286,296	1,213,508	<i>n.a.</i>
1% and over	5,859,030	5,996,214	6,948,551	7,142,390	7,158,573	<i>n.a.</i>
United States—						
Ore containing less than 5% Mn—						
Hematite (b)	102,553,404	66,384,324	92,957,669	81,143,609	86,135,918	50,931,000
Magnetite (b)	12,585,681	8,593,011	6,550,062	r 12,446,062	15,798,143	12,183,000
Limonite	2,238,236	2,315,407	r 2,461,011	r 3,202,450	3,403,979	4,094,000
Pyrite cinder and sinter	617,448	836,052	1,034,002	1,085,210	810,379	739,000
Ore containing 5 to under 10% Mn	863,082	} 498,511	{ 669,057	440,221	549,129	386,473
Ore containing 10 to under 35% Mn	243,516			144,904	125,778	223,305	78,349

(a) Calculated on a basis of 50% Fe content.

(b) A small quantity of hematite is included with magnetite, and a small quantity of magnetite with hematite.

EXPORTS OF IRON ORE
(including Manganiferous Iron Ore)
(Domestic Produce)

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom	677	895	1,314	786	758	708
Sierra Leone	1,200,240	877,306	1,331,573	1,328,019	1,444,542	1,421,563
Union of South Africa	3,588	473	4,281	27,867	11,637	7,706
Canada	4,303,550	5,470,480	13,008,000	18,094,080	17,972,769	12,391,314
Hong Kong	116,392	85,967	123,698	123,705	103,876	108,492
India	1,094,570	1,055,671	1,297,447	1,692,626	2,215,838	1,866,342
Malaya	1,018,336	1,060,382	1,592,268	2,376,485	2,919,739	2,591,374
Irish Republic— Burnt pyrites	14,962	17,396	27,627	31,322	28,583	25,809
OTHER COUNTRIES						
Austria	192,251	44,299	39,415	53,628	48,995	48,245
Belgium-Luxemburg E.U.—						
Iron ore	870,086	137,807	415,918	608,429	504,048	109,713
Burnt pyrites	111,824	200,436	215,027	284,094	177,516	149,709
Denmark—						
Bog ore (a)	131,062	81,417	104,791	143,497	120,176	99,840
Burnt pyrites	63,077	73,350	86,643	90,114	96,780	98,753
Finland—						
Iron ore	8,136	141,318	218,704	205,683	213,499	206,436
Burnt pyrites	139,491	96,658	102,905	211,712	155,761	95,293
France—						
Iron ore	9,837,459	10,950,120	13,488,215	13,721,110	14,085,265	15,041,047
Burnt iron pyrites	389,769	352,236	432,183	449,624	333,830	281,161
Germany (Federal)—						
Iron ore	192,363	252,070	305,525	332,183	364,825	325,839
Burnt iron pyrites	1,016	30,755	27,469	21,983	11,187	1,011
Greece	97,402	72,610	205,541	403,307	404,164	267,174
Italy—						
Iron ore	4,121	11	47,035	41,051	69,010	12,988
Burnt iron pyrites	426,791	390,710	319,272	361,028	440,415	433,038
Netherlands—						
Iron ore	535	405	331	3,073	6,629	390
Burnt iron pyrites	258,561	302,830	389,180	381,703	322,755	183,521
Norway—						
Iron ore	894,424	895,556	1,164,163	1,242,322	1,223,611	1,140,922
Burnt pyrites	57,029	67,454	95,075	74,420	79,869	63,405
Portugal—						
Iron ore	132,769	103,894	165,805	236,285	248,398	185,158
Burnt pyrites	141,968	15,443	1	185,801	190,660	130,628
Spain	1,446,225	1,160,464	2,109,864	3,211,573	3,414,038	2,122,403
Sweden—						
Iron ore	14,323,000	13,861,000	15,407,000	17,032,000	17,191,000	14,576,000
Burnt iron pyrites	130,982	135,073	157,157	166,061	190,524	123,212
Switzerland	104,284	126,757	108,978	134,840	101,384	62,948
U.S.S.R.	n.a.	n.a.	8,678,200	8,980,300	10,602,500	11,730,800
Yugoslavia—						
Iron ore	3,989	15,731	—	—	69,145	156,962
Burnt pyrites	20,418	—	—	—	8,690	49,713
Algeria	3,198,394	2,863,965	3,567,422	2,450,057	2,701,907	2,286,737
Angola	—	—	—	6,000	91,184	219,460
Guinea	346,592	584,994	665,504	819,560	1,003,342	328,549
Liberia	1,377,911	1,238,521	1,716,932	2,036,941	2,128,650	2,034,501
Morocco—						
Iron ore	1,435,824	1,108,196	1,286,515	1,812,201	1,908,281	1,278,579
Burnt pyrites	n.a.	n.a.	n.a.	2,410	4,188	12,255

(a) Used for purposes other than iron making.

EXPORTS OF IRON ORE (cont.)

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Tunisia	1,019,437	891,542	1,090,045	1,164,661	1,156,552	992,661
Cuba	205,882	77,744	120,571	135,829	103,398	4,981
Dominican Republic .. .	90,216	93,709	99,269	160,144	147,437	20,678
Mexico	239,048	142,544	182,935	132,503	235,359	220,050
United States	4,251,955	3,145,714	4,516,828	r 5,508,296	5,002,153	3,439,107
Brazil	1,522,800	1,651,937	2,524,047	2,701,511	3,494,006	2,786,412
Chile	2,403,038	1,692,737	r 1,217,117	2,038,700	3,025,456	3,580,523
Peru	875,648	1,896,975	1,669,830	2,631,339	3,619,109	2,470,195
Venezuela	1,941,614	5,362,690	7,668,355	10,732,364	15,331,377	15,325,626
Iran(a)	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	5,391	12,239	<i>n.a.</i>
Korea	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	128,273	185,668
Lebanon	21,948	39,368	41,976	31,403	41,585	21,406
Philippine Republic .. .	1,186,955	1,276,591	1,400,738	1,928,222	1,128,193	1,039,674
Portuguese India .. .	852,762	1,228,114	1,505,314	2,014,444	2,625,363	2,427,808
Turkey	109,823	168,005	336,820	235,372	505,342	262,212
New Caledonia	—	—	—	21,159	193,311	306,537

(a) Years ended March 20 following that stated.

IMPORTS OF IRON ORE
(including Manganiferous Iron Ore)
(Less Re-exports)

Long tons

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom	10,981,013	11,611,257	12,859,343	14,330,104	15,912,253	12,898,609
Canada	3,721,046	2,709,992	4,052,483	4,525,769	4,052,704	3,047,237
India	511	618	1,271	584	1,475	645
Australia (a)	2,836	3	17	41	108,992	268,187
Irish Republic	5	807	1,715	784	855	1,697
OTHER COUNTRIES						
Austria—						
Iron ore	412,051	250,765	840,207	994,492	1,115,344	1,027,342
Burnt pyrites	346,266	328,462	321,898	351,626	356,363	391,469
Belgium-Luxemburg						
E. U.—						
Iron ore	11,613,471	12,522,507	14,730,547	15,410,093	15,762,572	16,546,142
Burnt iron pyrites	61,567	94,123	85,708	89,932	61,857	58,981
Czechoslovakia	2,990,000	3,642,000	3,864,000	3,841,000	4,845,000	5,081,000
Denmark (b)	3,684	1,831	7,998	11,337	26,537	5,992
Finland	22,018	105,663	139,370	115,136	160,371	122,199
France	973,425	306,537	544,216	633,353	1,034,583	987,116
Germany (Federal)—						
Iron ore	9,889,414	8,615,787	14,098,915	17,543,584	18,820,236	16,693,767
Burnt pyrites	1,850,692	1,390,842	1,610,672	2,365,977	2,052,970	1,581,871
Germany (East)	611,813	799,274	1,217,368	(c) 683,826	(c) 802,399	(c) 895,500
Hungary	982,000	1,267,000	1,333,000	1,100,000	1,287,000	1,779,000
Italy	722,276	622,605	822,567	1,260,244	1,727,149	2,256,035
Netherlands	1,247,267	1,101,811	1,042,679	1,352,751	1,225,804	1,748,087
Norway	6,394	6,165	3,561	96	5,051	21,973
Poland	3,048,000	4,040,000	4,337,000	4,700,000	5,820,000	5,659,000
Spain	268,388	361,971	253,278	283,554	186,743	284,713
Sweden	136	271	751	522	16,342	408
Switzerland	56,753	64,914	72,724	61,469	60,918	45,828
Yugoslavia	—	—	7,000	33,384	85,237	48,090
United States—						
Iron ore	11,074,035	15,792,450	23,471,956	30,410,652	33,653,048	27,829,895
Burnt pyrites	12,053	898	3,879	1,430	567	2,721
Formosa	14,107	3,021	14,842	15,164	23,058	11,814
Japan	4,222,444	4,925,743	5,373,233	7,732,133	9,315,844	7,493,525

(a) Years ended June 30 of that stated.

(b) Bog ore and burnt pyrites.

(c) Fe content.

PRODUCTION OF PIG-IRON AND FERRO-ALLOYS*

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	11,174,800	11,883,400	12,470,000	13,170,100	14,282,600	12,974,500
Southern Rhodesia ..	35,233	36,485	55,733	58,827	31,048	<i>n.a.</i>
Union of South Africa ..	1,203,300	1,178,000	1,281,900	1,340,800	1,401,600	1,556,700
Canada	2,825,721	2,077,829	3,040,333	3,400,610	3,502,530	2,831,889
India	1,776,269	1,961,919	1,894,758	1,958,083	1,911,250	2,101,942
Australia	1,842,408	1,856,013	1,797,533	2,074,467	2,208,140	2,276,154
TOTAL	18,858,700	18,993,600	20,540,000	22,002,900	23,337,200	21,770,000
OTHER COUNTRIES						
Austria	1,299,849	1,332,175	1,482,500	1,709,243	1,929,325	1,789,313
Belgium	4,143,343	4,552,045	5,300,060	5,678,951	5,492,532	5,432,000
Bulgaria	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	10,200	54,859	<i>n.a.</i>
Czechoslovakia ..	2,750,000	2,760,000	2,950,000	3,230,000	3,507,000	3,714,000
Finland	78,236	73,431	112,427	101,335	126,495	99,449
France (a)	8,529,329	8,701,378	10,787,058	11,298,298	11,726,532	11,777,785
Germany—						
Federal Republic ..	11,469,668	12,314,000	16,222,000	17,299,000	18,068,000	16,396,000
Eastern	1,061,000	1,297,000	1,492,600	1,549,000	1,636,600	1,746,800
Hungary	705,000	830,000	854,000	(b) 732,000	(b) 755,400	(b) 944,200
Italy	1,288,559	1,326,263	1,706,795	1,964,042	2,169,982	2,132,866
Luxemburg	2,679,000	2,756,000	3,036,000	3,260,561	3,314,744	3,233,467
Netherlands	584,093	600,900	659,000	651,200	689,500	898,800
Norway	273,067	242,862	349,951	444,716	559,584	533,700
Poland	2,321,600	2,620,700	3,062,900	3,450,800	3,624,000	3,803,100
Roumania	440,830	421,738	560,523	573,706	675,271	725,224
Saar	2,344,295	2,457,933	2,833,234	2,983,085	3,116,178	3,054,222
Spain	r 812,542	r 895,400	r 976,588	r 927,860	984,957	1,320,478
Sweden	1,040,601	985,406	1,226,991	1,389,180	1,518,950	(b)1,279,000
Switzerland	41,700	36,700	54,100	41,600	45,000	33,000
U.S.S.R.	27,000,000	29,500,000	32,800,000	35,200,000	36,400,000	39,000,000
Yugoslavia	275,926	361,943	522,067	636,078	726,000	767,000
Mexico	238,429	247,823	320,771	401,860	416,033	488,000
United States	68,973,364	53,398,430	70,771,308	69,263,802	72,141,325	52,507,405
Argentina	35,758	38,971	35,000	28,000	33,000	28,000
Brazil	880,295	1,087,830	1,069,747	1,152,855	1,179,000	(d)1,300,000
Chile	281,310	300,320	251,540	361,750	363,760	<i>n.a.</i>
Colombia	—	86,703	97,284	113,926	140,196	146,412
China (c)	2,200,000	3,100,000	3,700,000	4,700,000	5,400,000	9,300,000
Formosa	3,865	8,455	9,352	8,485	10,935	6,327
Japan	4,579,812	4,679,393	5,356,857	6,186,445	7,075,024	7,588,000
Korea (North)	<i>n.a.</i>	<i>n.a.</i>	(d) 100,000	(d) 200,000	(d) 300,000	(d) 400,000
Thailand	5,000	2,000	2,000	4,000	4,000	5,000
Turkey	209,166	r 192,600	r 197,400	r 217,900	213,080	226,493
TOTAL	146,500,000	137,200,000	168,900,000	175,800,000	184,400,000	171,000,000
WORLD'S TOTAL ..	165,400,000	156,200,000	189,400,000	197,800,000	207,700,000	193,000,000

* For details see page 151.

(a) Excluding electric furnace ferro-alloys.

(b) Excluding ferro-alloys.

(c) Estimated.

(d) United States Bureau of Mines' estimate.

DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS IN CERTAIN COUNTRIES

Long tons

Producing Country	1953	1954	1955	1956	1957	1958	
COMMONWEALTH COUNTRIES							
United Kingdom—							
Hematite	1,391,800	1,436,300	1,414,700	1,547,400	1,570,500	1,237,100	
Basic	8,069,700	8,772,100	9,295,500	9,981,800	11,265,300	10,314,800	
Foundry	1,465,800	1,441,100	1,509,300	1,411,600	1,258,700	1,228,500	
Forge	52,300	45,400	56,600	45,000	29,300	19,500	
Direct castings	1,500	1,900	700	1,000	1,000	900	
Spiegeleisen (a)	29,600	29,700	28,300	29,400	13,200	27,400	
Ferro-manganese (a)	164,100	156,900	164,900	153,900	144,600	146,300	
Union of South Africa—							
Pig-iron	1,173,000	1,152,600	1,239,800	1,278,400	1,337,900	1,488,800	
Ferro-alloys	30,300	25,400	42,100	62,400	63,700	67,900	
Canada—							
Basic	2,175,450	1,554,207	r 2,313,984	r 2,669,841	2,865,546	2,381,932	
Foundry	163,233	149,818	r 157,777	r 134,245	93,598	36,244	
Malleable	350,842	270,107	r 399,103	r 381,810	360,812	314,826	
Ferro-alloys	137,196	103,697	r 169,469	r 214,714	182,574	98,887	
India—							
Basic	1,318,540	1,344,780	1,277,557	1,367,276	1,494,751	1,579,659	
Foundry	335,881	448,064	479,393	440,056	294,511	423,245	
Direct castings	114,934	127,814	125,882	122,198	112,694	72,527	
Ferro-alloys	6,914	41,261	11,926	28,553	9,294	26,511	
OTHER COUNTRIES							
Belgium—							
Basic	3,976,997	4,409,878	5,129,338	5,527,012	5,347,330	} 5,308,000	
Forge	33,733	18,720	26,743	9,349	9,029		
Foundry	112,795	107,302	127,499	125,607	120,340		105,000
Ferro-alloys	19,818	16,145	16,480	16,983	15,833		19,000
France (b)—							
Phosphoric (over 1.4% P)—							
Basic	7,115,714	7,358,324	9,153,762	9,512,717	9,775,737	9,981,745	
Foundry	207,933	184,255	194,724	229,083	266,258	219,144	
Semi-phosphoric (from 0.5% to 1.4% P)—							
Foundry	345,640	335,745	353,221	366,041	399,132	354,483	
Open hearth, basic	7,358	168	6,221	—	2,482	—	
Hematite (less than 0.5% P)—							
Foundry	193,394	209,883	258,812	256,046	286,615	280,339	
Open hearth and Bessemer							
Spiegeleisen	153,827	130,039	124,041	140,188	152,440	131,400	
Ferro-manganese	131,717	131,483	199,782	241,798	248,997	219,215	
Other pig-iron and ferro-alloys	206,950	214,491	252,210	273,553	286,808	296,931	
Germany (Federal)—							
Hematite	401,728	} 575,000	734,000	823,000	864,000	784,000	
Malleable	176,055						
Basic	7,364,628	7,797,000	10,410,000	11,131,000	11,450,000	10,716,000	
Foundry	594,441	728,000	855,000	749,000	739,000	564,000	
Stahleisen	2,479,820	2,763,000	3,658,000	3,941,000	4,373,000	3,817,000	
Spiegeleisen	99,970	} 177,000	238,000	328,000	324,000	} 247,000	
Ferro-manganese	146,277						
Siegerland special	85,516	} 274,000	326,000	328,000	318,000	} 268,000	
Other pig-iron	86,487						
Ferro-silicon	34,746						

(a) Blast furnace ferro-alloys.

(b) Excluding electric furnace ferro-alloys.

DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
(cont.)						
Germany (East)—						
Foundry	243,900	290,000	305,900	376,000	332,600	409,100
Open hearth	487,000	674,000	850,000	789,700	889,400	929,000
Basic Bessemer	314,200	318,100	308,900	361,000	394,800	385,100
Spiegeleisen	16,100	14,700	27,800	22,000	19,800	23,600
Italy—						
Pig-iron	1,203,015	1,236,638	1,599,249	1,843,838	2,039,187	2,026,956
Spiegeleisen	14,317	10,806	13,492	19,048	15,903	21,797
Ferro-manganese	18,928	32,360	39,197	43,383	50,626	26,468
Ferro-silicon	27,472	20,860	27,218	32,615	39,946	29,950
Silico-manganese	7,887	9,503	11,084	10,840	9,644	13,224
Ferro-chrome	2,784	1,779	3,013	3,447	2,737	2,704
Ferro-titanium	128	165	145	115	185	88
Ferro-tungsten	17	65	84	59	87	35
Ferro-vanadium	27	38	79	37	79	46
Ferro-molybdenum	42	233	361	383	421	398
Silico-aluminium	654	450	535	609	641	592
Other ferro-alloys	13,288	13,366	12,338	9,668	10,526	10,608
Luxemburg—						
Basic	2,679,000	2,756,000	3,036,000	3,260,561	3,314,744	3,233,467
Norway—						
Pig-iron	57,915	58,974	121,384	188,184	241,197	255,420
Ferro-silicon	93,005	96,747	106,604	105,876	148,945	141,901
Other ferro-alloys	122,147	86,141	121,963	150,656	169,442	136,379
Saar—						
Basic	2,144,518	2,244,614	2,588,566	2,731,387	2,848,770	2,826,084
Other pig-iron and ferro-alloys	199,777	213,319	244,668	251,698	267,408	228,138
Spain—						
Pig-iron	r 792,273	r 870,423	r 948,217	r 898,612	947,229	1,281,472
Ferro-manganese	12,628	15,641	21,089	21,617	23,628	24,318
Ferro-silicon	r 7,383	r 8,925	r 7,001	r 7,393	13,746	14,007
Ferro-tungsten	r 23	r 26	r 35	r 42	63	85
Ferro-chrome	r 235	385	r 246	r 196	291	596
Sweden—						
Pig-iron	985,044	924,186	1,157,017	1,310,898	1,423,228	1,279,000
Spiegeleisen	640	—	—	—	—	—
Ferro-manganese	9,453	11,018	14,772	13,558	16,827	n.a.
Ferro-silicon	15,155	13,673	11,186	14,010	20,987	n.a.
Ferro-silico-manganese	4,897	9,585	9,485	10,911	12,964	n.a.
Ferro-chrome	20,924	18,267	23,817	26,578	30,597	n.a.
Ferro-titanium	86	30	55	51	130	n.a.
Ferro-tungsten	243	359	467	438	349	n.a.
Ferro-molybdenum	436	593	1,110	1,278	1,610	n.a.
Ferro-vanadium	30	62	200	162	102	n.a.
Metallic silicon	3,255	4,832	3,773	3,776	3,812	n.a.
Silico-chrome	124	2,276	4,428	6,827	7,550	n.a.
Other ferro-alloys	314	524	681	693	794	n.a.
Yugoslavia—						
Pig-iron	265,488	350,574	505,682	620,615	703,000	736,000
Ferro-alloys	10,438	11,369	16,385	15,463	22,707	31,337
United States—						
Basic	53,466,529	41,984,977	55,790,079	55,034,596	58,372,986	43,852,362
Bessemer	7,241,858	5,022,771	6,639,602	5,950,854	5,664,380	3,214,172
Low phosphorus	265,237	189,190	234,854	450,169	517,869	285,963
Foundry	2,233,032	2,029,493	2,459,501	2,141,380	2,035,050	1,433,954
Malleable	3,378,980	2,347,912	3,153,054	3,095,640	3,088,688	2,057,950
Other pig-iron	290,640	180,610	345,604	352,796	299,043	189,266
Ferro-manganese and spiegeleisen	899,329	669,119	852,834	864,291	929,098	605,710
Ferro-silicon and silvery pig iron	689,588	568,477	717,215	722,576	643,874	400,264
Other ferro-alloys	508,171	405,881	578,565	651,498	590,337	467,764

DETAILS OF PRODUCTION OF PIG-IRON AND FERRO-ALLOYS (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Brazil—						
Pig-iron	866,166	1,071,750	1,051,637	1,134,705	<i>n.a.</i>	<i>n.a.</i>
Spiegeleisen	685	701	670	—	<i>n.a.</i>	<i>n.a.</i>
Ferro-chrome	378	434	450	258	<i>n.a.</i>	<i>n.a.</i>
Ferro-manganese	6,000	8,188	9,251	9,879	<i>n.a.</i>	<i>n.a.</i>
Ferro-nickel	<i>n.a.</i>	<i>n.a.</i>	211	319	<i>n.a.</i>	<i>n.a.</i>
Ferro-silicon	4,206	3,892	5,224	4,668	<i>n.a.</i>	<i>n.a.</i>
Ferro-silico-manganese	2,861	2,865	2,304	2,956	<i>n.a.</i>	<i>n.a.</i>
Japan—						
Pig-iron	4,446,782	4,535,527	5,145,627	5,910,928	6,756,755	7,277,000
Spiegeleisen	1,760	3,775	2,818	4,985	6,022	5,922
Ferro-chrome	7,700	12,644	13,565	29,194	37,380	24,718
Ferro-manganese	78,855	68,135	110,327	129,714	126,765	138,899
Ferro-molybdenum	374	682	571	1,172	1,714	861
Ferro-phosphorus	589	1,680	1,723	2,003	1,998	1,948
Ferro-silicon	22,307	27,032	30,656	42,693	51,653	39,334
Ferro-titanium	75	71	137	180	82	65
Ferro-tungsten	211	206	341	620	1,077	280
Ferro-nickel	4,856	7,692	11,885	20,576	33,201	11,816
Ferro-vanadium	(a)	21	53	223	245	177
Silico-manganese	14,370	16,699	32,191	36,524	46,255	65,336
Calcium-silicon	1,778	1,808	1,751	2,835	4,817	3,217
Other ferro-alloys	155	3,421	5,143	4,798	7,060	18,693

(a) Included, if any, with "other ferro-alloys".

PRODUCTION OF STEEL INGOTS AND CASTINGS*

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	17,608,500	18,519,700	19,790,600	20,658,900	21,699,100	19,565,700
Southern Rhodesia ..	24,599	32,631	51,341	56,688	65,493	59,000
Union of South Africa (a)	1,221,300	1,355,100	1,500,800	1,525,300	1,652,100	1,743,000
Canada	3,675,061	2,852,705	r 4,048,814	r 4,733,216	4,525,133	3,879,724
India	1,506,538	1,684,754	1,704,259	1,737,929	1,710,191	1,813,070
Pakistan	10,420	9,813	10,649	10,364	11,695	9,450
Australia	2,043,123	2,210,611	2,200,555	r 2,539,061	3,020,209	3,156,227
TOTAL	r26,089,500	r26,665,300	r29,307,000	r31,261,500	32,683,900	30,266,000
OTHER COUNTRIES						
Austria	1,263,036	1,626,881	1,794,163	r 2,044,733	2,469,245	2,355,364
Belgium	4,425,624	4,893,996	5,759,882	6,211,107	6,134,900	5,911,000
Bulgaria	12,600	61,100	72,500	127,500	156,658	208,000
Czechoslovakia ..	4,297,000	4,205,000	4,403,000	4,805,000	5,084,000	5,423,000
Finland	144,365	174,306	176,023	193,920	205,402	185,434
France	9,839,076	10,459,154	12,392,937	13,186,749	13,873,371	14,384,937
Germany—						
Federal Republic ..	15,176,422	17,159,000	20,999,000	22,823,000	24,120,000	22,425,000
Eastern	2,129,000	2,293,000	2,468,000	2,696,000	2,848,800	2,994,900
Hungary	1,519,000	1,467,000	1,603,000	1,402,000	1,353,000	1,600,500
Italy	3,444,963	4,140,420	5,309,438	5,814,327	6,680,235	6,172,009
Luxemburg	2,617,000	2,783,000	3,174,390	3,401,136	3,437,522	3,325,456
Netherlands	845,934	912,900	957,800	1,033,600	1,166,500	1,414,800
Norway	108,783	118,741	168,213	285,467	344,018	365,562
Poland	3,547,000	3,886,800	4,356,500	4,935,100	5,220,000	5,542,400
Roumania	705,360	618,471	754,064	766,831	850,737	918,940
Saar	2,641,149	2,760,346	3,115,053	3,320,808	3,384,340	3,405,632
Spain	882,621	1,079,631	1,193,283	1,223,305	1,324,521	1,535,763
Sweden	1,731,079	1,810,850	2,091,059	2,361,002	2,443,404	2,360,000
Switzerland	155,000	148,000	163,000	168,000	230,000	240,000
U.S.S.R.	37,500,000	40,700,000	44,600,000	47,800,000	50,200,000	54,000,000
Yugoslavia	506,607	606,367	793,293	872,726	1,032,000	1,101,000
Egypt (e)	20,000	70,000	85,000	104,000	98,000	98,000
Mexico	516,738	599,825	713,894	r 874,381	1,032,891	1,094,865
United States (b)	99,651,535	78,849,689	104,496,504	102,871,562	100,638,389	76,120,433
Argentina	171,622	183,176	214,240	189,000	218,000	233,000
Brazil (c)	1,000,248	1,130,186	1,144,106	1,343,285	1,452,000	n.a.
Chile	308,130	316,000	304,240	375,000	381,000	384,000
Colombia	—	—	76,265	88,955	112,577	116,166
China (d)	1,800,000	2,190,000	2,740,000	4,280,000	5,300,000	11,000,000
Formosa	20,000	25,000	39,000	61,000	86,000	59,000
Japan	7,541,100	7,627,517	9,259,113	10,930,977	12,371,638	11,926,604
Korea (North) (e)	10,000	50,000	130,000	190,000	280,000	400,000
Korea (South) ..	1,000	1,000	11,000	10,000	17,859	20,422
Philippine Republic	—	—	—	—	56,000	65,000
Thailand	1,000	2,000	4,000	4,000	5,000	5,000
Turkey	160,032	166,226	188,518	189,939	172,737	157,788
TOTAL	204,700,000	r193,100,000	r235,800,000	r247,000,000	254,800,000	239,000,000
WORLD'S TOTAL ..	230,700,000	r219,800,000	r265,100,000	r278,300,000	287,500,000	269,000,000

* For details see page 155.

(a) Excluding steel castings for which the amounts produced for sale were 56,200 tons, 52,700 tons, 54,100 tons, 52,500 tons, 41,200 tons and 60,200 tons in 1953, 1954, 1955, 1956, 1957 and 1958 respectively.

(b) Excluding steel castings which were produced by companies not manufacturing steel ingots.

(c) Ingots only.

(d) Estimated.

(e) United States Bureau of Mines' estimate.

**DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS
IN CERTAIN COUNTRIES**

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ingots and castings—						
Open hearth, acid ..	1,132,500	995,400	1,000,200	985,700	960,700	761,500
do. basic ..	14,297,600	15,248,900	16,252,200	17,017,500	18,075,200	16,385,100
Bessemer, acid ..	263,400	264,500	252,200	230,100	250,400	229,200
do. basic ..	797,600	909,400	1,031,600	1,078,300	1,058,300	944,800
Ingots, electric ..	619,300	621,000	737,400	792,500	793,900	741,600
Castings, electric ..	310,400	308,400	361,000	405,200	417,300	384,200
All other ingots and castings ..	187,700	172,100	156,000	149,600	143,300	119,300
Southern Rhodesia—						
Ingots	23,687	31,492	47,769	55,378	64,063	<i>n.a.</i>
Castings	912	1,139	3,572	1,310	1,430	<i>n.a.</i>
Union of South Africa—						
Ingots—						
Open hearth and bessemer	1,118,900	1,244,800	1,378,800	1,396,500	1,472,000	1,535,500
Electric	102,400	110,300	122,100	128,800	180,100	207,500
Castings (a)	56,200	52,700	54,100	52,500	41,200	60,200
Canada—						
Ingots—						
Open hearth, basic ..	3,144,678	2,435,473	r3,497,456	r4,132,837	4,018,515	3,390,314
do. electric	435,276	344,697	r 472,491	r 492,539	384,529	408,442
Castings—						
Open hearth, basic ..	27,148	19,968	r 23,173	r 28,667	24,175	14,260
Bessemer	227	85	r 147	r 274	18	16
Electric	67,732	52,482	r 55,547	r 78,899	97,896	66,692
India—						
Ingots—						
Open hearth, basic ..	1,381,571	1,553,768	1,578,178	1,624,948	1,598,340	1,706,589
do. acid	37,495	31,263	25,830	—	—	—
Electric	61,806	69,345	66,713	70,994	63,582	60,005
Castings	25,666	30,378	33,538	41,987	48,269	46,476
OTHER COUNTRIES						
Belgium—						
Ingots, open hearth ..	493,975	485,228	630,338	658,941	622,400	(b) 562,000
do. bessemer, basic ..	3,741,019	4,243,509	4,898,081	5,200,402	5,081,500	(b) 5,080,000
do. electric	127,971	109,715	166,892	276,482	352,000	(b) 269,000
Castings	62,659	55,544	64,571	75,282	79,000	(c)
Finland—						
Ingots	135,400	163,127	164,699	182,488	192,740	174,252
Castings	8,965	11,179	11,324	11,432	12,662	11,182
France—						
Ingots and castings—						
Bessemer, acid	79,182	77,255	78,631	78,526	110,684	135,606
do. basic	5,936,789	6,214,277	7,559,856	7,914,062	8,247,933	8,546,479
Open hearth, acid ..	2,236	—	950	1,007	—	—
do. basic	3,143,157	3,343,421	3,838,241	4,195,671	4,413,398	4,454,386
Crucible	2,691	3,124	2,901	3,086	2,882	1,976
Electric	675,021	821,077	912,358	994,397	1,098,474	1,246,490
Of which—						
Ingots	9,604,977	10,227,524	12,152,464	12,948,937	13,566,878	14,038,992
Castings	234,099	231,630	240,473	237,812	306,493	345,945
Germany (Federal)—						
Ingots—						
Open hearth	8,211,196	9,478,000	10,964,000	11,708,000	12,435,000	11,326,000
Bessemer, basic	6,104,747	6,732,000	8,806,000	9,647,000	10,015,000	9,035,000
do. acid	55	—	—	—	—	—
Electric	370,974	476,000	656,000	848,000	1,025,000	1,209,000
Other	24,399	6,000	3,000	1,000	54,000	338,000

(a) Produced for sale.

(b) Including castings.

(c) Included with ingots.

DETAILS OF PRODUCTION OF STEEL INGOTS AND CASTINGS (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
(cont.)						
Germany (Federal)-(cont.)						
Castings—						
Open hearth	189,587	168,000	198,000	208,000	185,000	134,000
Bessemer	111,981	—	—	—	—	—
Electric	143,145	190,000	253,000	287,000	302,000	299,000
Other	20,338	108,000	117,000	123,000	104,000	84,000
Germany (East)—						
Open hearth	1,684,900	1,842,000	1,988,000	2,165,000	2,265,900	2,366,700
Basic Bessemer	249,200	251,400	275,900	310,200	334,500	334,400
Electric	195,100	199,900	203,900	221,000	248,400	293,800
Italy—						
Ingots	3,339,683	4,029,464	5,179,736	5,683,269	6,536,301	6,027,724
Castings	105,280	110,956	129,702	131,058	143,934	144,285
Luxemburg—						
Bessemer, basic	2,568,000	2,735,000	3,106,529	3,321,667	3,364,604	3,251,634
Electric	49,000	48,000	67,861	79,469	72,918	73,822
Norway—						
Ingots	95,371	104,982	154,110	269,595	326,413	345,739
Castings	13,412	13,759	14,103	15,872	17,605	19,823
Saar—						
Ingots—						
Open hearth	637,839	662,618	684,148	734,549	738,362	756,109
Bessemer, basic	1,947,383	2,036,009	2,362,828	2,508,279	2,592,721	2,601,152
Electric	29,538	38,050	41,235	44,413	45,515	40,337
Castings—						
Open hearth	5,332	4,946	4,974	7,173	5,206	5,588
Bessemer, acid	4,122	2,792	1,660	274	—	—
Electric	16,935	15,931	20,208	26,120	2,536	2,446
Spain—						
Open hearth and	—	—	—	—	—	—
bessemer	739,915	911,355	995,375	975,120	1,002,804	1,164,997
Electric	142,706	168,276	197,908	248,185	321,717	370,766
Sweden—						
Open hearth, acid	193,727	213,061	238,204	274,875	271,695	751,000
do. basic	505,827	496,068	527,645	556,285	535,984	
Bessemer, acid	28,238	28,648	35,125	41,204	37,439	28,000
do. basic	205,738	293,586	358,526	409,991	427,315	427,000
Electric	797,548	779,487	931,559	1,057,633	1,104,995	1,080,000
Other	—	—	—	21,014	65,976	74,000
Yugoslavia—						
Open hearth	487,607	578,765	746,844	819,002	970,000	1,027,000
Electric	19,000	27,602	46,449	53,724	61,900	74,200
United States—						
Ingots—						
Open hearth, acid	453,370	219,062	(b) 495,399	(b) 600,532	(b) 562,546	(b) 337,147
do. basic	89,050,585	71,380,259	(b) 93,575,509	(b) 91,221,419	(b) 90,203,326	(b) 67,412,312
Bessemer	3,442,594	2,275,093	2,963,854	2,882,140	2,209,945	1,246,415
Crucible and electric	6,451,812	4,804,650	7,461,742	(b) 8,167,471	(b) 7,662,573	(b) 7,124,559
Castings (a)—						
Open hearth, acid	123,500	55,819	(c) 173,352	(c) 247,967	(c) 262,921	(c) 161,416
do. basic	81,316	65,837				
Electric	48,358	48,969	47,516	—	—	—
Japan—						
Open hearth	6,183,701	6,265,084	7,690,201	8,825,319	9,772,879	9,065,736
Bessemer, basic	339,003	357,968	400,267	441,847	446,773	813,186
Electric	1,018,444	1,004,465	1,168,645	1,663,811	2,151,986	2,047,682

(a) Excluding steel castings which were produced by companies not manufacturing steel ingots.

(b) Including steel castings shown as a total below.

(c) Included with ingots.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Pig-iron—						
Forge and foundry ..	1,257	18,578	29,058	86,550	57,761	109,130
Refined	4,825	7,158	12,020	42,811	49,295	13,989
Other	303	18,012	10,097	14,174	22,078	28,568
Spiegeleisen and ferro-manganese	950	8,903	1,195	966	655	611
Ferro-tungsten	133	398	587	1,161	561	993
Ferro-molybdenum	312	248	430	439	161	296
Ferro-titanium	366	304	308	662	393	348
Ferro-vanadium	125	6	23	9	9	7
Ferro-niobium and ferro-niobium-tantalum	—	—	66	163	82	37
Other ferro-alloys	898	1,237	1,646	2,496	2,147	2,155
Iron and steel ingots	64	103	250	} 1,951	} 4,449	} 21,746
Blooms, billets and slabs—						
Iron	132	51	76			
Steel	512	1,950	2,863			
Old and scrap (a)	1,743	6,287	9,111	5,948	3,137	242,765
Channel Islands (Jersey)—						
Scrap	2,804	1,131	2,562	2,652	2,523	n.a.
Malta—						
Scrap	n.a.	11,267	9,047	8,915	10,893	n.a.
Nigeria—						
Scrap	n.a.	1,052	2,839	10,923	22,402	10,872
Southern Rhodesia—						
Pig-iron	4,671	1,927	195	5,022	10,599	1,882
Ferro-chrome	247	2,294	6,616	7,650	8,108	6,384
Ferro-silicon	n.a.	394	93	64	—	—
Union of South Africa—						
Pig-iron	5,339	42,315	21,614	649	2,350	31,474
Ferro-alloys	7,899	5,599	19,171	31,817	32,590	33,635
Ingots, blooms, billets, etc.	17	34	123	415	42	37
British West Indies—						
Trinidad and Tobago—						
Old and scrap	16,058	6,684	10,974	11,604	13,199	5,159
Canada—						
Pig-iron	308,406	180,896	227,207	230,024	515,714	300,528
Spiegeleisen	508	—	—	210	637	—
Ferro-chrome	30,200	13,664	11,030	8,837	9,225	9,339
Ferro-manganese	610	3,249	26,254	53,076	41,726	201
Ferro-silicon	48,578	30,984	52,290	68,438	58,004	31,254
Other ferro-alloys	471	761	966	554	690	505
Billets, ingots and blooms	113,404	4,773	237,919	44,246	58,200	52,239
Old and scrap	366,079	499,349	529,221	589,395	610,862	345,667
Tin-plate scrap	23,301	25,542	29,100	28,823	29,892	30,993
Hong Kong (including re-exports)—						
Pig-iron	—	2	—	1,701	1,172	117
Old and scrap	41,321	35,127	64,057	96,897	71,277	100,341
Tinplate scrap	1,372	2,866	2,359	2,444	6,307	2,141
India—						
Pig-iron	17,700	11,279	38,568	13,686	406	—
Ferro-alloys	n.a.	n.a.	n.a.	n.a.	3,004	10,553
Old and scrap	390,795	126,126	148,057	175,707	92,944	107,575

(a) Excluding ships intended for breaking up as follows (long tons):—1953—Nil; 1954—32,200; 1955—8,602; 1956—10,658; 1957—5,281; 1958—47,450.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958	
COMMONWEALTH COUNTRIES (cont.)							
Malaya (including re-exports)—							
Pig-iron	76	160	274	277	1,229	502	
Ingots, slabs etc. ..	36	555	105	166	2	72	
Scrap	82,955	50,772	57,111	115,147	99,179	60,897	
Tin-plate scrap	1,613	2,419	2,684	2,601	1,894	4,373	
Australia (a)—							
Pig-iron	161,131	116,311	60,278	14,425	17,486	16,455	
Ferro-alloys	185	8	11	1	23	7	
Ingots, blooms and billets	78,446	106,061	7,806	987	1,575	2,529	
Old and scrap	26,665	119,337	49,835	57,545	170,673	118,409	
Tin-plate scrap	11,180	8,394	11,642	9,519	9,830	18,755	
New Zealand—							
Scrap	33,831	19,728	26,224	53,131	88,402	60,875	
Irish Republic—							
Old and scrap	18,520	15,216	19,688	18,523	23,360	18,064	
OTHER COUNTRIES							
Austria—							
Pig-iron	519,648	293,770	317,909	333,178	255,369	67,662	
Ingots and blooms ..	83,605	40,088	37,501	61,619	157,031	22,905	
Scrap	10,072	4,795	2,117	3,123	9,371	6,919	
Belgium-Luxemburg E.U.—							
Pig-iron	21,657	42,696	35,932	19,516	26,228	29,817	
Spiegeleisen		4,677	4,678	3,769	4,299	3,533	
Ferro-manganese		10	3,230	7,044	4,477	14,088	13,150
Other ferro-alloys		6	7	54	68	11	741
Crude iron and steel ingots	10,290	1,107	3,014	8,822	4,436	4,390	
Steel blooms and billets	340,015	365,865	408,725	355,264	545,944	762,624	
Old and scrap	175,806	182,947	83,963	36,975	93,796	139,881	
Denmark—							
Old and scrap	19,389	20,115	26,242	24,833	24,067	23,026	
Finland—							
Pig-iron	3,026	1,031	15,369	1,838	27,802	32,069	
Ferro-alloys	—	—	6	2	4	—	
Old and scrap	2,392	963	1,097	2,077	1,681	1,431	
France—							
Pig-iron	273,959	117,295	407,674	243,870	183,815	83,781	
Spiegeleisen	1,209	1,212	5,500	4,725	425	410	
Ferro-manganese	42,460	54,891	96,742	116,822	122,795	83,036	
Ferro-silicon	2,539	8,096	12,018	4,055	5,812	4,670	
Ferro-chrome	6,232	6,051	11,615	10,130	11,887	10,623	
Other ferro-alloys	1,631	1,888	3,051	915	1,732	1,592	
Ingots	13,643	11,146	48,744	79,363	84,069	1,971	
Blooms and billets, forged or rolled ..	324,682	432,739	432,417	199,971	154,014	196,692	
Old, filings and scrap ..	68,584	852,038	659,211	544,010	643,651	579,296	
Germany (Federal)—							
Pig-iron	199,823	374,116	301,934	343,452	493,903	333,414	
Ferro-alloys	60,555	8,912	28,273	74,113	56,114	16,911	
Rough blooms, bars, ingots, etc.	146,145	361,645	316,921	242,952	492,171	547,973	
Old and scrap	478,298	759,597	486,968	758,233	742,500	926,421	

(a) Years ended June 30 of that stated.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Greece—						
Scrap	9,789	12,354	5,333	4,298	1,842	49
Iceland—						
Scrap	2,686	1,350	3,647	6,070	2,952	1,106
Italy—						
Pig-iron	—	—	16	2,525	232	448
Spiegeleisen	—	—	—	502	20	74
Ferro-manganese	1,147	1,001	550	736	211	322
Ferro-silicon	3,571	9,248	9,988	2,835	3,066	4,618
Ferro-silico-manganese	427	153	—	—	15	—
Ferro-chrome	67	5	220	1,707	3,407	5
Other ferro-alloys	—	—	14	23	—	39
Ingots	266	25,588	12,911	46,184	95,432	94,669
Blooms, billets, etc.	41,251	13,224	8,934	16,354	34,211	22,172
Scrap	604	217	1,406	1,589	15,514	294
Netherlands—						
Pig-iron	196,231	206,274	259,065	183,368	143,603	120,531
Ferro-alloys	30	30	192	27	86	125
Ingots, blooms and billets	1,727	30	14	372	138	2,468
Old and scrap	150,240	140,145	197,784	259,593	259,058	179,981
Norway—						
Pig-iron	26,579	37,086	51,440	42,811	44,288	58,415
Ferro-chrome	14,293	10,562	25,542	22,594	19,338	14,307
Ferro-manganese	64,361	48,669	64,478	74,264	77,719	41,844
Ferro-silicon	55,086	64,490	73,947	78,678	91,818	n.a.
Ferro-silico-manganese	11,580	22,354	30,437	45,811	45,126	42,274
Other ferro-alloys	5	277	280	697	2,200	4,697
Steel ingots	3	678	3,838	29,850	25,468	38,116
Old and scrap	787	677	1,208	11,545	4,705	5,693
Portugal—						
Old and scrap	11,946	9,842	33,510	23,071	24,757	22,505
Spain—						
Pig-iron	46,766	19,455	22,205	13,808	984	80,695
Sweden—						
Pig-iron	99,360	60,250	56,450	40,925	33,533	37,376
Sponge iron	12,022	16,092	21,130	20,072	22,233	17,967
Ferro-manganese	364	824	1,059	740	1,229	1,382
Ferro-silicon	3,573	6,739	6,844	4,007	3,983	4,199
Ferro-silico-manganese	3	319	35	1	—	—
Ferro-chrome	5,694	6,325	10,935	10,516	9,263	9,871
Ferro-tungsten	93	173	110	59	48	64
Other ferro-alloys	67	126	241	404	362	492
Steel ingots	4,940	2,484	5,050	2,801	1,023	522
Steel blooms	—	—	—	—	34	—
Old, filings and scrap	5,445	6,883	12,798	9,999	11,893	9,077
Switzerland—						
Pig-iron and steel, etc.	500	2,828	4,417	5,733	10,872	3,880
Ferro-alloys	1,369	2,273	960	1,327	1,849	949
Old, filings and scrap	2,630	3,584	2,981	2,657	4,397	3,149
U.S.S.R.—						
Pig iron (a)	n.a.	n.a.	1,131,200	1,337,900	1,258,100	1,029,400
Ferro-manganese (a)	n.a.	n.a.	25,200	30,900	41,000	45,000
Ferro-silicon (a)	n.a.	n.a.	25,000	37,300	39,600	29,700
Other ferro-alloys (a)	n.a.	n.a.	36,100	28,200	31,300	33,200
Steel ingots and billets	n.a.	n.a.	183,200	403,700	421,900	522,500
Scrap	n.a.	n.a.	51,400	54,800	54,300	53,800

(a) May include some foreign produce.

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Yugoslavia—						
Ferro-chrome	1,853	1,855	3,490	2,857	2,645	7,611
Ferro-manganese	1,335	2,215	4,019	2,877	3,845	7,842
Silico-manganese	1,132	123	797	493	787	197
Ferro-silicon	30	229	671	563	605	6,126
Other ferro-alloys	—	—	—	—	15	923
Steel ingots	—	—	165	80,820	46,510	19,208
Scrap	1,443	770	445	667	—	—
Algeria—						
Old, filings and scrap	77,440	64,546	62,874	72,555	88,309	32,295
Morocco—						
Old and scrap	37,450	22,438	46,506	58,000	76,405	29,402
Mozambique—						
Scrap	3,993	621	2,213	4,774	5,071	4,077
Tunisia—						
Scrap	34,221	r 23,712	r 42,620	55,667	61,507	14,653
Cuba—						
Old and scrap	27,826	16,502	30,195	90,500	271,528	n.a.
Mexico—						
Ferro-alloys	—	—	1,275	3,166	2,996	395
United States—						
Pig-iron	16,819	9,149	31,240	238,549	787,805	92,275
Ferro-manganese	993	1,546	1,597	2,007	6,603	1,255
Ferro-chrome	542	1,879	4,191	4,945	4,049	1,714
Ferro-molybdenum	289	111	156	422	171	101
Ferro-vanadium	70	63	196	r 124	120	68
Ferro-silicon	1,516	1,857	1,508	1,888	2,365	1,943
Ferro-tungsten	16	5	1	1	2	1
Ferro-titanium	165	153	219	325	327	288
Other ferro-alloys	21,127	21,884	47,779	67,613	45,160	39,904
Steel ingots, slabs, blooms, billets and sheet bars	80,018	26,308	554,762	323,861	455,670	24,806
Old and scrap	259,979	1,486,490	4,565,371	r 5,635,703	5,919,665	} 2,582,847
Tin-plate scrap	5,195	944	144	3,377	3,628	
Brazil—						
Pig-iron	n.a.	n.a.	20,549	92,109	29,632	—
Ferro-manganese	n.a.	n.a.	—	984	1,673	—
Ferro-nickel	n.a.	n.a.	—	98	—	—
Ferro-silicon	n.a.	n.a.	98	—	—	—
Chile—						
Pig-iron	11,969	32	—	11,908	17,829	150
Ferro-manganese	2,210	6,014	7,903	2,997	5,711	5,822
Peru—						
Scrap	8,578	8,234	—	11,924	8,842	n.a.
Indonesia—						
Scrap	153,871	19,611	45,741	79,016	53,709	13,996
Japan—						
Pig-iron	1,532	24,663	82,302	48	4	11,023
Ferro-chrome	49	7	2,576	3,570	5,223	4,081
Ferro-manganese	23,573	14,230	41,532	53,131	35,490	47,900
Ferro-silicon	972	840	2,372	1,132	595	1,013
Other ferro-alloys	557	5,725	7,437	12,890	21,020	22,124
Ingots, blooms and billets	115,695	129,338	343,442	218,165	38,005	58,051
Scrap	263	4,672	599	42	—	39
Korea (South)—						
Scrap	15,117	6,423	7,035	—	—	1,503

EXPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Lebanon—						
Scrap	3,538	2,063	8,772	8,705	10,924	3,577
Philippine Republic—						
Scrap	6,889	7,000	20,112	33,451	36,913	—
Thailand—						
Scrap	2,538	984	3,765	8,615	11,915	1,080
Turkey—						
Ingots and blocks ..	—	—	19,657	—	8,070	—
Old and scrap	11,023	2,809	2,981	3,862	11,476	261

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Pig-iron—						
Charcoal	646	187	570	10,335	483	662
Forge and foundry ..	—	—	7,827	992	—	573
Hematite	114,924	43,944	66,582	40,775	7,362	5,573
Basic	573,941	290,048	588,884	490,125	305,237	137,130
Other pig-iron ..	3,122	3,739	6,627	5,611	4,165	6,892
Sponge-iron	961	1,266	2,830	2,499	3,393	3,545
Spiegeleisen and ferro-						
manganese						
Ferro-silicon	762	3,386	16,550	41,674	83,254	18,087
Ferro-silicon-chrome ..	62,752	35,017	70,361	80,062	77,499	55,277
Ferro-chrome	171	662	1,695	2,313	2,097	1,744
Silico-manganese ..	16,821	9,134	26,187	26,211	29,192	25,791
Other ferro-alloys ..	10,821	6,898	10,308	13,977	13,845	16,122
Iron and steel ingots ..	250	614	1,740	1,646	1,454	1,077
Iron	137,128	33,754	183,103	115,501	11,420	711
Blooms, billets, slabs—						
Iron	1,002	2,229	633	16	223	—
Steel	394,413	67,976	291,483	256,881	234,905	82,675
Old and scrap (a) ..	861,028	759,126	1,271,720	981,447	665,574	64,766
Kenya—						
Pig-iron	923	573	701	740	1,273	140
Ingots, blooms, etc. ..	—	260	1,833	2,076	1,555	1,753
Mauritius—						
Pig-iron, ingots etc. ..	41	18	6	17	28	56
Northern Rhodesia—						
Pig, ingots, etc. ..	5,607	(b)	(b)	(b)	(b)	(b)
Southern Rhodesia—						
Pig, ingots, etc. ..	2,520	(c) 420	(c) 305	(c) 285	(c) 146	(c) 298
South West Africa—						
Pig-iron	241	—	(d)	(d)	(d)	(d)
Ferro-alloys	299	90	(d)	(d)	(d)	(d)
Tanganyika—						
Pig-iron	233	150	206	24	80	74
Ferro-alloys	60	—	—	272	488	805
Ingots, blooms, etc. ..	2	6	873	127	806	477
Union of South Africa—						
Pig-iron and steel ingots	65	54	(e) 19	(e) 11,094	(e) 16,888	(e) 2,216
Ferro-silicon	2	8	(e) —	(e) 22	(e) 28	(e) 400
Ferro-manganese ..	90	9	(e) —	(e) —	(e) —	(e) —
Other ferro-alloys ..	70	164	(e) 118	(e) 186	(e) 229	(e) 175
Canada—						
Pig-iron	22,754	17,865	11,962	11,283	6,287	23,659
Sponge iron	8	105	379	284	308	251
Ferro-manganese ..	932	7,613	3,522	1,956	664	2,217
Ferro-silicon	449	214	376	589	723	1,101
Ferro-tungsten	28	38	51	92	76	89
Silico-manganese ..	16	17	243	1,009	2,015	1,950
Other ferro-alloys ..	1,294	1,965	5,068	6,502	5,045	4,962
Ingots, blooms and						
billets	25,340	4,242	3,338	12,244	18,994	5,011
Scrap	89,404	57,449	391,471	750,220	431,137	258,397
Trinidad and Tobago—						
Pig-iron	23	5	21	57	10	48
Ingots, etc.	12	8	41	55	775	132

(a) Excluding ships intended for breaking up as follows (long tons):—1953—203,832; 1954—245,775; 1955—149,890; 1956—28,717; 1957—18,297; 1958—4,740.

(b) Included under Southern Rhodesia. (d) Included under Union of South Africa.

(c) Federation of Rhodesia and Nyasaland. (e) Including South West Africa.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Ceylon—						
Pig-iron	398	972	429	350	227	948
Ingots, blooms, billets ..	<i>n.a.</i>	<i>n.a.</i>	1,209	4,630	3,201	2,483
Cyprus—						
Pig-iron	10	665	103	687	1,899	—
Hong Kong (a)—						
Pig-iron	370	882	2,442	10,395	6,275	3,017
Ingots, blooms and billets	345	379	186	959	1,504	561
Old and scrap	4,865	12,296	20,920	20,141	30,281	14,234
Tinplate scrap	4,631	7,073	8,525	8,166	12,113	8,932
India—						
Pig-iron	—	—	—	47,420	113,608	100,443
Ingots, blooms and billets	12,134	7,046	40,389	125,846	228,710	226,917
Ferro-chrome	50	87	193	77	259	131
Ferro-manganese	580	6,197	481	291	275	200
Ferro-silicon	9	323	266	191	18	38
Other ferro-alloys	315	496	192	212	544	711
Old and scrap	(d) 44,511	(d) 10,413	1,005	23,271	8,966	4,553
Malaya (a)—						
Pig-iron	639	1,314	3,593	3,847	3,599	2,346
Ferro-alloys	41	59	70	68	43	2
Ingots, slabs, etc.	2,041	749	316	490	1,500	3,362
Scrap	1,549	3,820	2,365	5,671	4,841	3,493
Tinplate scrap	6,074	4,600	4,659	5,974	7,489	7,765
Pakistan—						
Pig-iron	(b) 5,956	(b) 30,529	(b) 13,427	<i>r</i> 12,426	27,769	18,174
Ferro-alloys	(b) 360	(b) 73	(b) 806	—	104	82
Ingots, blooms and billets	(b) 46,395	(b) 37,101	(b) 66,050	52,204	85,215	85,061
Old and scrap	(b) —	(b) —	(b) 47	11	139	692
Australia (c)—						
Pig-iron	(d) 699	—	—	(d) 158	—	—
Ferro-manganese	110	684	2,206	10,357	2,781	4,908
Ferro-chrome	2,157	1,012	994	1,701	1,911	1,240
Ferro-molybdenum	76	152	97	114	158	129
Other ferro-alloys	178	1,176	7,481	4,379	7,625	7,889
Ingots and billets of high grade carbon alloy steels	428	79	368	393	231	257
Other ingots and billets	507	141	148	345	187	34
Scrap	(d) 178	(d) 3,882	175	(d) 1,497	(d) 729	510
New Zealand—						
Pig-iron	4,844	10,940	7,523	8,553	5,480	9,761
Ferro-alloys	54	74	9	6	31	19
Billets and blooms	4,369	147	140	181	328	226
Irish Republic—						
Pig-iron	2,914	5,062	7,292	6,368	3,635	3,210
Ferro-alloys	99	522	448	455	295	348
Ingots, blooms and billets	79	2,514	6,314	5,620	1,114	5,077
Old and scrap	8	223	64	2	5	3

(a) Total imports.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

(d) Excess of re-exports.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
Austria—						
Pig-iron	460	1,941	5,982	8,332	9,492	11,498
Ferro-manganese	2,709	4,308	5,951	7,219	7,518	8,268
Ferro-silicon	2,415	2,902	6,629	7,205	8,603	6,289
Other ferro-alloys	4,384	7,544	8,915	9,871	11,445	7,545
Ingots and blooms	1,939	9,025	13,116	5,062	1,151	2,574
Scrap	32,463	56,499	83,834	134,723	208,099	61,958
Belgium-Luxemburg						
E.U.—						
Pig-iron	172,594	205,781	378,975	406,118	304,020	227,278
Sponge-iron		263	615	151	302	205
Spiegeleisen	(a)	8,478	8,994	19,451	16,642	20,666
Ferro-chrome, etc.		1,107	2,224	2,813	1,834	2,031
Ferro-manganese	49,651	42,901	62,357	71,532	80,948	46,626
Ferro-silico-manganese	1,165	2,973	1,640	3,002	2,553	2,317
Ferro-molybdenum	51	67	166	177	242	65
Ferro-silicon	(a)	8,857	12,060	17,636	17,034	11,388
Ferro-tungsten	47	40	52	69	31	29
Other ferro-alloys	11,410	276	376	687	539	482
Crude iron ingots	78,241	23,852	23,182	947	4,452	3,705
Steel ingots	79					
Blooms and billets	19,214	25,804	48,486	45,711	37,226	38,444
Old and scrap	245,230	166,765	358,227	704,917	527,466	304,605
Denmark—						
Pig-iron	40,791	49,578	57,298	56,135	69,673	39,329
Ferro-chrome	151	158	211	356	132	236
Ferro-manganese, etc.	2,406	3,535	2,716	2,412	2,460	2,305
Ferro-silicon	5,558	4,126	2,616	4,617	3,609	2,026
Other ferro-alloys	88	9	418	40	69	64
Old and scrap	1,723	1,614	4,670	1,445	6,605	4,130
Finland—						
Pig-iron	6,344	49,607	7,598	6,465	5,302	1,834
Billets	16,957	51,945	29,626	48,450	51,882	15,431
Ferro-manganese and spiegeleisen	1,165	1,620	1,754	2,556	2,925	1,363
Other ferro-alloys	2,100	1,640	2,219	3,008	3,446	2,312
Old and scrap	31,673	49,380	66,399	47,051	49,639	48,006
France—						
Pig-iron—hematite	35,763	82,144	113,391	102,602	184,893	129,831
do. other	10,183	9,797	13,709	16,922	18,007	17,939
Spiegeleisen	3,140	15,955	16,589	16,561	26,816	16,552
Ferro-manganese	563	2,686	6,012	887	40	3,405
Ferro-silicon	60	507	57	126	176	66
Ferro-chrome	4	13	20	5	2	19
Other ferro-alloys	18	1,612	14,039	13,590	16,655	11,216
Ingots	13	9,168	7,515	29,434	45,543	22,400
Blooms and billets, rolled or forged	80,329	141,783	233,342	115,431	127,895	256,700
Old, filings and scrap	15,966	86,789	363,023	656,566	624,356	557,936
Germany (Federal)—						
Pig-iron	65,727	120,319	195,520	126,369	68,912	273,363
Ferro-alloys	16,990	66,689	103,786	73,756	72,410	99,420
Rough blooms, ingots, bars, etc.	89,291	102,379	142,065	247,827	248,348	204,960
Old and scrap	161,880	597,146	1,110,300	583,533	1,270,900	354,508
Germany (East)—						
Pig iron	201,928	239,076	289,755	338,818	436,629	547,700
Greece—						
Pig-iron	r 5,033	28,730	31,367	r 33,920	33,105	55,189
Ingots, blooms, slabs, etc.	39,934	38,692	r 54,244	86,186	73,297	91,055
Scrap	n.a.	2,354	1,734	1,320	n.a.	n.a.

(a) Included, if any, with 'other ferro-alloys'.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958	
OTHER COUNTRIES							
<i>(cont.)</i>							
Hungary—							
Pig iron	163,419	183,765	97,552	117,334	108,792	20,697	
Italy—							
Pig-iron	95,148	222,482	341,088	335,981	381,921	304,543	
Spiegeleisen	2,162	1,129	2,506	2,145	168	4,411	
Ferro-chrome	2,385	3,240	3,401	6,456	5,870	6,017	
Ferro-manganese	162	789	3,857	8,211	9,257	17,703	
Ferro-silicon	572	684	243	702	2,628	2,394	
Ferro-silico-manganese	—	118	538	1,129	2,840	1,863	
Ferro-molybdenum	282	183	169	276	303	<i>n.a.</i>	
Ferro-titanium	79	36	101	209	146	282	
Ferro-tungsten	96	31	100	37	79	40	
Ferro-vanadium	22	17	36	38	65	<i>n.a.</i>	
Other ferro-alloys	245	139	58	85	70	396	
Ingots	22,286	23,970	27,285	42,402	113,097	64,998	
Blooms, billets, etc.	161,992	142,955	121,513	97,032	80,389	95,497	
Old and scrap	1,014,848	1,469,354	2,231,987	2,279,768	2,779,294	2,734,615	
Netherlands—							
Pig-iron	3,470	14,066	15,661	22,711	20,981	13,692	
Spiegeleisen		1,137	1,064	1,410	1,446	512	
Ferro-manganese		5,401	7,376	7,100	10,278	9,103	
Ferro-chrome		188	165	258	186	244	
Ferro-silicon		5,173	1,821	2,274	3,548	3,837	2,188
Ferro-silico-manganese			401	236	513	277	229
Ferro-molybdenum			24	32	40	35	35
Other ferro-alloys			31	65	101	152	515
Ingots, blooms, billets, etc.	37,420	99,366	241,492	118,886	175,330	140,317	
Old and scrap	3,513	32,137	68,580	60,276	63,505	52,373	
Norway—							
Pig-iron	15,054	20,386	21,171	16,010	12,763	11,848	
Ferro-tungsten and ferro-vanadium	19	12	26	31	57	18	
Other ferro-alloys	76	148	165	190	1,438	181	
Ingots, blooms, billets, etc.	8,518	3,858	4,259	7,862	3,913	7,468	
Old and scrap	4,214	8,973	15,863	15,768	8,280	1,696	
Portugal—							
Iron and steel ingots	8,981	13,537	12,933	10,452	12,306	12,202	
Old and scrap	1,091	4,709	2,920	2,769	3,179	4,174	
Spain—							
Pig-iron	1,223	1,963	1,455	1,285	14,384	2,615	
Ferro-manganese	5,460	3,339	1,729	163	342	120	
Other ferro-alloys	978	262	571	590	398	675	
Ingots and blooms	—	4	223	5	1,444	858	
Old and scrap	32,499	52,907	62,657	83,431	69,158	169,997	
Sweden—							
Pig-iron	52,396	98,490	97,461	143,769	89,818	91,467	
Spiegeleisen	15	30	76	221	88	59	
Ferro-manganese	1,850	2,897	3,032	6,952	7,016	3,176	
Ferro-chrome	1,310	1,350	1,883	8,082	5,430	2,398	
Ferro-silicon and ferro-silico-manganese	292	436	1,735	5,110	4,249	2,319	
Ferro-tungsten	1	—	49	158	141	62	
Other ferro-alloys	786	459	1,097	1,919	4,139	1,314	
Old, filings and scrap	34,243	46,008	69,556	24,649	37,509	60,481	
Switzerland—							
Pig-iron, steel billets, blooms, etc.	53,903	134,330	155,713	185,731	157,291	87,245	
Ferro-alloys	1,375	3,411	4,036	4,580	4,490	5,201	
Old, filings and scrap	8,460	12,198	28,602	22,910	12,134	9,717	

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
U.S.S.R. (a)—						
Pig iron	<i>n.a.</i>	<i>n.a.</i>	573,800	489,700	150,000	157,100
Ferro-alloys	<i>n.a.</i>	<i>n.a.</i>	5,000	5,200	4,700	4,800
Yugoslavia—						
Pig-iron	11,576	28,219	523	1,224	12,380	37,491
Ferro-alloys	186	343	373	683	553	537
Ingots, blooms and billets	4,668	—	—	—	469	1
Scrap	3,872	75,245	21,831	21,987	55,975	36,916
Algeria—						
Pig-iron	774	873	1,102	491	413	495
Spiegeleisen and ferro- alloys	418	363	538	626	552	775
Ingots, blooms and billets	12,038	14,455	21,122	20,329	22,164	22,398
Old, filings and scrap ..	318	42	408	140	47	12
Belgian Congo—						
Pig-iron	2,430	1,214	3,017	1,686	647	289
Ferro-alloys	312	161	75	208	379	710
Egypt—						
Pig-iron and spiegeleisen	2,575	<i>r</i> 1,739	3,427	7,473	6,645	16,997
Ferro-alloys	795	690	1,286	1,157	3,286	2,587
Ingots, billets, etc. ..	8	1,611	2,158	535	200	2,976
Scrap	2,039	<i>r</i> 1,410	<i>r</i> 4,139	2,305	3,322	4,068
Morocco—						
Pig-iron	1,630	1,220	929	579	688	783
Ferro-alloys	154	112	146	151	138	141
Scrap, etc.	1,913	522	1,128	176	335	9,806
Sudan—						
Crude iron and steel ..	12,220	9,716	7,108	5,415	11,289	11,310
Tunisia—						
Pig-iron	9	66	77	59	106	144
Old and scrap	1,887	364	<i>r</i> 1,431	388	2,084	571
Cuba (a)—						
Iron ingots	284	424	503	148	321	<i>n.a.</i>
Mexico (a)—						
Pig-iron	1,501	344	5,347	27	—	5
Ferro-manganese	123	130	145	159	160	1,192
Other ferro-alloys	1,200	1,298	2,784	2,659	3,342	3,805
Steel ingots, blooms and billets	9	7,587	5	204	12,264	1
Scrap	115,250	166,278	206,359	302,892	293,608	288,036
Tin-plate scrap	24,285	32,891	24,208	28,740	15,933	6,446
Salvador—						
Ingots, blooms, billets	491	523	477	1,242	794	322
Scrap	187	187	462	859	420	274
United States—						
Pig-iron	526,630	259,568	253,177	291,697	201,238	187,271
Spiegeleisen	701	—	—	209	—	—
Ferro-chrome	29,716	14,976	27,054	35,607	42,562	22,124
Ferro-manganese	112,963	50,689	58,029	143,038	301,856	57,082
Ferro-silicon	12,324	15,885	21,749	19,658	17,772	10,369
Ferro-titanium	154	4	28	101	114	90
Ferro-tungsten	336	276	373	479	225	87
Sponge iron	5,335	3,446	4,000	3,552	1,442	1,303
Bar-iron, slabs, blooms, etc.	155	195	71	<i>r</i> 83	101	61
Steel ingots, blooms, etc.	119,363	7,842	130,447	23,341	6,953	16,016
Scrap	117,472	184,211	175,332	199,050	181,613	264,160
Tin-plate scrap	37,582	29,213	28,721	29,137	31,431	32,824

(a) Total imports.

IMPORTS OF PIG-IRON, FERRO-ALLOYS, STEEL INGOTS AND CASTINGS, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Pig-iron	83,686	27,029	186,891	56,096	136,889	93,281
Ferro-manganese	2,169	4,176	698	1,908	—	—
Ferro-silicon	987	969	623	—	17,870	17,946
Ingots	58,000	453,081	596,307	438,246	415,594	630,941
Old and scrap	2,137	—	—	—	—	—
Brazil (a)—						
Ferro-manganese	59	166	49	—	73	63
Ferro-silicon	196	1,398	543	205	53	78
Ferro-chrome	49	114	54	44	83	250
Other ferro-alloys	18	227	120	84	169	193
Chile—						
Pig-iron	31	166	497	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Ferro-manganese	59	4	22	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Ferro-silicon	530	121	93	47	29	<i>n.a.</i>
Other ferro-alloys	164	69	13	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Steel ingots	828	291	—	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Pig-iron	869	1,270	199	—	—	—
Ingots, etc.	415	797	451	851	314	620
Blooms, billets, etc.	220	320	107	652	1	29
Ferro-alloys	153	1,094	590	1,761	2,161	976
Peru—						
Pig-iron	674	431	849	752	455	<i>n.a.</i>
Ferro-alloys	213	85	239	280	326	<i>n.a.</i>
Uruguay—						
Ingots	12,173	14,152	23,265	30,857	20,807	36,127
Ferro-alloys	263	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	308	290
Venezuela (a)—						
Pig-iron and scrap	282	527	3,698	2,926	255	19,677
Ferro-alloys	270	94	296	808	704	867
Formosa—						
Blooms, billets, etc.	4,831	6,484	7,367	4,363	4,624	4,584
Ferro-alloys	371	504	405	608	902	884
Old and scrap	100	10,699	2,135	37,609	38,821	44,912
Iran (b)—						
Old and scrap	385	2,061	<i>n.a.</i>	4,288	3,548	<i>n.a.</i>
Israel—						
Pig-iron	5,253	2,507	2,808	2,903	10,371	14,306
Ferro-alloys	323	32	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Japan—						
Pig-iron	2,425	2,815	18,225	307,949	930,467	2,290
Ferro-alloys	2,209	2,092	163	316	411	97
Ingots, blooms and billets	3,744	—	1	16,235	242,506	—
Old and scrap	1,122,749	962,682	1,266,633	2,537,273	3,275,553	1,326,785
Lebanon—						
Pig-iron	1,888	4,235	2,687	4,793	1,477	2,044
Ferro-alloys	4	2	279	59	4	5
Old and scrap	557	518	2,586	2,180	2,080	141
Philippine Republic—						
Pig-iron	364	482	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Ferro-alloys	320	129	224	493	620	1,074
Syria—						
Pig-iron	374	1,326	364	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Scrap	157	906	475	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Thailand (a)—						
Pig-iron	603	307	285	324	514	606
Ferro-alloys	72	201	158	307	321	495
Turkey—						
Ferro-alloys	242	952	132	711	357	1,049

(a) Total imports.

(b) Years ended March 20 of year following that stated.

LEAD
PRODUCTION OF LEAD ORE
(Metal content)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain	7,992	8,692	7,443	7,267	8,094	4,166
Nigeria (a)	35	9	16	45	450	487
Northern Rhodesia (b) ..	11,510	15,000	16,050	15,200	15,000	13,043
Southern Rhodesia	40	—	14	17	23	—
South West Africa	58,292	68,881	80,700	86,348	82,453	(g) 75,000
Tanganyika (c)	2,755	2,118	3,601	5,116	4,851	4,465
Uganda	16	55	47	r 108	15	229
Union of South Africa ..	483	161	499	813	1,092	32
Canada (d)	172,952	195,085	181,037	168,620	162,039	165,866
Hong Kong	322	188	203	105	70	16
India	2,020	2,081	2,228	2,843	3,274	3,943
Australia	244,913	284,862	295,944	299,485	333,264	327,010
TOTAL	501,300	577,100	587,800	586,000	611,000	594,000
Irish Republic	898	1,349	2,617	2,285	2,000	368
OTHER COUNTRIES						
Austria	5,562	5,408	5,417	5,367	5,884	6,028
Bulgaria	(e) 10,000	48,000	47,545	54,000	62,142	(e) 69,600
Czechoslovakia (e)	1,500	2,900	4,900	5,900	5,900	5,900
Finland (f)	214	257	762	1,389	2,342	2,216
France	12,215	11,000	8,985	8,732	12,090	13,100
Germany—						
Federal Republic	61,767	66,224	66,370	64,448	69,996	59,952
East (g)	4,200	5,000	6,000	6,000	7,000	7,000
Greece	3,640	3,166	4,532	6,348	6,373	n.a.
Italy	36,304	40,158	44,767	45,759	49,104	53,589
Norway	517	695	699	792	884	2,099
Poland (b)	29,000	31,400	33,700	34,600	35,137	34,503
Portugal	1,669	1,724	1,441	1,218	1,355	888
Roumania (b)	(g) 9,000	(g) 10,000	10,900	(g) 11,000	(g) 11,000	(g) 11,000
Spain	53,938	54,860	62,407	60,207	64,191	64,107
Sweden	25,131	29,224	31,660	32,230	35,893	41,602
U.S.S.R. (b) (g)	240,000	275,000	290,000	305,000	320,000	335,000
Yugoslavia	83,807	82,799	88,659	85,945	88,664	88,423
Algeria	7,734	10,041	10,040	10,196	10,269	9,568
Angola (i)	—	—	184	92	17	88
Belgian Congo	64	164	81	(e) 100	(e) 200	—
Egypt	246	128	128	118	250	(e) 200
French Equatorial Africa	4,350	3,428	3,405	2,960	1,810	3,700
Morocco	79,731	81,785	87,959	86,050	91,300	91,437
Tunisia	24,103	26,305	26,145	23,078	23,525	20,991
Cuba	—	—	62	84	63	n.a.
Greenland	—	—	—	3,000	7,332	8,588
Guatemala	6,954	2,328	4,539	8,006	11,192	7,846
Honduras	760	1,148	1,751	2,067	(h) 2,638	3,018

(a) Excluding native production.

(b) Smelter.

(c) Exports.

(d) Lead in base bullion plus recoverable lead in ores exported.

(e) United States Bureau of Mines' estimate.

(f) Amount estimated as recoverable.

(g) Estimated.

(h) Imports into the United States.

(i) Including lead in vanadium-lead ore as follows (long tons):—1955—167; 1956—62; 1957—4; 1958—80.

PRODUCTION OF LEAD ORE (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Mexico (a)	218,049	213,203	207,486	196,457	211,482	197,859
United States (a)	305,932	290,553	301,808	315,023	301,979	238,729
Argentina	(b) 15,800	(b) 18,800	22,300	28,823	30,500	29,000
Bolivia (c)	24,089	17,939	18,821	21,213	25,800	22,432
Brazil (d)	2,901	2,702	3,596	4,371	3,462	14,593
Chile	5,161	r 3,963	r 3,905	r 3,212	2,775	2,514
Ecuador	112	—	154	—	—	—
Peru	112,770	108,328	116,875	r 127,036	134,986	132,043
Burma	9,000	14,000	16,856	15,586	14,612	18,911
China (e)	5,900	10,000	r 17,700	r 20,600	24,600	n.a.
Iran (e) (f)	7,900	11,900	17,800	16,700	16,700	16,700
Japan	18,359	22,478	25,761	29,058	35,502	35,939
Korea (South) (b)	130	50	600	1,300	850	1,200
Korea (North) (e)	n.a.	2,900	7,900	14,000	16,700	16,700
Philippine Republic	2,396	1,798	2,281	2,106	801	1,264
Thailand	3,525	5,165	5,233	3,946	2,987	979
Turkey	6,671	10,013	3,447	5,573	4,146	3,019
TOTAL	1,400,000	r 1,500,000	r 1,600,000	r 1,700,000	1,800,000	1,700,000
WORLD'S TOTAL	1,900,000	r 2,100,000	r 2,200,000	r 2,300,000	2,400,000	2,300,000

(a) Amount estimated as recoverable.

(b) Estimated.

(c) Exports.

(d) Smelter.

(e) United States Bureau of Mines' estimate.

(f) Years ended March 20 following that stated.

METAL PRODUCTION OF LEAD

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a) ..	6,600	6,800	6,100	6,400	7,000	4,000
Northern Rhodesia ..	11,510	15,000	16,050	15,200	15,078	13,043
Canada	147,993	148,219	132,867	132,022	127,621	118,737
India	1,694	r 1,788	2,234	2,497	3,174	3,334
Australia (c) ..	206,518	238,555	224,526	236,164	239,052	248,645
TOTAL	374,300	r 410,400	381,800	392,300	392,000	388,000
OTHER COUNTRIES						
Austria (b)	10,984	10,082	10,105	r 9,887	10,762	11,279
Belgium (b)	75,145	70,768	81,469	100,638	97,696	92,324
Bulgaria	2,700	3,000	3,300	5,913	18,995	25,600
Czechoslovakia (a) ..	8,000	8,000	8,000	9,000	9,000	9,000
France	53,920	60,446	68,272	62,324	72,622	69,528
Germany—Federal ..	106,073	108,486	105,887	114,658	135,665	132,130
do. East (a) (b) ..	26,000	30,000	30,000	30,000	22,100	25,000
Greece	3,294	2,716	2,478	3,405	3,560	3,248
Italy	r 38,140	36,391	41,826	38,498	39,174	47,243
Poland	29,000	31,400	33,700	34,600	35,137	34,503
Portugal	869	990	957	838	740	663
Roumania	(a) 9,000	(a) 10,000	10,900	(a) 11,000	(a) 11,000	(a) 11,000
Spain	50,440	57,694	60,832	64,724	57,665	69,398
Sweden	15,898	19,774	20,890	22,815	24,483	32,624
U.S.S.R. (a)	240,000	275,000	290,000	305,000	320,000	335,000
Yugoslavia	69,678	65,675	74,418	74,562	77,264	82,950
Morocco (Southern) ..	27,000	26,266	26,268	27,672	30,752	32,601
Tunisia	26,849	26,761	25,406	23,768	24,168	24,740
Guatemala	648	(d) 98	—	131	—	—
Mexico	210,893	205,863	195,050	193,591	197,703	192,622
United States (e) ..	417,610	434,486	427,674	484,171	476,315	419,090
Argentina	12,800	25,600	17,700	23,900	25,500	32,300
Bolivia (f)	677	1,446	2,080	1,572	2,314	784
Brazil	2,901	2,702	3,596	4,371	3,462	14,593
Chile	—	—	495	217	—	285
Peru	58,168	56,906	59,509	r 58,864	67,843	63,433
Burma	8,609	10,944	19,088	19,543	19,478	17,098
China (a)(b)	9,000	14,700	17,200	20,000	20,000	20,000
Iran (g)	450	1,000	1,220	r 1,411	(d) 690	935
Japan	17,879	29,030	32,498	40,756	48,281	37,869
Korea (South)	30	—	—	—	—	—
Korea (North) (d) ..	n.a.	2,900	7,900	14,000	16,700	16,700
Turkey	(d) 1,300	(d) 1,470	(d) 1,560	(d) 2,000	(d) 2,000	2,657
TOTAL	r 1,500,000	1,600,000	r 1,700,000	r 1,800,000	1,900,000	1,900,000
WORLD'S TOTAL ..	r 1,900,000	r 2,000,000	r 2,100,000	r 2,200,000	r 2,300,000	2,300,000

(a) Estimated.

(b) Including secondary metal.

(c) Including lead in base bullion as follows:—

Year	Long tons	Year	Long tons
1953	34,050	1956	41,658
1954	38,146	1957	46,891
1955	37,392	1958	57,171

(d) United States Bureau of Mines' estimate.

(e) In addition the recovery of secondary lead was as follows:—

Year	Long tons	Year	Long tons
1953	434,587	1956	452,460
1954	429,397	1957	436,812
1955	448,260	1958	358,738

(f) Exports.

(g) Years ended March 20 following that stated.*

EXPORTS OF LEAD, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Pig-lead	7,055	7,195	3,160	7,141	10,962	12,732
Sheets and pipes	1,154	1,105	1,769	1,652	1,811	1,786
White lead	1,403	1,523	1,776	1,663	1,744	1,815
Litharge, red lead, etc.	3,036	3,789	3,397	2,437	2,953	3,815
Nigeria—						
Ore and concentrates ..	<i>n.a.</i>	154	73	105	908	780
Northern Rhodesia—						
Pig, bar and ingot	11,915	13,306	12,520	14,620	12,260	10,938
South West Africa—						
Copper-lead-vanadate ores and concentrates (Pb content.) (b) ..	58,154	61,521	76,854	81,558	44,727	79,075
Southern Rhodesia—						
Ore	63	—	—	8	96	—
Tanganyika—						
Concentrates (Pb content)	2,755	2,118	3,601	5,116	4,851	4,465
Uganda—						
Ore	—	66	74	117	61	100
Union of South Africa—						
Ore	205	—	—	298	1,398	—
Pig, ingot and sheets ..	99	184	85	17	67	96
Canada—						
Ore (Pb content)	55,074	53,353	51,932	44,620	39,435	48,287
Pig-lead, etc.	91,857	103,937	82,772	71,101	75,483	82,456
Scrap	467	777	559	145	304	385
Pipes and tubes	56	25	20	19	24	5
White lead	1	5	6	7	15	591
Hong Kong—						
Ore and concentrates ..	595	335	376	200	175	117
Crude and refined unwrought (a)(d)	154	223	412	160	75	267
Scrap (d)	6	<i>n.a.</i>	15	76	16	104
Bars, sheets, pipes, etc. (d)	1	15	135	23	12	6
Malaya (d)—						
Pig-lead	846	848	761	697	464	686
Bars, sheets, pipes, etc.	75	35	15	18	13	20
Australia (c)—						
Ores and concentrates (Pb content)	24,026	51,778	46,114	46,401	60,431	72,515
Pig-lead	142,000	170,207	140,256	145,987	167,380	164,060
Base bullion (Pb content)	48,500	33,623	40,533	29,603	53,156	48,166
Scrap	3,416	14,332	13,277	10,011	9,230	6,573
Sheets and pipes, etc.	128	633	2,802	65	206	99
Red and white lead, etc.	1,611	2,440	1,729	1,644	1,455	1,477
New Zealand—						
Scrap	933	833	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Irish Republic—						
Ore	2,413	1,689	2,881	4,022	3,162	882
Scrap	1,987	2,105	2,495	1,004	441	416

(a) Including alloys.

(d) Including re-exports.

(b) For copper and vanadium contents see under appropriate headings.

(c) Years ended June 30 of that stated.

EXPORTS OF LEAD, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
Austria—						
Pig-lead (a)	3,225	3,021	3,317	3,655	3,484	3,205
Scrap	—	27	206	—	64	15
Red and white lead, etc.	38	371	439	335	466	461
Belgium-Luxemburg						
E.U.—						
Pig-lead	48,542	47,615	53,691	72,058	59,743	64,280
Antimonial lead	637	575	1,007	330	812	1,093
Scrap	68	176	660	458	140	2,641
Sheets, bars, pipes and wire	3,240	4,083	3,208	4,359	4,393	3,807
Red and white lead, etc.	2,917	3,784	3,627	3,163	3,852	3,268
Denmark—						
Pig-lead	4,172	6,233	4,850	2,699	6,413	9,869
Pig-lead, alloyed	2,623	1,687	3,434	4,713	3,399	3,731
Scrap	207	551	198	507	738	180
Sheets, pipes and wire(a)	21	—	1	1	2	1
France—						
Ore	1,175	367	1,127	274	1,901	1,983
Pig-lead including argentiferous	10,794	14,073	13,597	6,740	10,851	15,171
Pig-lead, alloyed	578	398	552	547	367	1,407
Scrap	2	2	74	62	23	3
Bars, sheets and wire ..	640	1,149	824	513	478	516
Red and white lead, etc.	838	2,363	3,901	4,494	4,595	4,692
Germany (Federal)—						
Ore	—	—	223	—	6,709	176
Pig-lead and scrap (a) ..	36,851	30,831	31,441	37,059	37,633	27,359
Bars, sheets, wire, etc. ..	7,090	3,801	1,891	1,307	1,855	2,373
Red and white lead	7,264	10,313	9,978	9,920	9,251	7,861
Greece—						
Ore	1,771	2,150	4,296	6,772	10,487	16,952
Pig-lead, etc.	783	548	248	612	n.a.	n.a.
Italy—						
Ore	7,690	8,536	10,254	8,651	7,959	13,257
Pig-lead and scrap (a) ..	30	67	15	5	280	578
Bars, sheets and wire (a) ..	1,558	17	—	4	4	11
Red and white lead	189	442	146	77	52	24
Netherlands—						
Pig-lead	4,480	9,124	4,817	7,728	8,544	4,637
Scrap	1,885	1,827	722	383	779	772
Bars, sheets and wire	898	1,037	1,265	1,368	1,287	1,657
Red and white lead	543	1,153	1,147	1,747	2,161	1,920
Norway—						
Ore	1,081	887	933	1,317	1,472	3,410
Pig-lead	57	347	247	114	47	184
Scrap	1,275	1,395	1,449	1,964	1,866	1,672
Portugal—						
Pig-lead, etc.	5	12	12	20	18	14
Red and white lead	15	8	7	5	9	6
Spain—						
Pig-lead and scrap	20,146	26,320	28,249	16,344	11,541	23,093
Sheets, wire, etc.	1,528	124	66	1,145	347	50
Sweden—						
Ore	8,214	9,950	12,777	15,090	17,722	12,425
Pig-lead	4,448	5,738	4,710	5,093	9,967	16,693
Scrap	639	195	385	486	232	52
Sheets and pipes	16	8	—	3	41	11
Red and white lead, etc.	403	464	735	681	847	1,267

(a) Including alloys.

EXPORTS OF LEAD, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
(cont.)						
Switzerland—						
Ores, etc.	652	1,139	810	805	867	563
Pig-lead, scrap, etc.	987	1,077	1,505	1,664	1,341	1,454
Sheets and pipes	4	8	5	—	1	25
U.S.S.R.—						
Pig-lead (a)	n.a.	n.a.	25,800	39,900	54,000	61,200
Yugoslavia—						
Pig-lead	60,246	56,188	61,657	57,662	62,986	61,438
Antimonial lead	—	—	263	595	738	344
Scrap	680	554	71	n.a.	n.a.	n.a.
Plates and sheets	10	71	105	529	120	7
Red lead	454	187	350	570	151	187
Algeria—						
Ore	6,283	15,823	12,292	9,345	8,514	11,290
Pig-lead	81	2,136	38	24	12	40
Scrap	1,497	1,920	2,415	2,085	1,510	2,286
Red and white lead	3	3	—	—	7	2
Angola—						
Ore	—	—	—	58	15	9
Belgian Congo—						
Ore	n.a.	n.a.	n.a.	381	1,225	—
Egypt—						
Ore	148	915	970	40	n.a.	n.a.
French Equatorial Africa—						
Ore	8,744	6,937	5,905	5,905	3,937	5,643
Morocco—						
Ore	74,160	74,829	94,413	90,786	98,116	116,787
Pig-lead	25,593	28,485	24,855	26,575	30,436	26,558
Scrap	452	184	211	452	151	44
Tunisia—						
Ore	6	1,675	2	937	2	—
Pig-lead and scrap	24,615	25,400	24,293	25,623	22,828	23,438
Greenland—						
Ore	—	—	1	3,605	8,327	9,435
Guatemala—						
Ore	3,725	3,135	6,912	17,293	18,024	14,565
Honduras—						
Ore and concentrates	1,381	2,093	3,190	4,073	5,680	5,486
Mexico—						
Ores and concentrates	15,267	2,702	4,060	3,764	4,878	2,343
Pig-lead, refined	202,422	197,864	166,411	143,074	153,329	141,170
Base bullion	144	300	4,053	3,019	942	1,721
Pig-lead, antimonial	2,553	2,357	10,728	7,280	11,827	5,738
Sheets, tubes and wire	2	790	5,835	13,359	5,969	595
Red and white lead	91	720	1,280	5,956	8,600	8,775
United States—						
Ore, mattes and base bullion (Pb content)	927	91	1,191	942	809	904
Pig-lead, bars etc.	717	532	360	4,133	3,874	1,213
Antimonial lead	169	179	362	710	513	n.a.
Scrap	2,416	3,476	2,664	1,907	790	906
Sheets and pipes	450	333	498	494	1,098	n.a.
Red and white lead, etc.	2,208	2,294	2,447	r 2,684	3,514	3,076
Argentina—						
Ore	—	—	—	—	1,411	9
Pig-lead and bars	—	—	—	—	50	—
Bolivia—						
Ore, etc. (Pb content)	23,412	16,493	16,741	19,641	23,488	21,648
Metal	677	1,446	2,080	1,572	2,314	784
Chile—						
Ore	6,498	1,051	r 5,520	3,400	4,607	—

(a) May include some foreign produce.

EXPORTS OF LEAD, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Colombia—						
Ore	536	663	886	2,339	7	597
Ecuador—						
Concentrates	162	184	154	212	186	331
Peru—						
Ore and concentrates (Pb content)	42,491	48,670	48,120	60,341	55,603	70,574
Pig-lead (Pb content)—						
Pure	59,919	55,183	56,240	58,086	61,678	63,400
Impure	1,322	876	831	321	234	213
Burma—						
Ore	3,468	844	1,822	1,867	2,765	911
Pig-lead	6,033	9,940	15,565	14,466	13,033	15,236
Iran (a)—						
Ore	n.a.	n.a.	n.a.	37,851	26,040	n.a.
Japan—						
Pig-lead	113	437	120	107	35	82
Sheets and plates	22	18	13	61	21	122
Tubes	37	24	67	36	14	69
Korea (South)—						
Ore	n.a.	n.a.	n.a.	n.a.	n.a.	2,401
Philippine Republic—						
Ores and concentrates ..	4,083	2,270	292	105	727	772
Thailand—						
Ore	6,528	n.a.	n.a.	7,858	8,518	3,083
Turkey—						
Ore	1,914	1,378	—	n.a.	n.a.	n.a.
Ingots	—	197	—	—	—	—

(a) Years ended March 20 following that stated.

IMPORTS OF LEAD, ETC.
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Pig-lead	161,435	192,301	216,179	167,366	157,780	162,419
Scrap (a)	10,008	7,766	7,684	6,413	4,544	1,812
Sheets and pipes	3	28	10	75	137	248
Litharge, red lead, etc.	2	62	1	11	n.a.	n.a.
Ghana—						
Bars, sheets, etc. .. .	411	369	288	269	270	371
Kenya—						
Bars, sheets, pipes, etc.	5	8	64	41	34	18
Mauritius—						
Pig-lead, sheets, pipes, etc.	33	45	32	16	66	81
Nigeria—						
Bars and sheets .. .	103	236	200	251	292	524
Northern Rhodesia—						
Sheets, pipes and foil	77	(b)	(b)	(b)	(b)	(b)
White lead	1	(b)	(b)	(b)	(b)	(b)
Sierra Leone—						
Bar and sheets .. .	5	4	7	16	15	10
Southern Rhodesia—						
Pig-lead, bars, sheets and foil	147	(c) 235	(c) 89	(c) 16	(c) 236	(c) 77
Red and white lead, etc.	30	(c) 31	(c) 41	(c) 46	(c) 24	(c) 20
South West Africa—						
Bars, sheets and pipes ..	15	23	(d)	(d)	(d)	(d)
Red and white lead, etc.	—	1	(d)	(d)	(d)	(d)
Tanganyika—						
Bars, sheets and pipes, etc.	3	15	28	21	12	16
Uganda—						
Bars, sheets, pipes, etc.	1	2	30	16	11	10
Union of South Africa—						
Pig-lead and bars .. .	10,140	11,232	(e) 10,959	(e) 14,529	(e) 14,151	(e) 15,551
Sheets and pipes .. .	130	75	(e) 170	(e) 174	(e) 73	(e) 133
Foil	2	3	(e) 3	(e) 3	(e) 4	(e) 3
Litharge, red and white lead	312	120	(e) 95	(e) 119	(e) 171	(e) 240
British West Indies—						
Jamaica—						
Pig-lead, pipes, etc. (a)	92	245	173	313	243	250
Trinidad and Tobago—						
Pig-lead	1	7	—	18	4	—
Red and white lead, etc.	139	60	82	98	47	33
Canada—						
Pig-lead and scrap .. .	252	126	135	148	1,419	1,598
Bars, sheets and pipes ..	27	27	61	68	38	44
White lead, red lead and litharge	860	1,001	1,129	1,170	1,388	1,524
Ceylon—						
Pig-lead, etc.	45	—	79	612	135	162
Sheets, pipes, etc. .. .	29	20	22	25	30	12
Tea-lead	6	5	1	8	4	—
Cyprus—						
Sheets and pipes, etc.	36	25	36	44	37	32

(a) Including alloys.

(b) Included under Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

(d) Included under Union of South Africa.

(e) Including South West Africa.

IMPORTS OF LEAD, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
(cont.)						
Hong Kong (a)—						
Crude and refined unwrought (e)	147	361	121	114	93	123
Scrap	29	20	6	18	9	28
Bars, sheets, pipes, etc.	36	69	77	58	91	155
India—						
Ore	83	99	224	525	102	110
Pig-lead, bars, etc. ..	5,169	10,995	11,803	15,829	13,831	21,105
Sheets, pipes and tubes	156	38	191	379	286	16
Tea-lead	3	—	—	—	8	—
Litharge, red and white lead, etc.	5	45	249	635	13	2
Malaya (a)—						
Pig-lead	205	105	177	200	254	204
Bars, sheets, pipes, etc.	78	75	190	137	97	117
Pakistan—						
Ore	(b) 79	(b) 106	(b) 370	270	96	70
Pig-lead, bars, etc. ..	(b) 5	(b) 60	(b) 53	r 155	255	247
Sheets, pipes and tubes	(b) n.a.	(b) n.a.	(b) n.a.	r 57	156	244
Litharge, red and white lead, etc.	(b) 451	(b) 298	(b) 233	219	255	564
Australia (c)—						
Red and white lead, etc.	36	23	(d) 3	61	41	30
Fiji—						
Pig-lead, sheets, tubes etc.	12	6	24	46	66	24
New Zealand—						
Pig-lead, bars, etc. ..	4,373	5,539	4,945	4,926	3,542	4,997
do. antimonial	82	116	151	800	1,055	220
Sheets and pipes	1	5	56	(d) 3	4	4
Litharge, red and white lead etc.	1,672	1,862	1,530	1,353	1,171	1,429
Irish Republic—						
Pig-lead etc.	985	1,212	543	236	219	258
Wrought (e)	166	173	301	279	87	230
Red and white lead ..	235	n.a.	n.a.	n.a.	n.a.	n.a.
OTHER COUNTRIES						
Austria—						
Ore	4,449	4,862	5,177	4,886	5,000	5,492
Pig-lead (e)	5,311	9,668	5,273	4,974	6,041	8,169
Scrap	46	15	—	—	15	11
Belgium-Luxemburg						
E.U.—						
Ore	104,412	86,084	150,928	168,076	157,901	169,112
Pig-lead	22,025	21,506	18,056	19,729	18,194	15,520
Antimonial lead	150	84	93	32	150	196
Scrap	536	416	1,000	1,309	1,307	796
Sheets, bars, pipes and wire	8	20	79	37	31	126
Red and white lead, etc.	891	1,395	1,500	1,810	1,834	1,305

(a) Total imports.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

(d) Excess of re-exports.

(e) Including alloys.

IMPORTS OF LEAD, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Pig-lead	12,244	16,392	12,967	11,012	16,906	22,250
do. alloyed	312	541	168	794	87	143
Scrap	4,962	5,467	5,059	5,256	5,677	3,427
Sheets, pipes and wire ^(a)	106	83	12	11	29	27
Red and white lead ..	654	751	738	881	710	741
Finland—						
Pig-lead	6,467	12,401	7,590	8,967	15,341	9,691
Scrap	—	14	—	—	—	—
Sheets, pipes, wire, etc.	292	565	527	571	541	733
Red and white lead, etc.	494	1,081	1,131	1,026	514	558
France—						
Ore	68,138	84,365	107,031	105,277	98,961	105,988
Pig-lead, including argentiferous	39,392	48,531	47,442	55,429	49,171	48,895
Pig-lead, alloyed	716	696	794	868	1,519	1,442
Scrap	2,425	7,416	13,150	6,950	3,798	5,562
Bars, sheets and wire ..	3	22	7	4	8	1
Red and white lead, etc.	1,770	3,641	1,727	938	584	418
Germany (Federal)—						
Ore	56,062	80,613	72,458	83,431	95,918	127,821
Pig-lead and scrap (a) ..	20,346	58,418	83,182	53,481	44,348	47,567
Bars, sheets, wire, etc. . .	16	4	—	—	—	8
Red and white lead, etc.	108	351	702	938	698	1,919
Hungary—						
Pig-lead	6,492	6,726	5,741	7,711	7,298	7,712
Iceland—						
Pig-lead	49	103	99	94	101	141
Red and white lead	22	31	9	16	13	22
Italy—						
Ore	194	2,096	7,601	1,762	607	255
Pig-lead and alloys	9,539	13,320	14,505	11,998	14,709	12,926
Scrap	4,105	11,656	7,608	4,877	3,803	4,197
Bars, sheets and wire (a)	1	3	235	—	18	23
Red and white lead	16	122	252	122	206	286
Netherlands—						
Ore	1,594	5,996	31	12	19	12
Pig-lead	34,689	43,798	32,203	40,958	44,122	33,100
Scrap	955	1,339	2,404	4,197	3,952	3,121
Bars, sheets and wire	583	995	663	1,318	1,222	807
Red and white lead	2,658	4,293	4,773	5,680	5,698	5,309
Norway—						
Pig-lead	7,589	9,693	9,529	7,807	9,596	9,551
Bars and sheets	931	1,145	636	952	625	803
Tubes, wire, etc.	273	275	181	216	177	127
Red and white lead	511	533	584	484	508	532
Portugal—						
Pig-lead, alloys, etc. . . .	1,752	1,967	3,141	2,903	4,796	6,260
Red and white lead, etc. .	171	202	144	122	152	150
Spain—						
Pig-lead and scrap	285	13	11	6	20	1
Sweden—						
Pig-lead	13,327	13,415	14,603	12,891	14,518	11,185
Scrap	531	397	292	181	1,132	121
Sheets and pipes	1,490	1,463	1,267	1,292	1,360	1,426
Red and white lead	1,825	2,393	2,314	1,987	1,506	1,103
Switzerland—						
Ores, etc.	3	—	3	1	2	4
Pig-lead, scrap, etc. . . .	11,167	15,425	15,761	14,132	15,604	17,544
Sheets, pipes, wire, etc. .	618	959	624	457	496	534
Red and white lead	356	454	504	604	746	653

(a) Including alloys.

IMPORTS OF LEAD, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
U.S.S.R. (a)—						
Pig-lead	<i>n.a.</i>	<i>n.a.</i>	17,300	26,300	27,300	29,700
Algeria—						
Ore	665	25	37	47	38	45
Pig-lead	3,132	4,541	3,529	3,353	2,221	2,377
Scrap	122	56	12	84	—	—
Red and white lead, etc.	201	181	163	132	128	161
Angola—						
Bars and sheets	4	18	11	14	20	7
Red and white lead	33	26	22	38	54	34
Belgian Congo—						
Pig-lead and scrap	1,255	47	1,615	2,059	78	59
Red and white lead	167	116	273	108	131	102
Egypt—						
Pig-lead and scrap	208	r 35	r 105	1,429	168	768
Sheets, pipes, wire, etc.	212	r 107	r 73	106	23	31
Red and white lead	492	r 388	r 565	746	367	1,062
Madagascar—						
Pig lead, bars, sheets	45	51	44	75	80	82
Red and white lead	39	36	61	38	46	55
Morocco—						
Pig-lead, bars, sheets etc.	220	231	437	99	99	78
Red and white lead	117	103	162	76	69	100
Mozambique—						
Bars, sheets and wire	16	26	25	23	30	41
Red and white lead	37	29	14	41	15	9
Tunisia—						
Ore	3,244	924	82	1	1	1
Red and white lead, etc.	15	33	33	20	39	27
Cuba (a)—						
Pig-lead and bars	141	100	157	135	344	<i>n.a.</i>
Sheets, pipes and wire	167	178	195	261	193	<i>n.a.</i>
Mexico (a)—						
Pig-lead	9	15	30	14	17	10
Sheets and pipes	55	14	3	61	20	1
United States—						
Ore, matte and flue dust (Pb content)	59,848	175,048	139,672	170,805	209,479	215,444
Bullion and base bullion (Pb content)	662	37	—	28	23	371
Pig-lead and bars (Pb content)	338,499	244,899	235,694	234,111	287,239	314,071
Scrap (Pb content)	3,267	6,644	16,914	18,271	6,795	7,696
Sheets, pipes, wire, etc.	159	354	1,828	6,834	5,283	2,344
Red and white lead, etc.	55	559	704	4,984	7,591	7,589
Argentina—						
Ore	458	—	—	—	—	—
Pig-lead	1,998	—	—	—	—	—
Brazil (a)—						
Pig-lead	20,748	26,054	12,810	9,703	19,967	11,653
Sheets and pipes	81	30	—	—	23	—
Red and white lead	68	817	563	315	405	656
Chile—						
Pig-lead	1,183	1,280	2,019	1,027	262	<i>n.a.</i>
Bars and sheets	174	31	203	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Red and white lead	107	86	80	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Ingots, bars, tubes and alloys	428	681	818	1,321	1,276	1,669
Red and white lead	171	170	278	369	826	497

(a) Total imports.

IMPORTS OF LEAD, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Ecuador—						
Pig-lead	91	207	92	139	108	91
Red and white lead ..	9	22	11	19	184	38
Peru—						
Pig-lead, sheets, etc. ..	7	20	83	35	27	<i>n.a.</i>
Red and white lead ..	111	202	169	176	225	<i>n.a.</i>
Uruguay—						
Pig-lead	1,753	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	2,085	1,683
Red and white lead, etc.	r 255	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	236	90
Venezuela (a)—						
Pig-lead	481	570	<i>n.a.</i>	573	2,148	1,102
Red and white lead ..	180	249	<i>n.a.</i>	678	862	912
Formosa—						
Pig-lead and bars ..	629	2,099	1,434	1,467	1,057	1,876
Pipes, sheets, wire ..	185	38	13	41	75	44
Red and white lead, etc. ..	244	302	178	34	122	136
Indonesia—						
Pig-lead and scrap ..	353	414	1,073	838	490	361
Red and white lead ..	650	206	536	554	598	402
Iran (b)—						
Ingots, sheets and wire	3	—	<i>n.a.</i>	15	2	<i>n.a.</i>
Israel—						
Pig-lead	10	529	477	334	327	857
Sheets	20	69	58	22	63	53
Red and white lead ..	476	894	378	94	449	635
Japan—						
Ore	1,912	16,361	27,180	24,944	46,911	26,694
Pig-lead	2,289	14,120	4,019	17,662	39,547	3,340
Scrap	4,880	4,187	3,668	1,447	1,430	1,546
Red and white lead ..	4	10	4	1	2	1
Lebanon—						
Pig-lead	224	300	361	135	258	213
Red and white lead ..	55	49	107	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Philippine Republic—						
Pig-lead, bars and sheets	532	483	<i>n.a.</i>	703	839	1,183
Red and white lead ..	371	441	425	1,021	809	1,038
Syria—						
Pig-lead	236	132	194	145	<i>n.a.</i>	297
Red and white lead ..	31	41	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Thailand (a)—						
Pig lead	385	265	403	82	395	515
Bars, sheets, wire ..	<i>n.a.</i>	<i>n.a.</i>	57	204	180	107
Turkey—						
Pig-lead, bars and sheets	2,408	2,100	795	1,900	908	333
Tubes and wire ..	223	492	323	441	303	8
Red and white lead ..	573	571	151	308	220	684

(a) Total imports.

(b) Years ended March 20 of year following that stated.

LITHIUM MINERALS
PRODUCTION OF LITHIUM MINERALS

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Southern Rhodesia—						
Amblygonite	300	387	161	577	109	1,638
Eucryptite	—	—	11	—	50	355
Lepidolite	6,859	24,026	51,530	75,535	83,522	57,767
Petalite	10,339	23,846	21,616	12,075	8,870	11,755
Spodumene	40	—	45	3,969	4,999	4,677
South West Africa—						
Amblygonite	302	1,046	1,262	742	478	477
Lepidolite	7,538	3,730	1,636	1,017	787	931
Petalite	1,427	1,729	4,712	3,281	4,754	6,612
Spodumene	1	1	—	—	—	—
Uganda—						
Amblygonite	16	7	—	—	5	—
Union of South Africa—						
Amblygonite	54	51	380	637	27	—
Canada—						
Lithium minerals (<i>Li₂O content</i>)	—	8	51	2,138	2,295	1,758
Australia—						
Petalite	—	15	—	—	—	68
Spodumene	—	—	4	—	—	—
OTHER COUNTRIES						
Portugal—						
Amblygonite	16	9	4	—	—	<i>n.a.</i>
Spain—						
Amblygonite	31	132	111	51	6	—
Belgian Congo—						
Amblygonite	—	365	1,332	1,782	2,070	10
Mozambique—						
Amblygonite	—	—	—	34	—	—
Lepidolite	5,622	—	—	986	338	86
United States (a)—						
Lithium minerals and compounds	24,321	33,777	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Argentina—						
Spodumene	—	—	37	138	20	<i>n.a.</i>

(a) Shipments from mine.

EXPORTS OF LITHIUM MINERALS
(Domestic Produce)

Exporting Country and Description	Long tons					
	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Southern Rhodesia—						
Lithium minerals ..	17,079	25,625	25,627	69,814	34,012	149,125
Lithium salts ..	<i>n.a.</i>	<i>n.a.</i>	47	42	<i>n.a.</i>	<i>n.a.</i>
South West Africa—						
Amblygonite ..	400	710	1,310	593	828	627
Lepidolite ..	8,982	3,491	1,330	504	1,341	358
Petalite ..	1,322	740	1,159	3,216	5,765	4,704
Uganda—						
Amblygonite ..	16	7	—	—	—	—
Union of South Africa—						
Lithium minerals ..	33	24	479	496	—	—
OTHER COUNTRIES						
Portugal—						
Lithium minerals ..	29	—	—	—	—	—
Belgian Congo—						
Amblygonite ..	—	—	808	591	1,129	1,632
Spodumene ..	—	32	25	64	1	—
Mozambique—						
Lepidolite ..	4,950	—	3	—	49	157
Brazil—						
Amblygonite ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	493	—

IMPORTS OF LITHIUM MINERALS*

Importing Country	Long tons					
	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a) ..	1,300	2,000	2,000	7,100	4,800	6,000
OTHER COUNTRIES						
France (a) ..	1,320	600	600	3,200	5,400	500
Germany (Federal) ..	1,798	7,183	5,402	2,223	4,290	4,882
Netherlands (a) ..	100	2,000	2,600	1,900	3,200	5,800
United States (a) ..	28,000	22,700	20,900	57,300	26,100	139,700

*Imports of lithium minerals are not separately recorded in the trade returns of any principal importing country.

(a) Figures represent exports to the country stated from the principal producing countries and are not necessarily complete.

MAGNESITE AND DOLOMITE
PRODUCTION OF MAGNESITE AND DOLOMITE

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Magnesite—						
Caustic (a)	7,800	1,122	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Dead-burned (a)	71,700	71,989	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Dolomite, crude .. r	1,961,350	2,092,649	2,131,418	2,283,040	2,559,049	2,457,000
Kenya—						
Magnesite, crude ..	—	—	—	—	105	492
Southern Rhodesia—						
Magnesite, crude ..	9,664	6,957	10,366	7,688	2,598	—
Dolomite	4,875	3,554	1,884	6,620	1,225	593
Tanganyika—						
Magnesite, crude ..	—	—	346	298	(c) 254	(c) 301
Union of South Africa—						
Magnesite, crude ..	22,526	23,995	17,637	29,897	31,620	71,607
Canada—						
Magnesian dolomite (b)	£728,029	£699,327	£782,480	£1,012,066	£1,136,678	£933,124
Cyprus (c)—						
Magnesite, crude ..	20	—	—	—	—	—
India—						
Magnesite, crude ..	92,748	70,507	57,509	91,711	88,885	102,590
Dolomite	15,080	137,754	90,156	96,457	141,000	174,666
Australia—						
Magnesite, crude ..	46,397	43,152	57,674	64,685	83,473	67,594
Dolomite	99,642	127,994	111,417	115,564	192,103	152,511
New Zealand—						
Magnesite, crude ..	517	720	388	730	602	1,200
Dolomite	1,316	2,025	1,813	2,023	2,784	3,052
OTHER COUNTRIES						
Austria—						
Magnesite—						
Crude	799,975	825,900	976,048	1,066,520	1,154,078	1,201,906
Caustic (d)	72,846	87,697	91,447	88,359	98,364	<i>n.a.</i>
do. powder (d)	29,323	25,770	33,494	40,039	38,872	<i>n.a.</i>
Dead-burned (d)	276,156	266,490	342,414	384,154	418,263	<i>n.a.</i>
Bricks (d)	187,546	163,877	181,203	214,608	236,094	<i>n.a.</i>
Belgium—						
Dolomite—						
Crude	201,789	233,027	252,177	286,014	319,981	363,397
Calcined	199,590	204,083	244,914	257,693	246,804	241,123
Bulgaria—						
Magnesite, crude ..	<i>n.a.</i>	82,771	111,215	138,871	(e) 137,800	(e) 147,600
France—						
Dolomite, crude ..	310,000	449,014	448,742	r 403,484	530,271	520,000
Greece—						
Magnesite—						
Crude	105,249	102,152	59,803	r 61,027	46,778	68,895
Calcined (d)	25,108	37,419	31,328	24,079	18,622	<i>n.a.</i>
Italy—						
Magnesite, crude ..	2,025	2,989	4,042	4,864	7,600	5,804
Dolomite, crude ..	218,113	271,590	363,363	442,265	405,521	<i>n.a.</i>
Luxemburg—						
Dolomite, calcined ..	5,635	6,274	6,356	8,111	8,299	8,597

(a) Magnesia extracted from sea-water.

(b) Including brucite, dead-burned magnesian dolomite and serpentine.

(c) Exports.

(d) Derived from crude shown and not additional.

(e) United States Bureau of Mines' estimate.

PRODUCTION OF MAGNESITE AND DOLOMITE (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Norway—						
Magnesite—						
Crude	1,830	817	780	(a) 780	—	—
Calcined (b)	405	300	<i>n.a.</i>	<i>n.a.</i>	—	—
Bricks (b)	68	83	<i>n.a.</i>	<i>n.a.</i>	—	—
Dolomite	108,248	92,584	106,002	114,385	115,640	143,000
Poland—						
Magnesite, crude	<i>n.a.</i>	31,987	19,321	16,672	16,830	(f) 16,700
Portugal—						
Dolomite	591	394	1,181	2,165	1,673	2,087
Spain—						
Magnesite	14,868	28,928	26,762	24,010	36,120	56,100
Dolomite, crude	149,836	189,881	221,856	200,382	213,108	96,456
Sweden—						
Dolomite, crude	<i>n.a.</i>	93,773	141,932	89,132	53,600	<i>n.a.</i>
Yugoslavia—						
Magnesite, crude	150,108	137,118	115,280	191,304	208,914	219,672
United States—						
Magnesite—						
Crude	493,881	253,585	434,007	613,008	605,794	440,162
Caustic (b) (e)	38,411	28,798	34,599	31,704	54,299	39,840
Dead-burned (b) (e)	356,368	257,384	373,894	384,481	417,610	370,423
Dolomite, crude (c)	5,171,000	3,478,357	1,900,800	4,943,000	4,758,000	<i>n.a.</i>
Argentina—						
Dolomite	<i>n.a.</i>	<i>n.a.</i>	25,000	27,000	14,684	<i>n.a.</i>
Brazil—						
Dolomite	(d) 53,031	33,121	87,026	r 119,474	120,855	<i>n.a.</i>
Peru—						
Dolomite	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	34	747
Uruguay—						
Dolomite limestone	15,886	14,618	11,295	15,372	10,586	671
Formosa—						
Dolomite	2,632	3,232	3,171	4,472	6,593	10,747
Japan—						
Dolomite	711,720	716,804	807,198	1,041,210	1,166,470	1,380,859
Turkey—						
Magnesite	344	1,048	—	837	1,284	640

Magnesite is known to have been produced in Czechoslovakia, U.S.S.R., Chile, Mexico, Korea and Manchuria. Dolomite is known to have been produced in other countries.

(a) Estimated.

(b) Derived from crude shown and not additional. The United States also includes some from other sources, e.g. sea-water, brucite, dolomite.

(c) Including dolomitic lime calculated as raw stone.

(d) Production not available. Figure relates to consumption of domestic produce.

(e) Sold or used by producers.

(f) United States Bureau of Mines' estimate.

PRODUCTION OF MAGNESIUM

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a) ..	5,313	4,978	5,373	3,627	3,411	2,399
Canada	(b) 6,000	(b) 6,000	(b) 7,000	8,577	7,487	5,188
OTHER COUNTRIES						
France	980	1,132	1,491	r 1,498	1,565	1,714
Germany (Federal) (a)	—	137	129	173	232	187
Italy	1,425	1,640	2,823	3,658	3,716	4,113
Norway	3,440	4,628	6,637	7,308	8,486	9,047
Poland	n.a.	85	92	141	134	(d) 147
Switzerland (b) ..	300	—	—	—	—	—
U.S.S.R. (c)	44,000	50,000	50,000	58,000	59,000	59,000
United States	83,103	62,258	54,585	61,023	72,556	26,871
Japan	—	21	132	77	421	987
WORLD'S TOTAL* ..	145,000	r 131,000	128,000	144,000	157,000	110,000

*Excluding magnesium known to have been produced in China.

(a) Including re-melt alloys.

(c) *Metallgesellschaft* estimate.

(b) Estimated.

(d) United States Bureau of Mines' estimate.

EXPORTS OF MAGNESITE, ETC.*

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Magnesium and alloys	276	247	954	1,405	4,284	3,464
Magnesium compounds	14,875	16,060	17,971	13,796	17,603	15,952
Southern Rhodesia—						
Crude and calcined ..	8,241	6,749	10,454	7,212	2,255	—
Tanganyika—						
Magnesite	57	78	285	243	254	301
Union of South Africa—						
Crude and calcined ..	—	—	—	—	55	18
Canada—						
Magnesium	n.a.	n.a.	(£1,777,447)	(£1,874,003)	(£1,692,377)	(£1,052,011)
Basic refractory materials	4,108	7,042	2,906	13,238	n.a.	n.a.
Cyprus—						
Crude	20	—	—	—	—	—
India—						
Crude and calcined ..	42,533	25,363	24,637	34,546	21,443	19,585
Chloride	1,557	318	644	164	16	173
Australia (b)—						
Crude and calcined ..	30	166	55	110	73	60
Sulphate	74	16	54	7	10	8
OTHER COUNTRIES						
Austria—						
Crude	118	1,075	596	368	549	569
Caustic	70,872	75,180	75,404	79,221	82,196	80,420
Dead-burned	71,334	77,606	149,650	148,471	150,413	130,754
Bricks	155,788	129,274	156,054	179,013	201,299	184,846
Dolomite	1,265	1,437	2,505	24,386	19,252	23,820
Belgium-Luxemburg						
E.U.—						
Crude	21	7	36	1,079	659	5,188
Calcined	11	1	43	5	141	144
Carbonate	—	1	17	2	1	2
Chloride	—	4	12	35	4	16
Sulphate	11	25	574	59	156	14
Dolomite, crude ..	8,185	6,723	12,315	15,783	62,493	90,651
do. ground	25	904	570	1,434	10,126	12,371
do. calcined	112,853	109,732	134,748	152,698	143,990	138,548
France—						
Crude and calcined ..	78	77	87	109	259	468
Magnesium metal (a) ..	219	160	117	60	44	61
Carbonate	294	527	536	258	493	401
Chloride	2,848	3,268	2,050	1,202	875	1,070
Oxide and hydroxide ..	12	32	59	246	240	276
Sulphate	1,432	1,412	179	267	308	194
Dolomite, crude	3,934	6,511	12,862	19,442	11,697	6,009
do. calcined	542	2,137	2,528	3,352	3,606	4,348
Germany (Federal)—						
Crude and calcined ..	860	895	639	3,426	4,595	2,490
Carbonate	412	723	693	449	509	411
Chloride	11,897	13,290	13,008	15,596	15,255	13,298
Oxide and hydroxide ..	157	375	340	370	332	457
Sulphate	27,973	35,431	35,813	43,884	44,373	44,375
Dolomite	85,278	81,689	87,303	103,640	119,079	118,225
Kieserite	45,945	46,002	51,762	58,788	64,025	63,226
Germany (East)—						
Sulphate	12,245	20,269	19,578	19,275	21,574	19,874

*Magnesite unless otherwise stated.

(a) Including alloys and scrap.

(b) Years ended June 30 of that stated.

EXPORTS OF MAGNESITE, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Greece—						
Crude	14,713	12,643	10,763	19,879	16,450	22,390
Calcined	15,378	35,889	36,430	36,040	29,517	27,818
Italy—						
Crude	358	501	50	46	28	9
Caustic	21	1	131	41	13	8
Magnesium metal including alloyed	851	1,575	2,408	3,033	2,924	3,259
Carbonate	124	35	123	43	53	68
Chloride	32	2	406	13	58	3
Oxide	121	209	232	210	185	154
Dolomite, calcined	4,104	4,026	4,743	3,096	3,296	3,850
Netherlands—						
Calcined	14,651	15,191	16,248	15,263	13,879	11,574
Sulphate	731	660	951	1,018	978	1,082
Norway—						
Crude	—	—	10	30	—	—
Bricks	53	36	55	24	20	22
Oxide	n.a.	n.a.	n.a.	230	184	78
Sweden—						
Crude and calcined	—	—	98	148	224	586
U.S.S.R.—						
Magnesium metal	n.a.	n.a.	1,700	2,800	2,400	1,600
Yugoslavia—						
Crude	3,966	2,764	2,175	—	46	—
Ground and dead-burned	28,352	36,776	40,066	55,154	57,118	51,213
Bricks	20	59	344	1,886	4,695	6,409
Mexico—						
Crude and calcined	56	2	—	44	—	—
United States—						
Dead-burned	n.a.	n.a.	8,278	7,735	24,250	47,447
Magnesium metal (a)	2,431	2,764	7,348	3,025	1,079	184
Brazil	4,511	472	763	1,949	1,968	1,240
Peru—						
Sulphate	378	923	661	682	300	n.a.
Japan—						
Carbonate	181	266	334	605	500	621
Chloride and sulphate	52	869	2,159	461	3,128	3,046

(a) Including alloys and scrap.

IMPORTS OF MAGNESITE, ETC.*

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Crude and calcined ..	22,705	20,619	44,590	58,041	68,900	29,145
Magnesium	<i>n.a.</i>	<i>n.a.</i>	6,621	3,167	3,322	2,044
Chloride	7,498	10,327	13,218	11,102	8,847	8,518
Union of South Africa—						
Carbonate	8,278	6,839	9,369	6,939	3,495	166
Chloride	157	134	199	104	217	196
Sulphate	671	1,320	1,473	1,313	1,489	2,057
Canada—						
Magnesium alloys ..	(£52,077)	(£36,610)	(£67,649)	(£133,395)	(£103,262)	(£93,668)
Calcined and dead-burned	6,072	5,118	12,444	21,482	10,456	13,703
Carbonate and oxide ..	5,629	5,382	4,908	5,693	2,190	1,536
Sulphate	2,466	2,112	2,121	2,334	2,284	2,190
Bricks	(£344,715)	(£145,631)	(£201,480)	(£247,401)	(£160,794)	(£120,083)
Other salts	2,995	5,444	4,712	6,478	3,881	4,448
Hong Kong—						
Magnesite	5	—	—	—	—	—
India—						
Crude	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,179	61
Calcined	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	202	855
Magnesium metal ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	40	79
Carbonate	(b)	(b)	(b)	(b)	1,193	873
Chloride	1	—	30	3	1	1
Sulphate	1	6	—	1	1	—
Oxides	(b)	(b)	(b)	(b)	52	33
Other salts	626	390	863	1,500	320	18
Pakistan—						
Chloride	(c) 158	(c) 139	(c) 124	127	74	90
Sulphate	(c) 439	(c) 354	(c) 131	1,047	234	113
Other salts	(c) 46	(c) 32	(c) 187	113	291	397
Australia (a)—						
Crude and calcined ..	54	1,180	3,075	5,128	2,535	2,576
Magnesium metal and powder	—	27	53	20	25	92
Oxide	48	38	66	128	116	154
Carbonate	19	234	175	233	138	148
Chloride	258	360	488	515	496	329
Sulphate	109	530	706	735	358	384
New Zealand—						
Magnesite	61	39	64	55	48	51
Sulphate	334	513	609	622	849	772
Other salts	137	217	271	221	606	265
Irish Republic—						
Magnesium salts ..	695	463	444	401	383	366
OTHER COUNTRIES						
Austria—						
Crude	—	499	767	11,639	5,923	6,061
Chloride	2,155	2,731	3,020	2,826	2,830	2,427
Dolomite	314	951	1,184	1,596	1,776	1,433
Kieserite	5,505	6,488	7,954	7,239	8,691	8,563

*Magnesite unless otherwise stated.

(a) Years ended June 30 of that stated.

(c) Years ended March 31 following that stated.

(b) Included, if any, with "other salts".

IMPORTS OF MAGNESITE, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.—						
Crude	165	599	647	1,087	981	1,082
Calcined	2,428	1,711	2,119	2,978	2,297	2,189
Bricks	14,455	9,897	13,625	18,718	14,214	13,848
Magnesium metal	105	135	263	296	329	510
Carbonate	423	437	454	526	508	276
Chloride	613	693	711	770	917	773
Oxide and hydroxide	343	316	384	402	331	285
Sulphate	2,643	2,948	1,969	2,425	2,434	2,483
Dolomite, crude	804	520	2,342	8,735	5,274	1,832
do. ground	492	205	209	54	30	315
do. calcined	4,951	4,694	4,474	6,146	6,922	5,261
Denmark—						
Crude	970	1,147	1,687	1,499	1,569	1,472
Chloride	743	702	687	647	439	538
Oxide	168	77	95	141	104	215
Sulphate	954	977	794	1,213	1,338	1,520
Dolomite	6,052	7,580	9,447	10,896	11,204	11,935
Finland—						
Crude and calcined	1,126	1,060	1,141	1,243	899	413
Bricks	3,264	3,062	2,517	2,291	2,607	2,698
Oxide	20	38	37	40	20	58
Carbonate	102	243	216	128	105	64
Chloride	1,063	687	995	721	963	273
Sulphate	227	128	117	110	1,883	109
France—						
Crude	3,651	3,750	5,127	3,571	2,918	5,604
Calcined	19,560	14,954	16,252	17,799	17,611	24,279
Magnesium metal (a)	26	160	244	349	1,212	746
Carbonate	115	171	162	171	166	146
Chloride	141	150	374	299	256	174
Oxide and hydroxide	93	79	149	122	113	114
Sulphate	1,464	1,649	1,686	1,635	1,586	2,326
Dolomite, crude	7,416	6,435	10,552	15,037	17,423	28,511
do. calcined	156,183	146,525	174,931	182,662	176,013	176,282
Germany (Federal)—						
Crude	166,421	3,695	1,472	1,668	1,283	2,851
Calcined		148,776	168,870	169,612	170,358	157,427
Magnesium metal (a)	5,141	6,828	15,742	14,004	11,936	13,744
Carbonate	18	33	83	171	171	191
Chloride	3	41	15	8	8	4
Oxide and hydroxide	3	19	41	131	195	318
Dolomite	3,879	16,202	25,363	25,494	23,024	23,607
Hungary—						
Dead-burned	39,433	44,923	38,871	37,462	35,309	45,594
Italy—						
Crude	3,994	4,879	4,115	4,602	4,470	4,271
Caustic	13,679	8,961	10,457	18,504	13,315	13,923
Chloride	1,735	1,998	2,684	3,033	2,704	3,385
Sulphate	3,932	4,831	4,273	4,616	4,499	2,514
Netherlands—						
Crude	901	1,280	927	1,201	543	1,114
Calcined	15,766	19,132	17,100	18,082	15,525	13,382
Bricks	7,885	9,258	11,007	13,177	14,426	15,804
Magnesium metal	132	108	128	125	134	176
Carbonate	272	339	269	391	506	474
Oxide and hydroxide	108	140	125	145	92	108
Sulphate	5,766	6,207	4,727	4,708	5,173	5,426
Chloride	2,880	3,386	3,476	2,717	2,046	1,785

(a) Including alloys and scrap.

IMPORTS OF MAGNESITE, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Netherlands (cont.)—						
Dolomite, crude ..	4,215	7,711	4,070	17,830	83,590	107,285
do. calcined ..	25,034	28,981	26,817	31,468	40,440	38,677
do. ground ..	3,958	2,255	3,022	5,024	2,256	1,330
Kieserite ..	10,575	10,566	10,251	12,082	11,204	14,225
Norway—						
Calcined ..	618	493	558	545	367	368
Chloride ..	463	1,779	495	710	349	377
Dolomite ..	227	215	856	1,192	1,929	826
Portugal—						
Crude and calcined ..	146	228	257	336	378	613
Carbonate ..	71	101	96	111	96	85
Chloride ..	50	70	81	76	84	148
Oxide ..	421	543	313	8	509	519
Sulphate ..	990	1,231	855	1,208	1,575	1,149
Sweden—						
Crude and calcined ..	1,234	1,400	1,459	1,650	1,473	1,504
Bricks ..	14,507	12,159	15,031	13,191	13,784	13,590
Magnesium metal ..	222	165	256	260	283	320
Carbonate ..	170	226	196	140	172	218
Chloride ..	1,130	1,040	1,102	1,222	924	1,137
Sulphate ..	862	1,004	1,124	1,175	1,284	1,191
U.S.S.R.—						
Crude ..	<i>n.a.</i>	<i>n.a.</i>	39,500	39,600	29,600	—
Yugoslavia—						
Calcined and ground ..	605	28	—	—	—	—
Bricks ..	6,399	3,685	1,411	158	65	49
Magnesium metal ..	58	99	89	120	141	231
Algeria—						
Calcined ..	8	7	6	8	—	5
Dolomite ..	916	907	2,113	2,397	2,187	2,468
Belgian Congo—						
Oxide ..	1,921	1,116	688	658	615	901
Sulphate ..	522	331	578	553	438	530
Chloride ..	1	4	1	3	10	19
Egypt—						
Magnesite and dolomite ..	2,815	3,071	3,676	3,218	4,304	3,587
Sulphate ..	343	186	682	590	518	727
Morocco—						
Chloride ..	<i>n.a.</i>	<i>n.a.</i>	151	150	202	152
Sulphate ..	98	143	53	26	178	26
Cuba (a)—						
Oxide ..	120	119	129	59	155	<i>n.a.</i>
Carbonate ..	344	118	78	200	35	<i>n.a.</i>
Sulphate ..	<i>r</i> 842	<i>r</i> 397	<i>r</i> 513	<i>r</i> 592	630	<i>n.a.</i>
Mexico (a)—						
Crude ..	<i>n.a.</i>	318	133	611	381	284
Magnesium metal ..	346	379	350	354	468	319
Oxide ..	22	296	511	327	678	421
Sulphate ..	27	102	81	64	91	131
United States—						
Calcined ..	2,422	2,177	3,169	6,911	5,030	2,139
Dead-burned ..	35,087	60,904	91,689	84,718	66,968	67,163
Bricks ..	5,622	6,473	7,555	10,803	9,851	10,185
Magnesium metal, etc. ..	2,181	654	1,646	562	877	480
Oxide ..	—	1	101	176	368	317
Carbonate, precipitated ..	226	178	252	235	274	291
Chloride ..	284	227	197	312	385	612
Sulphate (incl. Kieserite) ..	26,918	31,880	37,803	43,548	43,188	41,623

(a) Total imports.

IMPORTS OF MAGNESITE, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Carbonate	135	305	950	341	436	214
Chloride	30	68	177	63	174	—
Oxide	1	1	20	24	3	—
Brazil (a)—						
Crude	1,068	6	1,273	3	—	38
Carbonate	138	575	114	310	430	194
Chloride	30	44	57	78	56	8
Oxide	15	117	92	68	98	45
Sulphate	59	677	386	845	1,022	327
Chile—						
Crude	17	49	53	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Calcined	1,480	3,003	1,108	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Sulphate	329	62	573	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Dolomite, crude ..	17,349	10,028	13,478	<i>n.a.</i>	18,208	<i>n.a.</i>
do. calcined ..	1,086	4,238	3,363	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Crude and calcined ..	33	1,294	2,566	4,149	2,112	4,241
Carbonate	12	18	7	11	8	246
Chloride	2	29	10	11	23	14
Oxide	125	70	75	85	110	86
Sulphate	176	319	413	452	617	408
Peru—						
Crude and calcined ..	1,115	1,941	1,197	26	9	<i>n.a.</i>
Carbonate	11	26	7	12	31	<i>n.a.</i>
Oxide	2	4	2	5	3	<i>n.a.</i>
Hydroxide	34	39	42	50	53	<i>n.a.</i>
Sulphate	16	313	44	66	35	<i>n.a.</i>
Chloride	2	3	—	3	3	<i>n.a.</i>
Venezuela (a)—						
Crude	38	12	<i>n.a.</i>	149	776	1,951
Sulphate	131	112	<i>n.a.</i>	103	154	170
Japan—						
Crude and calcined ..	77,960	40,412	52,638	94,876	121,766	66,894
Magnesium metal ..	426	1,024	1,722	4,526	3,281	16
Syria—						
Ground and calcined ..	25	29	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Sulphate	64	239	<i>n.a.</i>	142	<i>n.a.</i>	<i>n.a.</i>
Turkey—						
Carbonate, chloride, etc.	252	203	59	16	33	24
Oxide	12	12	11	4	12	4
Sulphate	656	218	558	187	43	14

(a) Total imports.

MANGANESE
PRODUCTION OF MANGANESE ORE

Long tons

Producing Country	Estimated Manganese Content											
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES												
Bechuanaland ..	—	—	—	—	—	12,690	—	—	—	—	—	n.a.
Ghana (a) ..	745,990	460,245	539,580	635,851	641,343	513,099	355,000	220,000	259,000	305,000	308,000	246,000
Northern Rhodesia ..	7,129	15,680	17,604	36,393	35,449	44,595	2,766	7,500	8,500	17,500	17,000	21,400
Southern Rhodesia ..	—	16	1,187	729	1,594	2,243	—	n.a.	n.a.	n.a.	n.a.	n.a.
South West Africa ..	36,299	30,416	37,393	51,127	80,054	92,009	17,400	14,600	18,000	24,500	38,400	44,200
Union of South Africa ..	814,588	690,059	579,888	686,071	703,467	834,021	321,000	276,000	238,000	281,000	288,000	342,000
India ..	1,902,238	1,413,847	1,583,538	r 1,686,609	1,602,000	1,233,000	932,000	693,000	770,000	r 826,000	785,000	604,000
Australia ..	32,943	28,202	47,356	59,384	76,922	55,640	15,300	13,100	21,300	26,800	35,700	25,400
New Zealand ..	289	239	159	156	36	103	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Papua ..	42	—	20	13	—	—	23	—	n.a.	n.a.	—	—
Fiji ..	(a) 2,186	9,619	17,681	22,381	34,694	(a) 22,498	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOTAL ..	3,542,000	2,650,000	2,824,000	r 3,179,000	3,176,000	2,810,000	—	—	—	—	—	—
OTHER COUNTRIES												
Bulgaria ..	20,669	32,479	61,612	75,587	80,000	(b) 78,700	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
France ..	—	1,000	1,280	1,230	1,862	2,133	—	221	281	369	409	469
Greece ..	13,908	16,694	24,239	7,763	15,666	19,684	5,300	6,700	9,700	3,100	6,300	7,900
Hungary ..	117,891	107,511	93,936	(b) 84,000	(b) 118,000	(b) 118,000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Italy ..	39,426	49,019	55,968	r 46,158	46,407	42,688	11,300	r 13,600	r 14,500	r 11,700	12,000	10,800
Portugal ..	12,426	9,489	3,918	3,132	5,389	4,896	5,200	4,000	1,600	1,300	2,300	2,057
Roumania ..	r 112,561	r 170,636	383,763	231,298	261,074	197,102	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Spain ..	32,182	35,277	44,519	32,232	40,734	37,309	13,800	14,100	18,200	13,200	12,400	11,000
Sweden ..	11,484	8,044	15,140	28,788	12,960	1,200	1,638	1,200	2,376	3,846	1,354	n.a.
U.S.S.R. ..	4,568,000	4,517,000	4,668,000	4,860,000	5,067,000	5,281,000	2,060,000	2,030,000	2,100,000	2,190,000	2,280,000	2,380,000
Yugoslavia ..	9,859	9,061	10,782	11,390	10,072	9,877	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Angola ..	64,824	31,129	51,119	52,130	49,289	48,088	30,600	14,900	11,800	17,000	15,000	17,500
Belgian Congo ..	213,242	378,857	454,440	324,330	361,225	332,804	106,600	189,400	218,100	155,700	173,400	159,700
Egypt ..	279,597	174,727	r 209,854	197,562	84,171	n.a.	r 84,000	53,000	r 63,000	59,000	25,000	n.a.

(a) Exports. (b) United States Bureau of Mines' estimate.

PRODUCTION OF MANGANESE ORE (cont.)

Long tons

Producing Country	Estimated Manganese Content											
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES—(cont.)												
Morocco ..	423,718	394,881	405,944	421,276	484,379	403,608	193,200	184,000	187,000	194,000	n.a.	n.a.
Sudan ..	r 386,216	262,038	r 254,360	(a) 5,959	6,709	1,174	—	—	—	n.a.	n.a.	n.a.
Cuba (b) ..	240,949	248,211	86,898	(d) 200,000	(d) 260,000	65,143	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Mexico ..	—	—	—	—	1,923	(d) 260,000	73,870	82,040	35,241	60,950	78,410	77,408
Panama Republic ..	140,657	184,043	256,478	307,799	327,084	4,008	—	—	—	—	—	n.a.
United States (c) ..	5,000	1,200	9,852	7,951	9,959	288,489	73,871	87,810	123,700	147,000	151,874	131,298
Argentina ..	227,731	159,962	209,151	305,875	903,518	n.a.	2,200	500	4,000	3,100	4,000	n.a.
Brazil ..	n.a.	37,122	42,674	47,250	53,325	868,227	r 22,363	83,000	94,000	138,000	407,000	388,000
Chile ..	(d) 1,000	(d) 4,000	(d) 5,000	(d) 6,500	15,105	37,554	470	17,147	r 19,637	r 21,328	24,900	16,493
Peru ..	8,580	3,714	300	9,212	29,410	2,895	—	1,762	2,145	2,869	6,216	1,302
Venezuela ..	n.a.	170,000	270,000	1,150	452	8,071	4,800	2,000	140	n.a.	n.a.	n.a.
Burma ..	r 21,650	19,918	r 38,447	r 106,123	52,981	1,255	n.a.	n.a.	n.a.	n.a.	n.a.	170
China (f) ..	11,318	13,989	9,503	(a) 6,392	(a) 13,417	43,161	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Indonesia ..	191,327	160,855	198,527	280,514	284,373	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Iran (e) ..	3,010	r 1,557	3,427	1,927	3,154	279,006	73,000	62,000	74,000	103,000	1,300	101,000
Japan ..	21,168	9,245	11,724	4,344	29,754	—	1,200	600	1,400	800	1,300	—
Korea (South) ..	148,417	104,246	133,502	192,710	230,273	21,956	9,300	4,000	5,100	1,900	13,100	9,700
Philippine Republic ..	72,782	49,026	49,311	59,792	55,822	101,615	71,000	50,000	53,000	72,000	90,000	38,000
Portuguese India ..	5,503	—	—	401	340	984	35,800	24,000	24,000	29,000	180	520
Thailand ..	—	—	—	—	—	22,250	2,641	—	—	—	—	—
Turkey ..	—	—	—	—	—	—	—	—	—	—	—	—
New Caledonia ..	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL ..	r 7,600,000	r 7,400,000	r 8,000,000	r 8,700,000	9,700,000	9,000,000	—	—	—	—	—	—
WORLD'S TOTAL ..	r 11,000,000	r 10,000,000	r 10,800,000	r 11,900,000	12,900,000	12,000,000	—	—	—	—	—	—

Low-grade manganese ore is known to have produced in Czechoslovakia.

(a) Exports.

(b) Concentrates.

(c) Shipments. Excluding the following quantities of ore containing 10 to 35% Mn, which are included with iron ore (long tons): 1953—243,516; 1954—55,082; 1955—144,595; 1956—125,778; 1957—221,338; 1958—78,349.

(d) Estimated.

(e) Years ended March 20 following that stated.

(f) United States Bureau of Mines' estimate.

EXPORTS OF MANGANESE ORE, ETC.
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Metal	283	409	814	447	166	83
Ferro-manganese and spiegeleisen	950	8,903	1,195	966	655	611
Ghana—						
Ore	745,990	447,770	539,580	635,851	641,343	513,099
Northern Rhodesia—						
Ore	2,221	(c) 2,650	(c) 17,360	(c) 20,975	(c) 28,184	(c) 32,349
South West Africa—						
Ore	30,165	27,608	} 420,458	457,916	497,221	442,387
Ore	632,305	397,297				
Union of South Africa—						
Ore	632,305	397,297				
Canada—						
Spiegeleisen	508	—	—	210	637	—
Ferro-manganese	610	3,249	26,254	53,076	41,726	201
Hong Kong (re-exports)—						
Ore	—	—	—	—	228	324
Manganese dioxide	101	73	51	217	481	1,652
India—						
Ore	b 1,761,420	b 1,092,265	1,232,456	1,456,702	1,633,679	924,497
Ferruginous manganese ore	65,099	23,881	53,096	52,458	81,333	35,690
Ferro-manganese	n.a.	n.a.	n.a.	n.a.	3,001	10,553
Australia (a)—						
Ore	110	18,337	—	4	5,620	31,136
Fiji—						
Ore	2,186	5,707	9,258	19,318	27,415	22,498
Papua (a)—						
Ore	42	97	60	28	18	—
OTHER COUNTRIES						
Belgium-Luxemburg E.U.—						
Ferro-manganese	10	3,230	7,044	4,477	14,088	13,150
Spiegeleisen	n.a.	4,677	4,678	3,769	4,299	3,533
France—						
Ore including manganese-ferrous iron ore	1,972	2,142	2,389	2,591	1,420	1,145
Metal	187	164	341	143	118	205
Ferro-manganese	42,460	54,891	96,742	116,822	122,795	83,036
Spiegeleisen	1,209	1,212	5,500	4,724	425	410
Germany (Federal)—						
Ore	554	1,573	6,594	853	2,417	4,499
Metal	4	19	16	16	36	33
Greece—						
Ore	16,732	15,840	r 19,853	12,667	17,169	22,315
Italy—						
Ore, including manganese-ferrous iron ore	—	39	1	1	1	1
Ferro-manganese	1,147	1,003	550	736	211	322
Netherlands—						
Ore, including manganese-ferrous iron ore	4,401	3,772	2,173	1,913	2,872	7,357
Norway—						
Ferro-manganese	64,361	48,669	64,478	74,264	77,719	41,844
Ferro-silico-manganese	11,580	22,354	30,437	45,811	45,126	42,274
Portugal—						
Ore	13,947	3,445	5,767	3,819	4,973	2,184

(a) Years ended June 30 of that stated.

(b) Sea-borne trade only.

(c) Federation of Rhodesia and Nyasaland.

EXPORTS OF MANGANESE ORE, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Ore	403	545	1,614	2,604	518	595
Ferro-manganese ..	364	824	1,059	740	1,229	1,382
Ferro-silico-manganese	3	319	35	1	—	—
U.S.S.R.—						
Ore	<i>n.a.</i>	<i>n.a.</i>	838,000	903,000	793,200	819,800
do. (dioxide) ..	<i>n.a.</i>	<i>n.a.</i>	14,900	13,800	12,700	7,300
Ferro-manganese ..	<i>n.a.</i>	<i>n.a.</i>	25,200	30,900	41,000	45,000
Yugoslavia—						
Ferro-manganese ..	1,335	2,215	4,019	2,877	3,845	7,842
Silico-manganese ..	1,132	123	797	493	787	197
Angola—						
Ore	61,672	18,400	40,033	35,270	23,155	8,913
Belgian Congo—						
Ore	180,806	246,067	270,112	r 328,911	324,262	313,719
Egypt—						
Ore	209,428	183,750	211,278	262,766	20,300	19,689
Morocco—						
Ore	399,188	324,171	379,860	332,003	426,916	316,215
Sudan—						
Ore	—	—	—	5,959	6,236	1,273
Cuba—						
Ore	366,532	231,003	254,360	240,010	143,721	67,624
Mexico—						
Ore	282,977	227,645	70,102	155,044	213,974	225,000
Mn content ..	74,523	81,859	35,241	60,950	78,409	77,120
Panama Republic—						
Ore	—	—	—	—	1,923	4,008
United States—						
Ore	6,155	5,457	5,606	5,476	4,705	4,359
Metal	357	395	408	644	656	551
Ferro-manganese ..	993	1,546	1,597	2,007	6,603	1,255
Brazil—						
Ore	163,477	92,889	173,756	256,233	785,462	653,207
Ferro-manganese ..	<i>n.a.</i>	<i>n.a.</i>	—	984	1,673	—
Chile—						
Ore	43,864	23,424	r 8,489	17,000	34,151	31,800
Ferro-manganese ..	2,210	6,014	7,903	2,997	5,711	5,822
Manganese dioxide ..	984	—	398	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Peru—						
Ore	4,640	3,596	5,759	8,706	9,628	<i>n.a.</i>
Venezuela—						
Ore	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	22,040	<i>n.a.</i>
Burma—						
Ore	<i>n.a.</i>	3,898	954	757	343	426
Indonesia—						
Ore	30,608	11,256	39,924	81,785	50,419	43,660
Iran (a)—						
Ore	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	6,392	13,417	<i>n.a.</i>
Japan—						
Ore	244	248	317	242	146	—
Ferro-manganese ..	23,573	14,230	41,532	53,131	35,490	47,900
Philippine Republic—						
Ore	28,658	11,156	13,396	14,451	33,501	30,532
Portuguese India—						
Ore	207,361	101,795	149,172	160,947	183,574	122,260
Thailand—						
Ore	—	—	—	<i>n.a.</i>	399	378
Turkey—						
Ore	65,722	39,602	31,269	55,267	24,561	23,922
New Caledonia—						
Ore	7,548	—	428	—	810	—

(a) Years ended March 20 following that stated.

IMPORTS OF MANGANESE ORE, ETC.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ore	493,691	500,380	404,708	441,804	476,337	347,433
Metal	8	15	71	249	481	649
Ferro-manganese and spiegeleisen	762	3,386	16,550	41,674	83,254	18,087
Silico-manganese	10,821	6,898	10,308	13,977	13,845	16,122
Union of South Africa—						
Ferro-manganese	90	9	—	—	—	—
Manganese dioxide	382	663	982	1,262	1,455	1,818
Canada—						
Ore	59,538	43,716	156,501	185,694	117,249	37,553
Ferro-manganese	932	7,613	3,522	1,956	664	2,217
Silico-manganese	16	17	243	1,009	2,015	1,950
Hong Kong (a)—						
Ore	—	8	110	135	249	93
Manganese dioxide	1,967	1,083	1,528	1,747	2,111	3,503
India—						
Ferro-manganese	580	6,197	481	291	275	200
Malaya (a)—						
Ore	778	1,655	1,825	1,128	2,731	2,532
Australia (c)—						
Ore	106	2,273	2,172	2,060	1,046	3,028
Ferro-manganese	110	684	2,206	10,357	2,781	4,908
OTHER COUNTRIES						
Austria—						
Ore	4,301	10,000	33,623	19,609	69,431	4,661
Ferro-manganese	2,709	4,308	5,951	7,219	7,518	8,268
Belgium-Luxemburg E.U.—						
Ore (b)	111,155	99,287	110,260	121,088	134,689	153,364
Ferro-manganese	49,651	42,910	62,357	71,532	80,984	46,626
Ferro-silico-manganese	1,165	2,973	1,640	3,002	2,553	2,317
Spiegeleisen	n.a.	8,478	8,994	19,451	16,642	20,666
Denmark—						
Ore	2,543	2,499	3,044	7,796	6,068	4,298
Ferro-manganese, etc.	2,406	3,535	2,716	2,412	2,460	2,305
Finland—						
Ferro-manganese and spiegeleisen	1,165	1,620	1,754	2,556	2,925	1,363
France—						
Ore (b)	435,005	399,630	669,552	646,484	805,409	545,171
Ferro-manganese	563	2,686	6,012	887	40	3,405
Spiegeleisen	3,140	15,955	16,589	16,561	26,816	16,552
Germany (Federal)—						
Ore	415,656	177,723	320,375	416,872	486,093	335,690
Metal	264	537	478	498	505	1,124
Italy—						
Ore (b)	37,070	91,326	82,271	121,698	132,533	56,671
Metal	72	111	57	53	55	29
Spiegeleisen	2,162	1,129	2,506	2,145	168	4,411
Ferro-manganese	162	789	3,857	8,211	9,257	17,703
Ferro-silico-manganese	—	118	538	1,129	2,840	1,863
Netherlands—						
Ore (b)	47,783	47,202	24,789	34,748	37,977	25,722
Ferro-manganese	n.a.	5,401	7,376	7,100	10,278	9,102
Ferro-silico-manganese	n.a.	401	236	513	277	229
Spiegeleisen	n.a.	1,137	1,064	1,410	1,446	512

(a) Total imports.

(b) Including manganiferous iron ore.

(c) Years ended June 30 of that stated.

IMPORTS OF MANGANESE ORE, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Norway—						
Ore	215,614	99,129	152,714	214,300	282,338	193,757
Spain—						
Ore	1,896	11,722	28,810	91	3,036	18,046
Ferro-manganese ..	5,460	3,339	1,729	163	342	120
Sweden—						
Ore (chemical grade) ..	418	675	781	684	699	871
do. (metallurgical grade)	30,316	31,997	30,879	37,570	38,693	72,314
Ferro-manganese ..	1,850	2,897	3,032	6,952	7,016	3,176
Spiegeleisen	15	30	76	221	88	59
Ferro-silico-manganese	161	99	150	227	1,580	308
Yugoslavia—						
Ore	3,967	11,183	8,765	16,645	23,340	24,642
Ferro-manganese ..	89	116	156	143	245	300
Algeria—						
Ore	61	31	72	20	5	25
Mexico (a)—						
Ferro-manganese ..	123	130	145	159	160	1,192
United States—						
Ore (b)	2,958,014	2,099,730	2,174,383	2,127,145	2,272,578	1,606,864
<i>Mn content</i>	<i>1,286,139</i>	<i>939,625</i>	<i>966,476</i>	<i>929,272</i>	<i>1,043,678</i>	<i>748,823</i>
Ferro-manganese ..	112,963	50,689	58,144	143,038	301,856	57,082
<i>Mn content</i>	<i>87,680</i>	<i>39,950</i>	<i>46,639</i>	<i>110,672</i>	<i>230,197</i>	<i>44,215</i>
Spiegeleisen	701	—	—	209	—	—
Argentina—						
Ferro-manganese ..	2,169	4,176	698	1,908	—	—
Brazil (a)—						
Ferro-manganese ..	59	166	49	—	73	63
Chile—						
Ferro-manganese ..	59	5	22	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Silico-manganese ..	19	8	5	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Japan—						
Ore	108,957	111,965	172,854	203,311	223,986	170,245

(a) Total imports.

 (b) Including the following quantities of ore containing 10 to 35% Mn (*Mn content* in brackets): 1953—165,387 (37,481); 1954—96,515 (20,327); 1955—153,091 (31,519); 1956—142,806 (29,951); 1957—5,236 (1,623); 1958—4,497 (1,406).

MERCURY
PRODUCTION OF MERCURY

Lb. avdp.

Producing Country	1953	1954	1955	1956	1957	1958
Austria (a)	1,742	2,138	1,265	441	487	—
Italy	3,904,435	4,140,521	4,068,000	4,707,000	4,806,000	4,462,000
Spain	3,308,664	3,277,696	2,753,733	3,668,107	4,161,075	n.a.
Yugoslavia	1,085,000	1,098,000	1,109,000	1,005,000	937,000	933,000
Tunisia	—	—	12,566	7,716	—	2,976
Mexico	884,184	1,121,350	2,270,999	1,484,000	1,601,211	1,714,303
United States	1,089,612	1,409,268	1,440,580	1,837,452	2,631,500	2,893,092
Bolivia	—	—	—	—	—	(d) 760
Chile	7,573	r 18,492	40,007	43,735	51,496	254,039
Colombia	—	—	2,700	—	7,500	15,000
Peru	—	5,884	11,228	25,477	31,248	150,680
China	(c) 380,000	(c) 760,000	(c) 874,000	n.a.	n.a.	n.a.
Formosa	—	3,300	—	—	—	—
Japan	486,825	780,039	379,274	633,375	902,299	829,000
Philippine Republic ..	—	—	48,260	229,140	255,588	252,396
Turkey	—	19,800	63,900	42,712	54,720	112,936
WORLD'S TOTAL (b)	12,000,000	r13,600,000	r14,100,000	r15,500,000	17,200,000	17,600,000

Mercury is also produced in Czechoslovakia and the U.S.S.R.; an allowance has been made for this in the total.

- (a) Mercury content of copper concentrates.
- (b) Estimated.
- (c) United States Bureau of Mines' estimate.
- (d) Exports.

EXPORTS OF MERCURY, ETC.
(Domestic Produce)

Lb. avdp.

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Mercury	20,620	63,479	68,138	66,947	<i>n.a.</i>	<i>n.a.</i>
Canada—						
Mercury	7,018	6,310	3,781	5,953	1,425	2,830
Hong Kong (re-exports)—						
Mercury	988	3,497	—	3,573	3,256	380
Malaya (re-exports)—						
Mercury	329	622	1,996	130	953	383
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Mercury	24,251	3,086	4,409	1,543	1,764	15,000
Mercury salts	11,023	8,378	3,307	20,724	16,755	2,200
France—						
Mercury	6,173	15,873	14,110	3,748	6,173	9,000
Mercury salts	11,684	28,881	22,487	22,083	14,330	13,900
Germany (Federal)—						
Mercury	11,244	10,362	7,937	42,108	40,565	15,000
Italy—						
Mercury	4,192,766	4,705,934	2,123,089	5,700,339	2,188,088	866,900
Mercury salts	97,890	72,854	49,675	24,079	9,442	26,700
Portugal—						
Mercury	7,399	112	148	—	165	—
Spain—						
Mercury	3,318,693	3,308,697	2,450,667	3,095,909	3,533,824	3,855,541
Mercury salts	35,298	14,425	11,230	16,592	46,775	64,767
Sweden—						
Mercury	—	—	8,818	6,614	2,205	29,000
Switzerland—						
Mercury	35,230	300	111,918	721	930	1,404
U.S.S.R.—						
Mercury	<i>n.a.</i>	<i>n.a.</i>	421,000	708,000	642,000	789,000
Yugoslavia—						
Mercury	974,037	899,925	1,003,965	653,663	521,078	312,666
Mercury salts	39,178	93,961	55,810	118,005	86,507	137,628
Mexico—						
Mercury	948,779	1,403,293	1,842,048	1,753,870	1,593,327	1,988,210
United States—						
Mercury	41,497	67,628	34,301	82,044	145,833	24,298
Bolivia	—	—	—	—	—	760
Peru—						
Mercury	408	—	15,267	26,929	30,003	137,636
Japan—						
Mercury	1,459	6,175	2	317	1,210	384
Philippine Republic—						
Mercury	—	—	—	224,007	224,627	306,760
Turkey—						
Mercury	5,324	36,341	38,407	23,578	61,712	129,960

IMPORTS OF MERCURY, ETC.

(Less Re-exports)

Lb. avdp.

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Mercury	1,431,510	1,803,837	714,322	1,180,738	216,658	1,071,272
Chloride	74,582	22,479	13,445	15,960	<i>n.a.</i>	<i>n.a.</i>
Southern Rhodesia—						
Mercury	8,147	(b) 11,289	(b) 13,493	(b) 10,109	(b) 11,948	(b) 6,591
South West Africa—						
Mercury	78	178	} 11,171	42,818	49,806	51,963
Union of South Africa—						
Mercury	50,532	103,535				
Canada—						
Mercury	196,412	243,491	522,409	449,702	400,710	197,073
Mercury salts	(£12,330)	(£6,766)	(£4,094)	(£661)	(£9,039)	(£3,996)
Hong Kong (a)—						
Mercury	9,502	6,235	6,370	19,901	28,722	11,163
India—						
Mercury	(c) 276,993	(c) 210	14	173,080	296,727	148,073
Mercury salts	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	26,190	19,588
Malaya (a)—						
Mercury	1,080	6,878	4,386	3,268	1,951	1,874
Pakistan—						
Mercury	(e) —	(e) 331	(e) 112	304	7,110	—
Sarawak—						
Mercury	<i>n.a.</i>	6	353	44	<i>n.a.</i>	<i>n.a.</i>
Australia (d)—						
Mercury	41,330	144,842	70,144	64,096	61,546	59,447
Mercury salts	33,160	53,303	182,079	367,592	250,817	184,087
New Zealand—						
Mercury	3,817	1,721	5,634	5,146	1,464	4,121
Mercury salts	3,800	6,400	10,500	11,300	12,200	3,800
OTHER COUNTRIES						
Austria—						
Mercury	30,644	55,777	49,824	19,842	34,613	28,700
Mercury salts	22,487	34,172	26,896	24,030	16,314	24,000
Belgium-Luxemburg						
E.U.—						
Mercury	72,753	101,854	63,272	85,098	99,869	89,900
Mercury salts	15,433	25,353	25,892	11,684	16,535	15,200
Denmark—						
Mercury	9,039	19,842	19,621	93,256	22,046	242,300
Finland—						
Mercury and amalgam	39,185	111,298	124,405	65,111	150,018	57,552
France—						
Mercury	575,627	720,030	990,316	862,889	769,193	697,300
Mercury salts	—	—	220	661	2,205	8,200
Germany (Federal)—						
Mercury	649,261	1,658,758	1,572,557	1,181,237	1,140,892	1,148,200
Greece—						
Mercury	57	311	73	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Italy—						
Mercury salts	39,833	25,768	2,072	30,151	38,140	46,300

(a) Total imports.

(b) Federation of Rhodesia and Nyasaland.

(c) Excess of re-exports.

(d) Years ended June 30 of that stated.

(e) Years ended March 31 following that stated.

IMPORTS OF MERCURY, ETC. (cont.)

Lb. avdp.

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Mercury	72,753	61,729	99,208	176,370	304,238	106,000
Mercury salts	50,706	59,525	48,502	52,911	52,911	84,000
Norway—						
Mercury	60,815	87,819	26,078	14,332	40,016	12,599
Portugal—						
Mercury	13,151	5,911	34,599	7,939	27,950	26,103
Mercury salts	2,910	3,770	4,958	5,426	4,965	2,815
Sweden—						
Mercury	72,753	57,320	213,848	372,581	154,324	154,000
Switzerland—						
Mercury	72,234	98,672	121,501	72,792	53,517	40,827
Algeria—						
Mercury	3,527	2,425	2,646	2,425	1,543	5,100
Mercury salts	661	661	441	441	441	200
Angola—						
Mercury	11	126	97	187	141	31
Mercury salts	884	161	66	64	68	24
Belgian Congo—						
Mercury	2,377	3,148	6,713	3,948	4,583	606
Mercury salts	330	54	11	893	44	159
Egypt—						
Mercury	1,876	2,302	2,668	3,803	4,504	38,801
Morocco—						
Mercury	4,738	873	1,323	721	1,045	1,292
Mozambique—						
Mercury	49	163	163	293	179	11
Sudan—						
Mercury	24	172	390	269	384	<i>n.a.</i>
Tunisia—						
Mercury	440	220	568	220	110	220
Cuba (a)—						
Mercury	4,129	3,093	54,437	3,602	3,960	<i>n.a.</i>
Guatemala (a)—						
Mercury	205	115	236	611	252	430
Nicaragua (a)—						
Mercury	174	234	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
United States—						
Mercury	6,337,868	4,936,732	1,546,904	3,596,016	3,192,364	1,532,028
Mercury salts	29,891	34,898	20,298	27,985	18,891	8,685
Argentina—						
Mercury	—	282	143	71,452	8,918	72,215
Mercury salts	3,018	5,315	2,006	8,386	8,521	2,824
Brazil (a)—						
Mercury	125,426	183,914	193,323	179,099	530,238	106,622
Chile—						
Mercury	669	4,782	4,353	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Mercury salts	1,245	2,729	1,812	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Mercury	10,218	4,374	6,632	165,682	3,530	2,712
Mercury salts	19,729	46,784	42,137	19,061	52,649	9,546
Peru—						
Mercury	1,931	1,153	882	1,929	1,327	<i>n.a.</i>
Mercury salts	758	503	406	717	1,023	<i>n.a.</i>
Uruguay—						
Mercury	392	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,380	14,072
Venezuela (a)—						
Mercury	13,195	95,122	<i>n.a.</i>	434,143	46,623	38,590
Mercury salts	6,387	11,444	6,109	4,707	9,720	7,317
Formosa—						
Mercury	8,755	3,556	2,099	16,175	16,211	17,070

(a) Total imports.

IMPORTS OF MERCURY, ETC. (cont.)

Lb. avdp.

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Indonesia—						
Mercury	10,084	2,185	97,266	19,019	11,947	5,463
Iran (b)—						
Mercury	7	772	n.a.	5,459	9	n.a.
Mercury salts	644	16,019	n.a.	32,781	15,785	n.a.
Japan—						
Mercury	366,313	68,185	406,023	1,048,172	1,015,791	22,260
Philippine Republic—						
Mercury	1,757	1,702	n.a.	320	—	873
Thailand (a)—						
Mercury	n.a.	n.a.	827	n.a.	831	8,375
Mercury salts	n.a.	n.a.	489	2,447	22,505	791
Turkey—						
Mercury	282	185	46	n.a.	n.a.	n.a.
Mercury salts	3,822	3,865	767	1,455	2,932	1,131

(a) Total imports.

(b) Years ended March 20 of year following that stated.

MICA
PRODUCTION OF MICA

Lb. avdp.

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Kenya	—	—	1,622	—	—	16,000
Northern Rhodesia— Sheet	16,889	6,464	4,501	5,821	627	1,940
Southern Rhodesia— Block and sheet	148,000	184,000	142,000	124,000	70,000	106,000
Crude and waste	200,000	—	—	—	—	—
Tanganyika— Sheet	170,000	170,000	150,000	130,000	150,000	110,000
Waste	110,000	63,000	614,000	280,000	—	25,000
Uganda	59	525	—	—	—	—
Union of South Africa— Sheet	10,872	3,968	11,240	1,092	1,318	1,088
Waste	4,284,000	4,108,000	7,818,000	5,038,000	4,226,000	4,254,000
Canada (c)— Rough mine-run or rifted	62,744	11,416	25,275	40,826	2,577	4,608
Trimmed	50,933	18,939	24,317	22,355	40,165	29,834
Splittings	8,289	1,901	—	2,000	16,385	—
Sold for mechanical splitting	168,537	40,150	8,000	16,000	65,612	54,717
Ground	664,741	937,076	943,158	1,493,410	911,138	1,380,530
Scrap	1,284,334	687,205	639,958	269,220	243,193	35,244
Ungraded	25,550	10,083	—	—	3,346	—
<i>By varieties—</i>						
<i>Phlogopite and biotite</i>	<i>1,863,130</i>	<i>1,440,770</i>	<i>1,136,390</i>	<i>1,663,803</i>	<i>1,265,929</i>	<i>1,061,972</i>
<i>Muscovite and schist</i>	<i>401,998</i>	<i>266,000</i>	<i>504,318</i>	<i>180,008</i>	<i>16,487</i>	<i>442,961</i>
Ceylon	(a) 13,000	—	100	—	—	—
India (a)— Blocks	3,839,000	3,611,000	4,899,000	12,336,000	4,410,500	5,244,500
Splittings	12,210,000	10,868,000	16,728,000	14,663,000	16,644,000	14,273,300
Ground and waste	11,433,000	23,016,000	27,178,000	27,283,000	27,915,300	23,945,500
Australia (b)— Block	72,226	84,619	56,649	28,837	36,713	67,231
Scrap	—	80,864	20,160	—	40,600	46,256
OTHER COUNTRIES						
Austria	—	—	—	—	—	130,000
France	260,000	340,000	306,000	r 225,000	377,000	n.a.
Norway (d)	2,195,000	4,000,000	4,100,000	2,400,000	4,700,000	4,700,000
Spain	28,625	16,984	19,339	27,487	24,921	20,371
Sweden (c)— Block	7,000	—	—	—	—	—
Ground	379,000	331,000	368,000	392,000	474,000	421,000
Angola— Sheet	43,023	23,975	32,690	53,564	46,734	47,181
Waste and splittings	22,000	361,488	516,000	968,000	844,000	716,943
Madagascar— Phlogopite (block and splittings)	1,799,000	1,155,000	596,000	1,187,000	2,123,000	2,031,300
Morocco (Southern)	31,000	29,000	154	—	—	—
Mozambique	6,786	1,698	28,847	25,400	66,513	4,572
Sudan— Block	—	—	—	—	} (a) 13,311	{ 225,900
Scrap	—	—	—	—		

(a) Exports.

(b) The following amounts of damourite were also produced (lb. avdp.): 1953—997,000; 1954—1,151,000; 1955—977,000; 1956—1,057,000; 1957—1,456,000; 1958—1,080,000.

(c) Sales.

(d) Including waste.

PRODUCTION OF MICA (*cont.*)

Lb. avdp.

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
United States (a)—						
Sheet (uncut)	849,394	668,788	642,113	887,871	690,052	660,023
Scrap (b)	146,518,000	162,146,000	190,864,000	172,618,000	184,876,000	186,694,000
Argentina—						
Sheet	} 540,000	529,000	{ 99,000	309,000	212,150	<i>n.a.</i>
Waste				139,000	2,000	<i>n.a.</i>
Brazil	4,348,000	3,962,000	3,051,000	2,926,000	3,265,000	3,126,000
Formosa	51,000	44,000	—	29,000	11,000	1,000
TOTAL*	191,850,000	217,510,000	260,030,000	243,890,000	252,500,000	249,000,000

* Excluding mica known to have been produced in Roumania, U.S.S.R. and China.

(a) Sold or used by producers.

(b) Including mica recovered from kaolin and mica schists.

EXPORTS OF MICA
(Domestic Produce)

Lb. avdp.

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Splittings	13,000	7,000	—	} 3,839,000	3,382,000	2,948,000
Ground and waste ..	1,512,000	2,522,000	3,214,000			
Southern Rhodesia—						
Block and sheet ..	147,840	193,230	145,394	121,421	756,029	1,104,842
Waste	620,480	—	—	—	—	—
Tanganyika—						
Unmanufactured (c) ..	173,900	230,100	665,600	407,600	149,500	132,400
Union of South Africa—						
Waste	5,630,000	7,732,000	7,050,000	3,508,000	3,966,000	2,268,000
Canada—						
Rough	240,500	60,200	20,000	24,500	87,500	—
Trimmed block or sheet	79,400	17,400	46,900	41,800	66,000	51,900
Ground	320,000	240,000	900	92,000	24,000	78,000
Waste	1,354,700	453,600	313,000	119,500	184,700	170,200
Ceylon—	13,000	—	—	—	—	—
Hong Kong (a)—						
Unmanufactured (c) ..	2,700	125,200	27,200	1,900	13,100	79,900
India—						
Block	3,839,000	3,611,000	4,899,000	12,336,000	4,410,500	5,244,500
Splittings	12,210,000	10,868,000	16,728,000	14,663,000	16,644,000	14,273,300
Ground and waste ..	11,433,000	23,016,000	27,178,000	27,283,000	27,915,300	23,945,500
Other unmanufactured	n.a.	n.a.	n.a.	n.a.	358,300	48,000
Manufactured	n.a.	n.a.	n.a.	n.a.	481,398	402,246
Australia (b)—						
Unmanufactured ..	14,855	5,385	25,466	9,570	4,661	29,535
Manufactured	(£7,088)	(£9,969)	(£9,098)	(£7,979)	(£7,698)	(£10,638)
OTHER COUNTRIES						
Austria—						
Unmanufactured ..	186,500	352,700	344,800	99,000	178,300	111,100
Belgium-Luxemburg						
E.U.—						
Unmanufactured (c) ..	31,000	41,000	37,900	30,900	36,200	266,300
Manufactured	2,000	13,200	14,600	30,200	59,500	36,400
Denmark—						
Ground	4,000	41,900	59,700	25,600	24,500	31,300
Manufactured	7,500	5,300	5,700	4,800	15,400	5,500
France—						
Unmanufactured (c) ..	133,600	88,600	164,200	184,500	231,000	253,500
Ground	89,100	60,200	71,900	125,400	206,800	294,500
Manufactured	114,200	120,800	217,400	224,700	274,500	303,100
Germany (Federal)—						
Unmanufactured (c) ..	190,900	291,200	345,700	849,700	499,600	465,500
Manufactured	170,200	159,600	195,500	201,100	172,000	160,500
Italy—						
Manufactured	31,868	28,142	20,201	6,907	11,114	17,000
Netherlands—						
Unmanufactured ..	33,000	60,000	463,000	123,000	161,000	236,000

- (a) Re-exports.
 (b) Years ended June 30 of that stated.
 (c) Including waste.

EXPORTS OF MICA (cont.)

Lb. avdp.

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Norway—						
Unmanufactured ..	1,122,250	1,842,376	1,889,346	2,156,976	1,364,967	3,962,000
Waste	727,724	1,020,632	747,096	1,416,285	2,350,522	645,502
Sweden—						
Unmanufactured ..	84,000	33,000	26,000	9,000	18,000	22,000
U.S.S.R.—						
Unmanufactured ..	<i>n.a.</i>	<i>n.a.</i>	522,000	313,000	306,000	223,000
Yugoslavia—						
Waste	—	32,624	33	521,779	95,570	69,710
Angola—						
Unmanufactured ..	51,046	16,612	38,153	66,000	46,618	36,467
Waste	182,446	17,637	45,781	985,000	1,226,652	789,290
Madagascar—						
Unmanufactured ..	1,407,000	1,090,170	1,436,585	1,414,058	1,793,765	1,805,705
Morocco—						
Unmanufactured ..	9,000	49,494	8,391	3,042	—	—
Mozambique—						
Unmanufactured ..	4,409	1,763	3,818	536	3,772	661
Mexico—						
Unmanufactured ..	79,805	1,190	1,713	59,900	33,540	—
Manufactured ..	41,447	89,463	9,484	9,949	19,581	—
Waste	32,833	18,279	177,346	254,788	66,983	44,485
United States—						
Unmanufactured ..	45,046	318,518	447,491	546,673	911,006	1,030,540
Ground	4,560,883	6,058,118	5,808,347	8,901,497	9,256,170	8,198,367
Manufactured ..	197,370	280,415	372,548	343,159	541,432	254,198
Argentina—						
Unmanufactured ..	224,160	74,047	344,067	586,650	258,382	191,176
Brazil—						
Unmanufactured ..	2,637,138	1,457,758	1,869,383	2,163,094	1,815,826	1,783,352
Manufactured ..	9,451	4,048	461	36,938	27,079	35,025
Japan—						
Unmanufactured (a) ..	9,000	7,000	46,000	40,000	9,000	29,000
Manufactured	11,255	10,172	13,640	21,632	20,394	13,561

(a) Including waste.

IMPORTS OF MICA
(Less Re-exports)

Lb. advp.

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Block	674,000	1,404,000	1,118,000	1,053,000	1,178,000	954,000
Splittings	1,102,000	2,072,000	2,616,000	1,667,000	1,655,000	2,482,000
Ground and waste	7,309,000	14,197,000	10,765,000	8,048,000	13,704,000	7,150,000
Tanganyika—						
Unmanufactured (c)	(d) 2,700	—	13,200	—	8,800	33,600
Union of South Africa—						
Mica and micanite sheets	78,444	109,586	51,203	120,961	48,575	33,500
Canada—						
Unmanufactured	(£259,339)	232,700	198,900	324,900	501,900	1,047,700
Manufactured		(£132,777)	(£174,987)	(£193,901)	(£162,307)	(£139,476)
Trinidad and Tobago—						
Unmanufactured (c)	—	—	15,680	11,648	41,700	25,300
Manufactured	2,622	398	31	114	4,714	1,102
Hong Kong (a)—						
Unmanufactured (c)	—	151,600	10,100	300	23,400	51,100
India—						
Block	7,000	36,000	320,000	2,000	5,800	—
Splittings	58,000	105,000	60,000	13,000	79,200	—
Australia (b)—						
Block and sheet	147,180	48,991	54,400	45,791	25,022	21,653
Splittings		131,108	168,794	185,807	138,838	222,469
Ground		14,974	95,195	58,496	103,129	184,091
Waste		112,004	703,385	473,030	170,240	572,320
Manufactured		(£19,407)	(£12,151)	(£26,616)	(£16,315)	(£12,750)	(£11,002)
New Zealand—						
Unmanufactured (N.Z.)	(£14,549)	(£20,103)	(£17,273)	(£10,236)	(£10,535)	(£20,283)
Waste	34,000	29,000	(£NZ 728)	(£NZ 930)	(£NZ 1,146)	(£NZ 1,186)
Sarawak—						
Unmanufactured (c)	n.a.	4,000	40,000	13,000	22,000	9,000
OTHER COUNTRIES						
Austria—						
Unmanufactured	217,400	370,400	552,300	965,800	1,187,000	788,200
Belgium-Luxembourg E.U.—						
Unmanufactured (c)	1,883,000	2,569,900	2,367,300	2,776,500	3,293,000	1,682,300
Manufactured	33,000	94,358	86,000	78,300	60,600	54,900
Denmark—						
Unmanufactured	238,600	133,800	32,000	29,100	78,300	18,700
Ground	4,861,600	5,852,400	2,784,400	5,020,800	4,001,600	1,480,200
Manufactured	118,500	257,900	223,100	180,800	153,400	55,800
Finland—						
Manufactured	18,217	29,837	59,549	30,523	30,541	41,535
France—						
Unmanufactured (c)	1,288,800	2,078,300	2,513,900	3,305,700	3,828,300	5,004,100
Ground	947,100	2,038,600	1,898,600	2,174,200	2,615,300	2,763,300
Manufactured	44,800	69,400	141,500	132,500	114,200	65,000
Germany (Federal)—						
Unmanufactured (c)	5,388,500	4,399,300	6,470,300	7,173,200	7,974,800	7,684,200
Manufactured	34,800	55,600	127,600	127,000	146,200	215,800
Italy—						
Unmanufactured	577,620	226,443	186,114	197,274	380,549	1,968,500
Ground	358,694	559,119	710,071	1,132,001	951,872	32,967,500
Waste	5,174,925	8,713,913	9,201,139	34,815,098	53,352,974	
Manufactured	227,987	331,908	527,314	492,526	416,588	438,900
Netherlands—						
Unmanufactured	666,000	1,217,000	895,000	1,003,000	796,000	1,660,000
Manufactured	121,000	126,000	152,000	115,000	130,000	104,000

(a) Total imports.

(b) Years ended June 30 of that stated.

(c) Including waste.

(d) Excess of re-exports.

IMPORTS OF MICA (cont.)

Lb. advp.

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Norway—						
Unmanufactured (b) ..	2,386,797	4,012,481	3,745,080	2,562,060	5,508,077	5,294,511
Manufactured ..	41,429	34,830	24,663	31,396	35,278	<i>n.a.</i>
Portugal—						
Unmanufactured ..	47,000	78,105	75,374	106,128	115,811	175,327
Manufactured ..	<i>n.a.</i>	6,354	9,154	16,327	8,763	9,817
Spain ..	22,000	27,600	64,002	146,025	146,577	4,500,337
Sweden—						
Unmanufactured ..	1,761,000	1,590,000	2,231,000	1,867,000	2,443,000	2,123,000
Manufactured ..	53,000	40,000	60,000	60,000	46,000	53,000
Yugoslavia—						
Unmanufactured ..	529	2,363	498	1,235	—	—
Manufactured ..	278	152	8,314	22,170	8,080	3,732
Algeria—						
Unmanufactured (b) ..	—	—	200	55,800	158,300	155,000
Ground ..	6,400	3,300	27,600	71,600	125,500	257,700
Manufactured ..	5,500	13,000	4,600	7,700	7,300	4,900
Belgian Congo—						
Unmanufactured ..	<i>n.a.</i>	<i>n.a.</i>	494	2,978	10,055	265
Manufactured ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	4,116	22,663	2,359
Morocco—						
Unmanufactured (b) ..	492,244	113,977	444,417	1,131	4,608	11,431
Ground ..	1,314	1,347	2,204	27,558	—	452
Manufactured ..	3,770	10,981	5,814	2,974	8,378	2,315
Tunisia—						
Unmanufactured ..	36,200	74,500	16,800	—	4,000	22,700
Ground ..	45,200	27,117	220	6,200	—	9
Mexico (a)—						
Unmanufactured ..	131,023	83,015	76,348	158,843	201,053	57,347
Waste ..				7,566	37,942	272,231
United States—						
Unmanufactured ..	2,347,196	1,789,407	1,747,106	1,958,907	1,841,840	2,181,056
Ground ..	320,000	200,000	—	69,000	46,000	48,238
Waste ..	7,852,866	9,293,922	18,921,690	14,435,938	10,373,171	8,128,613
Films and splittings ..	11,092,452	6,429,839	12,194,412	10,529,034	11,310,980	9,937,286
Other manufactures ..	114,363	94,770	117,517	225,184	173,694	120,728
Brazil (a)—						
Unmanufactured ..	42,191	3,014	7,534	5,033	5,033	5,044
Manufactured ..	2,610	7,491	4,676	1,257	3,902	2,119
Chile—						
Unmanufactured ..	1,179	191,682	136,676	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Manufactured ..	7,830	8,000	18,500	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Unmanufactured ..	9,001	4,747	13,682	123,862	165,225	27,760
Manufactured ..	1,929	4,493	6,228	6,277	642	3,338
Peru—						
Ground and waste ..	11,980	18,911	33,468	75,288	119,418	<i>n.a.</i>
Venezuela (a)—						
Unmanufactured ..	649,663	2,216,966	<i>n.a.</i>	2,866,331	3,225,673	2,420,012
Philippine Republic—						
Unmanufactured ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	152,300	38,874	77,473
Japan—						
Unmanufactured ..	1,488,000	1,554,000	1,241,000	1,349,000	1,171,000	983,000
Ground ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	716,000	1,543,000	816,000
Waste ..	1,662,000	1,369,000	853,000	3,197,000	3,845,000	2,030,000
Manufactured ..	18,005	6,700	2,771	626	1,867	183
Thailand (a)—						
Unmanufactured ..	362	328	412	9	22	4
Manufactured ..	<i>n.a.</i>	326	150	937	86,796	847
Turkey—						
Unmanufactured ..	712	406	2,253	21,001	—	7,707
Manufactured ..	15	117	2,621	22,463	2,116	10,055

(a) Total imports.

(b) Including waste.

MOLYBDENUM
PRODUCTION OF MOLYBDENUM ORE
(MoS₂ content or equivalent)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Union of South Africa ..	—	—	—	—	10	7
Canada (a)	145	336	620	627	584	422
Hong Kong	2	—	—	—	—	—
Australia (b)	2	1	2	—	2	1
OTHER COUNTRIES						
Austria (b)	—	—	13	—	—	—
Norway	237	249	284	272	295	360
Portugal	1	3	8	8	13	—
Mexico	—	195	41	24	22	42
United States	42,623	43,684	46,002	42,787	45,237	30,579
Chile	2,245	r 2,044	2,088	r 2,312	2,197	2,109
Peru	8	2	—	—	—	2
Japan	297	334	326	392	446	515
Korea (South)	14	16	17	21	23	57
TOTAL*	45,574	r 46,864	r 49,401	r 46,443	48,829	34,094

*Excluding molybdenum ore known to have been produced in Italy, Roumania, Spain, U.S.S.R., Yugoslavia, Argentina, China, North Korea and Turkey.

(a) Shipments.

(b) Wolfanite.

EXPORTS OF MOLYBDENUM ORE, ETC.
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ferro-molybdenum ..	312	248	430	439	161	296
Canada—						
Oxide	<i>n.a.</i>	<i>n.a.</i>	660	589	499	763
OTHER COUNTRIES						
France—						
Oxide and molybdates	2	5	4	2	2	7
Germany (Federal)—						
Metal	4	7	14	58	40	9
Norway—						
Ore	242	312	298	289	288	390
Sweden—						
Ferro-molybdenum ..	35	50	184	302	291	353
Mexico—						
Ore and concentrates (<i>MoS₂ content</i>) ..	—	111	—	8	—	26
United States—						
Ore and concentrates (<i>MoS₂ content</i>) ..	5,240	10,087	10,857	13,389	18,962	8,908
Metal, alloys and scrap	10	15	10	16	44	6
Ferro-molybdenum ..	289	111	156	422	171	101
Wire, powder and semi- fabricated	22	23	16	16	21	16
Chile—						
Ore	2,516	2,264	2,862	2,450	2,806	1,800
Peru—						
Ore (<i>MoS₂ content</i>) ..	2	3	—	—	—	<i>n.a.</i>

IMPORTS OF MOLYBDENUM ORE, ETC.
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ore	3,929	6,007	5,583	5,685	5,565	3,713
Metal	—	3	7	27	11	10
Canada—						
Oxide	160	189	294	427	213	136
Australia (a)—						
Metal	5	—	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Ferro-molybdenum ..	76	152	97	r 114	158	129
OTHER COUNTRIES						
Austria—						
Oxide	7	1	20	59	72	86
Ferro-molybdenum ..	88	65	19	27	132	65
Belgium-Luxemburg						
E.U.—						
Oxide	2	10	8	13	32	11
Molybdates	9	12	13	25	13	42
Ferro-molybdenum ..	51	67	266	179	243	109
Finland—						
Ferro-molybdenum ..	58	34	39	36	72	40
France—						
Ore	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	2,772	3,349	3,295
Metal and alloys ..	2	3	8	10	9	11
Oxide and molybdates	2	2	3	20	8	16
Germany (Federal)—						
Ore	1,692	3,722	3,706	4,913	5,057	5,149
Metal	6	17	28	20	13	25
Italy—						
Ore	120	173	429	405	529	430
Metal	17	3	4	7	7	26
Ferro-molybdenum ..	282	184	169	276	303	<i>n.a.</i>
Netherlands—						
Ferro-molybdenum ..	<i>n.a.</i>	24	32	40	35	35
Sweden—						
Ore	533	1,067	1,586	1,788	2,249	1,444
Ferro-molybdenum ..	59	49	68	59	76	133
United States—						
Ore (<i>MoS₂</i> content) ..	—	115	100	—	20	1
Japan—						
Ore and concentrates ..	216	691	244	1,352	3,636	27

(a) Years ended June 30 of that stated.

NICKEL
PRODUCTION OF NICKEL ORE
(Metal content)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Southern Rhodesia ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	40	72	3
Union of South Africa (a) ..	1,688	1,886	2,320	3,236	4,073	(i) 3,500
Canada (b) ..	128,297	143,999	156,186	159,388	167,820	124,144
TOTAL ..	130,000	146,000	159,000	162,664	171,965	128,000
OTHER COUNTRIES						
Finland (c) ..	399	167	—	—	—	—
Greece (i) ..	—	—	—	r800	1,100	<i>n.a.</i>
U.S.S.R. (d) ..	39,000	41,000	43,000	46,000	49,000	52,000
Cuba (e) ..	16,300	17,697	(i) 18,500	(i) 19,500	(i) 25,000	<i>n.a.</i>
United States (f) ..	537	r 742	r 3,399	r 6,002	8,991	10,482
Bolivia (j) ..	—	—	—	3	2	—
Burma (g) ..	14	103	64	59	66	328
Iran (k) ..	<i>n.a.</i>	15	12	16	15	(l) 15
Japan ..	—	—	97	45	—	—
New Caledonia (h) ..	16,792	13,479	24,326	29,051	42,600	14,000
TOTAL* ..	73,000	r 73,000	r 89,000	102,000	127,000	100,000
WORLD'S TOTAL* ..	203,000	r 219,000	r 248,000	265,000	299,000	230,000

*Nickel ores are also produced in Brazil and South Korea. Totals are approximate.

(a) Nickel content of platinum matte plus refined nickel.

(b) Refined nickel and nickel in oxide and salts plus nickel in matte exported.

(c) Nickel content of concentrates.

(d) Source: Metallgesellschaft.

(e) Content of ore mined. The estimated content of oxide produced was:—

	Long tons				Long tons				
1953	12,361	1956 .. .. .	..	..	14,341
1954	12,987	1957 .. .. .	..	..	19,862
1955	13,516	1958 .. .. .	..	..	17,662

(f) Metal from domestic ore plus nickel produced as a by-product in the electrolytic refining of copper (partly from imported blister copper).

Secondary metal was recovered in the United States as follows:—

	Long tons				Long tons				
1953	7,457	1956 .. .. .	..	..	13,268
1954	7,683	1957 .. .. .	..	..	10,747
1955	10,304	1958 .. .. .	..	..	6,617

(g) Nickel content of nickel speiss.

(h) Content of dry ore mined. The estimated content of matte and ferro-nickel exported was:—

	Long tons				Long tons				
1953	5,856	1956 .. .. .	..	..	9,500
1954	8,847	1957 .. .. .	..	..	1,226
1955	10,514	1958 .. .. .	..	..	8,633

(i) Estimated.

(j) Exports.

(k) Years ended March 20 following that stated.

(l) United States Bureau of Mines' estimate.

EXPORTS OF NICKEL
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ingots, cubes, rondels etc. (a)	11,634	13,906	12,492	10,703	10,557	12,044
Plates, sheets, etc. ..	168	246	176	135	148	162
Other nickel, worked ..	165	638	1,282	1,206	1,478	1,949
Wire (alloyed)	849	766	793	800	870	976
Bars, rods, sheets, etc. (alloyed)	582	411	477	468	569	722
Other alloyed, worked ..	2,407	2,018	881	1,052	1,056	810
Scrap and alloyed	3,274	2,574	1,962	1,247	1,219	1,574
Nickel oxide	324	273	292	359	398	373
Southern Rhodesia—						
Ore	96	49	66	96	286	8
Union of South Africa—						
Matte (Ni content)	1,512	1,648	1,622	1,846	2,072	1,791
Canada—						
Matte or speiss (Ni content)	57,062	58,770	58,888	63,138	65,798	60,410
Nickel, fine	71,347	81,616	95,065	93,175	92,194	76,043
Nickel oxide (Ni content)	1,160	1,327	1,297	1,578	1,524	1,245
OTHER COUNTRIES						
Belgium-Luxemburg E.U.—						
Ingots, scrap, etc. ..	66	62	100	112	75	272
Bars, sheets and wire ..	—	4	2	3	7	2
Denmark—						
Crude and scrap	210	130	(b) 150	(b) 210	87	81
Finland—						
Ore	416	—	—	—	—	—
Crude and scrap	59	—	59	—	3	1
France—						
Ore	20	10	—	n.a.	n.a.	n.a.
Matte and speiss	—	177	—	—	15	—
Crude and ingots	203	1,435	1,782	1,354	1,324	612
do. (alloys)	42	40	51	8	1	—
Scrap (a)	255	409	643	311	99	12
Bars and wire	7	28	5	1	1	1
do. (alloys)	7	36	31	15	20	24
Germany (Federal)—						
Crude and scrap	54	15	213	614	1,248	1,372
Bars, sheets, wire, etc. (a)	989	1,127	899	1,706	1,210	1,129
Italy—						
Ore	19	—	12	—	5	—
Ingots (a)	2	8	—	1	—	1
Bars, sheets and wire ..	—	10	—	1	3	1
do. alloys	147	225	300	262	206	376
Netherlands—						
Scrap	70	70	31	85	117	138
Norway—						
Ore	—	—	—	—	861	—
Crude (a)	13,750	16,198	17,224	18,279	19,862	21,079
Sweden—						
Crude	—	30	12	47	261	73

(a) Including alloys.

(b) Scrap only.

EXPORTS OF NICKEL (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Crude and scrap (a) ..	468	357	409	468	393	836
Bars, sheets, etc. (a) ..	277	731	517	527	601	641
Cuba—						
Nickel oxide	17,681	19,013	15,339	16,251	21,876	20,020
United States—						
Ingots, bars, rods, etc. and scrap (a)	13,136	11,444	17,247	13,496	10,660	10,676
Sheets, plates and strips (a)						
		840	578	1,112	729	771
Bolivia—						
Ore (<i>Ni content</i>) ..	—	—	—	3	2	—
Japan—						
Ferro-nickel	<i>n.a.</i>	2,804	3,383	5,413	11,135	408
Ingots, slabs and grains do. (alloys)	464	846	1,153	2,557	2,898	—
	21	395	481	517	181	—
Bars, rods, plates and sheets	102	516	441	215	19	62
Korea (South)—						
Ore	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	310
New Caledonia—						
Ore (3% to 6% <i>Ni</i>) ..	204,626	146,178	330,970	761,009	1,079,765	177,122
Matte (75% to 78% <i>Ni</i>)	5,335	7,426	8,784	6,811	10,138	8,494
Ferro-nickel (32% to 35% <i>Ni</i>) ..	6,679	11,567	14,219	12,673	14,093	9,395

(a) Including alloys.

IMPORTS OF NICKEL
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ore, concentrates and matte	33,878	32,863	32,989	34,573	35,951	36,748
Ingots, cubes, rondels, etc.	5,879	5,930	8,690	7,989	8,837	10,195
Plates, sheets, etc. . .	14	18	3	3	9	5
Ingots, sheets, etc. (alloys)	3,218	2,855	3,014	2,697	2,657	3,979
Scrap and alloyed	1,246	2,063	2,085	1,390	1,300	1,896
Nickel oxide	469	624	720	729	1,093	918
Canada—						
Ingots or blocks (c) . . .	402	186	401	216	288	183
Bars, rods, sheets, etc. (c)	2,351	1,228	1,476	2,065	1,580	1,741
Hong Kong (a)—						
Sheets, rods, wire, etc. .	38	82	59	43	98	265
India—						
Crude	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	298	393
Bars, sheets and tubes . .	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	46	20
Scrap	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	334	324
Australia (b)—						
Pigs and ingots	583	585	510	716	808	772
Bars, sheets, tubes, etc. .	17	17	15	23	149	21
Pigs and ingots, alloyed	12	27	228	458	222	230
Bars, sheets, tubes, etc. alloyed	782	170				
New Zealand—						
Ingots, bars, sheets, etc. do. (alloyed)	2 27	— 11	12	11	13	37
Irish Republic—						
Nickel alloys and manufactures	5	11	33	48	38	70
OTHER COUNTRIES						
Austria—						
Crude	923	1,058	1,323	1,973	1,792	1,329
Anodes	28	78	92	45	44	57
Bars, sheets and wire . . .	5	12	13	19	36	15
do. (alloys)	87	138	158	189	119	130
Scrap	—	6	42	37	23	—
Belgium-Luxemburg						
E.U.—						
Ingots, etc.	506	351	465	593	567	714
Scrap	12	8	158	45	69	146
Bars, sheets and wire . . .	109	104	118	107	110	84
Denmark—						
Crude and scrap	80	106	105	142	180	133
Finland—						
Crude and scrap	201	185	448	296	312	335
France—						
Ore	14,898	760	—	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Matte and speiss	9,831	13,358	8,864	7,104	7,762	7,781
Ferro-nickel	<i>n.a.</i>	1,467	13,911	13,566	16,492	11,195
Crude and ingots	1,196	1,142	1,551	1,521	2,341	2,821
do. (alloys)	56	5	463	54	91	27
Scrap (c)	206	81	122	99	485	392
Bars and wire	73	186	132	77	84	81
do. (alloys)	220	243	345	276	309	360

(a) Total imports.

(b) Year ended June 30 of that stated.

(c) Including alloys.

IMPORTS OF NICKEL (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
(cont.)						
Germany (Federal)—						
Ore	163	56	54	20,008	406	—
Matte and speiss	604	55	4	3	967	863
Crude and scrap	7,041	13,079	18,273	17,642	14,871	14,718
Bars, sheets, wire, etc. (b)	28	95	198	161	198	395
Italy—						
Ingots and alloyed	1,470	1,833	2,167	2,218	2,497	2,455
Scrap	470	488	369	481	623	802
Bars, sheets and wire	30	100	64	44	82	88
do. alloys	215	225	361	411	377	344
Netherlands—						
Crude and scrap	193	338	315	340	370	341
Bars, sheets and wire	119	318	186	174	124	173
Norway—						
Ore	148	74	—	—	—	—
Matte (copper-nickel)	29,576	34,624	37,111	43,795	45,823	48,397
Crude, bars, rods, etc.	100	14	5	7	20	22
Portugal	29	35	43	28	58	124
Spain—						
Crude, ingots, etc.	65	112	103	132	143	807
Bars, etc. (b)	1,111	67	163	177	222	688
Sweden—						
Crude	2,881	3,325	3,908	4,256	5,558	4,858
Switzerland—						
Crude and scrap (b)	608	519	695	759	716	1,085
Bars, sheets, etc. (b)	422	377	576	669	826	907
Yugoslavia—						
Crude	82	32	18	92	21	53
Algeria—						
Sheets, wire and alloys	4	5	—	1	1	21
Egypt—						
Bars, sheets, tubes	21	27	32	48	65	54
Cuba—						
Ingots, bars, sheets, etc.	n.a.	57	98	152	112	n.a.
Mexico (a)—						
Ingots	20	137	145	100	112	194
Bars, sheets and wire	n.a.	n.a.	n.a.	59	94	90
United States—						
Ore and matte	13,040	12,621	8,114	11,446	11,765	4,084
Pigs, ingots, scrap etc.	76,415	87,238	r 98,096	96,082	89,363	56,307
Bars, rods and sheets	311	118	16	16	25	70
Nickel oxide	28,437	28,808	29,372	29,424	33,107	26,449
Argentina—						
Ingots and sheets	—	59	58	110	156	160
Brazil (a)—						
Ingots, bars, sheets, etc.	153	319	206	269	500	382
Chile—						
Ingots	71	50	89	n.a.	n.a.	n.a.
Colombia—						
Ingots, etc.	16	25	17	20	24	36
Bars, sheets and wire	20	39	107	66	71	41
Japan—						
Ore	198,093	144,449	302,673	654,637	1,025,660	200,316
Matte	451	120	—	—	109	—
Ingots, slabs, grains (b)	86	103	15	27	265	56
Bars, rods, sheets (b)	1	3	25	42	34	44
Turkey—						
Ingots, bars, and sheets	15	11	—	1	5	4

(a) Total imports.

(b) Including alloys.

NITROGEN COMPOUNDS
PRODUCTION OF NITRATES (NATURAL)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
India—						
Nitrate of potash ..	(a) 2,777	(b) 3,000	n.a.	n.a.	n.a.	n.a.
OTHER COUNTRIES						
Spain—						
Nitrate of potash ..	450	680	n.a.	n.a.	n.a.	n.a.
Chile—						
Nitrate of soda ..	r 1,398,705	1,549,445	1,515,893	1,140,868	1,288,871	1,259,848

Nitrate of soda is also produced in Peru, and nitrified earth in China.

(a) Incomplete.

(b) Estimated.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS*

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a)—						
Nitrogenous fertilizers expressed as 25% NH ₃	1,508,000	1,488,800	1,435,300	1,554,000	1,641,600	1,632,700
Actual ammonium sulphate	1,047,000	1,049,400	1,010,700	1,061,100	1,109,500	1,098,000
Union of South Africa (b)						
Nitrogen fertilizers (N content)	—	394	8,858	8,000	12,000	17,000
Canada—						
Ammonium sulphate	166,554	158,660	274,837	319,896	279,774	288,686
India—						
Ammonium sulphate	319,616	340,222	393,096	388,992	379,656	384,228
Pakistan—						
Ammonium sulphate	n.a.	n.a.	n.a.	n.a.	—	19,861
Australia—						
Ammonium sulphate (b)	71,192	70,811	77,800	94,100	110,898	118,732
OTHER COUNTRIES						
Austria—						
Nitrogen fertilizers	483,686	559,191	624,881	651,808	773,610	838,402
Belgium—						
N content—						
Synthetic ammonia etc.	179,426	220,171	205,963	231,875	230,056	270,578
Ammonium sulphate	15,587	15,346	15,208	16,298	16,735	17,964
Mixed fertilizers	4,055	7,417	6,838	10,440	11,728	21,259
Technical products	5,638	9,614	9,543	9,767	7,913	6,330
Bulgaria—						
Nitrogen fertilizers	n.a.	n.a.	n.a.	101,804	120,625	n.a.
Czechoslovakia—						
Nitrogen fertilizers (N content)	34,845	38,168	59,448	63,476	73,228	106,370
Finland—						
Cyanamide	3,881	1,673	n.a.	n.a.	2,932	n.a.
Nitrate of lime	43,936	59,020	n.a.	n.a.	n.a.	n.a.
Ammonium nitrate	1,481	547	n.a.	n.a.	295	n.a.
Ammonium sulphate	5,596	11,479	10,252	3,167	731	n.a.
France (b)—						
Ammonium sulphate	199,350	168,900	193,130	216,480	204,300	185,150
Cyanamide	36,650	42,960	43,080	30,530	12,000	12,110
Nitrate of soda	31,080	29,590	31,430	30,200	26,680	16,750
Nitrate of lime	214,380	197,680	243,160	234,020	261,620	255,470
Nitrate of ammonia	288,100	264,310	343,930	351,950	377,630	469,980
"Ammonitrate"	294,210	343,050	420,730	592,550	679,400	759,970
Ammonium phosphate	4,100	2,420	5,147	5,670	n.a.	n.a.
Germany (Federal)—						
Chemical nitrogen (N content)—						
Fertilizer	614,987	685,039	751,013	792,844	958,075	1,060,254
Technical use	107,538	138,164	162,203	153,243	150,716	159,823

*Includes by-product ammonium sulphate which is separately recorded as far as available on pages 80-83.

(a) Source: Annual Report of the British Sulphate of Ammonia Federation.

(b) Years ended June 30 of the year stated.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Germany (East)—						
<i>N content—</i>						
Ammonium sulphate	145,376	154,007	163,064	166,453	165,240	168,249
Cyanamide	13,597	10,312	13,935	13,906	13,811	15,774
Lime ammonium nitrate	87,774	92,627	95,628	98,082	104,120	113,445
Potassium ammonium nitrate	9,780	11,032	11,865	11,874	11,814	12,025
Iceland (a)—						
Ammonium sulphate (<i>N content</i>)	—	700	5,800	6,800	6,800	6,300
Italy—						
Ammonium sulphate	575,799	672,933	727,142	774,597	763,990	901,636
Cyanamide	217,729	194,843	226,613	197,988	121,437	185,635
Nitrate of soda	1,041	1,064	6,996	6,099	5,871	6,489
Nitrate of lime	312,661	357,636	377,228	301,986	296,481	323,082
Nitrate of ammonia	110,541	215,913	r 263,697	r 344,180	371,632	589,314
Di-ammonium phosphate	30,008	33,197	15,705	} 225,025	152,847	n.a.
Ammonium phosphate	13,646	r 54,704	125,392			
Netherlands—						
Nitrogen fertilizers (<i>N content</i>)	244,000	265,000	287,000	(a) 296,400	(a) 324,300	(a) 374,200
Norway—						
Cyanamide	28,260	17,851	2,964	2,465	1,461	13,660
Nitrate of ammonia	5,238	4,970	5,974	5,234	7,530	8,793
Nitrate of lime	871,708	995,443	1,016,873	860,463	1,066,295	1,040,000
Nitrate of soda	3,378	2,090	2,133	3,082	3,608	820
Lime ammonium nitrate	61,769	58,657	65,706	95,603	59,132	63,555
Poland—						
Ammonium sulphate	74,000	80,600	98,800	104,000	107,000	n.a.
Cyanamide	165,400	153,400	173,900	140,800	144,000	n.a.
"Saletrzak"	111,400	190,100	403,300	501,500	380,000	n.a.
Portugal—						
Cyanamide	n.a.	2,121	4,107	9,277	5,067	10,778
Ammonium sulphate	33,042	57,810	78,934	103,052	60,460	131,593
Spain—						
Cyanamide	2,500	8,697	17,021	21,359	5,537	850
Ammonium nitrate	25,371	37,608	r 68,160	73,731	78,165	16,834
Ammonium sulphate	87,604	119,947	141,811	134,523	143,962	38,360
Sweden—						
Compressed ammonia (100%)	12,206	12,121	12,659	r 15,704	n.a.	n.a.
Ammonia (25%)	4,050	4,213	4,024	4,087	n.a.	n.a.
Synthetic nitrogen fertilizer (<i>N content</i>)	28,596	26,042	25,023	26,734	31,597	n.a.
Switzerland (a)—						
<i>N content—</i>						
Cyanamide	2,500	1,800	2,000	1,700	1,500	1,200
Ammonium sulphate	500	400	1,000	1,000	1,400	2,000
Ammonium nitrate	5,000	3,600	5,000	4,400	4,400	5,000
Calcium nitrate	5,400	4,000	3,000	3,000	2,800	2,600
Mixed fertilisers	1,500	1,100	1,000	1,000	—	400
U.S.S.R. (a)—						
Nitrogen fertilizers (<i>N content</i>)	460,000	487,000	547,000	616,000	699,000	738,000
Yugoslavia—						
Ammonium nitrate	—	3,344	16,462	16,521	19,970	22,820
Egypt—						
Nitrate of lime	121,027	156,000	187,900	n.a.	n.a.	n.a.

(a) Years ended June 30 of the year stated.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Mexico (a)—						
Nitrogen fertilizers (N content)	13,200	14,100	14,200	16,200	n.a.	n.a.
United States—						
Sulphate equivalent of ammonia produced (coke-ovens) ..	933,496	792,172	933,749	870,359	905,112	660,036
Actual ammonium sulphate (coke-ovens) ..	844,762	734,659	876,184	788,125	811,520	571,802
Actual ammonium sulphate (synthetic plants)	514,493	842,701	1,047,124	978,377	928,412	976,820
Anhydrous ammonia (synthetic plants) ..	2,042,665	2,443,284	2,903,213	3,016,395	3,334,119	3,420,915
Ammonium nitrate, original	1,391,479	1,683,449	r 1,859,327	r 1,948,712	2,308,935	2,250,861
Brazil (Volta Redonda)—						
Ammonium sulphate ..	4,465	6,126	5,872	6,662	5,731	n.a.
Formosa—						
Cyanamide	72,085	r 70,617	72,841	73,341	73,609	68,843
Ammonium sulphate ..	r 5,747	r 4,909	4,358	6,494	15,117	17,124
Israel (a)—						
Ammonium sulphate ..	—	—	—	n.a.	37,786	58,060
Japan—						
Ammonium sulphate ..	2,000,612	2,151,491	2,095,319	2,285,920	2,441,686	2,569,074
Cyanamide	517,169	511,677	502,814	499,902	398,226	436,574
Ammonium nitrate ..	32,290	37,191	33,695	45,538	46,675	46,273
Ammonium chloride ..	34,640	57,021	62,843	75,235	135,159	137,840
Philippine Republic (a)—						
Ammonium sulphate (N content)	—	6,200	6,700	6,500	8,000	8,000
Turkey—						
Ammonium sulphate ..	4,417	4,169	4,205	4,086	4,323	4,314

(a) Years ended June 30 of that stated.

EXPORTS OF NITROGEN COMPOUNDS
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	1,309	1,198	1,007	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Nitrate of soda ..	1,672	536	165	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Ammonium sulphate ..	393,546	338,758	203,928	24,651	205,804	304,287
Ammonium chloride ..	12,922	14,581	12,802	11,182	9,864	10,626
Ammonium nitrate ..	33,481	9,962	5,814	3,786	2,148	1,181
Ammonium phosphate ..	568	149	118	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Liquid ammonia ..	844	982	997	} 4,566	} 3,939	} 4,507
Anhydrous ammonia ..	3,787	4,054	4,439			
Other nitrogen fertilizers	9,556	6,373	4,296	1,436	1,317	2,023
Canada—						
Ammonium sulphate ..	131,581	138,179	(£3,992,173)	(£4,390,147)	(£3,470,267)	(£3,012,328)
Nitrogen fertilizers ..	304,232	276,922	(£9,219,889)	(£6,133,443)	(£6,759,139)	(£6,266,116)
Hong Kong (re-exports)—						
Nitrate of potash ..	134	84	142	213	320	368
Nitrate of soda ..	15	50	1	—	—	—
Ammonium sulphate ..	137,606	293,849	142,655	95,820	25,073	62,838
Synthetic nitrate ..	4,846	5,192	1,168	85	67	55,105
Ammonium chloride ..	2,134	336	86	118	261	128
India—						
Nitrate of potash ..	40	110	111	148	6	16
Nitrate of soda ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	57	45
Malaya (including re-exports)—						
Nitrates of potash and soda ..	7	9	11	5	4	—
Other nitrogen fertilizers	1,263	2,063	1,463	2,667	1,749	823
Anhydrous ammonia ..	12	8	8	4	8	4
OTHER COUNTRIES						
Austria—						
Ammonium nitrate ..	14	80	—	—	—	—
Anhydrous ammonia ..	206	431	577	1,250	1,602	561
Belgium-Luxemburg E.U.—						
Nitrate of potash ..	91	119	49	21	33	32
Nitrate of soda ..	202	178	56	—	40	68
Nitrate of lime ..	1,373	1	11	—	—	—
Ammonium sulphate ..	542,356	532,121	480,884	579,869	537,145	650,857
Ammonium chloride ..	30	24	70	54	39	19
Ammonium nitrate ..	112,729	114,174	184,810	109,583	134,042	289,443
Ammonium phosphate ..	8,723	13,145	13,942	18,975	28,130	33,917
Cyanamide ..	1,076	1,641	7,992	11,719	8,833	3,160
France—						
Nitrate of potash ..	669	980	1,225	3,418	3,072	2,876
Nitrate of soda ..	3,394	1,518	3,881	1,089	2,075	2,022
Nitrate of lime ..	5,255	12,250	5,484	4,413	5,907	12,485
Ammonium sulphate ..	(a) 63,739	(a) 162,576	(a) 69,556	79,097	118,518	133,514
Ammonium chloride ..	2,511	1,802	1,072	585	466	315
Ammonium nitrate ..	5,190	6,830	6,465	21,382	49,702	124,638
Cyanamide ..	221	908	537	855	226	838
Anhydrous ammonia ..	667	697	383	265	291	264
Germany (Federal)—						
Nitrate of potash ..	5,399	5,372	7,090	6,801	8,476	11,790
Nitrate of soda ..	15,133	21,378	4,964	3,588	4,515	19,214
Nitrate of lime ..	157,705	123,434	99,979	100,712	82,642	84,399
Ammonium nitrates ..	390,999	438,903	570,888	503,630	708,198	682,456
Ammonium chloride ..	4,363	7,470	8,758	8,021	8,967	9,719
Other nitrogen fertilizers	302,511	394,084	502,606	584,248	633,863	929,217

(a) May include some ammonium nitrate.

EXPORTS OF NITROGEN COMPOUNDS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Germany (East)—						
Nitrogen fertilizers (a)	50,056	61,644	81,875	88,206	81,260	94,123
Hungary—						
Nitrogen fertilizers ..	2,329	1,473	17,885	22,228	6,106	50,079
Italy—						
Nitrate of soda	16	11	3	9	33	—
Nitrate of lime	16,768	10,355	16,200	609	—	1,163
Ammonium nitrate	28,310	80,306	98,058	125,981	164,193	256,261
Ammonium sulphate	164,240	141,074	216,721	263,941	236,833	312,959
Cyanamide	48	5,717	5,341	6,410	703	4
Netherlands—						
Nitrate of potash	14	12	18	51	31	65
Nitrate of soda	1	—	16	7	137	530
Nitrate of lime	45,708	51,135	33,286	55,339	48,853	54,582
Ammonium sulphate	278,198	281,141	317,268	305,019	359,905	317,290
Ammonium chloride	28	57	76	17	56	89
Ammonium nitrate	797	—	—	—	1	3
Lime ammonium nitrate	198,758	219,908	155,846	202,834	324,250	331,986
Norway—						
Nitrate of soda	2,793	1,405	2,095	5,328	1,300	1,454
Nitrate of lime	842,488	924,232	869,105	904,658	988,927	906,955
Ammonium nitrate	163	188	191	1,091	559	3,197
Cyanamide	26,497	4,919	—	2	3,405	8,678
Anhydrous ammonia	477	489	753	665	660	n.a.
Portugal—						
Ammonium sulphate	712	2,839	5,597	6,536	8,697	11,305
Spain—						
Ammonium sulphate	—	—	7	10	—	—
Synthetic nitrates	—	—	—	133	103	—
Sweden—						
Ammonium nitrate	12	15	2,972	20	61	1,650
Switzerland—						
Nitrate of potash (crude)	6,801	—	5	18	3,946	2,927
Nitrates of potash and soda (purified)	24	22	105	97	39	1
Ammonium sulphate, etc.	5,963	3,493	579	5,183	2,026	9,058
U.S.S.R.—						
Ammonium nitrate	n.a.	n.a.	57,200	55,800	69,900	87,900
Ammonium sulphate	n.a.	n.a.	57,300	55,300	46,800	66,300
United States—						
Nitrate of soda	21,615	22,604	10,379	3,641	3,197	2,827
Ammonium nitrate	7,308	15,145	69,567	118,790	104,811	80,733
Ammonium sulphate	35,215	180,579	546,792	681,028	698,159	345,391
Other nitrogen fertilizers	41,505	43,635	73,318	75,990	139,228	35,514
Nitrogen phosphatic fertilizers	41,120	76,479	75,810	39,346	71,687	44,234
Anhydrous ammonia	13,499	35,051	39,334	47,611	60,666	59,490
Chile—						
Nitrate of soda	1,173,617	1,486,754	1,234,485	1,140,684	1,180,757	1,109,300
Nitrate of potash	41,124	63,038	66,975	55,305	51,312	54,600
Israel—						
Ammonium sulphate	—	—	—	—	7,234	1,575
Japan—						
Cyanamide	13,838	60,072	33,010	9,948	115	4,282
Ammonium nitrate	3,283	3,849	2,559	984	4,486	6,172
Ammonium chloride	14	1,485	11,003	4,549	16,544	24,542
Ammonium sulphate	491,275	457,317	407,114	469,104	705,616	805,481

(a) N content.

IMPORTS OF NITROGEN COMPOUNDS
(*Less Re-exports*)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	710	927	1,281	2,354	1,205	2,689
Nitrate of soda ..	16,598	13,354	18,754	17,924	20,401	12,891
Cyanamide ..	6,116	2,043	1,480	509	1,369	1,071
Anhydrous ammonia ..	18	36	38	21	11	14
Ammonium sulphate ..	5	—	4	37,474	550	103
Malta—						
Nitrate of soda ..	98	148	—	—	—	—
Ammonium sulphate ..	1,084	1,805	1,309	2,411	1,423	1,734
Ghana—						
Ammonium sulphate ..	<i>n.a.</i>	443	571	1,560	208	619
Kenya—						
Nitrate of soda ..	—	—	124	—	45	—
Other nitrogen fertilizers	2,365	3,935	8,097	8,321	9,122	5,386
Mauritius—						
Nitrate of potash ..	} 25,015	} 23,783	} 26,909	} 37,485	} 29,787	} 26,487
Nitrate of soda ..						
Ammonium chloride ..						
Ammonium sulphate ..						
Nigeria—						
Ammonium sulphate ..	<i>n.a.</i>	4,390	4,177	3,717	502	2,145
Other nitrogen fertilizers	<i>n.a.</i>	5	571	223	510	200
Northern Rhodesia—						
Nitrates ..	95	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Ammonium compounds	903	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Southern Rhodesia—						
Nitrates (incl. fertilizers)	4,404	(<i>b</i>) 2,713	(<i>b</i>) 4,515	(<i>b</i>) 113	(<i>b</i>) 139	(<i>b</i>) 189
Anhydrous ammonia ..	33	(<i>b</i>) 1,112	(<i>b</i>) 855	(<i>b</i>) 241	(<i>b</i>) 240	(<i>b</i>) 218
Ammonium compounds	<i>n.a.</i>	(<i>b</i>) 20,125	(<i>b</i>) 36,735	(<i>b</i>) 34,281	(<i>b</i>) 55,014	(<i>b</i>) 27,161
Ammonium sulphate ..	<i>n.a.</i>					
Tanganyika—						
Synthetic nitrate of soda, calcium and ammonia	10	} 1,423	} 2,228	} 2,564	} 3,938	} 2,301
Other nitrogen fertilizers	—					
Uganda—						
Nitrogen fertilizers ..	724	761	2,247	3,931	2,294	2,803
Union of South Africa—						
Nitrate of potash ..	138	128	168	182	243	195
Nitrate of soda ..	2,380	705	1,102	1,260	1,004	803
Ammonium sulphate ..	34,769	62,872	84,529	40,259	53,328	45,138
Ammonium chloride ..	366	410	576	760	1,039	2,192
Ammonium nitrate ..	22,137	15,057	9,403	518	2	6
British Guiana—						
Ammonium sulphate ..	10,855	11,731	11,967	17,758	17,648	17,755
British Honduras—						
Nitrogen fertilizers ..	26	539	268	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
British West Indies—						
Barbados—						
Nitrate of soda ..	—	—	10	35	—	—
Ammonium sulphate	9,682	9,365	10,779	11,933	16,721	8,657
Jamaica—						
Nitrogen fertilizers	17,489	20,247	18,852	22,197	18,434	23,699
St. Vincent—						
Ammonium sulphate	265	544	490	391	793	785
Trinidad and Tobago—						
Ammonium sulphate	8,615	12,204	13,504	19,270	13,097	13,431
Canada—						
Nitrate of potash ..	539	442	554	487	467	607
Nitrate of soda ..	17,904	16,044	19,131	24,580	22,855	20,293
Ammonium sulphate ..	18,977	12,591	6,276	2,807	2,936	5,261

(*a*) See under Southern Rhodesia.

(*b*) Federation of Rhodesia and Nyasaland.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Canada (cont.)—						
Ammonium chloride ..	339	396	554	618	853	520
Ammonium nitrate ..	718	767	741	620	93	26
Anhydrous ammonia ..	7,502	24,124	20,796	15,867	24,165	15,308
Other nitrogen fertilizers	n.a.	942	334	203	28	36
Ceylon—						
Ammonium sulphate ..	77,428	89,601	99,788	97,526	121,398	97,638
Cyanamide	403	363	251	171	244	58
Cyprus—						
Ammonium sulphate ..	6,750	4,878	10,035	13,013	16,049	17,529
Ammonium chloride ..	6	6	4	4	5	—
Other nitrogen fertilizers	3,108	5,526	5,040	6,924	12,391	8,076
Hong Kong (a)—						
Nitrate of potash ..	251	362	564	664	595	1,079
Nitrate of soda ..	310	—	—	—	—	—
Ammonium sulphate ..	108,185	306,892	149,300	95,127	25,663	60,602
Synthetic nitrates ..	6,189	4,862	1,572	754	449	65,281
Ammonium chloride ..	1,675	107	394	584	892	909
India—						
Nitrate of soda ..	9,794	8,444	8,390	663	17,193	7,528
Ammonium sulphate ..	77,824	83	15,597	73,334	84,110	182,535
Ammonium phosphate	300	—	300	—	10	47
Ammonium chloride ..	4,123	4,293	2,643	1,280	330	257
Anhydrous ammonia ..	101	81	98	83	n.a.	n.a.
Other nitrogen fertilizers	4,300	2,119	2,991	4,013	634	15,400
Malaya (a)—						
Nitrogen fertilizers ..	24,546	42,820	51,604	55,805	79,306	72,425
Anhydrous ammonia ..	1,860	2,014	3,044	2,186	1,984	1,895
North Borneo—						
Ammonium sulphate ..	n.a.	198	246	446	366	320
Other nitrogen fertilizers	n.a.	8	30	8	27	1
Pakistan—						
Nitrate of soda .. (b)	30	(b) 5	(b) —	5	—	—
Ammonium sulphate .. (b)	92	(b) —	(b) 3	300	(d) 145,426	n.a.
Ammonium chloride .. (b)	13	(b) 97	(b) 25	—	28	8
Anhydrous ammonia .. (b)	182	(b) 151	(b) 64	30	96	34
Sarawak—						
Ammonium sulphate ..	n.a.	663	802	1,829	1,735	1,239
Other nitrogen fertilizers	n.a.	23	31	106	29	158
Australia (c)—						
Nitrate of potash ..	174	272	297	368	347	470
Nitrate of soda ..	7,855	6,963	11,714	14,102	11,219	14,430
Ammonium chloride ..	19	52	114	3	2	104
Ammonium sulphate ..	384	11,187	35,056	9,466	28,251	20,945
Ammonium nitrate ..	1	1,144	1,222	2,475	1,566	461
Other nitrogen fertilizers	22	72	260	386	17	2,121
New Zealand—						
Nitrate of potash ..	79	29	98	87	74	138
Nitrate of soda ..	3,427	3,103	5,863	5,113	2,911	3,203
Ammonium sulphate ..	2,782	4,583	5,716	4,454	4,988	6,264
Ammonium chloride ..	227	278	348	296	282	269
Ammonium nitrate ..	12	410	n.a.	n.a.	n.a.	n.a.
Anhydrous ammonia ..	47	40	46	86	63	54
Cyanamide	2,211	5,317	—	—	—	49
Fiji—						
Ammonium sulphate ..	4,333	5,368	n.a.	n.a.	n.a.	n.a.

(a) Total imports.

 (b) Years ended March 31 following that stated.
 Excluding F.O.A. supplies.

(c) Years ended June 30 of that stated.

(d) Including purchases on Government account.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
Irish Republic—						
Nitrate of potash ..	147	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Nitrate of soda ..	100	2,288	4,493	3,439	3,989	4,001
Ammonium sulphate ..	51,475	47,723	59,647	55,840	62,082	70,195
Anhydrous ammonia ..	58	57	56	63	68	95
Other nitrogen fertilizers	4,725	8,488	9,504	11,046	14,909	17,730
OTHER COUNTRIES						
Austria—						
Nitrate of lime ..	2,067	2,068	1,230	1,040	2,356	1,871
Nitrate of potash ..	221	341	381	274	252	264
Cyanamide ..	884	930	1,399	1,040	1,618	1,844
Ammonium chloride ..	75	24	12	20	21	14
Belgium-Luxemburg						
E.U.—						
Nitrate of potash ..	1,176	1,102	1,741	1,651	1,731	1,962
Nitrate of soda ..	21,715	41,406	30,166	35,655	43,163	22,808
Nitrate of lime ..	3,361	863	820	1,455	1,713	1,309
Cyanamide ..	80	62	94	207	219	292
Ammonium sulphate ..	31,886	5,379	4,883	16,728	6,103	3,938
Ammonium chloride ..	1,050	2,449	2,294	1,797	2,021	1,359
Ammonium nitrate ..	44,850	1,856	1,290	9,515	5,004	15,876
Anhydrous ammonia ..	2,162	9,850	12,638	17,604	666	252
Czechoslovakia—						
Nitrogen fertilizers (a)	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	31,000	17,000	13,000
Denmark—						
Nitrate of potash ..	692	972	742	949	913	956
Nitrate of soda ..	14,912	25,633	18,335	26,179	26,168	8,928
Nitrate of lime ..	436,634	478,991	414,747	539,145	609,616	577,033
Ammonium sulphate ..	109	7,293	9,861	15,178	8,453	11,043
Ammonium chloride ..	938	636	550	914	730	575
Ammonium nitrate ..	32,601	25,063	7,648	24,497	10,759	12,326
Cyanamide ..	143	73	—	30	142	110
Finland—						
Nitrate of potash ..	67	99	132	43	114	115
Nitrate of soda ..	464	658	361	199	80	352
Nitrate of lime ..	32,496	28,588	35,874	48,198	19,144	29,393
Ammonium nitrate ..	25,284	38,771	18,331	3,780	3,161	4,534
Ammonium sulphate ..	24,496	31,154	31,710	55,681	56,945	50,254
Ammonium chloride ..	219	260	273	580	512	300
France—						
Nitrate of soda ..	84,660	138,665	102,819	88,644	92,847	99,229
Nitrate of lime, etc. ..	—	—	9,818	4,905	51	65
Ammonium sulphate .. (b)	2,981	(b) 25,952	(b) 75,158	1,021	520	1,982
Ammonium nitrate ..	7,985	19,024	2,275	10,679	151	161
Ammonium chloride ..	938	1,402	1,995	2,552	1,768	2,093
Anhydrous ammonia ..	374	1,222	2,138	8,991	4,558	316
Cyanamide ..	—	—	1,022	16,600	13,881	14,781
Germany (Federal)—						
Nitrate of potash ..	49	157	207	304	79	295
Nitrate of soda ..	5,449	27,937	28,482	32,833	11,411	20,543
Greece—						
Nitrate of potash ..	43	179	188	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Nitrate of soda ..	679	44,626	7,166	2,184	776	17,674
Ammonium nitrate ..	3,100	12,172	20,330	33,591	15,984	86,689
Ammonium sulphate ..	65,577	82,294	75,624	60,103	142,928	202,263
Other nitrogen fertilizers	26,576	27,721	24,397	35,803	17,565	20,941
Hungary—						
Nitrogen fertilizers ..	14,728	71,288	27,837	31,936	166,941	134,628
Iceland—						
Nitrate of lime ..	—	5	20	20	25	44
Lime ammonium nitrate	13,780	13,385	—	—	—	—
Nitrophoska ..	1,083	1,292	2,297	492	1,033	1,230

(a) N content.

(b) May include some ammonium nitrate.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Italy—						
Nitrate of potash ..	1,038	1,034	807	874	886	638
Nitrate of soda ..	41,794	50,586	44,469	42,276	44,507	45,933
Nitrate of lime ..	5,437	—	—	—	3,789	6,552
Ammonium chloride ..	589	1,065	1,022	854	347	766
Ammonium nitrate ..	5,470	2,379	2	156	3,437	3,448
Ammonium sulphate ..	1,446	1,506	2	984	615	3,248
Cyanamide ..	1,476	—	—	—	—	15
Netherlands—						
Nitrate of potash ..	1,075	1,461	1,718	2,400	1,827	1,470
Nitrate of soda ..	14,578	38,267	28,836	17,240	11,457	36,267
Nitrate of lime ..	15	39	31	—	—	—
Ammonium sulphate ..	6,818	7,876	3,169	12,119	265	1,045
Ammonium chloride ..	906	1,207	1,603	1,009	1,077	1,254
Ammonium nitrate ..	1	2	1	1,674	7,390	9,707
Ammonium phosphates	36	52	42	5,886	5,644	10,563
Lime ammonium nitrate	110,096	115,040	33,442	20,310	48,834	6,478
Cyanamide ..	7,028	5,313	2,404	1,169	6,447	3,062
Other nitrogen fertilizers	2,044	8,512	9,753	8,176	5,279	22,950
Norway—						
Nitrate of potash ..	129	199	104	194	258	155
Ammonium sulphate ..	156	145	196	—	246	246
Anhydrous ammonia ..	—	2	1	8,798	48,883	n.a.
Portugal—						
Nitrate of potash ..	280	353	316	391	309	415
Nitrate of soda ..	22,645	38,364	23,093	22,169	3,118	17,145
Nitrate of lime ..	1,067	2,669	3,291	1,304	12,018	14,886
Ammonium sulphate ..	79,427	138,515	57,297	44,667	122,420	84,999
Ammonium chloride ..	56	60	110	105	120	133
Ammonium nitrate ..	5,936	2,747	2,458	3,527	3,182	4,003
Cyanamide ..	6,751	6,011	7,297	1,264	1,947	486
Lime ammonium nitrate	25,000	37,507	33,076	45,129	49,086	68,794
Nitrophoska ..	2,664	3,489	3,435	3,881	7,130	6,625
Anhydrous ammonia ..	406	289	150	124	106	85
Spain—						
Nitrate of soda ..	142,412	151,953	99,041	155,415	103,714	158,308
Cyanamide ..	—	—	1	—	—	—
Ammonium sulphate ..	122,793	201,095	340,346	348,636	347,836	455,143
Synthetic nitrates ..	63,176	81,947	130,533	149,512	133,050	173,492
Sweden—						
Nitrate of potash ..	636	700	776	924	839	801
Nitrate of soda ..	23,713	36,226	53,653	25,146	42,076	29,050
Nitrate of lime ..	247,864	294,364	264,572	324,503	334,302	309,142
Ammonium nitrate ..	22	106	175	1,478	571	1,143
Ammonium sulphate ..	1,782	2,204	3,967	9,503	11,064	12,213
Ammonium chloride ..	671	1,135	965	892	878	1,002
Cyanamide ..	4,862	—	—	—	—	5
Switzerland—						
Nitrate of potash, crude	99	1	295	16	—	169
Nitrates of potash and soda, purified ..	661	475	697	811	641	769
Ammonium sulphate, etc. ..	558	542	49	35	96	328
Ammonium chloride ..	360	606	814	702	640	630
Yugoslavia—						
Nitrate of potash ..	1	1,080	—	39	—	10
Nitrate of soda ..	5,843	10,521	9,693	21,076	—	—
Ammonium sulphate ..	8,061	8	—	—	—	34,095
Ammonium nitrate ..	n.a.	n.a.	n.a.	n.a.	n.a.	10,067
Lime ammonium nitrate	4,441	76,105	113,573	159,250	275,121	356,017

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Algeria—						
Nitrate of potash ..	13	21	11	377	181	241
Nitrate of soda ..	459	909	1,224	842	1,358	1,619
Nitrate of lime ..	3,279	4,680	4,108	3,035	4,181	5,812
Ammonium chloride ..	150	1,028	959	539	438	212
Ammonium sulphate ..	16,937	20,619	23,444	12,644	18,635	21,956
Ammonium nitrate ..	3,957	5,035	5,510	11,852	17,142	26,074
Cyanamide ..	89	430	138	203	39	113
Angola—						
Ammonium sulphate ..	837	1,835	3,091	2,225	2,953	9,922
Belgian Congo—						
Ammonium chloride ..	<i>n.a.</i>	<i>n.a.</i>	16	61	72	85
Nitrogen fertilizers ..	<i>n.a.</i>	2,481	2,716	3,224	4,509	4,186
Canary Islands—						
Ammonium sulphate ..	24,844	38,014	50,913	46,229	49,602	58,506
Egypt—						
Nitrate of soda ..	171,428	96,288	35,382	89,530	43,364	57,492
Nitrate of lime ..	236,702	186,218	165,481	7,012	11,478	10,051
Ammonium sulphate ..	28,846	r 81,531	r 83,421	91,081	151,582	160,182
Ammonium chloride ..	433	565	539	505	661	1,364
Ammonium nitrate ..	66,896	r 125,667	127,835	182,771	360,833	440,983
Ammonium sulpho-nitrate ..	12,459	r 23,040	31,494	9,596	40,071	30,514
Madagascar—						
Nitrogen fertilizers ..	1,878	2,314	1,824	2,740	3,151	3,386
Morocco—						
Nitrate of potash ..	293	324	405	17	9	111
Nitrate of soda ..	40	225	275	245	583	640
Nitrate of lime ..	1,604	2,029	1,722	855	1,010	1,154
Ammonium nitrate ..	580	1,690	987	6,328	6,352	12,450
Ammonium sulphate ..	9,545	15,527	19,869	7,883	7,358	12,130
Reunion—						
Ammonium sulphate ..	6,098	7,374	6,004	8,019	8,261	7,712
Sudan—						
Synthetic nitrate of soda, calcium and ammonia	16,646	18,426	13,180	4,164	8,525	10,585
Other nitrogen fertilizers	1,924	7	14,253	18,695	28,559	26,518
Tunisia—						
Nitrate of potash ..	70	19	148	22	79	98
Nitrate of soda ..	302	171	265	744	541	258
Nitrate of lime etc. ..	93	221	216	—	39	186
Ammonium nitrate ..	—	10	217	1,051	3,876	8,053
Ammonium sulphate, etc.	1,612	2,771	2,476	1,109	1,644	2,708
Costa Rica (a)—						
Nitrogen fertilizers ..	<i>n.a.</i>	<i>n.a.</i>	9,093	10,076	12,504	13,634
Cuba (a)—						
Nitrate of potash ..	8,262	3,883	5,357	16,205	10,304	<i>n.a.</i>
Nitrate of soda ..	814	2,481	4,990	5,459	5,862	<i>n.a.</i>
Ammonium nitrate ..	2	65	63	164	211	<i>n.a.</i>
Ammonium sulphate ..	8,825	21,763	28,712	38,265	57,503	<i>n.a.</i>
Anhydrous ammonia ..	790	97	356	3,608	12,127	<i>n.a.</i>
Dominican Republic (a)—						
Ammonium sulphate ..	<i>n.a.</i>	3,897	7,419	7,901	21,385	13,387
Honduras—						
Nitrogen fertilizers ..	<i>n.a.</i>	<i>n.a.</i>	7,749	15,318	14,055	12,315
Mexico (a)—						
Nitrate of soda ..	9,352	15,119	9,532	10,462	14,433	9,698
Ammonium chloride ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	795	535	596
Ammonium sulphate ..	23	8,108	41,202	34,306	8,094	9,194
Ammonium nitrate ..	4,046	10,121	24,528	34,120	33,118	41,372
Anhydrous ammonia ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	15,741	16,028	26,038

(a) Total imports.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Nicaragua (a)—						
Nitrate of soda ..	—	422	658	144	—	494
United States—						
Nitrates of potash and soda, crude ..	11,175	11,811	17,232	17,367	22,672	20,989
Nitrate of potash ..	15,131	1,428	2,089	2,114	2,011	2,314
Nitrate of soda ..	507,922	653,152	548,380	446,439	522,272	398,304
Nitrate of lime ..	60,530	61,283	50,323	58,296	53,621	78,970
Ammonium sulphate ..	467,730	272,332	154,570	176,473	147,079	166,858
Ammonium chloride ..	1,901	1,560	1,694	2,330	2,234	2,781
Ammonium nitrate ..	681,590	468,695	361,827	390,696	315,004	299,358
Ammonium phosphates	148,658	146,547	209,396	170,155	151,313	141,726
Cyanamide ..	73,409	75,188	72,954	59,987	51,721	51,191
Argentina—						
Nitrate of potash ..	370	504	826	—	—	—
Nitrate of soda ..	7,183	20,405	27,576	20,859	23,765	41,194
Ammonium sulphate ..	6,346	10,889	11,517	13,405	21,807	19,397
Brazil (a)—						
Nitrate of potash ..	177	2,055	869	1,345	909	494
Nitrate of soda ..	77,736	43,750	49,713	41,956	49,746	49,775
Nitrate of potash and soda ..	—	—	20,761	15,815	11,379	—
Ammonium chloride ..	489	1,099	625	691	502	1,088
Ammonium nitrate ..	4,473	10,439	11,850	8,341	14,499	18,211
Ammonium sulphate ..	21,164	23,215	28,237	47,156	55,153	88,357
Cyanamide ..	—	71	181	58	139	253
Other nitrogen fertilizers	755	r 2,998	r 2,073	r 7,082	r 4,591	14,961
Anhydrous ammonia ..	10	16	—	2	1	1
Chile—						
Ammonium chloride ..	178	281	464	n.a.	n.a.	n.a.
Ammonium sulphate ..	54	480	511	n.a.	n.a.	n.a.
Ammonium nitrate ..	4,371	1,116	3,381	4,406	3,342	n.a.
Anhydrous ammonia ..	32	51	85	n.a.	n.a.	n.a.
Colombia—						
Nitrate of potash ..	263	273	326	304	267	283
Nitrate of soda ..	612	1,857	335	611	394	143
Ammonium chloride ..	58	113	99	218	246	145
Ammonium sulphate ..	2,706	3,472	4,791	5,996	2,987	4,871
Other nitrogen fertilizers	5,454	10,198	7,819	12,638	28,410	15,216
Anhydrous ammonia ..	80	83	135	104	140	133
Ecuador—						
Nitrogen fertilizers ..	760	2,302	2,222	2,115	5,203	3,343
Peru—						
Nitrate of potash ..	41	55	52	58	66	n.a.
Nitrate of soda ..	7,063	6,710	16,852	9,382	15,334	n.a.
Anhydrous ammonia ..	106	171	173	167	194	n.a.
Other nitrogen fertilizers	18,303	20,921	20,642	18,462	43,766	n.a.
Uruguay—						
Nitrate of potash ..	571	n.a.	n.a.	n.a.	595	914
Nitrate of soda ..	1,808	n.a.	n.a.	n.a.	907	2,084
Ammonium sulphate ..	1,443	n.a.	n.a.	n.a.	10,133	8,974
Venezuela (a)—						
Nitrate of potash ..	213	289	557	330	126	51
Nitrate of soda ..	986	568	809	771	362	545
Ammonium sulphate ..	2,492	3,399	9,421	6,765	17,645	14,880
Cyanamide ..	1,021	81	—	855	—	—
Formosa—						
Nitrate of soda ..	767	1,244	768	1,263	913	545
Ammonium sulphate ..	120,474	286,283	252,638	247,046	180,625	418,679
Other nitrogen fertilizers	45,605	544	492	984	1,230	6,070

(a) Total imports.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
(cont.)						
Indo-China—						
Ammonium phosphate ..	68	907	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Ammonium sulphate ..	10,038	13,113	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Indonesia—						
Nitrate of potash ..	26	17	101	244	199	142
Nitrate of soda ..	153	294	398	220	163	202
Ammonium chloride ..	238	291	224	223	509	389
Ammonium sulphate ..	66,701	73,306	100,237	122,484	148,173	106,871
Anhydrous ammonia ..	1,761	1,255	1,686	1,386	1,333	809
Other nitrogen fertilizers	787	1,773	922	3,272	1,465	1,736
Israel—						
Ammonium sulphate ..	18,203	42,162	36,377	30,255	295	—
Nitrogen fertilizers ..	2,848	12,961	5,979	11,003	3,848	7,944
Japan—						
Nitrate of soda ..	6,658	8,883	7,759	9,246	11,909	13,578
Ammonium sulphate ..	—	—	—	101	536	—
Jordan—						
Nitrogen fertilizers ..	<i>n.a.</i>	950	<i>n.a.</i>	2,036	488	1,275
Korea—						
Ammonium sulphate ..	(b) 374,562	(b) 154,445	63,700	26,481	8,431	471,998
Ammonium nitrate ..	(b) 67,455	(b) 18,634	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	32,434
Lebanon—						
Nitrogen fertilizers ..	18,763	20,309	20,939	27,574	25,191	22,337
Philippine Republic—						
Nitrate of potash ..	37	78	1,803	59	1,482	105
Nitrate of soda ..	43	2	—	33	—	—
Ammonium phosphate ..	46,778	23,706	13,487	11,247	39,840	2,781
Ammonium sulphate ..	56,088	23,880	49,304	32,302	50,241	19,643
Syria—						
Nitrogen fertilizers ..	7,421	11,628	20,364	16,116	13,877	24,198
Thailand (a)—						
Nitrate of potash ..	<i>n.a.</i>	<i>n.a.</i>	394	547	1,052	823
Ammonium chloride ..	<i>n.a.</i>	<i>n.a.</i>	139	280	361	513
Ammonium sulphate ..	<i>n.a.</i>	<i>n.a.</i>	3,463	15,185	21,108	17,351
Other nitrogen fertilizers	<i>n.a.</i>	<i>n.a.</i>	14,041	195	1,007	2,158
Turkey—						
Nitrate of soda ..	488	1,477	125	2,988	1,588	440
Ammonium chloride ..	382	103	306	160	122	372
Ammonium sulphate ..	—	2	4	39,593	38,599	32,183
Ammonium nitrate ..	492	10	410	2,308	915	4,516

(a) Total imports.

(b) Including "Civilian Relief in Korea" supplies.

PETROLEUM AND ALLIED PRODUCTS

PRODUCTION OF CRUDE PETROLEUM*

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Crude petroleum	54,800	59,100	53,600	66,100	82,000	79,900
Shale oil	104,100	99,600	96,700	77,600	71,100	63,400
Nigeria (b)	—	—	—	—	1,200	270,000
Union of South Africa						
Shale oil (a)	38,403	34,613	36,337	36,798	24,850	23,948
Canada (b)	r10,786,520	r12,810,713	r17,258,700	r22,930,855	24,208,391	22,069,261
Trinidad (b)	3,192,275	3,375,618	3,556,544	4,132,681	4,866,278	5,336,437
Bahrain Islands (d)	1,482,967	1,456,600	1,489,100	1,478,400	1,593,000	2,004,000
British Borneo—						
Brunei	4,803,603	4,712,241	5,133,440	5,547,433	5,458,923	5,089,492
Sarawak	49,057	70,190	65,614	70,616	65,906	56,902
India	267,245	301,834	341,098	374,100	421,769	n.a.
Pakistan	r 252,970	r 277,530	r 295,340	r 302,550	314,240	324,600
Kuwait (d)	42,529,558	46,969,415	53,894,068	54,117,349	56,375,946	69,117,138
Qatar (d)	3,997,926	4,704,423	5,361,779	5,783,812	6,504,814	8,091,813
New Zealand	1,135	979	814	1,000	838	784
TOTAL	r67,560,600	r74,872,900	r87,583,100	r94,919,300	99,989,000	112,900,000
OTHER COUNTRIES						
Albania	200,000	230,000	259,000	(c) 262,000	(c) 482,000	570,000
Austria	3,170,064	3,377,582	3,608,211	3,373,351	3,135,286	2,791,599
Bulgaria	—	5,000	148,000	242,892	280,000	218,000
Czechoslovakia	(c) 192,000	(c) 198,000	(c) 200,000	106,000	106,000	138,000
France	360,546	500,000	861,900	r 1,242,880	1,392,500	1,367,700
Germany (Federal)	2,154,135	2,624,000	3,097,000	3,451,000	3,897,000	4,362,000
Hungary	833,000	1,198,000	1,576,000	1,183,000	663,000	816,000
Italy	83,941	71,057	200,350	r 559,773	1,241,616	1,510,152
Netherlands	806,977	922,231	1,008,000	1,079,543	1,499,269	1,594,000
Poland	r 185,800	180,800	177,000	180,800	177,700	172,200
Roumania	8,914,550	9,587,244	10,388,782	10,747,993	11,003,713	11,157,266
U.S.S.R.	51,943,000	58,345,000	69,675,000	82,482,000	96,787,000	111,000,000
Yugoslavia	169,995	212,856	253,143	289,041	389,313	454,859
Algeria	88,332	72,900	53,964	33,010	18,704	448,916
Angola	—	—	—	8,246	9,882	49,833
Egypt	2,314,111	1,938,978	1,792,640	1,799,000	2,299,000	3,120,000
French Equatorial Africa					173,500	497,000
Morocco	100,990	116,085	100,838	95,913	73,910	73,153
Cuba	21,000	14,000	50,000	69,000	56,000	45,000
Mexico (b)	10,046,000	11,782,000	12,591,900	12,802,000	12,496,000	13,174,000
United States (b)	322,887,900	317,121,600	340,332,600	r358,531,900	358,479,600	335,457,100
Argentina	4,039,000	4,171,000	4,324,564	4,852,600	4,781,345	5,020,000
Bolivia	60,300	156,000	354,000	420,200	470,100	451,700
Brazil	123,194	133,517	271,993	539,264	1,300,009	2,434,000
Chile	161,480	222,700	331,000	455,000	556,000	715,000
Colombia (b)	5,553,586	5,631,059	5,593,046	6,215,631	6,442,880	6,605,735
Ecuador	395,250	419,524	479,883	455,676	425,093	409,718

*Excluding Natural Gasoline. See page 230.

(a) Years ended June 30 of that stated.

(b) The following conversion rates have been used: 35 gallons=1 barrel, and the undermentioned barrels=1 ton—Nigeria 7.3, Canada 7.5, Trinidad 7.0, Burma 7.4, India 7.4, Pakistan 7.0, Cuba 7.5, Mexico 7.1, United States 7.3, Bolivia 7.6, Colombia 7.1, Ecuador 7.5, Venezuela 6.95, Indonesia 7.5.

(c) Estimated.

(d) British Protected State.

PRODUCTION OF CRUDE PETROLEUM (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Peru	r 2,092,166	r 2,243,702	2,265,317	r 2,502,812	2,523,040	2,460,000
Venezuela	92,623,000	99,462,000	113,205,000	129,279,000	146,753,000	136,697,000
Burma	127,765	178,460	215,193	245,776	399,779	469,321
China (a) (e)	618,000	776,000	950,000	1,156,000	1,440,000	2,210,000
Formosa	2,350	4,620	3,110	2,790	2,310	1,980
Indonesia	10,063,826	10,604,957	11,604,063	12,592,104	15,230,000	15,850,000
Iran	a 1,140,000	a 2,700,000	b15,772,000	b25,934,000	b34,765,000	b39,780,000
Iraq	27,740,366	30,146,447	33,149,233	30,820,078	21,558,279	35,128,861
Israel	—	—	—	27,000	57,000	100,439
Japan	294,000	297,000	312,000	308,000	318,000	361,000
Netherlands New Guinea (c)	237,000	491,200	477,954	357,632	326,486	262,782
Saudi Arabia	40,887,754	46,136,583	46,784,693	47,935,041	48,229,690	49,399,006
Turkey	26,126	58,000	175,774	300,789	293,430	322,700
Neutral Zone (d)	—	833,000	1,250,000	1,650,000	3,275,000	4,190,000
TOTAL	591,000,000	r613,200,000	683,900,000	r744,600,000	783,800,000	792,000,000
WORLD'S TOTAL	658,000,000	r688,100,000	r771,500,000	r839,500,000	883,800,000	905,000,000

(a) Estimated.

(b) 1954 Oil Agreement Area only.

(c) Exports.

(d) Neutral Zone of Kuwait and Saudi Arabia.

(e) Including oil from shale and coal.

PRODUCTION OF NATURAL GASOLINE

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Canada	68,451	76,541	97,335	102,696	107,714	107,181
Trinidad (a)	30,017	32,991	31,093	29,295	34,817	26,196
Brunei	—	—	56,131	61,395	69,668	71,508
OTHER COUNTRIES						
Italy	49,771	56,728	r 55,898	61,705	64,894	63,923
Poland	17,200	20,000	20,100	19,200	18,300	n.a.
Egypt	5,951	5,226	5,689	5,500	6,100	n.a.
Mexico	n.a.	192,672	192,700	n.a.	n.a.	n.a.
United States	27,378,000	28,933,000	32,288,000	r33,592,000	33,851,000	33,313,000
Argentina	10,806	9,351	8,280	8,857	9,018	n.a.
Colombia	91,615	127,035	148,069	147,034	142,788	144,322
Ecuador	16,046	18,295	19,664	19,410	18,849	18,033
Peru	r 118,497	109,806	r 106,174	r 109,384	106,094	n.a.
Venezuela	361,000	359,000	404,000	430,000	436,515	503,629
Formosa	707	594	433	393	367	259
WORLD'S TOTAL (b)	28,200,000	29,900,000	33,400,000	r34,800,000	35,100,000	35,000,000

(a) Incomplete, as about half the production is blended with crude petroleum at field storage.

(b) Totals refer only to those countries reported above.

PRODUCTION OF NATURAL GAS*

Million cubic feet

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Barbados	151	122	133	125	108	98
Canada	100,986	120,735	150,772	169,153	220,007	337,996
Trinidad	34,597	38,494	40,860	51,742	65,418	79,191
Brunei	2,076	2,404	2,713	2,890	2,671	2,609
Pakistan	—	—	r 1,376	r 10,441	15,349	19,308
New Zealand	6	5	5	8	7	5
OTHER COUNTRIES						
Austria	19,586	22,078	27,058	26,307	26,786	28,967
Czechoslovakia	5,930	6,064	6,106	9,687	27,260	n.a.
France	8,799	9,147	9,401	11,696	19,832	36,910
Germany (Federal)	3,657	5,303	10,905	16,281	16,377	16,587
Hungary	19,317	19,635	19,176	17,022	14,436	13,258
Italy	80,506	104,784	128,090	r 157,684	176,110	182,840
Poland	11,261	12,649	13,889	15,411	14,800	13,564
Roumania	123,550	130,665	138,116	n.a.	n.a.	n.a.
U.S.S.R. (a)	r 242,542	r 265,249	r 317,162	r 426,214	713,000	1,050,000
Yugoslavia	2,581	3,183	1,946	2,424	1,466	1,630
Morocco	151	290	265	258	119	65
Tunisia	n.a.	n.a.	156	205	213	206
Mexico	93,231	94,079	120,353	124,591	162,307	212,000
United States	8,396,916	8,742,546	9,405,351	10,081,923	10,680,258	11,030,248
Argentina	32,881	34,767	37,389	24,519	30,213	n.a.
Brazil	941	2,240	2,185	2,962	5,550	10,610
Colombia	17,092	19,247	19,070	22,036	n.a.	n.a.
Peru	n.a.	n.a.	35,694	n.a.	44,272	n.a.
Venezuela (b)	730,212	767,074	858,434	976,329	1,134,411	1,112,987
Burma	n.a.	n.a.	n.a.	231	225	325
Formosa	1,092	1,026	1,007	1,056	1,105	981
Indonesia	49,356	56,343	67,948	72,825	77,000	73,700
Japan	3,902	4,979	5,492	6,244	8,604	12,991
Saudi Arabia	48	42	44	n.a.	n.a.	n.a.

*So far as possible the figures represent only that part of the gas produced which is actually utilized.

NOTE.—Production and shipments of helium in the United States were as follows (million cubic feet)
 Production: 1953—161; 1954—191; 1955—221; 1956—244; 1957—291; 1958—334.

Shipments: 1953—158; 1954—190; 1955—236; 1956—267; 1957—310; 1958—352.

(a) Probably includes artificial gas obtained as a by-product of processing coal and shale.

(b) Total production. The amounts actually utilized were as follows: 1953—170,754; 1954—209,572; 1955—n.a.; 1956—n.a.; 1957—n.a.; 1958—n.a.

PRODUCTION OF ASPHALT ROCK

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
France	84,319	77,570	80,861	78,465	69,972	86,000
Germany (Federal)	127,157	136,139	125,331	112,356	96,141	n.a.
Italy	237,271	338,168	r 375,612	383,586	327,740	276,031
Angola	16,967	19,465	17,022	18,587	21,181	34,175
Belgian Congo	734	226	—	—	—	—
United States (a)	1,286,200	1,194,484	1,274,292	r 1,302,262	1,043,310	1,184,369
Philippine Republic	9,793	2,929	3,199	671	1,081	2,445
Syria	r 12,901	r 28,740	r 28,120	r 42,351	20,529	n.a.

(a) Sales.

PRODUCTION OF NATURAL ASPHALT, ETC.

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Trinidad	143,243	142,101	136,729	141,127	135,939	133,042
OTHER COUNTRIES						
Albania	50,000	n.a.	n.a.	n.a.	n.a.	n.a.
Spain	7,097	10,790	6,341	10,300	11,158	8,645
United States (a)— Gilsonite	54,022	67,806	73,948	79,467	185,450	283,286
Argentina— Grahamite ("Rafaelite") (b)	955	1,207	1,627	1,214	1,393	1,832
Impsonite	11,705	r 14,269	r 10,279	9,544	25,365	n.a.
Iraq	n.a.	n.a.	12,710	n.a.	91,731	n.a.

NOTE.—This table is necessarily incomplete owing to the fact that official statistics of production of natural asphalt are published by only a few countries.

(a) Sales.

(b) Exports.

PRODUCTION OF OIL-SHALE

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain	1,385,665	1,356,218	1,336,093	1,053,835	902,062	741,829
Union of South Africa (a)	276,296	257,407	274,459	256,942	n.a.	145,486
OTHER COUNTRIES						
Austria	942	1,038	841	707	694	320
France	308,000	243,976	214,360	143,869	40,538	2,500
Spain	189,119	234,071	486,669	588,337	728,231	760,925
Sweden (b)	1,901,744	1,793,034	1,829,070	1,823,214	1,844,214	n.a.

NOTE.—Oil-shale is known to have been produced in Germany, U.S.S.R. and Manchuria.

(a) Torbanite. Years ended June 30 of that stated.

(b) Alum shale.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES*

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a)—						
Aviation and motor spirit	6,311,700	7,221,100	7,220,000	7,215,000	5,693,000	6,751,000
Other spirit	244,900	279,700	295,000	253,000	236,000	144,000
Kerosine	538,600	738,400	780,000	859,000	839,000	1,292,000
Gas oil and diesel oil ..	4,261,500	4,124,500	4,474,000	5,062,000	4,850,000	6,285,000
Fuel oil	11,116,700	11,939,000	10,776,000	10,931,000	10,611,000	12,572,000
Fuel used in refineries	1,512,600	1,830,000	2,055,000	2,122,000	2,073,000	2,503,000
Lubricating oil	362,300	582,100	693,000	773,000	732,000	751,000
Bitumen	722,400	819,200	862,000	933,000	841,000	860,000
Paraffin wax	17,800	29,000	18,000	24,000	31,000	30,000
Union of South Africa—						
Motor spirit	30,500	r 242,000	r 328,000	r 329,000	326,000	352,000
Kerosine	—	r 13,000	45,300	r 58,000	53,000	54,000
Gas and diesel oil	—	r 124,000	r 218,000	r 256,000	267,000	330,000
Fuel oil	—	r 218,000	r 248,000	r 247,000	278,000	308,000
Lubricating oil	—	n.a.	n.a.	n.a.	n.a.	n.a.
Canada (b)—						
Aviation spirit	66,861	54,866	81,745	84,313	65,916	56,688
Motor spirit	7,315,979	7,864,749	8,798,664	9,851,289	9,902,237	9,983,168
Naphtha	105,471	99,285	106,714	83,752	111,114	139,646
Kerosine	1,101,429	1,249,089	1,387,450	1,421,749	} 1,331,965	} 1,606,601
do. Power	38,844	20,391	20,815	50,311		
Aviation turbine fuel ..	146,277	208,309	334,841	510,748	609,645	544,769
Gas oil, etc.	2,491,528	3,219,710	3,886,616	5,185,863	5,192,768	5,210,764
Diesel oil	1,485,580	1,681,259	2,106,145	2,886,560	3,547,553	3,101,204
Fuel oil	4,238,075	4,404,750	4,963,500	6,144,804	5,847,852	} 6,103,945
do. (used in refineries)	763,359	847,022	855,719	998,908	1,043,656	
Lubricating oil	228,503	221,550	215,970	} 296,492	} 296,855	} 262,846
Grease	15,349	11,427	12,488			
Coke	213,092	211,506	240,981	241,879	244,014	403,200
Asphalt	888,845	929,955	1,151,127	1,344,347	1,305,098	1,429,999
Trinidad—						
Aviation spirit	189,619	193,353	215,859	256,784	335,771	382,456
Motor spirit	804,460	840,059	906,072	954,535	1,027,572	1,238,575
White spirit	302	224	160	4,586	3,949	7,180
Kerosine	97,730	79,538	107,522	98,140	126,089	136,168
do. Power	411,186	379,076	276,669	272,257	290,479	257,785
Gas and diesel oil	732,559	781,593	1,023,315	1,234,118	1,451,781	1,709,132
Fuel oil	2,529,705	2,472,515	2,687,419	3,035,120	3,377,904	3,906,347
Lubricating oil and greases	217	390	392	402	569	338
Bitumen	87,971	129,615	67,064	48,116	56,990	39,105
Other finished products	103,724	86,634	78,267	148,960	125,350	541,480
Aden—						
Motor spirit	—	—	634,636	682,725	668,989	606,416
Kerosine	—	—	355,512	295,376	284,564	309,748
Fuel oils	—	—	3,054,878	3,386,366	3,111,110	2,688,366
Bahrain Islands (c)—						
Motor spirit	2,067,200	2,253,400	2,219,300	1,973,600	1,636,000	2,032,000
Kerosine	1,081,300	1,058,800	777,100	715,400	560,000	657,000
Gas oil and diesel oil ..	1,580,200	1,863,800	1,950,600	1,841,600	1,928,000	2,029,000
Fuel oil	4,270,300	4,372,200	3,944,500	4,390,400	4,368,000	4,084,000
Bitumen	114,300	111,300	120,600	109,100	94,000	67,000

*This table refers to the more important products obtained and does not include in some cases items classified as "other products". It follows, therefore, that the sum of the products shown for a particular country does not necessarily represent the total refinery products produced.

(a) Including distillation plants.

(b) Including the amounts used at the refineries. In the case of fuel oil these amounts are shown separately.

(c) British Protected State.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
India—						
Motor and other spirits	50,600	57,000	343,000	443,000	426,000	n.a.
Kerosine	70,500	69,100	255,000	274,000	313,000	n.a.
Gas and diesel oils ..	46,800	47,200	280,000	378,000	408,000	n.a.
Fuel oil	17,000	23,400	387,000	547,000	607,000	n.a.
Lubricating oils ..	15,900	15,200	16,000	16,000	16,000	n.a.
Bitumen	39,700	5,600	58,000	111,000	124,000	n.a.
Other refined products	47,000	51,000	51,000	57,000	n.a.	n.a.
Kuwait (a)—						
Motor spirit	33,500	144,600	46,000	47,000	43,000	43,000
Kerosine	10,400	47,900	17,000	19,000	21,000	29,000
Gas and diesel oils ..	273,200	307,800	290,000	280,000	258,000	1,355,000
Fuel oil	863,300	1,260,400	872,000	860,000	816,000	3,432,000
Bitumen	n.a.	4,000	11,000	14,000	14,000	21,000
Pakistan—						
Motor spirit	r 55,600	r 62,500	63,700	65,000	69,700	72,000
Kerosine	r 8,700	10,400	r 10,300	17,000	16,200	13,800
Diesel oil	35,100	46,400	54,000	58,000	61,000	67,000
Fuel oil	101,300	92,700	92,000	106,000	104,000	103,000
Lubricating oil ..	2,200	3,800	5,000	4,000	6,000	6,000
Bitumen	9,100	9,800	10,000	18,000	13,000	16,000
Sarawak—						
Motor spirit (b) ..	523,770	530,194	560,400	598,800	566,400	594,400
Kerosine, power ..	303	295	—	—	—	—
Gas, diesel and fuel oils	1,722,783	1,767,247	1,840,300	1,850,600	1,738,900	1,726,100
Australia—						
Aviation spirit	n.a.	n.a.	n.a.	32,556	47,346	51,111
Motor spirit	353,700	799,200	1,493,700	2,407,125	2,834,780	3,223,321
Kerosine	1,800	1,300	n.a.	20,760	54,250	n.a.
Aviation turbine fuel ..	n.a.	n.a.	n.a.	73,705	123,020	126,225
Gas oil	40,698	60,053	286,943	1,648,000	1,748,000	2,169,000
Diesel oil	123,928	328,772	656,320			
Fuel oil	355,917	573,883	2,143,617	3,045,000	3,308,000	3,411,000
Lubricating oil ..	16,042	28,817	67,421	35,070	32,770	n.a.
Bitumen	104,470	138,086	161,500	200,893	209,844	237,366
OTHER COUNTRIES						
Austria—						
Motor spirit	n.a.	n.a.	273,334	r 237,473	252,118	228,604
Kerosine	n.a.	n.a.	171,051	r 45,352	30,613	21,696
Gas oil	n.a.	n.a.	571,143	r 615,432	640,482	589,508
Fuel oil	n.a.	n.a.	1,012,217	r 949,751	897,053	776,007
Lubricating oil ..	n.a.	n.a.	57,718	r 56,608	63,989	54,612
Belgium—						
Motor spirit	679,468	822,000	949,000	1,160,000	1,125,000	1,329,000
Kerosine	81,804	133,400	164,100	204,500	200,600	232,100
Gas oil	778,874	886,000	1,146,000	1,382,000	1,228,000	1,551,000
Fuel oil	1,318,411	1,488,000	1,689,000	1,937,700	2,043,000	2,556,000
Lubricating oil ..	4,902	9,400	16,600	23,600	28,300	26,200
Asphalt, etc.	86,829	89,800	148,000	224,000	288,200	276,100
Bulgaria—						
Diesel oil	—	—	5,000	11,453	13,823	n.a.
Fuel oil	—	—	15,500	31,091	39,985	n.a.
Lubricating oil ..	7,800	7,400	8,000	15,386	18,034	n.a.
Czechoslovakia—						
Motor spirit	n.a.	n.a.	n.a.	355,000	369,000	n.a.
Diesel oil	n.a.	n.a.	n.a.	483,000	644,000	n.a.
Paraffin wax	n.a.	n.a.	n.a.	95,000	108,000	n.a.

(a) British Protected State.

(b) Including gasoline intended for enrichment of crude oil for export.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Gas and diesel oil ..	6,055	7,915	7,791	6,473	6,647	9,284
Lubricating oil ..	8,404	8,288	3,090	2,879	2,483	2,363
Grease ..	1,307	1,077	434	405	350	2,019
Asphalt ..	19,694	20,741	23,652	17,881	22,947	24,136
France—						
Motor spirit ..	5,064,800	5,171,000	5,029,000	5,376,000	5,285,000	5,745,000
Kerosine and white spirit	389,500	470,000	445,000	407,000	341,000	421,000
Gas and diesel oil ..	3,020,500	2,949,100	3,477,900	3,388,000	2,867,000	3,334,000
Fuel oil ..	10,586,400	10,521,000	11,016,000	12,170,000	11,339,000	14,517,000
Lubricating oil ..	379,400	479,900	531,000	584,000	560,000	555,000
Road oil and coke ..	835,000	985,000	} b2,025,000	b 2,258,000	b 2,218,000	(b)2,474,000
Paraffin wax ..	16,200	20,000				
Germany (Federal) —						
Aviation spirit ..	142,001	197,200	241,576	309,979	360,269	428,068
Motor spirit ..	2,035,348	2,546,373	2,930,082	3,083,268	3,262,447	3,820,004
Kerosine ..	51,071	230,929	164,974	208,568	100,432	192,445
Diesel oil ..	1,764,218	2,281,487	2,891,967	3,177,783	3,153,364	3,760,695
Fuel oil ..	942,538	1,580,380	1,888,726	2,325,228	2,677,668	4,281,043
Lubricating oil ..	385,355	332,740	356,883	381,324	336,699	362,141
Grease ..	6,534	7,491	9,678	9,091	10,008	12,104
Paraffin wax ..	22,347	35,197	42,223	45,530	48,196	47,204
Coke ..	77,515	187,048	200,181	227,716	247,554	254,782
Bitumen ..	466,305	614,714	654,962	699,159	733,955	877,183
Hungary—						
Motor spirit ..	179,661	177,169	184,527	148,753	239,211	<i>n.a.</i>
Kerosine ..	77,878	79,744	64,379	62,430	50,131	<i>n.a.</i>
Gas oil ..	301,061	337,862	349,909	328,260	453,557	<i>n.a.</i>
Italy—						
Motor spirit ..	2,245,020	2,764,368	2,675,339	3,049,293	3,032,293	3,398,000
White spirit ..	20,271	20,453	26,428	41,741	26,515	36,095
Kerosine ..	807,124	1,014,700	1,096,675	1,117,165	1,018,934	1,174,936
Gas oil ..	2,441,056	3,113,652	3,529,642	3,882,080	4,285,819	4,596,404
Fuel oil and diesel oil ..	5,707,365	7,130,317	7,651,255	8,373,727	9,469,454	11,711,608
Lubricating oil ..	69,734	129,389	145,598	164,901	147,182	151,624
Coke ..	120	148	120	169	(a)	(a)
Bitumen ..	307,440	394,558	384,608	432,499	446,003	553,304
Other products ..	168,018	236,083	308,587	366,277	416,343	529,394
Netherlands—						
Motor spirit ..	2,129,000	2,319,000	2,340,000	2,327,000	2,691,000	2,818,000
Kerosine ..	496,000	626,000	720,000	729,000	492,000	1,200,000
Gas and diesel oil ..	1,831,000	2,712,000	2,629,000	2,648,000	3,132,000	3,311,000
Residual fuel oil ..	3,516,000	4,492,000	5,219,000	6,558,000	6,169,000	5,946,000
Lubricating oil ..	44,000	55,000	67,000	140,000	172,000	156,000
Asphalt ..	192,000	280,000	304,000	264,000	230,000	218,000
Poland—						
Motor spirit ..	49,000	41,800	52,700	52,200	69,700	<i>n.a.</i>
Kerosine ..	25,400	32,100	27,506	15,717	6,700	<i>n.a.</i>
Gas and diesel oil ..	122,600	128,800	131,800	142,500	168,600	<i>n.a.</i>
Fuel oil ..	56,000	77,700	123,800	116,300	57,000	<i>n.a.</i>
Lubricating oil ..	<i>n.a.</i>	109,000	112,200	129,700	163,900	<i>n.a.</i>
Portugal—						
Motor spirit ..	19,600	159,600	212,200	219,000	220,521	277,967
Kerosine ..	15,700	107,200	165,200	151,000	118,008	136,845
Gas and diesel oil ..	25,600	151,300	143,300	208,000	209,180	236,728
Fuel oil ..	47,000	292,500	315,300	328,000	362,425	399,792
Roumania—						
Motor spirit ..	2,526,695	2,398,652	2,593,451	2,706,198	2,756,076	2,775,993
Kerosine ..	1,089,178	1,198,232	1,340,362	1,364,086	1,412,583	1,505,298
Gas oil ..	1,190,629	1,322,229	1,600,259	1,611,231	1,734,778	1,778,820
Fuel oil ..	3,221,000	3,694,858	3,972,795	4,055,503	3,972,823	3,867,862

(a) Included with "other products".

(b) Other products (other than butane and propane) which in 1954 amounted to 1,894,000 tons.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Spain—						
Motor spirit	311,072	386,249	378,224	420,072	376,741	787,000
Kerosine	35,466	40,579	50,444	48,536	118,808	231,000
Gas oil	272,553	304,350	408,746	444,730	567,883	} 806,000
Diesel oil	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	56,802	
Fuel oil	762,743	879,977	981,259	1,069,795	1,582,070	1,981,000
Lubricating oil	<i>n.a.</i>	<i>n.a.</i>	40,115	<i>n.a.</i>	36,000	37,000
Paraffin wax	108	106	48	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Sweden—						
Motor spirit	207,632	221,601	221,537	185,300	217,772	239,000
White spirit	3,858	8,223	9,704	11,389	<i>n.a.</i>	<i>n.a.</i>
Kerosine	109,310	115,866	120,850	178,114	173,988	342,000
Fuel oil, etc.	1,206,382	1,392,597	1,522,443	r 1,424,497	1,442,938	1,532,000
Lubricating oil	16,358	r 23,953	r 24,159	23,156	19,767	18,000
Asphalt	96,301	116,711	r 128,265	r 142,451	185,747	<i>n.a.</i>
Yugoslavia—						
Motor spirit	109,545	117,615	131,688	169,024	217,243	248,081
White spirit	5,351	5,313	7,857	6,325	8,481	6,827
Kerosine	41,024	61,296	74,257	81,138	72,096	60,665
Gas oil	131,967	158,437	171,125	199,074	247,570	293,337
Fuel oil	190,000	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Lubricating oil	29,178	29,018	34,510	31,059	40,814	42,118
Bitumen	54,100	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Other products	18,700	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Canary Islands—						
Motor spirit	194,272	202,757	r 279,111	r 351,775	324,364	311,000
Kerosine	71,483	77,813	r 33,798	r 41,778	66,953	108,000
Gas oil	141,391	148,264	r 281,030	r 354,177	282,392	} 581,000
Diesel oil	146,834	144,106	164,988	142,860	176,393	
Fuel oil	462,016	546,161	r 674,546	r 850,467	940,270	1,366,000
Lubricating oil	8,041	9,185	12,275	<i>n.a.</i>	10,000	13,000
Asphalt	55,000	75,664	64,578	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Egypt—						
Motor spirit	184,931	222,425	254,720	258,000	284,000	<i>n.a.</i>
Kerosine	204,173	216,092	270,715	r 239,000	273,000	<i>n.a.</i>
Gas oil	47,001	73,573	156,877	} 264,000	} 347,000	<i>n.a.</i>
Diesel oil	67,989	144,335	196,713			
Fuel oil	1,663,892	1,482,118	1,538,647	r 1,572,000	1,910,000	<i>n.a.</i>
Asphalt	37,612	49,195	85,138	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Morocco—						
Motor spirit	9,549	25,345	29,930	31,839	28,612	42,969
Kerosine	12,172	11,852	12,331	11,597	8,545	12,271
Gas and fuel oils	77,224	24,365	39,462	31,918	35,797	61,529
Cuba—						
Motor spirit	109,600	105,300	122,800	139,000	334,500	658,000
Kerosine	84,800	89,000	112,300	117,000	141,800	131,000
Gas oil and diesel oil	105,400	122,000	135,300	137,000	503,400	657,000
Fuel oil	49,900	59,400	66,600	84,000	958,600	1,857,000
Lubricating oil	3,400	3,600	11,100	11,000	8,100	—
Mexico—						
Motor spirit	1,810,290	1,789,864	1,859,803	2,096,000	2,370,000	2,746,000
Kerosine	871,050	895,348	926,268	1,001,000	1,041,000	1,268,000
Gas oil	825,426	828,142	751,585	805,000	1,120,000	1,340,000
Fuel oil	5,298,532	6,192,567	6,531,998	6,190,000	6,288,000	6,506,000
Lubricating oil	33,571	48,253	154,735	110,000	129,000	127,000
Paraffin wax	8,428	9,104	32,629	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Asphalt	90,700	84,013	96,512	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Netherlands West Indies						
<i>(a)</i> —						
Aviation spirit	} 5,321,427	{ 1,088,723	1,159,251	1,339,431	1,301,733	1,448,616
Motor spirit		{ 4,164,594	3,245,143	2,623,820	2,438,893	3,471,890
Kerosine	2,205,970	1,947,719	1,528,038	1,342,086	1,229,122	1,229,209
Aviation turbine fuel ..	<i>n.a.</i>	678,138	1,227,937	1,620,798	1,859,385	2,340,282
White spirit	<i>n.a.</i>	150,753	136,661	54,215	46,386	54,092
Gas oil	1,719,253	2,556,367	2,822,938	2,556,587	2,744,541	3,991,875
Diesel oil	3,652,925	2,193,609	2,313,976	2,612,650	1,916,776	1,926,428
Fuel oil	24,434,938	21,331,257	23,154,116	24,999,904	22,928,528	18,805,434
Lubricating oil	505,412	548,009	635,615	688,656	602,087	617,446
Asphalt	498,729	582,145	702,881	617,596	683,698	746,627
United States—						
Aviation spirit	9,979,000	10,541,000	11,490,000	12,313,000	12,481,000	13,613,000
Motor spirit	135,015,000	133,853,000	145,800,000	r 151,245,000	152,143,000	149,217,000
Kerosine	15,680,000	15,566,000	14,908,000	15,716,000	13,864,000	14,001,000
Jet fuels	4,550,000	5,925,000	7,210,000	8,456,000	8,059,000	9,377,000
Distillate fuel oil ..	71,657,000	73,579,000	81,757,000	90,324,000	90,715,000	85,672,000
Residual fuel oil ..	65,622,000	60,777,000	61,298,000	62,227,000	60,616,000	52,990,000
Lubricating oil	7,356,000	7,454,000	7,817,000	8,290,000	7,801,000	7,182,000
Paraffin wax	622,250	661,500	661,600	670,900	682,600	656,500
Coke	3,858,400	4,336,400	5,060,200	5,552,700	5,976,100	6,751,400
Asphalt	11,754,700	12,161,000	13,494,000	14,714,000	13,910,000	14,510,000
Road oil	1,049,000	1,147,500	1,349,400	1,277,000	1,147,000	943,000
Argentina—						
Aviation spirit	8,600	6,400	r 7,000	31,800	41,400	} 1,900,000
Motor spirit	1,476,000	1,493,000	r 1,631,000	1,541,000	1,745,800	
Kerosine	818,000	806,000	r 834,000	909,455	1,099,300	1,098,000
Gas oil	397,000	393,000	r 404,000	406,591	444,000	} 1,779,000
Diesel oil	604,000	590,000	r 745,000	934,600	1,078,000	
Fuel oil	3,044,000	3,356,000	r 3,586,000	3,432,000	4,906,800	5,244,000
Lubricating oil	86,000	103,000	r 106,000	130,600	135,300	165,000
Bolivia—						
Motor spirit	30,211	103,568	105,105	133,207	118,844	270,733
Kerosine	7,517	19,837	18,544	33,651	36,088	43,974
Diesel oil	8,479	30,327	31,362	49,636	55,200	36,578
Fuel oil	9,528	80,488	108,876	134,271	107,245	106,290
Brazil—						
Motor spirit	85,300	102,700	1,293,300	2,058,100	2,065,090	2,151,000
Kerosine	15,900	18,100	12,000	28,700	169,270	247,000
Diesel oil	37,400	45,100	292,300	393,800	649,350	834,000
Fuel oil	87,500	131,500	1,503,000	2,270,000	2,512,400	2,719,000
Lubricating oil	600	—	—	—	550	—
Chile—						
Motor spirit	r 7,143	r 29,200	r 207,800	r 339,800	364,500	405,000
Kerosine	1,400	r 8,700	r 15,000	r 19,200	27,900	53,100
Gas and diesel oil ..	7,000	r 29,100	r 98,100	r 167,200	193,800	211,500
Fuel oil	r —	r 4,500	r 241,800	r 312,300	298,600	347,900
Colombia—						
Aviation spirit	495	5,413	22,340	34,721	34,533	46,329
Motor spirit	251,463	315,833	542,483	552,373	645,212	(b) 845,469
Other spirit	9,000	8,700	10,000	10,900	12,300	12,400
Kerosine	55,382	53,046	124,026	144,999	160,636	190,042
do. Power	16,097	20,316	19,659	11,184	20,914	9,926
Diesel oil	104,458	135,479	199,048	272,788	344,862	380,729
Fuel oil	1,147,825	914,169	805,357	791,447	1,050,945	1,389,819
Lubricating oil and grease	9,249	8,587	9,109	8,219	9,759	11,497
Coke	<i>n.a.</i>	11,538	33,325	44,611	54,523	88,638
Asphalt	32,009	47,061	54,107	65,599	50,638	50,692

(a) Exports.

(b) Including naptha.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
(cont.)						
Ecuador—						
Motor spirit	67,460	74,895	76,174	78,289	73,771	256,062
Kerosine	21,040	23,484	25,000	27,338	28,000	29,415
Gas and diesel oils	45,130	46,708	46,376	48,809	48,710	57,284
Residual fuel oil	86,950	104,625	112,938	109,500	117,346	124,375
Peru—						
Motor spirit	481,120	538,923	545,410	563,258	571,920	669,000
Kerosine	239,148	288,420	322,764	350,818	377,499	392,000
Aviation turbine fuel	—	—	—	—	9,027	7,000
Diesel oil	223,791	351,394	540,830	718,233	674,236	679,000
Fuel oil	846,489	682,471	456,866	340,889	372,301	374,000
Lubricating oil	7,707	9,808	10,134	10,823	7,911	12,000
Coke	164	243	529	132	11	n.a.
Asphalt	35,334	27,434	29,649	38,102	20,939	n.a.
Uruguay—						
Motor spirit	225,413	222,756	252,861	232,379	247,028	237,242
Kerosine	134,581	146,086	109,450	144,016	160,582	156,620
Aviation turbine fuel	—	—	—	—	—	2,437
Gas oil	88,702	100,508	115,861	81,793	86,362	86,043
Diesel oil	52,834	53,336	47,088	37,396	26,989	45,353
Fuel oil	586,846	647,726	560,532	515,011	519,119	537,627
Lubricating oil	—	—	—	—	504	622
Asphalt	—	—	—	—	15,000	10,600
Venezuela—						
Motor spirit	2,572,199	2,543,974	2,974,373	3,223,827	3,891,035	4,435,377
Kerosine	594,874	708,295	959,911	825,836	1,111,262	1,435,177
Gas oil	812,041	1,366,145	2,177,662	2,156,828	6,500,068	6,628,167
Diesel oil	3,148,167	3,018,100	3,611,511	4,031,926		
Fuel oil	12,489,297	13,339,663	15,115,892	18,198,576	19,863,677	20,751,026
Lubricating oil	159,394	140,000	141,356	166,813	157,989	179,345
Asphalt	139,000	102,000	157,000	295,000	590,000	1,082,000
Burma—						
Motor spirit	26,077	34,121	36,282	37,428	93,453	123,100
Kerosine	22,908	29,266	30,601	34,693	59,359	81,649
Jet fuel	—	—	—	—	154	3,327
Diesel oil	27,902	33,522	36,855	37,642	59,924	85,777
Fuel oil	35,038	40,187	40,261	42,783	73,144	59,631
Paraffin wax	n.a.	6,266	8,406	8,486	9,903	10,660
Coke	—	—	—	—	5,593	10,085
Formosa—						
Motor spirit	78,573	r 98,279	121,670	116,961	134,179	145,063
Kerosine	r 28,051	r 32,353	30,617	25,708	26,440	28,530
Jet fuel	8,274	38,083	60,354	107,550	86,753	110,834
Diesel oil	r 37,955	71,793	93,561	93,219	114,041	130,411
Fuel oil	r 120,918	168,805	274,280	306,594	257,331	269,001
Asphalt	r 16,699	r 17,523	r 12,222	25,227	35,542	35,615
Indonesia—						
Aviation spirit	378,474	293,245	286,638	267,589	255,980	211,845
Motor spirit	2,180,468	2,133,418	2,244,876	2,134,280	2,108,884	2,082,513
White spirit	n.a.	n.a.	n.a.	76,693	n.a.	n.a.
Kerosine	1,236,334	1,419,838	1,612,315	r 1,628,842	1,661,775	1,551,079
Fuel, gas, diesel and lubricating oils	5,609,913	5,749,078	5,905,991	5,976,321	6,620,839	6,048,902
Paraffin wax	110,019	116,970	120,020	r 103,901	91,430	88,663
Asphalt	29,657	33,868	33,570	34,845	40,811	29,368
Other products	484,208	500,808	504,565	526,267	593,868	626,318
Iran (a)—						
Aviation spirit	—	n.a.	{ 43,000	300,000	484,000	498,000
Motor spirit	—	n.a.	{ 1,090,000	1,740,000	2,015,000	2,090,000
Kerosine	—	n.a.	{ 1,186,000	1,702,000	2,219,000	2,277,000

(a) Abadan refinery only.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES (cont.)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Iran (a) (cont.)—						
Gas and diesel oils	}	<i>n.a.</i>	985,000	1,808,000	2,514,000	2,641,000
Fuel oil ..			3,303,000	4,511,000	6,592,000	6,015,000
Lubricating oil			11,000	11,000	14,000	13,000
Bitumen ..			64,000	213,000	194,000	185,000
Iraq—						
Motor spirit ..	81,400	84,700	138,501	37,200	32,900	33,700
Kerosine ..	99,300	107,400	157,640	38,800	29,900	35,600
Gas oil ..	42,400	47,700	88,180	15,700	14,500	17,900
Diesel and fuel oils	258,800	242,800	578,862	102,100	96,700	91,400
Israel—						
Motor spirit ..	149,600	164,200	187,000	195,000	162,000	180,000
Kerosine ..	90,800	135,300	137,000	126,000	135,000	175,000
Gas and diesel oils	149,800	175,200	217,000	185,000	223,000	256,000
Fuel oil ..	343,100	349,800	348,000	334,000	383,000	416,000
Bitumen ..	16,000	21,500	21,000	20,000	29,000	30,000
Japan—						
Motor spirit ..	1,231,220	1,448,661	1,775,295	2,189,277	2,721,725	3,004,222
Kerosine (b) ..	287,017	411,236	473,683	728,797	975,123	1,042,487
Gas oil ..	420,474	561,088	623,726	750,077	847,389	1,037,739
Diesel oil ..	405,277	523,383	540,111	654,715	541,799	874,629
Fuel oil ..	2,220,943	2,715,383	3,164,446	4,784,954	6,133,664	6,343,181
Lubricating oils	278,839	300,240	321,298	394,058	443,571	404,261
Paraffin wax ..	18,207	19,635	23,872	34,488	34,747	36,290
Pitch ..	8,463	9,562	4,345	—	—	—
Asphalt ..	132,047	159,361	176,837	205,361	269,075	293,722
Lebanon—						
Motor spirit ..	109,756	129,342	155,884	176,178	176,000	115,795
Kerosine ..	62,460	48,707	81,415	93,356	105,000	76,050
Gas oil ..	86,841	82,253	165,064	205,207	238,000	166,969
Diesel oil ..	—	—	12,676	4,580	—	—
Fuel oil ..	218,830	233,514	429,545	448,205	479,000	370,989
Philippine Republic—						
Motor spirit ..	—	47,000	240,000	313,000	325,000	386,000
Kerosine ..	—	12,000	48,000	59,000	64,000	73,000
Gas and diesel oil	—	25,000	122,000	189,000	200,000	232,000
Fuel oil ..	—	49,000	177,000	182,000	249,000	420,000
Saudi Arabia—						
Motor spirit ..	1,523,734	1,457,063	1,272,883	1,247,673	1,021,997	859,673
Kerosine (b) ..	965,253	1,080,510	977,269	770,152	898,503	1,078,694
Diesel oil ..	2,347,067	2,411,195	2,075,023	2,058,911	1,499,077	2,004,878
Fuel oil ..	4,815,577	5,277,424	5,162,720	5,163,093	5,543,806	3,728,127
Asphalt, etc. ..	42,547	43,856	33,372	38,957	50,745	50,930
Turkey—						
Motor spirit ..	600	800	3,800	51,400	61,676	15,830
Diesel oil ..	3,700	3,800	7,700	17,600	15,383	23,181
Fuel oil ..	—	—	51,400	163,300	154,930	165,531
Asphalt ..	5,622	7,334	16,109	38,632	35,653	42,746

(a) Abadan refinery only.

(b) Including jet fuel.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Crude petroleum ..	—	24,312	61,256	61,954	14,464	4,222
Aviation spirit (bunkers) (a) ..	91,208	96,881	111,863	128,866	162,536	160,700
Aviation spirit ..			272,596	282,915	357,101	398,143
Aviation turbine fuel ..	1,009,595	1,457,555	106,163	205,505	181,059	460,779
Motor spirit ..			913,649	959,549	926,620	1,061,524
Other spirit ..	59,326	31,110	16,145	16,591	16,476	38,398
Kerosine, power do. other ..	150,534	218,221	45,465	42,449	74,672	65,348
			154,281	163,467	140,839	210,323
Gas oil ..	942,630	940,957	899,617	1,509,468	787,376	1,646,462
Diesel oil ..	546,503	434,023	399,545	461,140	388,310	488,675
Fuel oil ..	4,315,616	4,129,012	2,843,214	3,229,733	2,763,437	3,132,665
do. (bunkers) (a) ..	3,633,975	3,867,479	4,125,987	4,492,791	3,520,974	3,854,346
Lubricating oil ..	186,161	248,014	342,699	410,022	382,085	399,218
Greases ..	13,580	17,492	(c) 22,969	(c) 28,276	(c) 29,274	(c) 29,970
Other refined oils ..			1,820	n.a.	n.a.	n.a.
Other heavy oils ..	35,820	86,938	7,275	9,306	8,403	8,385
Mineral jelly ..	207	221	n.a.	n.a.	n.a.	n.a.
Paraffin wax ..	2,359	247	1,293	3,570	6,495	7,040
Malta (bunkers) (b)—						
Aviation spirit ..	29,489	25,847	30,258	35,061	24,752	21,943
Aviation turbine fuel ..	7,640	12,693	12,792	38,503	38,497	40,639
Gas oil ..	3,219	4,139	2,354	2,605	1,299	243
Fuel oil ..	19,346	11,262	2,407	1,838	792	—
Ghana (bunkers) (b)—						
Aviation spirit ..	1,399	3,093	2,648	4,649	3,837	3,617
Gas oil ..	r 364	r 1,428	r 203	r 379	2,156	3,577
Diesel oil ..	—	238	57	—	4,727	172
Fuel oil ..	22,159	18,046	16,635	16,082	5,928	10,801
Kenya (bunkers) (b)—						
Aviation spirit ..	258	10	—	12,316	10,052	9,475
Motor spirit ..	13	16	5	3	2	1
Gas, diesel and fuel oils ..	115,813	111,659	102,985	139,542	187,373	105,639
Lubricating oil ..	304	264	359	427	364	514
Mauritius (bunkers)(b)—						
Aviation spirit ..	917	1,160	980	986	1,084	1,896
Fuel oils ..	8,413	5,266	7,506	9,988	9,797	6,823
Nigeria—						
Crude petroleum ..	—	—	—	—	6	223,866
Diesel oil (bunkers) (b) ..	14	94	134	10	380	2,078
Gas oil do. (b) ..	1,734	1,206	1,256	977	1,044	136
Fuel oil do. (b) ..	6,753	6,141	11,115	7,537	6,666	6,225
Sierra Leone (bunkers) (b)—						
Aviation spirit ..	—	—	—	359	570	202
Fuel and diesel oils ..	6	11	46	57,865	235,183	216,296
Tanganyika (bunkers) (b)—						
Aviation spirit ..	22	—	—	1,240	610	414
Gas, diesel and fuel oils ..	1,507	661	58	84	13	6
Uganda (bunkers) (b)—						
Aviation spirit ..	346	—	—	2,788	3,631	3,213

*Excluding the United Kingdom, the following rates have been used for converting Imperial gallons to long tons: Aviation spirit 315, Motor spirit 305, White spirit 280, Kerosine 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250, Asphalt 220, Road oil 220, Crude petroleum 245 (except for countries mentioned in footnote (b) on page 229).

(a) Including foreign produce.

(c) Including cable impregnating compounds.

(b) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Union of South Africa—						
Motor spirit	1	9,151	12,343	19,823	19,348	41,976
do. (bunkers) (a) ..	5,419	7,403	8,488	8,855	9,000	8,856
Diesel oil	—	15,653	49,058	40,896	47,395	35,068
do. (bunkers)	—	17,626	44,836	38,478	47,498	55,576
do. (bunkers) (a) ..	108,193	92,615	59,093	111,454	162,195	53,541
Fuel oil	—	58,687	21,190	15,015	66	25,102
do. (bunkers)	—	67,039	182,866	286,493	213,470	231,728
do. (bunkers) (a) ..	246,493	220,603	170,664	344,804	802,597	181,209
Asphalt and bitumen ..	1,813	4,482	18,952	30,605	32,286	30,812
Canada—						
Crude petroleum	r 334,309	r 312,659	r 1,977,683	r 5,721,078	7,423,230	4,223,924
Motor spirit	546	50,384	41,750	88,635	138,185	19,260
Kerosine, etc.	7	13	21	116,053	137,454	23,952
Fuel oil	22,975	6,471	75,048	127,214	164,923	64,351
do. (bunkers)	1,151,597	966,169	1,116,691	1,191,096	1,334,707	1,076,598
Diesel oil (bunkers) ..	193,350	188,078	234,748	236,621	342,471	369,656
Lubricating oil	103	167	229	485	1,759	2,021
Other oils	35	—	91	41	10	27
Mineral wax	235	625	81	105	146	136
Petroleum coke	33,380	40,759	53,773	31,369	38,462	27,481
Natural gas (million cu.ft.)	9,629	7,148	11,357	10,828	15,731	86,971
British Guiana (a)—						
Aviation spirit (bunkers)	353	269	339	347	345	365
British West Indies—						
Bermuda (bunkers)(a)(b)—						
Aviation spirit	33,675	44,734	47,642	65,273	76,385	79,184
Motor spirit	44	603	629	559	968	n.a.
Aviation turbine fuel	n.a.	1,791	946	1,198	16,591	32,314
Kerosine	450	547	405	532	533	n.a.
Fuel oil	10,743	4,991	33,440	31,111	25,907	7,774
Diesel oil	534	3,085	2,013	2,954	3,057	1,872
Lubricating oil	468	563	571	r 796	974	1,036
Jamaica (bunkers) (a)—						
Aviation spirit	n.a.	2,164	9,786	5,083	371	1,586
Gas oil	(c) 27,025	1,957	4,755	1,077	576	29
Diesel oil	(c) 41,096	13,868	136,846	14,568	25,656	1,598
Fuel oil	(c) 203,509	68,531					56,163	80,407	8,910
Trinidad and Tobago—						
Crude petroleum	324,325	426,563	399,878	540,803	461,099	406,916
Aviation spirit	183,915	180,403	201,471	271,304	358,321	285,401
do. (bunkers)	7,931	8,223	7,507	8,678	12,365	42,505
Motor spirit	720,760	758,568	766,236	943,021	870,379	1,251,609
do. (bunkers)	20,077	105	6,984	268	1,802	16,946
Kerosine—Power	422,559	381,275	286,479	352,654	345,665	282,619
do. (bunkers)	7,801	1,550	3,154	13	39	—
Kerosine—other	74,399	60,818	87,661	74,147	100,523	94,179
do. (bunkers)	1,176	296	248	398	218	171
Gas oil	373,123	274,904	463,273	r 585,988	737,067	821,929
do. (bunkers)	49,588	56,865	53,390	r 50,692	75,200	62,888
Diesel oil	25,554	165,531	337,294	r 408,827	322,438	304,328
do. (bunkers)	263,477	241,708	221,394	r 600,121	488,659	424,341
Fuel oil	1,424,718	1,454,165	1,613,586	3,085,198	1,915,735	2,496,708
do. (bunkers)	1,082,402	892,934	809,936	1,584,984	2,012,484	1,235,053
Lubricating oil	136	158	99	164	251	317
Road oil	22,281	17,798	22,404	21,443	84,252	21,694
Asphalt—						
Crude	1	—	27	43,500	—	1
Dried	42,510	51,035	49,722			
Asphalt cement	33,805	22,587	13,107	10,759	12,705	11,129
Bituminous asphalt	97,796	152,524	103,508	80,649	75,778	34,781

(a) Foreign produce. See imports.

(b) Including bunkers for military forces.

(c) Amount imported for bunkers. Figures of actual shipments are not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Falkland Islands—						
(bunkers) (a)—						
Fuel oil	21,880	11,550	11,693	8,737	4,497	6,291
Aden—						
Aviation and motor spirits	—	—	601,085	680,815	635,349	620,810
Kerosine	—	—	335,087	309,285	262,829	292,540
Gas diesel, fuel oils	—	—	960,871	1,550,686	1,404,883	735,359
Fuel oil (bunkers) (a)	2,743,170	2,900,551	3,090,063	2,514,938	2,101,173	3,408,253
Bahrain Islands (e)—						
Aviation spirit	2,014,980	24,000	15,700	20,400	21,000	8,000
Motor spirit		2,157,600	1,924,600	1,500,700	1,220,000	1,350,000
Aviation turbine fuel	n.a.	1,028,600	259,600	386,400	306,000	485,000
Kerosine	771,990	166,800	742,800	685,500	536,000	619,000
Process oil	n.a.		278,900	208,100	15,000	—
Diesel oil	1,324,640	1,576,300	1,683,900	1,612,600	1,740,000	1,480,000
do. (bunkers)	200,070	201,900	196,200	159,400	156,000	125,000
Fuel oil	3,640,770	3,742,200	3,352,200	3,692,300	3,602,000	3,122,000
do. (bunkers)	652,815	639,000	621,800	599,100	730,000	641,000
Asphalt	n.a.	107,100	124,300	103,300	97,000	46,000
British Borneo—						
Brunei—						
Crude petroleum (b)	4,799,473	4,704,488	5,108,970	5,526,505	5,371,788	5,053,900
Natural gas (million cubic feet)	2,059	2,354	2,617	3,245	2,545	2,480
Sarawak—						
Crude petroleum (c)	2,789,506	2,892,768	3,182,883	3,439,401	3,545,722	3,157,045
Motor spirit (d)	307,591	33,168	133,258	288,985	202,679	225,000
Kerosine	152	194	64	37	6	15
Gas oil	6,975	8,507	55	—	48,991	60,541
Diesel oil	1,582,261	1,171,888	1,228,285	1,057,708	975,690	950,027
Fuel oil		421,668	452,539	636,487	560,134	510,326
do. (bunkers) (f)	120,904	134,358	127,787	148,732	140,792	174,156
Ceylon (bunkers) (a)—						
Aviation spirit	3,030	3,618	3,998	3,614	4,478	6,014
Gas oil	1,295	2,153	14,698	20,219	4,030	6,476
Diesel oil	72,845	68,922	60,938	79,572	76,915	48,644
Fuel oil	413,133	378,580	393,971	472,629	540,096	379,319
Cyprus (bunkers) (a)—						
Aviation spirit	5,042	6,477	5,492	5,696	2,855	2,273
Hong Kong (re-exports)—						
Motor spirit	1,590	955	1,195	1,691	868	959
Kerosine	1,587	2,268	2,661	3,139	2,212	1,446
Diesel oil and gas oil	5,133	4,154	5,546	6,192	5,538	6,558
Fuel oil	30	75	20	134	233	620
Lubricating oil	484	434	144	6,534	893	508
Greases	33	9	7	2	5	18
Petroleum jelly	120	74	19	114	194	164
Paraffin wax	62	38	43	138	316	344
Asphalt and bitumen	1,079	21	220	616	30	2,791
India—						
Aviation spirit (bunkers)						
Domestic produce	—	8	45	—	n.a.	n.a.
Foreign produce	20,852	25,849	27,235	32,062	n.a.	n.a.

(a) Foreign produce. See imports.

(b) Exported to Sarawak for refining. Some, however, is re-exported from Sarawak and shown as exports from that country.

(c) Including crude petroleum imported from Brunei as well as enriched waxy crude.

(d) Excluding motor spirit blended with crude petroleum and exported as enriched waxy crude.

(e) British Protected State.

(f) Including diesel oil bunkers.

(g) Domestic and foreign produce.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
<i>(cont.)</i>						
India—(cont.)						
Motor spirit	—	—	58,862	21,230	} 146,469	108,402
Other spirit	35	81	90,896	61,540		
Diesel oil	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	14,858
Fuel oil	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	179,880	83,710
do. (bunkers)	—	—	4,388	348,265	<i>n.a.</i>	<i>n.a.</i>
Domestic produce ..	—	—	4,388	348,265	<i>n.a.</i>	<i>n.a.</i>
Foreign produce ..	189,173	237,296	280,420	693,699	<i>n.a.</i>	<i>n.a.</i>
Paraffin wax	23,121	25,376	24,627	27,450	25,594	22,061
Kuwait (c)—						
Crude petroleum ..	41,034,474	45,483,146	52,258,203	52,890,137	54,910,338	63,090,053
Export distillate ..	222,726	182,456	180,817	101,168	109,376	750,347
Gas oil	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	809,620
Diesel oil	—	11,171	9,962	3,723	—	113,743
do. (bunkers) ..	246,186	228,104	258,096	253,367	233,945	337,835
do. do. (a) ..	—	5,976	10,939	57,907	196,302	18,442
Fuel oil	9,038	—	—	—	—	1,137,584
do. (bunkers) ..	837,596	857,043	854,901	853,200	822,090	2,199,515
do. do. (a) ..	107,001	149,011	259,422	490,426	1,251,685	64,057
Malaya (including re-exports)—						
Crude petroleum ..	(d)	(d)	(d)	707,202	772,776	856,817
Aviation spirit	172,335	237,437	209,711	221,301	196,720	164,455
do. do. (bunkers) ..	11,913	8,456	9,570	12,170	15,169	18,067
Motor spirit	883,697	904,500	853,652	899,912	847,002	697,450
White spirit	33,345	50,731	72,248	79,652	75,495	53,311
Aviation turbine fuel ..	2,063	149	556	67	18,396	22,769
Kerosine Power ..	88,746	97,426	59,083	70,314	63,884	76,607
do. Other	301,127	330,815	307,154	311,862	241,564	244,551
Gas oil	360,542	392,628	300,603	365,030	424,069	354,574
Diesel oil	314,419	300,834	333,940	348,272	250,013	219,683
Fuel oil	(e) 500,237	(e) 458,273	(e) 1,037,318	580,892	445,012	188,322
Fuel and diesel oil (bunkers) ..	1,438,648	1,679,575	1,761,913	2,025,148	2,228,583	1,999,575
Lubricating oil ..	4,740	5,877	6,165	5,851	6,522	6,266
Petroleum jelly ..	53	41	82	69	27	68
Grease	260	327	320	370	349	265
Paraffin wax	469	232	260	42	5,956	88
Asphalt and bitumen ..	8,670	10,168	3,998	132,392	98,399	37,001
Qatar (c)—						
Crude petroleum ..	3,902,595	4,595,710	5,262,366	5,664,119	6,447,000	8,055,000
Australia (b)—						
Aviation spirit	441	57	—	—	2,799	381
do. do. (bunkers) ..	8	846	1,808	1,116	3,955	4,495
do. do. do. (a) ..	7,630	11,691	16,138	16,902	15,837	11,490
Motor spirit	1,500	1,175	43,887	124,873	75,455	155,892
Kerosine	} 1,120	} 621	} 562	} 23,485	} 17,715	} 20,321
Aviation turbine fuel ..						
Lubricating oil ..	1,778	1,383	1,055	3,701	3,103	564
Diesel and fuel oils ..	2,032	625	129,387	431,404	573,441	989,736
Fuel oil (bunkers) —	—	—	—	—	—	—
Domestic produce ..	40,247	45,700	207,057	473,017	582,896	518,513
Foreign produce ..	387,083	376,788	336,446	74,207	19,200	8,869
Fiji (bunkers) (a)—						
Aviation spirit	5,862	5,809	10,313	9,008	14,779	11,082
Diesel oil	1,198	3,610	4,422	3,466	4,442	6,458
Fuel oil	—	619	77	598	48	160

(a) Foreign produce. See imports.

(d) Included, if any, with fuel oil.

(b) Years ended June 30 of that stated.

(e) Includes crude petroleum, if any.

(c) British Protected State.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
New Zealand (bunkers)						
(c)—						
Aviation spirit ..	4,861	4,741	5,057	5,175	6,112	6,219
Diesel oil ..	15,127	13,939	9,658	16,319	19,940	19,044
Fuel oil ..	15,251	14,993	12,394	9,268	10,617	9,478
Lubricating oil ..	750	761	787	1,053	1,137	1,247
Irish Republic (bunkers)						
(a) (c)—						
Aviation spirit ..	4,115	3,017	2,597	3,358	3,293	3,064
Fuel oils ..	32,152	31,358	46,573	50,308	26,255	35,899
OTHER COUNTRIES						
Austria—						
Crude petroleum ..	—	—	10,068	49,371	221	—
Motor spirit ..	—	—	11,807	10,613	1	—
Kerosine ..	—	—	14,821	37,299	10,003	1,025
Gas oil ..	61,424	92,137	121,736	322,500	265,534	203,242
Fuel oil ..	12,168	2,036	—	2,507	8	1,139
Lubricating oil, etc. ..	207	34	1,982	1,530	791	224
Belgium-Luxemburg						
E.U.—						
Crude petroleum ..	3	2	31,309	93,142	48,011	76,312
Motor spirit ..	279,186	186,242	306,447	392,538	299,524	484,004
Kerosine ..	40,344	61,572	104,293	123,015	120,912	159,963
Gas oil ..	245,266	267,662	303,903	512,960	586,278	628,916
do. (bunkers) (b) ..	71,534	(d)	(d)	(d)	(d)	(d)
Fuel oil, etc. ..	836,790	1,000,813	965,321	1,094,607	932,591	1,157,655
do. (bunkers) (b) ..	375,417	425,196	557,450	728,087	530,143	566,316
Lubricating oil ..	50,175	65,940	83,772	94,181	85,471	91,499
do. (bunkers) (b) ..	3,651	4,218	4,740	5,961	6,410	4,889
Other heavy oils ..	192	183	4,161	85	2,588	140
Petroleum jelly ..	196	281	413	519	799	541
Paraffin wax ..	18	81	26	265	58	77
Ozokerite and ceresin (e) ..	10	32	58	68	67	59
Petroleum coke ..	—	9	2	3	493	28
Natural asphalt ..	335	524	723	643	748	214
Pitch ..	20,186	22,752	45,253	66,180	72,404	81,189
Denmark (bunkers)—						
Gas oil ..	n.a.	193,772	39,554	32,669	37,571	45,182
Diesel oil ..			84,106	84,021	90,845	97,206
Fuel oil ..			125,328	112,528	114,154	115,111
France—						
Crude petroleum ..	49	3	—	2	19,365	44,998
Aviation spirit ..	1,369	1,239	364	10,222	23,015	46,842
Motor spirit ..	1,527,744	1,443,407	1,236,586	1,181,092	934,589	1,287,914
White spirit ..	5,155	7,337	5,514	4,346	2,719	2,553
Kerosine ..	263,768	396,966	433,897	411,121	353,688	456,452
Gas oil ..	1,195,427	1,240,730	1,602,954	1,582,802	1,049,345	1,916,623
do. (bunkers)—						
Domestic produce ..	243,207	259,003	324,867	312,409	351,634	401,905
Foreign produce ..	4,676	4,289	3,369	3,570	6,896	6,149
Fuel oil ..	3,425,431	2,337,678	1,759,040	1,293,518	1,113,190	1,891,575
do. (bunkers)—						
Domestic produce ..	1,640,843	1,531,187	1,736,721	1,809,496	1,454,753	1,837,243
Foreign produce ..	32,910	144,898	154,736	255,022	340,692	151,516
Lubricating oil ..	71,944	102,534	156,740	117,287	106,106	133,649
do. (bunkers)—						
Domestic produce ..	17,169	17,943	21,004	20,033	23,805	24,786
Foreign produce ..	3,988	3,324	3,297	2,525	5,238	2,241

(a) In addition re-exports of aviation spirit, presumably to the "Shannon Free Airport", were as follows (long tons): 1953—49,695; 1954—58,524; 1955—81,695; 1956—87,408; 1957—82,672; 1958—95,230.

(b) Bunkers for foreign ships or aircraft only.

(d) Included with fuel oil.

(c) Foreign produce. See imports.

(e) Including montan wax.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
France (cont.)—						
Petroleum jelly	29	43	47	31	26	36
Paraffin wax	1,772	6,480	9,212	7,671	5,218	8,440
Ozokerite, ceresin, etc. ..	185	732	162	80	118	440
Petroleum coke	—	28	—	—	13	—
Natural asphalt and						
bitumen,	15,264	15,485	21,766	18,125	19,415	19,881
Mastic asphalt	9,670	10,910	6,440	4,448	5,727	4,971
Bitumen, etc.	187,283	229,649	194,203	115,547	126,218	149,515
Germany (Federal)—						
Aviation and motor						
spirits	182,465	234,777	327,927	407,113	219,106	366,184
do. (bunkers) (a) ..	23,690	47,093	57,578	64,238	66,967	75,317
Kerosine (c)	33,004	42,728	28,108	39,011	8,308	89,069
Gas and diesel oil	19,182	116,275	197,668	261,710	186,878	321,706
do. (bunkers) (a) ..	109,585	227,806	303,253	376,151	345,430	365,884
Fuel oil	79,748	78,843	164,675	275,401	133,515	172,602
do. (bunkers) (a) ..	233,809	510,511	736,297	932,319	739,188	690,112
Lubricating oil	118,998	33,947	57,369	54,044	60,599	44,091
do. (bunkers) (a) ..	3,563	6,369	8,118	9,152	10,718	9,964
Petroleum jelly	869	3,336	3,975	5,544	6,166	6,265
Paraffin wax	12,550	17,712	25,062	28,795	24,476	25,160
Ozokerite, etc.	539	436	248	138	101	205
Asphalt	1,090	1,281	1,320	1,888	2,511	975
Bitumen	37,958	34,913	33,475	30,478	26,431	57,561
Petroleum coke	12,129	30,902	32,053	41,978	45,922	44,881
Germany (East)—						
Motor spirit	121,068	199,382	180,241	149,907	126,173	74,833
Diesel oil	137,874	218,892	269,900	203,163	294,004	271,446
Hungary—						
Motor spirit	18,271	11,149	14,728	12,763	68,288	75,409
Kerosine	29,278	24,365	29,987	9,425	14,491	9,413
Gas oil	60,141	41,796	61,355	14,962	96,680	146,157
Italy—						
Aviation and motor spirits	1,293,140	1,789,917	1,672,459	1,769,572	1,452,182	1,579,596
do. (bunkers) (a) ..	12,298	27,383	12,361	25,924	42,738	40,038
White spirit	2,798	5,238	7,994	32,887	22,582	16,682
Kerosine	450,250	608,105	446,116	432,584	301,828	292,541
Lubricating oil	6,607	70,187	72,703	132,209	26,104	43,243
Gas oil	1,007,544	1,468,470	1,560,324	1,695,928	1,857,488	1,634,181
do. (bunkers) (a) ..	77,859	112,643	84,324	100,922	50,810	
Fuel oil	1,421,631	1,583,414	1,139,080	679,609	1,223,103	2,044,680
do. (bunkers) (a) ..	764,082	764,324	745,870	735,000	637,161	815,813
Paraffin wax	405	1,819	1,670	2,259	1,745	783
Asphalt and bitumen ..	11,388	10,130	13,173	13,028	11,089	7,500
Pitch	28,743	68,785	60,237	72,349	74,278	107,980
Netherlands—						
Aviation spirit (bunkers)	17,947	23,343	22,105	27,044	33,412	(a) 453
Motor spirit	1,453,592	1,837,890	1,925,085	1,866,565	2,186,670	2,326,815
Kerosine	197,589	193,057	184,673	224,614	384,544	514,854
Gas oil	713,808	1,295,849	1,762,157	1,744,122	1,923,376	2,041,032
do. (bunkers) (b) ..	435,867	477,672	584,421	681,975	657,846	(a) 324,676
Fuel oil	1,805,404	2,710,258	3,162,437	3,858,197	3,580,907	4,941,011
do. (bunkers) (b) ..	854,041	1,032,748	1,566,116	1,830,248	1,600,581	(a) 824,253
Lubricating oil	64,968	157,419	161,941	178,566	206,130	183,067
Petroleum jelly	740	1,815	2,830	2,606	2,724	3,121
Paraffin wax	2,524	3,931	3,315	1,361	1,714	7,262
Ozokerite and ceresin(d)	375	459	773	1,259	1,711	1,571
Pitch	74,371	137,103	185,973	110,519	92,263	78,471
Natural asphalt	—	1	26	5	10	8
Petroleum coke	1,172	5,828	5,853	5,488	5,642	20,183

(a) Bunkers for foreign ships or aircraft only.

(c) Including aviation turbine fuel.

(b) Including imported oil.

(d) Including montan wax.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Norway—						
Motor spirit	193	316	880	917	607	875
Kerosine	2	13	21	565	60	15
Fuel oil and solar oil ..	68	3,537	2,058	1,792	1,131	238
Lubricating oil	3,124	6,124	8,886	9,508	8,997	10,592
Portugal (d)—						
Motor spirit	1,772	79,841	90,867	86,326	68,840	102,892
Kerosine	128	16,460	14,619	13,773	26,269	37,904
Fuel oil	2,914	145,807	102,605	92,194	86,125	159,857
do. (bunkers) (f)	185	76	990	11,074	3,568	1,216
Lubricating oil, etc. ..	351	444	741	1,101	1,606	1,622
Sweden—						
Motor spirit	1,296	5,127	51	33	2	487
White spirit	12	9	285	115	—	—
Kerosine	30	—	2,212	5	—	505
Fuel oil and gas oil ..	19	7,337	259	7,322	9,508	2,309
Lubricating oil	1,306	656	1,373	6,591	11,347	14,253
Paraffin wax	101	13	36	20	5	4
Asphalt	162	32	14	26	62	138
Pitch	11,990	14,973	13,210	17,385	22,412	27,764
Switzerland—						
Asphalt and bitumen ..	2,126	4,360	4,968	4,029	6,237	4,321
U.S.S.R. (e)—						
Crude petroleum	} <i>n.a.</i>	} <i>n.a.</i>	2,870,000	3,835,400	5,829,700	8,949,000
Motor spirit			1,382,500	1,418,600	1,678,400	1,862,800
Kerosine			630,500	712,600	893,800	836,700
Diesel oil			1,326,400	1,976,600	2,656,000	3,429,000
Fuel oil			1,476,500	1,766,300	2,158,200	2,413,100
Lubricating oil and grease			149,400	154,100	198,900	305,500
Paraffin wax	12,000	11,200	11,100	11,900		
Bitumen	—	—	12,000	14,800	17,000	21,800
Yugoslavia—						
Motor spirit	—	—	—	5,570	41,417	37,197
White spirit	2,031	1,442	1,701	1,774	1,304	673
Power kerosine	—	—	—	3,556	6,383	589
Gas oil	15	10,856	7,411	15,582	14,985	9,157
Fuel oil	42,426	38,104	30,577	45,698	29,666	26,619
Mastic asphalt	—	1,214	1,920	6,749	—	—
Algeria—						
Crude petroleum	75,861	69,638	63,151	20,854	10,693	376,243
Motor spirit (a)	14,693	15,803	16,678	20,165	24,385	28,165
Fuel oil	424	87	126	33	2	1
Fuel oil and gas oil (a) ..	634,903	566,254	680,677	631,371	654,000	525,199
Lubricating oil	8	9	20	31	35	11
Angola—						
Crude petroleum	—	—	—	3,598	4,488	—
Canary Islands—						
Motor spirit	176,408	176,333	215,079	218,012	310,795	309,770
Kerosine	48,261	39,776	46,184	30,310	80,250	79,486
Diesel (c)	76,384	106,883	72,885	166,737	173,507	172,054
do. (bunkers) (c)	735,278	763,322	188,990	144,253	177,303	123,267
Fuel oil (c)	102,760	142,127	195,283	188,183	480,992	603,430
do. (bunkers) (c)	833,272	850,693	230,360	290,005	318,616	216,421
Lubricating oil	1,960	804	724	12,548	10,506	7,404
Paraffin wax	175	1,122	1,047	589	523	561
Asphalt	52,786	65,094	79,290	108,626	117,633	61,433

(a) Bunkers of foreign produce.

(b) Foreign produce. See imports.

(c) Including foreign produce.

(d) See imports for amounts imported for bunkering national ships.

(e) May include some foreign produce.

(f) Bunkers for foreign ships only.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Cape Verde Islands—						
Fuel oil (bunkers) (b)	457,797	690,849	440,514	433,702	529,433	455,992
Ceuta (b)—						
Diesel oil	1,070	1,084	2,715	76	7,214	50,487
do. (bunkers)	169,555	345,969	498,912	650,777	505,351	403,350
Fuel oil	2,453	—	—	—	—	—
do. (bunkers)	73,832	—	—	—	92,923	—
Egypt—						
Crude petroleum	—	—	—	—	236,000	1,104,963
Motor spirit	1,445	1,503	3,118	r 1,161	1,193	2,331
Kerosine	—	55	537	r 2,921	3,184	5,329
Gas and diesel oils	—	—	5,830	9,293	3,873	8,711
Fuel oil	293	358	282	111	290	3,437
do. (bunkers) (a)	128,106	128,064	127,867	r 119,571	13,364	18,005
Lubricating oil	1	291	111	—	300	—
French Equatorial Africa—						
Crude petroleum	—	—	—	—	140,000	446,621
Morocco (Southern)—						
Crude petroleum	29,092	11,598	—	—	—	—
Sudan—						
Aviation spirit (bunkers) (b)	10,195	11,221	13,417	13,742	22,209	n.a.
Tunisia (bunkers)—						
Aviation spirit	4,258	4,053	1,894	3,201	3,907	212
Fuel oil	16	3	71	340	64	—
Mexico—						
Crude petroleum	525,990	658,889	748,801	827,438	413,435	114,134
Motor spirit	5,283	5,372	4,467	3,121	29,636	3,859
Kerosine	3,330	2,780	3,261	1,963	1,480	458
Fuel oil	1,636,669	2,560,283	3,042,433	2,724,602	1,625,788	1,558,602
do. (bunkers)	108,454	91,656	128,386	163,471	165,970	76,030
Gas oil	20,068	16,599	15,958	3,542	69,395	8,715
Natural gas (million cu. ft.)	n.a.	n.a.	n.a.	11	7,140	23,366
Netherlands West Indies—						
Crude petroleum	616,198	2,034,819	2,617,923	2,054,676	587,699	507,975
Aviation spirit		1,088,723	1,159,251	1,339,431	1,301,733	1,448,616
Motor spirit	5,321,427	4,164,594	3,245,143	2,623,820	2,438,893	3,471,890
White spirit	n.a.	150,753	136,661	54,215	46,386	54,092
Kerosine	2,205,970	1,947,719	1,528,038	1,342,086	1,229,122	1,229,209
Aviation turbine fuel	n.a.	678,138	1,227,937	1,620,798	1,859,385	2,340,282
Gas oil	1,719,253	2,556,367	2,822,938	2,556,587	2,744,541	3,991,875
Diesel oil	3,652,925	2,193,609	2,313,976	2,612,650	1,916,776	1,926,428
Fuel oil	24,434,938	21,331,257	23,154,116	24,999,904	22,928,528	18,805,434
Lubricating oil	505,412	548,009	635,615	688,656	602,087	617,446
Asphalt	487,729	582,145	702,881	617,596	683,698	746,627
United States—						
Crude petroleum	2,737,377	1,862,864	1,571,294	3,907,402	6,850,504	592,866
Natural gasoline	108,679	68,001	14,871	22,867	5,193	404
Aviation spirit	1,441,302	1,846,413	1,748,153	1,618,717	1,647,178	1,326,260
Motor spirit	1,622,647	858,972	869,571	1,057,336	1,447,482	644,359
Other finished light products	154,930	150,886	179,825	129,455	147,421	121,601
Kerosine	819,514	509,269	317,818	366,013	625,450	145,140
Aviation turbine fuel	52,243	18,827	15,307	23,224	13,043	22,274
Gas oil and distillate fuel oil	4,155,631	3,063,548	3,041,712	4,454,748	6,309,909	2,400,356
Residual fuel oil	2,905,061	2,967,464	4,011,414	3,230,246	4,794,343	3,298,243
Fuel oil (bunkers)	9,945,000	10,970,000	11,785,000	11,935,000	13,765,000	12,293,000
Lubricating oil	1,684,172	1,990,168	1,879,850	2,412,643	1,808,751	1,687,949
Transformer oil	23,923	26,367	20,130	28,347	27,370	24,743

(a) Bunkers for foreign ships only.

(b) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
United States (<i>cont.</i>)—						
Greases	43,156	54,524	58,300	56,717	58,842	45,995
Paraffin wax	128,615	151,943	137,121	93,515	107,623	91,368
Petroleum jelly	32,710	39,236	44,143	41,075	36,126	34,252
Natural asphalt and bitumen,	18,315	26,929	29,217	27,539	27,493	24,591
Other asphalt, etc.	247,562	259,399	239,752	210,144	250,748	175,854
Petroleum coke	645,060	573,883	797,026	1,138,544	924,288	786,751
Liquefied petroleum gases	250,612	330,083	357,003	360,614	382,908	240,809
Natural gas (<i>million cu. ft.</i>)	28,322	28,726	31,029	35,963	41,655	40,543
Argentina—						
Grahamite ("Rafaelite")	955	1,207	1,627	1,214	1,393	1,832
Bolivia—						
Crude petroleum	739	10,001	58,583	68,054	131,886	149,900
Motor spirit	—	2,101	14,465	22,273	21,995	16,739
Kerosine	—	—	825	1,046	1,265	1,141
Chile—						
Crude petroleum	147,875	125,000	—	16,000	46,417	—
Colombia—						
Crude petroleum	4,534,737	4,270,262	3,537,395	4,027,967	3,966,031	3,359,987
Fuel oil	—	32,053	148,083	167,085	270,015	639,271
Ecuador—						
Crude petroleum	168,915	175,889	191,157	114,203	163,157	95,180
Peru—						
Crude petroleum	303,644	299,182	307,943	358,227	427,445	310,000
Natural gasoline	21,953	28,195	29,333	20,331	19,538	<i>n.a.</i>
Aviation spirit	14,770	22,942	47,714	39,378	52,038	39,000
Motor spirit (<i>c</i>)	107,425	129,764	124,486	88,210	87,558	35,000
White spirit	688	2,405	2,279	642	9	<i>n.a.</i>
Kerosine	36,386	65,666	93,454	96,860	129,508	93,000
do. Power	—	—	92	379	—	1,000
Gas oil (<i>c</i>)	52,711	110,569	252,513	315,712	133,192	<i>n.a.</i>
Fuel oil and diesel oil do. (bunkers)	123,083	59,142	4,143	52,079	142,117	170,000
Lubricating oil and grease	2,291	2,297	3,150	2,306	1,631	1,000
Asphalt	543	1,728	1,258	3,144	681	<i>n.a.</i>
Uruguay (<i>a</i>)—						
Motor spirit	33,400	<i>n.a.</i>	<i>n.a.</i>	3,000	4,000	4,000
Kerosine	100	<i>n.a.</i>	<i>n.a.</i>	—	100	100
Gas oil and diesel oil	22,100	<i>n.a.</i>	<i>n.a.</i>	40,000	43,000	40,000
Fuel oil	179,000	<i>n.a.</i>	<i>n.a.</i>	225,000	179,000	159,000
Venezuela—						
Crude petroleum	68,649,905	74,440,279	83,680,811	96,222,721	106,634,686	96,650,000
Motor spirit	1,661,487	1,561,393	1,399,860	1,117,137	1,402,057	1,568,000
Kerosine	266,086	324,398	522,133	550,827	558,318	383,000
Gas oil	963,805	1,535,699	2,778,959	2,912,410	2,545,487	5,274,000
Diesel oil	1,574,141	1,378,675	1,471,623	1,558,871	1,873,097	18,525,000
Fuel oil	12,306,081	13,200,827	14,827,209	17,497,286	18,010,505	175,000
Lubricating oil	98,471	166,473	130,707	157,952	121,596	175,000
Asphalt	49,111	25,088	33,394	189,962	495,199	969,000
Burma—						
Paraffin wax	<i>n.a.</i>	1,995	3,640	3,224	4,882	5,457
Formosa—						
Asphalt	—	—	—	5,118	12,760	4,931

(a) Bunkers on foreign ships only.

(b) Years ended March 20 following that stated.

(c) Including bunkers.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Indonesia—						
Crude petroleum ..	2,053,444	2,266,487	3,125,706	4,341,725	6,839,804	7,226,632
Motor spirit	1,958,757	1,765,941	1,707,863	1,485,427	1,816,272	1,401,743
White spirit	75,256	80,272	91,181	76,267	56,972	70,250
Kerosine	678,571	784,214	499,623	419,683	916,146	380,543
Gas and diesel oils ..	1,981,355	1,861,084	1,431,737	1,295,022	1,585,532	1,156,930
do. do. (bunker oil) ..	214,571	199,011	164,763	129,185	121,054	78,088
Fuel oil	1,999,014	2,229,700	2,005,813	2,084,163	3,536,477	2,483,162
do. (bunker oil) ..	533,960	435,654	349,417	375,370	408,247	284,492
Lubricating oil ..	84,646	64,269	84,722	92,378	23,480	31,693
Paraffin wax	40,528	75,278	77,153	61,817	62,778	42,386
Asphalt	156	42	15	15	—	—
Iran (c)—						
Crude petroleum ..	41,003	1,906,497	r 9,772,028	14,190,363	19,117,782	n.a.
Motor spirit	144,285	r 334,596	r 1,560,379	4,454,291	3,987,031	n.a.
Kerosine	358	141,529	r 715,529	1,417,190	1,716,704	n.a.
Gas oil	—	66,924	} r 3,074,096	3,064,438	6,031,177	n.a.
Diesel oil	23,197	98,804				
Fuel oil	25,653	999,280				
Iraq—						
Crude petroleum ..	26,985,727	29,184,942	31,643,663	29,169,832	19,938,000	33,255,000
Motor spirit	1,118	777	642	698	115	n.a.
Kerosine	678	507	456	434	71	n.a.
Bitumen	351	1,332	1	—	—	n.a.
Japan—						
Aviation spirit (foreign produce) (a) ..	7,635	5,727	45,844	36,509	45,048	49,701
Motor Spirit	216	157	56	1	10,735	207,892
Fuel oil, etc. (a)						
Domestic produce ..	335,502	175,511	170,744	227,919	136,919	118,383
Foreign produce ..	333,952	452,088	932,783	1,617,063	2,015,099	1,706,886
Paraffin wax	207	1,797	5,564	8,767	8,395	12,592
Asphalt and pitch ..	1,147	1,830	15,219	6,094	2,499	2,056
Lebanon—						
Fuel oils	3,244	2,827	1,642	—	—	—
Netherlands New Guinea—						
Crude petroleum ..	237,000	491,200	477,954	357,632	326,486	262,782
Neutral Zone (b)—						
Crude petroleum ..	—	812,000	1,126,000	1,650,000	3,242,000	4,000,000
Saudi Arabia—						
Crude petroleum ..	30,812,126	35,618,910	36,884,697	38,154,060	38,515,549	41,085,199
Syria—						
Diesel oil	—	2,354	5,044	—	—	n.a.
Fuel oil	7,688	6,187	2,074	—	—	n.a.
Natural asphalt ..	2,956	3,480	3,853	2,955	4,675	n.a.

(a) Bunkers.

(b) Neutral Zone of Kuwait and Saudi Arabia.

(c) Years ended March 20 following that stated.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Crude petroleum ..	25,631,425	28,047,006	28,062,953	28,823,183	27,960,498	34,007,388
Aviation spirit (a) ..	502,448	319,348	256,796	337,000	334,192	293,946
Aviation turbine fuel ..			33,863	56,635	20,000	19,710
Motor spirit ..	1,091,901	1,025,115	1,492,997	1,568,954	1,967,228	1,914,264
Other spirit ..	291,803	161,983	116,182	158,682	275,385	123,755
Kerosine—Power ..	866,249	710,674	678,701	467,177	501,336	265,384
do. Other ..	512,076	592,925	387,099	296,865	490,284	517,706
Aviation jet fuel ..			467,851	608,167	473,621	328,223
Fuel oil (a) ..	963,472	1,593,909	2,305,769	3,070,979	3,827,185	4,778,120
Diesel oil ..	223,931	211,922	227,564	240,907	180,432	85,332
Gas oil ..	1,107,422	1,291,372	1,849,432	1,765,857	2,080,135	1,874,365
Lubricating oil ..	451,150	463,033	444,385	458,373	394,150	410,094
Mineral jelly ..	9,131	7,744	11,055	9,279	8,261	5,381
Paraffin wax ..	14,045	40,209	37,583	33,602	33,372	30,216
Other petroleum wax ..	4,498	7,757	7,604	8,327	6,985	6,949
Ozokerite ..	(c) 29	11	8	3	—	—
Petroleum coke ..	9,726	18,820	27,492	24,654	30,876	49,333
Asphalt and bitumen (d) ..	61,256	64,607	81,018	69,117	74,371	68,614
Channel Islands—						
Aviation spirit ..	2,554	2,568	3,131	3,902	4,448	n.a.
Motor spirit ..	17,335	17,651	18,247	19,746	18,033	n.a.
Other spirit (b) ..	82	80	68	71	68	n.a.
Kerosine ..	1,810	1,988	1,816	2,460	2,102	n.a.
Gas and fuel oil ..	26,314	27,289	32,826	41,776	40,918	n.a.
Lubricating oil ..	1,016	1,108	1,242	1,273	1,067	n.a.
Greases (b) ..	19	13	16	22	17	n.a.
Gibraltar (e)—						
Motor spirit, fuel oil, etc. ..	5,174	5,000	5,000	5,000	5,000	5,000
Kerosine ..	244	217	269	299	288	300
Malta—						
Aviation spirit (a) ..	30,634	26,438	19,801	34,621	27,721	22,831
Motor spirit ..	15,807	15,831	21,572	18,174	18,251	16,646
Aviation turbine fuel (a) ..	7,729	12,731	5,926	5,161	4,002	809
Kerosine ..	25,781	29,422	35,988	57,202	62,287	75,073
Fuel oil (a) ..	31,729	30,865	31,316	32,082	38,080	33,575
Gas oil (a) ..	15,043	15,385	15,825	15,736	19,459	17,054
Lubricating oil ..	666	982	1,350	1,519	1,343	1,068
Gambia—						
Aviation spirit ..	(c) 707	926	(c) 1,270	477	669	(c) 87
Motor spirit ..	1,161	1,994	2,271	2,221	2,858	2,598
Kerosine ..	406	549	563	645	576	822
Gas and diesel oil ..	1,394	1,710	1,844	2,377	3,167	3,823
Lubricating oil ..	51	167	232	243	262	293
Asphalt and bitumen ..	104	82	256	4	—	(f) 243
Ghana—						
Aviation spirit (a) ..	3,413	1,323	3,197	3,565	6,253	5,617
Motor spirit ..	82,126	96,914	106,724	110,119	132,464	136,740
Kerosine ..	29,116	24,215	34,806	27,098	39,767	40,848
Fuel oil (a) ..	30,327	30,350	49,925	42,979	42,041	69,867
Gas oil (a) ..	79,054	51,658	50,087	66,925	85,258	103,906
Diesel oil ..	2,600	28,045	57,735	24,890	29,822	3,514
Lubricating oil ..	4,887	9,179	11,547	9,832	11,020	9,686
Greases ..	269	380	679	347	314	480
Asphalt and bitumen ..	9,693	11,280	17,847	13,355	17,641	8,859

*Excluding the United Kingdom, the following rates have been used for converting Imperial gallons to long tons: Aviation spirit 315, Motor spirit 305, Kerosine 275, Gas oil 260, Diesel oil 256, Fuel oil 240, Lubricating oil 250, Crude petroleum 245, Asphalt 220, Road oil 220.

(a) Including imports for bunkering purposes. See exports.

(b) Jersey only.

(c) Excess of re-exports.

(d) Natural.

(e) Excluding imports for bunkers.

(f) Including pitch.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Kenya—						
Aviation spirit (b) ..	8,120	24,110	11,351	17,581	13,514	16,107
Motor spirit (b) ..	78,559	97,493	121,169	118,340	100,263	113,100
Kerosine—Power ..	10,043	11,423	11,402	12,566	12,221	26,034
do. Other ..	16,830	25,870	21,181	23,699	26,885	37,858
Gas, diesel, fuel oils (b) ..	475,464	484,711	548,235	608,484	630,404	531,181
Lubricating oil (b) ..	5,466	7,563	12,557	8,279	8,906	13,034
Greases ..	600	704	549	621	659	647
Petroleum jelly ..	25	50	181	425	(a) 75	209
Paraffin wax ..	—					
Asphalt ..	n.a.	7,196	10,627	14,372	13,607	9,832
Mauritius—						
Aviation spirit (b) ..	939	705	1,171	1,191	1,389	2,279
Motor spirit ..	16,264	18,951	16,682	25,802	24,275	24,680
Kerosine ..	2,776	3,726	3,004	4,525	3,548	3,590
Lubricating oils ..	1,507	1,667	1,283	1,424	1,444	1,586
Gas, diesel, fuel oils (b) ..	17,231	14,229	12,785	22,992	27,699	22,274
Grease ..	176	136	137	150	109	97
Asphalt and pitch ..	1,887	1,498	2,474	1,613	4,766	3,635
Nigeria—						
Aviation spirit ..	14,656	16,433	16,386	15,046	28,194	30,876
Motor spirit ..	106,958	138,833	135,044	166,237	161,126	160,041
White spirit ..	n.a.	182	118	97	142	160
Aviation turbine fuel ..	n.a.	2,700	2,583	(a) 44	4,303	4,145
Kerosine ..	44,700	49,936	52,212	70,049	62,768	69,531
Gas oil (b) ..	15,434	20,120	24,913	29,235	27,327	31,414
Diesel oil (b) ..	19,244	13,686	23,293	49,889	57,560	103,556
Fuel oil (b) ..	19,052	22,105	39,563	29,917	37,067	36,425
Lubricating oil ..	5,446	8,076	10,733	9,172	13,082	12,504
Greases ..	n.a.	407	484	426	457	627
Petroleum jelly ..	n.a.	193	114	131	213	413
Asphalt and bitumen ..	11,482	17,036	21,722	13,356	11,838	25,989
Northern Rhodesia—						
Aviation spirit ..	3,142	(c)	(c)	(c)	(c)	(c)
Motor spirit ..	36,906					
Kerosine—Power ..	2,912					
do. Other ..	3,774					
Fuel oil ..	16,693					
Lubricating oil ..	3,874					
Asphalt and bitumen ..	1,341					
Nyasaland—						
Motor spirit ..	9,964	(c)	(c)	(c)	(c)	(c)
Kerosine ..	2,299					
Fuel oil ..	5,653					
Lubricating oil ..	829					
St. Helena—						
Motor spirit ..	105	231	206	252	123	252
Kerosine ..	78	90	78	95	65	125
Diesel oil ..	70	221	36	222	85	135
Lubricating oil ..	6	28	6	18	7	18
Seychelles—						
Motor spirit ..	371	329	228	396	208	263
Kerosine ..	251	257	222	210	265	269
Fuel oil ..	207	205	186	311	196	302
Lubricating oil ..	26	n.a.	n.a.	n.a.	n.a.	n.a.
Sierra Leone—						
Aviation spirit (b) ..	337	748	695	911	(a) 185	717
Motor spirit ..	7,031	6,809	9,997	14,073	17,886	16,499
Kerosine ..	6,605	8,235	7,987	9,365	12,734	9,650
Gas oil (b) ..	4,204	4,718	5,771	4,857	3,987	5,025

(a) Excess of re-exports.

(b) Including imports for bunkering purposes. See exports.

(c) See under Southern Rhodesia.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958	
COMMONWEALTH COUNTRIES (cont.)							
Sierra Leone (cont.)—							
Diesel oil (d)	762	1,466	466	20,082	81,330	76,077	
Fuel oil (d)	6,318	5,261	7,186	45,439	237,855	151,617	
Lubricating oil	882	616	980	1,423	1,274	1,529	
Asphalt and bitumen ..	336	1,071	1,011	2,094	2,211	4,017	
Somaliland Protectorate—							
Aviation and motor spirit	3,228	3,075	3,442	3,534	3,628	3,908	
Kerosine	696	564	603	532	598	738	
Gas oil and diesel oil ..	670	730	878	957	1,765	1,587	
Lubricating oil	146	76	131	146	170	140	
Southern Rhodesia (b)—							
Aviation spirit	6,269	11,209	12,552	12,541	12,331	10,944	
Motor spirit	103,577	175,298	188,216	215,328	221,074	240,589	
Kerosine—Power	18,892	21,862	21,324	20,234	16,461	18,868	
do. Other	8,012	17,073	17,274	21,260	20,085	22,013	
Fuel oil	34,667	71,646	87,532	140,169	150,328	167,493	
Lubricating oil	6,342	16,238	18,512	17,582	21,874	19,034	
Other petroleum products	671	2,556	3,665	6,780	13,235	15,061	
Greases	n.a.	1,417	(c) 2,243	(c) 1,915	(c) 2,456	(c) 1,705	
Paraffin wax	520	841	743	1,090	1,435	1,060	
Asphalt and bitumen ..	7,473	16,298	26,457	22,801	27,426	23,480	
South West Africa—							
Motor spirit	27,697	28,611	(a)	(a)	(a)	(a)	
Kerosine—Power	2,922	2,666					
do. Other	3,457	3,825					
Diesel oil	30,317	35,943					
Lubricating oil	1,866	2,224					
Asphalt and bitumen ..	31	767					
Tanganyika—							
Aviation spirit (d)	3,813	1,413	3,275	3,513	3,614	2,724	
Motor spirit	49,274	52,404	53,318	65,514	75,019	72,204	
Kerosine—Power	2,334	1,829	1,556	1,279	1,799	838	
do. Other	14,862	16,043	23,150	19,814	29,129	24,591	
Gas, diesel, fuel oils (d)	54,876	63,788	98,829	125,588	145,554	172,645	
Lubricating oil	2,746	4,239	7,234	5,285	4,716	6,320	
Greases	453	261	412	448	374	503	
Petroleum jelly	20	34	72	75	43	75	
Paraffin wax	—						
Asphalt	n.a.		4,246	7,165	7,727	4,630	4,237
Uganda—							
Aviation spirit (d)	4,346	4,538	6,875	4,187	4,269	4,548	
Motor spirit	41,720	44,398	54,547	54,997	55,057	55,535	
Kerosine—Power	5,299	1,191	1,015	1,794	2,340	2,711	
do. Other	13,252	15,877	18,054	21,007	19,422	19,316	
Gas, diesel, fuel oils	35,759	25,237	29,021	30,536	37,815	46,142	
Lubricating oil	2,316	3,560	4,110	3,590	3,245	3,745	
Greases	193	259	288	404	295	339	
Petroleum jelly	26	61	52	43	51	64	
Paraffin wax	3						
Asphalt	n.a.		1,741	1,914	1,346	3,647	4,046
Union of South Africa—							
Crude petroleum	28,908	773,151	1,007,895	1,038,216	1,138,813	1,381,367	
Motor spirit (d)	1,187,412	978,807	1,031,523	1,116,556	1,029,563	1,126,350	
Other spirit	9,925	15,189	15,072	16,387	16,097	19,102	
White spirit	22,511	21,436	30,957	26,545	27,110	31,610	
Kerosine—Power	307,316	346,112	327,043	332,542	315,195	295,483	
do. Other	148,387	152,557	147,250	155,621	144,555	184,188	
Gas oil	380,898	348,948	312,237	422,964	453,866	477,397	
Diesel oil (d)			80,994	133,337	165,238	64,877	

(a) Included with Union of South Africa.

(c) Including mineral jelly.

(b) Federation of Rhodesia and Nyasaland from 1954 inclusive.

(d) Including imports for bunkering purposes. See exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Union of South Africa (cont.)—						
Fuel oil (b)	245,917	198,378	166,048	415,739	716,511	151,497
Lubricating oil	69,293	96,675	125,249	105,058	127,350	96,017
Transformer oil	5,332	3,910	4,790	4,602	4,815	5,374
Road oil	5,504	3,002	2,881	1,831	895	382
Other oils	1,880	2,656	3,411	4,120	3,328	3,027
Paraffin wax	14,535	17,895	20,727	19,264	20,847	15,051
Asphalt and bitumen	38,981	28,860	35,638	32,960	37,539	37,116
Petroleum jelly	2,491	3,395	3,191	3,291	3,122	2,943
Zanzibar—						
Aviation and motor spirit	354	3,810	4,174	4,303	4,235	4,043
Kerosine, etc.	3,144	2,865	3,214	3,541	3,595	3,031
Fuel oils	2,259	748	2,079	2,461	2,996	3,230
Canada—						
Crude petroleum	11,353,974	11,253,182	12,382,567	15,210,002	16,001,053	14,862,686
Tops for refiners	273,592	14,177	14,536	21,807	—	23,162
Aviation spirit	253,528	262,180	345,613	327,639	372,086	262,621
Motor spirit	694,252	437,721	335,995	333,687	299,827	332,222
Kerosine, etc.	97,916	69,279	44,454	73,284	58,685	37,807
Lubricating oils	139,767	138,268	177,701	176,010	162,499	139,649
Diesel oil	277,993	247,493	318,794	263,196	223,536	229,228
Fuel oil	2,709,382	3,159,639	3,368,011	3,361,871	3,034,524	2,763,151
do. (a)	78,319	34,340	7,115	—	223	2,388
Other petroleum oils	11,147	8,054	7,088	7,525	6,249	3,649
Liquefied petroleum gas	117,442	118,446	99,207	91,442	96,983	38,915
Grease	9,015	6,333	8,352	8,136	7,860	6,960
Paraffin wax, etc.	16,574	15,418	19,164	19,316	19,405	19,921
Asphaltum oil, etc.	—	641	283	304	2,038	2,495
Asphalt	20,175	27,963	25,707	28,908	38,242	23,231
Petroleum coke	260,658	254,713	361,352	394,286	380,024	268,073
Other products	58,284	44,930	57,189	86,214	75,035	89,646
Natural gas (million cubic feet)	6,097	6,236	11,166	15,695	30,551	34,716
British Guiana—						
Aviation spirit (b)	292	530	3,098	1,225	1,195	1,859
Motor spirit	10,962	12,843	13,973	16,005	16,946	17,554
Kerosine	6,074	7,659	9,048	10,224	11,771	12,983
Gas, diesel and fuel oils	126,387	128,516	139,352	149,233	140,562	112,613
Lubricating oil	1,416	2,426	2,037	1,766	2,449	2,181
Paraffin wax	10	21	12	12	11	23
Petroleum jelly	n.a.	66	16	67	38	53
Road oil	n.a.	786	590	785	1,108	1,212
Asphalt and bitumen	n.a.	244	401	250	295	1,060
Asphalt natural	349	389	263	347	137	558
British West Indies—						
Bahamas—						
Motor spirit	12,308	12,921	17,262	16,990	23,164	23,623
Kerosine	3,895	3,978	4,418	5,316	6,487	7,059
Fuel oils	13,817	14,237	22,104	23,329	24,629	26,029
Lubricating oil	344	376	484	612	808	540
Barbados—						
Crude petroleum	8,398	8,338	5,680	8,204	6,719	5,581
Aviation and motor spirit	9,182	10,792	11,238	12,274	10,494	11,497
Kerosine	6,195	8,105	8,449	9,359	8,952	10,109
Gas oil and diesel oil	6,880	7,420	8,740	7,067	3,803	10,612
Fuel oil	—	—	—	—	7,728	3,001
Lubricating oil	584	547	758	672	709	812
Road oil	18	2,182	75	41	17	24

(a) Ex warehoused, for ships' stores.

(b) Including imports for bunkering purposes. See exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
British West Indies— (cont.)						
Bermuda (b)—						
Aviation and motor spirits	50,111	46,726	56,308	77,397	88,560	n.a.
Aviation turbine fuel	n.a.	5,978	4,516	5,905	5,005	n.a.
Kerosine	1,776	1,848	1,595	2,878	4,654	n.a.
Diesel oil	13,415	19,119	14,640	18,537	19,157	n.a.
Fuel oil	16,117	5,791	21,808	10,227	25,232	n.a.
Lubricating oil	988	1,030	777	r 1,205	1,662	n.a.
Asphalt	634	1,319	1,338	640	1,584	n.a.
Cayman Islands—						
Aviation and motor spirits	268	300	414	783	946	1,598
Kerosine	190	216	216	219	331	474
Diesel oil	31	35	47	188	180	297
Dominica—						
Motor spirit	647	686	841	888	n.a.	1,028
Kerosine	430	455	446	489	n.a.	466
Fuel oil and diesel oil	480	464	428	517	n.a.	602
Lubricating oil	40	48	41	68	n.a.	79
Road oil	34	56	n.a.	67	n.a.	115
Grenada—						
Motor spirit	1,652	1,839	2,010	2,278	1,975	2,235
Kerosine	891	933	1,005	1,021	961	1,371
Fuel oil	434	651	794	956	1,014	n.a.
Lubricating oil	35	62	103	100	90	95
Road oil	391	464	446	467	528	n.a.
Jamaica (c)—						
Aviation spirit (b)	12,200	14,628	17,118	19,185	18,688	15,312
Motor spirit	40,479	45,496	40,810	49,737	55,959	60,884
Kerosine	13,068	15,273	16,980	20,155	22,301	25,937
Gas oil (b)	30,296	27,677	22,445	(a) 5,734	47,520	41,731
Diesel oil (b)	47,315	44,190	35,318	56,393	75,073	67,671
Fuel oil (b)	203,509	265,326	206,767	309,897	391,612	366,038
Lubricating oil	2,744	3,169	3,819	4,146	3,796	3,640
Grease	262	208	290	327	480	385
Petroleum jelly	156	168	111	147	159	207
Paraffin wax	28	26	29	22	16	16
Natural asphalt	6,879	5,201	7,037	7,684	8,613	3,027
Leeward Islands—						
Motor spirit	1,316	1,404	3,298	3,000	3,337	n.a.
Kerosine	1,595	1,340	r 2,674	1,542	2,481	n.a.
Gas oil	3,260	2,437	r 1,132	1,067	1,027	n.a.
Diesel oil	127	1,386	1,778	2,359	2,998	n.a.
Fuel oil	132	177	492	246	216	n.a.
Lubricating oil	176	200	561	199	305	n.a.
St. Lucia—						
Motor spirit	1,950	868	920	1,091	1,048	1,081
Kerosine	409	454	500	866	531	580
Fuel oil	659	723	1,228	5,051	1,946	2,057
Lubricating oil	55	66	105	106	106	109
Road oil	786	604	714	906	1,020	604
St. Vincent—						
Motor spirit	878	918	1,051	1,142	1,185	1,502
Kerosine	550	569	603	547	682	883
Gas, diesel and fuel oils	359	253	163	90	253	392
Lubricating oil	51	61	70	67	55	90
Road oil	162	198	200	221	602	717
Asphalt, tar and pitch	4	6	5	2	3	2

(a) Excess of re-exports.

(b) Including imports for bunkering purposes. See exports.

(c) Total imports 1953.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
<i>(cont.)</i>						
British West Indies						
<i>(cont.)—</i>						
Trinidad and Tobago—						
Crude petroleum ..	2,306,232	2,324,496	2,481,671	2,561,513	2,556,239	3,602,473
Aviation and motor spirits	29,634	4	233	8	(b) 8	1,440
Kerosine	—	—	—	—	4,401	1,720
Gas oil	—	26,753	113,315	75,966	57,523	113,051
Fuel oil	3,135	2	3	3	(b) 305	—
Lubricating oil ..	3,235	4,468	4,168	4,398	8,853	4,732
Greases	230	301	370	320	292	(b) 336
Petroleum jelly ..	118	66	91	123	62	105
Paraffin wax ..	18	21	14	5	8	104
British Honduras—						
Aviation spirit ..	(b) 112	587	383	(b) 484	224	(b) 209
Motor spirit	3,928	3,887	3,859	4,249	3,976	4,729
Kerosine	1,750	1,627	2,042	2,160	1,941	2,919
Diesel and fuel oils ..	2,944	3,645	3,926	3,417	2,989	4,463
Lubricating oil ..	375	236	427	525	396	326
Asphalt	1,620	1,272	491	188	489	966
Falkland Islands—						
Motor spirit	135	236	255	250	210	266
Kerosine	59	106	127	94	11	128
Gas and diesel oils ..	898	1,088	2,383	772	8,454	8,472
Fuel oil (c)	54,398	104,199	175,184	107,814	97,311	115,314
Lubricating oil ..	113	169	196	195	114	349
Aden Colony—						
Crude petroleum ..	—	—	4,265,197	4,585,746	4,416,767	3,691,645
Motor spirit	8,770	1,228	78	23,626	(b) 2,552	20,661
Kerosine	6,583	3,799	2,059	—	—	10,792
Gas oil	88,261	55,458	} 960,585	} 529,991	} 552,294	} 1,377,669
Fuel oil (c)	2,386,977	3,566,416				
Lubricating oil ..	2,159	2,010	2,788	2,603	4,036	n.a.
Asphalt and bitumen ..	13,186	8,984	n.a.	n.a.	n.a.	n.a.
Aden Protectorate (d)—						
Motor spirit	2,560	1,107	407	6,084	11,753	8,455
Kerosine	83	122	1,348	4,629	5,123	6,441
Gas oil	1,001	1,400	} 28	} 66,912	} 4,332	} 7,860
Fuel oil	—	50				
Lubricating oil ..	102	67	64	165	176	207
Bahrain Islands (a)—						
Crude petroleum ..	8,128,900	9,059,300	8,397,900	8,057,300	7,295,000	7,341,000
British Borneo—						
Brunei—						
Motor spirit	7,306	7,421	2,420	2,657	4,485	4,176
Kerosine	1,347	1,837	798	768	1,139	837
Diesel oil	10,263	8,928	2,326	1,282	2,695	182
Fuel oil	534	1,690	537	95	—	592
Lubricating oil ..	1,907	1,001	2,171	271	2,884	1,345
Grease	54	169	483	11	52	38
North Borneo—						
Motor spirit	7,281	4,360	2,920	2,298	683	1,191
Kerosine	3,363	4,214	4,307	3,997	4,110	3,982
Gas, diesel and fuel oils	7,431	4,624	2,067	6,362	5,915	(b) 2,831
Lubricating oil ..	736	759	847	712	890	516
Asphalt and bitumen ..	n.a.	78	1,148	n.a.	n.a.	n.a.

(a) British Protected State.

(b) Excess of re-exports.

(c) Including imports for bunkering purposes. See exports.

(d) Exports from Aden Colony to the Protectorate.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
British Borneo (cont.)—						
Sarawak—						
Crude petroleum ..	4,798,933	4,707,024	5,175,032	5,548,598	5,441,292	5,125,219
Aviation spirit ..	308	363	414	591	667	577
Motor spirit ..	4,222	6,239	5,589	8,126	9,179	8,911
Kerosine ..	5,579	6,728	7,060	7,536	7,697	8,142
Gas oil ..	(c) 80	2,539	4,275	7,658	6,619	8,226
Diesel oil ..	6,293	5,051	3,981	3,203	5,545	6,154
Fuel oil ..	1,041	1,195	531	618	595	718
Lubricating oil ..	1,182	1,485	1,887	1,398	1,608	1,746
Paraffin wax ..	27	5	8	11	4	8
Mineral jelly ..	n.a.	40	26	53	35	46
Natural gas (million cubic feet) ..	2,056	1,958	2,800	2,779	2,545	2,480
Ceylon—						
Aviation spirit (b) ..	5,641	8,476	6,632	9,351	8,670	8,531
Motor spirit ..	124,355	117,946	125,467	109,289	177,113	141,613
Kerosine ..	70,907	80,335	92,146	99,377	110,155	122,594
Gas oil (b) ..	38,324	31,215	36,173	44,505	72,372	63,469
Diesel oil (b) ..	139,169	133,575	161,379	132,952	190,046	126,587
Fuel oil (b) ..	442,637	365,460	511,598	375,750	805,776	429,870
Lubricating oil ..	4,679	6,041	7,953	8,826	10,190	7,279
Other oils and greases ..	132	209	415	367	759	388
Asphalt (incl. natural) ..	7,443	3,533	4,341	17,533	4,347	8,763
Cyprus—						
Aviation and motor spirits (b) ..	44,060	53,056	48,619	72,479	58,408	67,555
Aviation turbine fuel ..	n.a.	n.a.	n.a.	n.a.	35,738	59,300
Kerosine, etc. ..	19,126	19,538	32,561	62,945	22,432	22,602
Fuel oils ..	56,235	74,180	74,304	106,572	159,016	141,702
Lubricating oil ..	2,189	2,142	3,160	3,007	3,158	2,642
Paraffin wax and petroleum jelly ..	75	183	106	126	164	184
Asphalt and bitumen ..	5,609	5,522	10,626	10,520	5,512	5,491
Hong Kong (a)—						
Aviation spirit ..	11,095	16,952	9,647	15,400	11,899	19,003
Motor spirit ..	40,570	45,897	49,132	63,759	45,473	56,260
White spirit ..	1,551	2,553	2,856	4,124	3,468	3,844
Kerosine ..	42,770	51,037	64,565	86,770	75,754	79,082
Diesel oil and gas oil ..	101,616	140,102	118,973	160,929	178,254	176,854
Fuel oil ..	447,896	533,642	541,177	699,823	725,464	760,466
Lubricating oil ..	2,974	5,200	7,214	14,536	9,228	7,577
Greases ..	217	322	482	390	594	385
Petroleum jelly ..	197	411	284	97	68	157
Paraffin wax ..	760	1,642	1,722	955	1,174	887
Asphalt and bitumen ..	1,190	1,390	4,580	7,354	10,474	6,649
Asphalt (natural) ..	482	389	576	61	258	156
India—						
Crude petroleum ..	(f)	(f)	(d)2,637,148	4,073,637	3,463,319	1,779,734
Aviation and motor spirits (b) ..	857,996	756,562	351,099	116,191	142,914	70,831
Other spirit ..	129	4,221	7,572	—	1,112	139
Kerosine ..	933,764	1,138,308	966,262	996,441	1,163,311	940,579
Diesel oil ..	592,801	813,812	384,159	285,072	n.a.	2,718,221
Fuel oil (b) ..	(e) 752,793	(e) 716,494	183,241	27,261	22,080	32,978
Lubricating oil ..	164,247	222,015	157,701	194,575	290,160	161,106
Turpentine substitute ..	8,640	6,842	3,006	10,513	9,341	6,197
Other oils ..	39,493	39,614	99,611	83,430	n.a.	n.a.
Greases ..	1,744	2,483	4,559	4,752	3,700	3,255
Petroleum jelly ..	n.a.	n.a.	n.a.	n.a.	1,619	2,208

(a) Total imports.

(b) Including imports for bunkering purposes. See exports.

(c) Excess of re-exports.

(d) April to December only.

(e) Including crude petroleum.

(f) Included with fuel oil.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
India (cont.)—						
Paraffin wax	—	1	2	28	5	3
Asphalt	126,813	163,526	404,134	128,403	33,281	14,248
Kuwait (b) (d)—						
Diesel oil	—	5,976	10,939	57,907	196,302	18,442
Fuel oil	107,001	149,011	259,422	490,426	1,251,685	64,057
Malaya (a)—						
Crude petroleum	—	—	—	661,395	843,278	788,976
Aviation spirit	226,260	292,509	271,723	260,859	257,390	173,304
Motor spirit	1,183,509	1,194,463	1,238,961	1,240,431	1,129,833	993,531
White spirit	39,000	56,281	78,989	61,962	60,648	61,451
Aviation turbine fuel	2,013	n.a.	n.a.	33,316	44,291	116,275
Kerosine—Power	97,108	91,915	54,028	73,983	73,669	74,645
do. Other	316,810	286,642	389,718	398,566	349,100	289,789
Gas oil	851,567	768,164	748,891	783,619	785,756	755,001
Diesel oil	651,489	690,334	743,543	705,802	660,700	715,539
Fuel oil	2,052,131	2,393,670	3,030,055	2,791,339	2,932,940	2,477,186
Lubricating oil	22,078	24,388	33,229	34,311	35,389	30,113
Paraffin wax	1,903	2,016	2,423	5,090	2,712	2,538
Petroleum jelly	163	479	684	788	727	742
Grease	1,162	1,332	1,870	1,773	1,672	1,099
Asphalt and bitumen	30,043	40,254	48,912	176,937	139,689	49,053
Natural asphalt	n.a.	5,406	16	—	20	197
Pakistan (e)—						
Motor spirit	64,087	68,822	34,464	23,491	19,428	17,536
Other spirit	41,017	28,243	33,895	3,087	5,959	546
Kerosine	222,795	150,613	146,771	r 124,678	97,910	76,894
Diesel oil	156,762	160,033	208,883	162,115	180,384	195,242
Fuel oil	502,012	488,255	402,161	164,895	189,112	121,913
Lubricating oil	19,156	33,057	34,573	46,756	30,617	30,406
Other oils	390	1,844	1,930	6,410	(a) 690	12,515
Grease	7,623	1,913	749	1,604	1,242	1,062
Paraffin wax	356	632	631	543	760	1,662
Asphalt	4,535	6,778	18,642	8,445	11,989	6,615
Australia (c)—						
Crude petroleum	971,855	1,209,891	3,782,170	6,903,793	8,649,388	9,881,060
Aviation spirit (d)	136,470	145,058	137,029	152,917	103,964	84,839
Motor spirit	1,928,352	2,094,448	1,817,542	1,321,475	507,595	477,464
White spirit	32,985	41,789	48,514	58,135	53,030	55,258
Kerosine—Power	263,539	271,487	320,594	263,100	247,884	200,140
do. Other	193,603	223,762	224,849	206,989	166,511	167,829
Aviation turbine fuel				51,657	33,163	9,771
Lubricating oil	97,409	105,350	172,751	166,976	173,255	158,980
Gas and diesel oils	424,474	413,494				
Fuel oil	1,290,516	1,510,771	1,505,222	622,952	147,878	104,877
Other oils	6,928	6,412	1,589	169,587	181,625	63,972
Petroleum jelly	690	1,159	1,648	1,491	1,593	2,089
Paraffin wax	1,718	4,356	6,530	4,909	6,338	8,069
Mastic asphalt	—	110	n.a.	n.a.	n.a.	n.a.
Natural asphalt	627	604	18,170	1,818	1,578	2,191
Bitumen and pitch	24,331	2,133	7,757	5,344	645	1,083
Fiji—						
Aviation spirit (d)	8,148	10,165	10,659	11,885	16,120	19,138
Motor spirit	14,563	13,965	16,582	18,738	16,718	25,689
Kerosine	3,595	4,402	4,747	3,024	5,682	6,721
Diesel oil (d)	12,333	12,655	22,346	24,470	24,344	
Fuel oil (d)	5,177	1,477	3,203	4,298	3,378	24,117
Lubricating oil	350	1,158	1,130	1,468	1,153	1,359
Greases	86	87	222	253	215	159

(a) Total imports.

(b) British Protected State.

(c) Years ended June 30 of that stated.

(d) Including imports for bunkering purposes. See exports.

(e) Years ended March 31 following that stated, up to 1955 inclusive.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
<i>(cont.)</i>						
New Guinea (d)—						
Motor spirit	8,203	8,010	9,520	11,288	11,812	15,530
Kerosine	1,841	2,185	2,432	2,892	3,742	4,069
Fuel oils	8,897	8,071	13,289	10,399	10,306	15,076
Lubricating oil	494	778	756	<i>n.a.</i>	908	774
New Hebrides—						
Aviation and motor spirits	1,383	1,694	1,600	1,624	2,029	2,411
Kerosine	862	964	745	689	1,077	964
Other oils	694	1,853	1,717	1,309	1,706	3,013
New Zealand—						
Aviation spirit (b)	29,520	24,834	32,317	29,840	27,754	33,697
Motor spirit	620,185	671,101	708,959	766,289	809,460	755,319
White spirit	4,686	8,025	8,611	9,445	9,335	10,925
Aviation turbine fuel	<i>n.a.</i>	3,194	7,438	3,134	7,466	1,718
Kerosine—Power	10,002	11,099	10,567	9,836	6,992	3,348
do. Other	9,658	11,751	10,483	14,883	25,576	31,233
Gas oil	91,230	112,544	117,310	191,830	230,131	202,888
Diesel oil (b)	138,264	233,951	185,293	166,382	218,462	255,726
Fuel oil (b)	203,712	195,526	283,910	238,256	209,608	190,504
Lubricating oil (b)	17,855	30,035	32,496	45,288	31,310	33,908
Transformer oil	1,087	1,096	1,186	1,145	2,139	1,308
Other refined oils	6,244	6,460	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Petroleum jelly	23	40	132	738	346	127
Paraffin wax	704	1,642	1,016	336	1,999	1,396
Asphalt and bitumen	22,150	23,889	33,423	56,793	57,902	33,746
do. natural	9,361	3,589	4,301	5,068	791	1,768
Papua (d)—						
Motor spirit	4,649	5,756	6,088	7,412	10,652	7,126
Kerosine	723	257	702	692	377	202
Fuel oil	5,799	6,448	10,365	8,867	10,572	7,659
Lubricating oil	278	378	525	<i>n.a.</i>	715	578
Solomon Islands (c)—						
Motor spirit	303	<i>n.a.</i>	403	636	947	651
Kerosine	245	<i>n.a.</i>	246	232	245	446
Lubricating oil	213	<i>n.a.</i>	61	27	66	180
Western Samoa—						
Motor spirit	1,512	2,181	2,403	2,145	2,883	2,254
Kerosine	443	619	516	564	606	635
Fuel oil	523	595	909	980	1,297	1,251
Lubricating oil	19	85	89	23	21	50
Irish Republic—						
Aviation spirit (b)	6,941	6,964	4,850	6,442	8,552	469
Motor spirit	251,951	259,624	273,006	285,977	247,844	264,694
White spirit	2,259	2,931	2,965	3,143	3,591	2,916
Kerosine—Power	48,234	44,909	45,720	45,146	38,656	31,760
do. Other	59,094	66,578	71,311	65,998	64,978	81,684
Diesel oil, etc. (b)	182,811	194,746	259,206	747,091	193,914	217,859
Fuel oil (b)	139,553	216,970	329,929		410,894	359,493
Lubricating oil	15,911	17,071	20,026	21,255	15,220	18,463
Paraffin wax	1,128	1,937	(a) 2,215	(a) 1,841	(a) 1,919	(a) 1,368
Asphalt and bitumen	1,310	1,592	1,550	495	100	376

(a) Including other mineral jellies and waxes.

(b) Including imports for bunkering purposes. See exports.

(c) Years ended March 31 following that stated.

(d) Years ended June 30 of that stated.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
Austria—						
Motor spirit	1,320	30,100	95,649	101,392	145,862	207,803
Gas oil	—	11,614	28,861	11,632	1,471	6,649
Fuel oil	4	15,979	174,896	110,345	195,425	469,285
Lubricating oil, etc. ..	10,111	17,822	21,854	26,504	25,269	28,131
Petroleum jelly	154	221	253	183	179	244
Paraffin wax	2,185	2,935	3,549	3,444	3,840	4,005
Ozokerite and ceresin ..	343	624	628	729	688	649
Asphalt, bitumen, etc. ..	742	965	905	1,048	3,003	2,064
Petroleum coke	20,345	16,216	24,758	34,658	21,734	18,316
Tar and pitch	5,828	8,376	20,612	19,276	17,591	38,633
Belgium-Luxemburg						
E.U.—						
Crude petroleum	2,886,674	3,671,078	4,637,230	5,250,512	5,388,051	6,419,055
Motor spirit, etc.	542,370	344,853	348,089	335,266	382,413	407,178
Kerosine	54,444	54,131	28,866	32,276	28,409	32,780
Fuel oil and gas oil	1,221,246	1,381,454	1,704,246	2,156,076	2,343,626	2,214,067
Lubricating oil	117,290	159,961	176,883	185,898	181,488	161,791
Other heavy oils	3,287	4,137	4,739	4,470	3,782	4,596
Petroleum jelly	1,067	999	1,130	1,510	1,320	1,040
Paraffin wax	4,040	4,217	4,713	5,540	5,308	4,748
Ozokerite and ceresin (a)	186	277	342	470	409	482
Petroleum coke	20	40	446	107,712	55,969	63,834
Natural asphalt	5,066	6,415	7,067	6,820	4,900	3,829
Pitch	3,429	1,102	5,208	5,514	3,308	34,106
Denmark—						
Crude petroleum	20,725	32,595	29,999	18,885	29,696	638
Motor spirit	547,095	597,831	681,734	722,169	769,685	777,892
White spirit	6,452	12,044	9,901	12,142	12,292	11,765
Kerosine	46,490	40,189	121,171	107,987	118,068	131,821
do. Power	47,401	59,513				
Gas oil	316,824	349,529	412,573	524,853	630,789	745,959
Diesel oil	204,259	233,614	295,697	329,891	382,211	472,353
Fuel oil	857,922	1,116,299	1,523,739	1,826,031	1,790,068	2,047,567
Lubricating oil	34,367	43,965	50,527	46,148	49,292	53,215
Grease	563	713	708	837	827	924
Petroleum jelly	396	496	443	425	305	353
Ozokerite, etc.	431	600	526	736	730	737
Paraffin wax	2,395	3,134	3,728	4,212	3,542	4,756
Natural asphalt	1,130	942	396	548	838	734
Other asphalt	41,602	64,341	66,441	67,117	48,733	62,169
Faroe Islands—						
Motor spirit	1,315	1,029	1,325	1,530	1,684	n.a.
Kerosine	1,819	1,662	1,922	1,652	1,148	n.a.
Fuel oils	17,819	15,121	22,694	28,071	24,390	n.a.
Lubricating oil, etc. ..	378	386	396	427	409	n.a.
Finland—						
Crude petroleum	—	—	—	—	212,575	870,556
Motor spirit	297,389	331,386	353,150	346,611	340,594	112,513
White spirit	1,442	2,808	2,827	5,636	3,293	3,660
Kerosine	19,413	18,820	18,117	22,140	17,949	20,842
do. Power	51,060	50,102	52,480	49,164	37,357	15,948
Fuel oil	326,617	488,352	642,299	893,778	1,208,295	876,412
Lubricating oil	11,747	27,818	22,842	26,524	28,281	20,740
Petroleum jelly	99	218	212	215	184	234
Paraffin wax	816	2,149	2,320	2,584	1,851	1,856
Asphalt etc.	28,968	50,459	51,009	39,813	32,951	31,396
France—						
Crude petroleum	21,653,085	23,234,242	24,422,109	24,591,855	23,703,814	27,974,654
Aviation spirit	58,827	67,465	80,762	85,300	81,345	123,724
Motor spirit	77,130	176,331	330,832	348,660	472,170	520,106
Kerosine	5,370	7,759	8,481	11,049	36,279	13,708

(a) Including montan wax.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
France <i>(cont.)</i> —						
Lubricating oil	32,905	30,881	36,106	65,757	32,767	13,439
Fuel oil	111,670	273,894	260,073	354,320	880,551	486,411
Gas oil	59,655	4,930	1,569	70,887	748,269	332,551
Petroleum coke	31,658	47,840	72,295	72,241	70,732	68,961
Paraffin wax	1,593	632	1,290	3,220	5,409	2,077
Ozokerite and ceresin ..	5,119	4,252	4,727	4,643	5,809	4,634
Petroleum jelly	40	62	131	812	936	691
Natural asphalt and bitumen	1,874	3,979	2,799	2,981	3,588	3,642
Bitumen, etc.	1,230	1,084	2,282	458	736	497
Germany (Federal)—						
Crude petroleum	4,488,239	5,890,764	6,998,999	7,872,407	8,029,544	10,638,066
Aviation and motor spirits	76,487	99,415	211,046	456,116	420,586	424,263
Kerosine (a)	95	6,117	34,069	29,521	33,717	114,937
Gas and diesel oil	603,011	559,843	734,398	998,725	1,049,791	801,774
Fuel oil	172,649	576,952	1,603,757	3,175,930	3,842,671	4,766,253
Lubricating oil, etc. ..	56,327	70,018	107,646	116,914	128,955	107,138
Petroleum jelly	1,144	1,049	1,228	1,379	1,664	1,446
Paraffin wax	2,015	6,408	4,878	4,120	5,084	10,272
Ozokerite, etc.	660	918	1,131	482	240	500
Asphalt	4,346	7,087	6,544	8,475	7,533	9,179
Bitumen	10,345	7,051	24,983	53,579	60,829	89,511
Germany (East)—						
Crude petroleum	453,000	582,000	638,000	785,000	981,000	1,109,000
Greece—						
Aviation spirit	244,846	46,381	86,356	95,253	73,143	111,601
Motor spirit		227,584	212,323	165,729	160,667	161,724
Kerosine	85,386	94,791	r 93,598	102,835	103,567	116,869
Fuel oil and diesel oil ..	885,742	999,891	1,076,542	1,130,219	1,236,087	1,293,242
Lubricating oil, etc. ..	18,239	17,287	18,752	16,320	16,880	18,297
Petroleum jelly	162	95	90	n.a.	n.a.	n.a.
Asphalt and bitumen ..	7,046	40,271	r 20,828	10,040	16,373	19,939
Hungary—						
Crude petroleum	319,000	311,000	228,000	320,000	1,033,000	1,125,000
Motor spirit	17,007	27,211	10,818	35,798	27,896	10,110
Kerosine	10,854	8,043	14,350	2,775	437	—
Gas oil	17,961	—	20,648	21,777	40,648	—
Fuel oil	60,000	41,000	58,000	112,000	144,000	56,000
Iceland—						
Aviation spirit	15,789	17,098	25,439	19,057	14,623	12,299
Motor spirit	37,480	36,460	30,342	32,450	47,675	40,225
Kerosine	3,185	2,110	1,917	1,909	1,559	3,602
Gas oil and fuel oil ..	217,518	178,480	201,701	229,185	242,181	276,927
Lubricating oil	4,053	4,122	3,617	4,076	3,813	4,539
Greases	150	142	170	150	114	174
Paraffin wax	51	49	26	67	58	62
Petroleum jelly	1	11	—	10	17	5
Asphalt	691	1,019	108	789	547	352
Italy—						
Crude petroleum	12,647,278	15,568,759	16,601,955	17,798,434	19,595,986	22,034,423
Motor spirit	9,931	36,864	74,931	31,159	26,242	36,825
Kerosine	70	70	26	134	59	28
Gas oil	9,159	5,938	12,428	23,486	37,643	28,923
Fuel oil	623,545	640,683	441,078	640,679	674,351	216,132
Lubricating oil	48,019	56,009	52,886	44,529	46,322	39,604
Petroleum jelly	998	1,425	1,055	1,862	1,152	1,247
Paraffin wax	18,032	15,977	14,476	15,634	10,586	14,631
Pitch	170	31	93	103	177	181
Petroleum coke	36,739	52,812	43,099	52,992	65,714	39,169
Ozokerite and ceresin ..	724	784	605	308	307	126
Asphalt etc.	823	1,030	1,256	1,710	1,942	1,481

(a) Including aviation turbine fuel.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Crude petroleum	6,787,765	9,462,479	11,457,352	12,727,238	13,324,031	13,839,859
Motor spirit	173,313	168,403	169,317	193,553	191,110	151,924
Kerosine	148,509	147,725	161,073	167,681	156,973	199,433
Gas oil	326,500	329,363	622,383	1,048,680	1,033,460	894,431
Fuel oil	1,137,454	1,212,160	1,426,473	1,693,543	1,359,393	2,892,833
Lubricating oil	82,501	197,549	201,653	166,273	164,784	158,649
Petroleum jelly	839	1,630	2,426	3,168	3,515	2,787
Paraffin wax	6,700	30,794	40,176	44,005	18,424	22,601
Ozokerite and ceresin (a)	203	295	199	169	168	83
Pitch	731	6,418	9,041	14,231	14,310	11,919
Petroleum coke	<i>n.a.</i>	—	—	18,918	9,353	14,767
Natural asphalt	779	1,332	1,020	1,169	1,276	1,147
Norway—						
Crude petroleum	73,471	71,691	94,914	78,113	113,661	83,119
Aviation spirit	304,924	14,677	17,726	20,605	24,398	23,016
Motor spirit	8,592	284,708	313,606	310,921	326,496	354,193
White spirit	77,153	7,235	11,701	11,027	13,697	12,972
Kerosine	39,150	49,395	49,395	61,915	65,980	83,030
Aviation turbine fuel	55,560	55,560	48,290	53,812	76,856	80,548
Diesel oil	277,745	286,122	386,479	408,412	399,102	395,639
Gas oil	427,018	459,760	545,310	634,677	523,540	675,051
Fuel oil	955,243	993,967	1,307,186	1,376,464	1,353,605	1,263,730
Lubricating oil	27,136	31,398	28,652	33,857	34,029	30,725
Paraffin wax	1,754	2,505	2,175	2,228	2,042	1,854
Petroleum jelly	1,076	1,607	1,491	1,878	2,067	1,828
Pitch	5,500	6,788	8,368	18,418	17,902	23,292
Petroleum coke	37,275	37,096	44,629	56,230	61,676	68,024
Asphalt, etc.	18,403	25,310	23,802	19,380	15,354	34,723
Poland—						
Crude petroleum	405,900	455,900	536,300	528,500	620,000	591,000
Portugal—						
Crude petroleum	130,082	696,130	896,108	960,565	1,090,826	1,133,554
Motor spirit	127,022	70,242	38,954	33,577	30,656	12,839
do. (b)	1,254	1,722	2,298	2,959	3,370	5,051
Kerosine	115,593	62,088	54,191	54,446	54,658	50,261
Aviation turbine fuel	2,984	1,815	—	—	30	—
Gas oil and diesel oil	160,890	104,594	141,002	118,325	130,370	141,455
Fuel oil	256,748	158,895	118,363	110,624	144,865	137,653
Gas, diesel, fuel oils (b)	145,933	156,265	160,115	164,950	127,979	164,340
Lubricating oil	14,018	17,572	19,427	24,488	25,489	24,057
do. (b)	1,675	1,648	1,842	1,951	1,800	2,119
Petroleum jelly	118	153	129	134	156	99
Paraffin wax	1,371	1,856	2,324	2,233	2,596	2,137
Ozokerite and ceresin	73	87	73	130	125	98
Bitumen	505	396	33	41	292	91
Natural asphalt	19,744	19,208	16,067	14,293	12,564	13,607
Spain—						
Crude petroleum, heavy	—	—	7,657	42,893	—	—
do. light	1,466,725	1,751,665	2,100,810	2,150,904	3,226,419	3,831,548
Motor spirit	177,610	219,352	187,280	205,361	248,237	213,312
Kerosine	23,383	53,171	80,786	77,008	69,913	32,472
Diesel oil	81,681	250,779	289,869	341,790	167,810	97,958
Lubricating oil	69,418	71,808	67,770	62,016	54,974	80,912
Fuel oil	76,713	207,081	295,503	425,428	518,130	410,050
Petroleum jelly	110	94	115	473	402	893
Paraffin wax	1,378	2,738	2,377	1,098	584	2,247
Asphalt	69,075	69,925	82,453	118,368	124,688	68,961
Sweden—						
Crude petroleum	1,399,000	1,712,519	1,859,062	1,783,576	1,962,277	2,184,173
Motor spirit	735,726	828,702	910,391	1,079,578	1,190,000	1,219,780
White spirit	58,467	35,119	39,911	41,439	38,001	46,004

(a) Including montan wax.

(b) Imported for bunkering of national ships.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Sweden (cont.)—						
Kerosine	334,899	364,554	325,302	287,157	259,900	306,791
Fuel oil and gas oil ..	2,866,647	3,365,002	4,730,000	6,316,794	5,696,037	6,590,677
Lubricating oil	57,204	62,380	84,402	100,813	96,152	92,237
Petroleum jelly	400	743	677	817	662	671
Other oils	1,184	1,314	1,685	1,930	2,424	2,036
Paraffin wax	4,591	6,018	6,009	6,399	6,232	5,827
Ozokerite, ceresin, etc.	1,059	1,322	1,544	1,597	1,936	1,869
Asphalt	2,526	3,678	2,748	3,472	3,261	3,948
Pitch	7,928	15,603	15,175	17,551	8,665	7,236
Petroleum coke	8,123	8,381	7,322	12,596	8,868	7,000
Switzerland—						
Motor spirit	381,457	444,332	532,434	616,090	645,842	745,885
Kerosine	100,939	53,341	39,927	40,212	60,208	56,448
Gas oil	100,710	114,471	137,255	178,289	173,417	195,468
Fuel oil	704,229	967,199	1,140,950	1,621,302	1,618,192	1,897,803
Lubricating oil and grease	27,430	37,940	43,690	49,856	53,453	46,091
Petroleum jelly	533	975	1,180	1,093	1,403	759
Paraffin wax and ceresin	2,128	3,459	3,724	4,030	4,391	3,310
Asphalt and bitumen ..	689	844	527	1,057	553	962
U.S.S.R. (a)—						
Crude petroleum			565,700	1,486,000	1,310,400	1,061,500
Motor spirit			1,956,500	1,989,800	1,991,000	2,065,300
Kerosine			540,300	464,700	289,000	347,200
Diesel oil			641,500	680,500	293,900	442,100
Fuel oil	n.a.	n.a.	392,000	377,800	56,200	44,300
Lubricating oil and grease			107,500	88,800	86,100	97,300
Paraffin wax			30,100	27,300	29,800	26,600
Bitumen			71,600	103,800	138,300	138,500
Yugoslavia—						
Crude petroleum	447,271	442,180	475,396	572,216	638,804	619,135
Aviation spirit	22,839	36,715	19,506	20,022	17,594	23,676
Motor spirit	31,323	23,929	14,525	—	258	609
Kerosine	1,077	3,172	—	—	—	—
Aviation turbine fuel ..	14,580	—	—	—	14	—
Fuel oils	7,806	2,310	—	2,323	—	205
Lubricating oil	17,804	11,825	4,896	5,904	6,641	7,904
Greases	31	27	113	157	203	202
Paraffin wax	1,015	118	1,694	1,239	499	523
Petroleum jelly	113	174	501	191	300	278
Ozokerite and ceresin ..	158	86	269	202	70	112
Petroleum coke	2,872	—	3,149	3,504	2,972	7,342
Algeria—						
Aviation spirit	7,099	11,297	17,550	36,564	64,404	16,528
Motor spirit	237,667	251,664	303,388	343,428	409,582	266,761
White spirit	878	942	1,024	1,505	1,870	1,902
Kerosine	68,329	78,860	92,718	91,255	90,580	82,117
Gas oil	189,694	216,130	255,144	240,762	270,422	306,718
Fuel oil and diesel oil ..	277,445	286,185	317,818	246,360	261,726	296,897
Lubricating oil	16,336	21,403	27,250	29,673	32,038	27,378
Bitumen, etc.	38,001	46,904	52,078	47,326	59,324	67,501
Paraffin wax	376	487	410	461	422	601
Petroleum jelly	24	7	46	28	39	12
Ozokerite and ceresin ..	—	4	1	13	12	17
Natural asphalt, etc. ..	53	14	343	33	19	37
Mastic asphalt	4,055	5,828	4,291	3,425	4,146	3,968

(a) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Angola—						
Motor spirit	30,381	38,789	42,380	44,253	51,707	29,387
Kerosine	3,953	5,596	6,615	8,549	8,626	9,732
Gas oil and fuel oil	24,426	32,125	46,197	75,511	85,397	76,054
Lubricating oil	3,599	4,415	4,313	6,042	6,985	6,744
Belgian Congo—						
Motor spirit, etc.	170,080	189,406	207,688	201,171	218,626	212,832
White spirit	<i>n.a.</i>	290	387	584	666	569
Kerosine	22,285	29,249	27,214	40,684	32,766	38,266
Fuel oil, etc.	73,386	130,237	138,342	157,904	171,553	189,917
Lubricating oil and greases	13,898	19,724	21,239	20,944	19,985	13,603
Petroleum jelly	41	49	49	101	94	64
Paraffin wax	68	136	188	70	65	104
Asphalt	6,034	908	4,415	2,663	1,111	995
Cameroon (French)—						
Motor spirit, etc.	37,055	45,525	51,906	45,889	49,973	53,300
Kerosine	7,802	12,622	12,765	13,846	14,468	16,077
Gas and fuel oil	14,799	15,829	18,135	21,473	22,447	25,766
Lubricating oil	1,596	2,962	3,675	2,999	3,019	4,361
Canary Islands—						
Crude petroleum	1,165,423	801,041	664,752	995,774	2,184,795	2,763,827
Motor spirit	3,017	9,431	2,108	1,989	10,441	9,903
Diesel (b)	537,946	693,605	54,800	168,475	227,617	38,339
Fuel oil (b)	806,632	638,901	10,105	—	222,854	3,996
Cape Verde Islands—						
Motor spirit	292	451	473	536	361	515
Kerosine	421	548	650	864	711	1,155
Fuel oil (b)	435,039	712,431	469,246	411,413	550,484	456,329
Ceuta—						
Motor spirit	7,265	7,994	14,787	6,942	21,296	8,849
Kerosine	312	1,488	1,927	656	1,966	457
Diesel (b)	169,168	143,571	109,758	230,183	279,256	136,313
Fuel oil (b)	103,666	210,939	564,745	330,885	447,080	372,735
Lubricating oil	1,639	2,008	2,609	2,120	2,124	2,188
Egypt—						
Crude petroleum	45,688	630,555	996,524	r 891,377	1,127,947	1,847,204
Motor spirit	78,330	55,360	45,601	r 28,291	34,703	35,350
White spirit	652	674	920	585	761	2,116
Kerosine	487,259	544,050	365,056	r 383,142	259,259	636,114
Fuel oil	246,234	r 550,593	676,428	r 602,041	361,303	490,050
Gas oil	102,064	r 86,037	38,316	r 83,528	73,619	143,760
Diesel oil	107,316	84,693	35,360	r 50,605	44,963	68,553
Lubricating oil	29,397	32,589	33,631	r 47,757	37,492	53,628
Petroleum jelly	524	478	611	601	461	835
Paraffin wax	543	841	1,055	1,074	1,844	2,048
Ozokerite and ceresin	31	75	87	59	95	75
Asphalt and bitumen	77	669	712	r 188	76	830
Ethiopia (a)—						
Motor spirit	39,785	49,985	45,456	54,338	62,115	72,604
Kerosine	6,576	6,795	3,422	4,213	4,108	4,064
Gas and fuel oils	8,812	14,296	8,798	6,892	22,573	15,937
Lubricating oil and grease	4,467	5,400	7,047	8,882	5,689	5,194
French Equatorial Africa—						
Aviation spirit	8,761	11,251	17,959	23,504	14,102	24,357
Motor spirit	34,403	35,980	36,237	45,195	46,712	43,522
Kerosine	8,707	10,765	10,111	11,639	11,727	12,930
Gas oil	17,035	23,038	17,014	31,494	36,999	49,757
Fuel oil	10,171	4,535	4,518	4,990	9,918	7,812
Lubricating oil, etc.	3,361	2,915	5,542	4,906	6,058	6,437

(a) Years ended September 10.

(b) Imported chiefly for bunkering purposes. See exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
French Somaliland—						
Motor spirit	9,459	845	2,246	5,019	2,397	n.a.
Kerosine	882	3,323	876	167	794	n.a.
Fuel oil etc.	—	2,814	5,716	r 3,415	3,418	n.a.
Lubricating oil	315	241	253	246	268	n.a.
French Togoland—						
Motor spirit	4,154	4,223	6,108	5,505	5,251	5,784
Kerosine	3,306	4,167	3,141	4,182	4,762	4,695
Fuel oil	2,253	3,254	4,794	4,174	5,640	4,849
Lubricating oil	735	368	849	473	692	610
French West Africa—						
Aviation spirit	9,515	35,530	19,324	31,891	15,440	18,838
Motor spirit	122,582	104,352	138,799	153,931	185,569	181,443
Kerosine	37,652	51,604	53,997	61,685	71,248	58,478
Gas oil	45,092	45,085	55,278	64,798	74,014	63,273
Fuel oils	68,247	97,527	86,613	95,498	90,430	89,148
Lubricating oil	12,141	10,448	16,086	20,810	13,051	16,694
Liberia—						
Motor spirit	13,494	20,223	10,796	7,877	18,560	20,873
Kerosine	3,506	4,858	3,461	2,203	4,306	2,600
Diesel oil	6,249	5,588	5,577	6,947	6,590	22,810
Lubricating oil	525	619	759	1,076	1,478	1,344
Madagascar—						
Aviation spirit	3,901	5,018	5,641	6,189	8,269	8,044
Motor spirit	43,122	41,388	47,662	49,777	47,141	50,114
Kerosine	11,910	12,099	11,013	15,471	12,768	16,730
Gas oil	16,344	22,419	26,614	29,188	33,575	39,415
Fuel oils	3,382	2,501	2,635	787	203	79
Lubricating oil	5,800	2,662	3,886	5,158	5,436	4,764
Road oil, etc.	3,729	5,348	7,720	8,741	12,485	3,639
Paraffin wax	48	1	162	79	178	80
Petroleum jelly	11	20	11	7	10	14
Asphalt and bitumen	418	2,264	94	218	296	37
Melilla—						
Motor spirit	5,075	3,802	3,825	4,081	6,833	3,904
Kerosine	1,679	1,242	2,605	2,473	3,111	1,153
Diesel oil	8,118	7,810	9,511	9,472	16,547	9,400
Fuel oil	—	3,162	—	9,405	26,058	5,119
Lubricating oil	719	826	839	878	1,700	423
Paraffin wax	40	23	31	23	41	52
Morocco—						
Aviation spirit	32,792	26,224	26,971	12,625	(a) 16,301	16,238
Motor spirit	310,451	310,807	339,533	298,418	(a) 202,974	188,020
White spirit	2,656	3,369	2,356	1,300	(a) 1,693	1,156
Kerosine	60,727	77,247	83,051	48,523	(a) 36,742	38,094
Gas oil	114,923	110,577	119,296	121,082	(a) 107,975	124,433
Fuel oil	244,771	147,034	172,485	157,684	(a) 157,443	171,789
Lubricating oil, etc.	15,818	19,784	19,482	15,550	(a) 12,038	16,024
Paraffin wax	4,269	3,856	4,624	4,496	(a) 4,321	4,455
Asphalt bitumen, etc.	41,732	46,955	37,714	26,499	(a) 23,404	12,089
Mozambique—						
Motor spirit	28,645	27,251	30,005	31,332	32,021	32,335
Kerosine	13,337	13,754	14,498	16,863	17,371	18,429
Fuel oil	27,657	34,202	38,019	46,371	54,131	66,138
Lubricating oil	4,132	3,703	4,348	5,210	5,819	6,028
Paraffin wax	37	26	38	52	47	40
Petroleum jelly	20	29	28	68	24	31
Asphalt and bitumen (a)	1,712	3,451	3,176	3,893	5,242	8,939

(a) Morocco (Southern) only.

(b) Including coal tar and pitch.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Reunion—						
Motor spirit	4,413	6,924	8,889	10,855	11,481	13,900
Kerosine	753	1,297	1,829	1,388	2,158	1,748
Fuel oil etc.	1,072	3,471	2,311	4,282	5,264	3,751
Lubricating oil	723	629	940	658	771	735
S. Tome and Principe—						
Motor spirit	777	813	1,201	r 1,009	735	n.a.
Kerosine	351	324	453	671	n.a.	n.a.
Fuel oil	145	263	339	727	n.a.	n.a.
Sudan—						
Aviation spirit (b)	19,808	17,726	20,731	24,650	29,289	24,315
Motor spirit	46,175	59,886	57,335	51,396	67,549	81,495
Kerosine	20,163	17,072	19,503	19,868	28,592	35,330
Gas oil	17,206	22,856	25,443	31,818	47,617	71,047
Diesel oil	22,952	24,543	27,605	27,283	25,139	22,540
Fuel oil	91,602	105,771	106,825	111,835	156,582	176,814
Lubricating oil, etc.	4,313	3,718	5,322	5,957	8,523	10,771
Asphalt and bitumen	2,040	2,188	3,395	3,551	5,797	6,037
Tunisia—						
Aviation spirit	219	172	90	147	571	297
Motor spirit	81,985	79,978	83,402	78,616	70,131	72,970
Kerosine	34,624	34,329	36,524	37,855	34,502	37,074
Fuel oil	130,119	144,761	205,911	194,133	178,229	174,257
Gas oil	82,015	82,619	89,153	86,293	77,621	83,938
Lubricating oil	5,534	7,242	8,191	7,067	6,397	7,262
Petroleum jelly	38	44	6	—	—	10
Paraffin wax	50	90	79	58	62	111
Costa Rica (a)—						
Motor spirit	51,806	42,757	38,864	43,979	51,854	49,111
Kerosine	7,300	4,624	5,805	6,838	7,888	7,778
Diesel oil, etc.	36,208	34,964	24,248	50,294	54,805	65,192
Fuel oil	43,124	48,313	40,837	52,036	31,636	20,891
Lubricating oil	3,476	4,185	3,103	2,720	3,868	5,540
Grease	n.a.	268	224	274	343	291
Petroleum jelly	n.a.	108	85	77	91	80
Paraffin wax	n.a.	1,017	1,187	1,199	1,260	1,302
Asphalt	54	1,394	3,072	3,687	7,454	4,091
Cuba (a)—						
Crude petroleum	428,708	r 388,359	445,461	444,583	915,504	n.a.
Motor spirit	301,006	330,621	374,512	416,450	254,153	n.a.
Kerosine	53	8,298	188	3,861	709	n.a.
Fuel oil	1,109,147	985,527	1,127,320	1,121,888	1,806,195	n.a.
Gas oil	19,473	29,635	53,202	39,813	39,049	n.a.
Lubricating oil	29,591	39,019	51,714	54,453	37,909	n.a.
Residual oils	48,877	66,042	84,046	138,140	80,797	n.a.
Petroleum jelly	697	634	589	805	540	n.a.
Paraffin wax	2,976	2,793	3,147	3,599	4,494	n.a.
Asphalt rock	21	25	26	54	15	n.a.
Other asphalt and bitumen	145	179	163	182	152	n.a.
Petroleum coke	1,594	1,799	2,288	834	4,990	n.a.
Dominican Republic (a)—						
Aviation spirit	61,530	67,215	8,056	6,383	11,044	14,652
Motor spirit			69,667	78,266	79,368	82,464
Kerosine	8,119	8,258	12,316	11,650	9,035	12,373
Fuel oil	109,580	102,786	178,164	186,356	196,262	197,784
Lubricating oil	5,064	5,654	7,227	6,919	10,711	7,841
Other oils	11,433	14,721	18,245	20,527	23,965	34,398

(a) Total imports.

(b) Including imports for bunkering purposes. See exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
French West Indies—						
Guadeloupe—						
Motor spirit	12,437	13,887	15,139	15,207	19,540	17,869
Kerosine	4,181	4,386	5,290	7,024	7,829	8,527
Gas and fuel oil ..	4,999	5,494	4,882	7,308	7,953	8,945
Lubricating oil ..	568	1,036	1,057	1,677	2,002	1,501
Martinique—						
Motor spirit	11,392	13,321	13,910	14,663	20,981	16,407
Kerosine	5,374	6,266	9,195	7,905	8,314	9,455
Gas and fuel oil ..	13,171	11,092	13,192	13,283	21,603	17,874
Lubricating oil ..	636	933	1,062	1,848	2,644	1,495
Greenland—						
Motor spirit	n.a.	1,158	703	815	1,345	n.a.
Kerosine		1,213	942	1,001	1,361	n.a.
Fuel oil		8,124	36,205	21,010	24,309	n.a.
Lubricating oil ..		286	298	353	362	n.a.
Guatemala (a)—						
Crude petroleum, etc.	134,006	143,289	170,294	150,399	154,166	156,058
Aviation spirit	8,437	4,918	6,731	10,692	5,844	5,331
Motor spirit	55,997	62,779	77,645	94,384	108,580	114,713
Kerosine	9,676	13,039	13,844	16,072	20,646	22,404
Diesel oil	21,459	25,291	31,648	45,427	49,836	67,201
Fuel oil	1,796	2,651	3,138	3,096	2,509	4,144
Lubricating oil ..	3,623	4,557	4,528	4,934	5,622	6,858
Grease	314	349	397	537	515	657
Asphalt	5,986	4,057	18,074	11,181	11,880	17,377
Paraffin wax, etc.	2,845	3,396	2,843	3,467	3,561	3,850
Haiti (b)—						
Motor spirit	27,023	22,967	19,634	27,848	26,848	n.a.
Kerosine	3,995	4,037	2,462	3,291	2,242	n.a.
Fuel oil, etc.	13,075	16,448	6,721	12,356	9,312	n.a.
Honduras—						
Crude petroleum ..	—	—	21,741	32,013	39,643	65,596
Motor spirit	100,952	95,056	79,869	32,341	39,311	41,892
Kerosine	2,271	2,331	2,946	4,521	4,908	6,629
Gas, diesel and fuel oils	51,148	24,019	34,921	76,197	101,579	72,897
Lubricating oil ..	9,866	2,421	2,301	2,668	2,729	5,339
Greases .. ..							362	304	341
Mexico (a)—						
Crude petroleum ..	—	—	—	43	191,369	101,853
Aviation spirit	263,835	343,203	475,364	33,131	48,789	53,414
Motor spirit				465,366	581,306	241,303
Kerosine	5,048	77,121	166,077	216,710	288,210	76,056
Gas oil	17,963	177,790	325,509	332,856	294,169	137,623
Fuel oil	369,351	399,939	430,073	464,208	417,951	418,994
Lubricating oil ..	66,516	98,744	40,795	17,311	19,272	11,818
Grease	3,479	4,926	5,256	7,129	4,576	4,964
Paraffin wax	39,316	43,744	37,044	15,909	19,949	12,689
Petroleum jelly ..	881	665	1,010	1,048	1,059	896
Asphalt	9,734	2,877	1,820	844	1,304	1,552
Asphalt rock	980	5,460	8,173	256	1,636	1,657
Natural gas (million cu. ft.)	19,060	22,845	19,713	18,710	14,230	9,324
Netherlands West Indies—						
Crude petroleum ..	39,904,781	41,167,428	42,156,899	43,435,159	40,702,334	36,027,260
Aviation spirit	640,721	180,447	139,542	323,327	295,154	257,814
Motor spirit .. ..							640,183	948,651	1,090,746	1,151,164	1,484,502
Kerosine	6,291	11,792	1,327	9,812	125,759	65,183
Fuel oil	2,467,685	2,175,525	2,461,784	1,149,016	853,920	2,891,177
Diesel oil	55,758	32,752	263,212	202,176	135,464	150,144
Gas oil	768,652	298,290	165,650	447,944	634,137	696,733
Lubricating oil ..	4,391	723	2,728	2,008	2,657	2,619
Asphalt	3,009	83	—	—	1,394	n.a.

(a) Total imports.

(b) Years ended September 30.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Nicaragua (a)—						
Aviation spirit	4,549	5,360	} 43,822	50,333	52,562	56,479
Motor spirit	26,448	31,601		16,337	15,187	15,460	17,686
Kerosine	9,124	12,004	65,424	52,409	63,194	116,277
Fuel oil	50,976	51,210	5,352	3,435	3,291	4,052
Lubricating oil	2,373	3,355	} 751	844	723	915
Paraffin wax	477	473				
Petroleum jelly	68	83				
Natural asphalt	<i>n.a.</i>	<i>n.a.</i>	919	1,791	1,163	—
Panama Republic (a)						
Motor spirit	65,068	71,538	76,608	77,943	89,909	102,831
Kerosine	15,481	19,269	18,388	20,691	23,740	27,411
Diesel oil	27,944	27,963	34,925	31,858	46,348	50,914
Fuel oil	122,368	91,772	103,666	77,475	91,250	119,980
Lubricating oil	2,681	2,565	2,936	2,812	3,324	3,741
Paraffin wax	88	261	121	105	126	235
Asphalt	944	1,313	1,946	2,988	2,194	<i>n.a.</i>
St. Pierre and Miquelon—						
Motor spirit	2,496	} 3,000	5,546	5,747	{ 499	} 10,701
Gas oil and fuel oil	15		9,341			
Salvador—						
Motor spirit	48,618	52,883	58,951	66,353	70,789	75,256
Kerosine	12,738	14,176	15,149	16,903	22,326	25,761
Gas oil and diesel oil	17,112	16,233	13,766	16,721	19,794	21,482
Fuel oil	53,239	61,862	54,154	60,916	61,619	51,742
Lubricating oil	1,929	2,939	2,454	3,388	3,331	3,774
Grease	323	331	341	572	426	598
Paraffin wax, etc.	<i>r</i> 743	<i>r</i> 683	<i>r</i> 716	<i>r</i> 862	835	854
Petroleum jelly	83	134	40	66	128	97
Asphalt	3,414	3,556	3,217	7,080	4,952	5,531
United States—						
Crude petroleum	33,287,299	34,602,109	42,039,971	50,063,398	55,175,624	54,817,219
Aviation spirit	2,244	147	453	9,726	20,912	—
Motor spirit, etc.	56,833	135,453	575,709	817,749	1,264,678	2,978,302
Naphtha	8,286	4,708	6,863	30,225	31,402	364,831
Kerosine	2	2	5,626	29,446	15,922	4,287
Fuel oil	20,356,664	19,291,221	22,715,425	24,121,996	25,661,278	28,606,304
Gas oil and diesel oil	680,179	594,961	692,313	755,862	1,241,109	1,985,880
Unfinished distillates and topped oils	281,784	1,138,077	929,604	638,650	222,284	2,871,438
Lubricating oil, etc.	68	203	113	92	73	1,052
Road oil, etc.	8,456	9,126	1,875	116,001	370,607	366,680
Paraffin wax, etc.	130	434	39	15	24	810
Ozokerite and ceresin	175	406	632	1,008	1,274	1,937
Petroleum jelly	4	—	1	1	2	3
Asphalt (petroleum)	401,977	553,331	537,708	462,313	704,595	821,504
Natural asphalt and bitumen	2,410	3,789	4,454	3,675	3,546	22,153
Natural gas (<i>million cu. ft.</i>)	9,225	6,847	10,888	10,380	37,941	117,071
Argentina—						
Crude petroleum	3,542,521	3,586,421	3,655,060	4,344,243	6,056,679	6,550,211
Motor spirit	47,745	47,720	63,979	47,297	81,379	52,733
Kerosine	9,055	20,133	158,645	127,776	112,063	139,206
Gas oil	86,009	211,073	381,824	336,781	395,967	330,534
Fuel oil	2,046,758	2,038,995	2,535,897	3,283,931	2,230,538	1,399,230
Diesel oil	150,692	106,435	148,977	191,793	234,246	320,446
Lubricating oil	64,067	40,600	38,590	76,750	38,433	63,590
Grease	<i>n.a.</i>	134	93	367	68	209

(a) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Bolivia—						
Aviation spirit	7,000	11,969	6,089	6,476	5,786	9,746
Motor spirit	18,576	29,006	17,329	69	43	2
Kerosine	5,964	2,213	2,580	96	7	27
Fuel oil	71,423	10,619	8,207	2,011	8,339	712
Lubricating oil and grease	4,006	2,780	3,587	5,166	6,694	5,343
Paraffin wax, etc. ..	1,042	1,598	1,788	777	1,469	1,088
Tar, pitch, etc. ..	88	116	50	32	93	607
Brazil (a)—						
Crude petroleum	29,903	140,150	3,457,572	4,811,892	4,769,580	5,563,200
Aviation spirit	194,974	214,420	224,442	261,368	260,610	292,271
Motor spirit	2,196,099	2,369,613	927,369	461,453	431,523	657,291
White spirit	15,972	25,529	14,403	2,506	1,291	705
Kerosine	401,647	529,975	537,852	589,541	385,304	304,611
Diesel oil	1,026,709	1,209,787	1,047,417	1,204,269	875,426	1,103,858
Fuel oil	1,412,125	2,000,715	2,156,839	1,753,857	1,558,403	1,654,250
Lubricating oil	159,634	205,164	195,931	190,266	183,008	152,825
Transformer oil	873	2,664	771	1,077	3,853	1,656
Petroleum jelly	225	2,863	1,043	1,329	1,816	898
Greases	149	379	177	39	77	127
Paraffin wax	4,120	15,117	7,029	10,242	11,381	10,113
Ozokerite and ceresin ..	4	149	44	74	142	81
Asphalt and bitumen ..	24,491	34,947	3,761	1,750	727	15,647
Chile—						
Aviation spirit	15,573	14,875	37,256	25,600	34,417	76,400
Motor spirit	265,682	312,830	252,810	82,700	48,945	
Kerosine	73,268	136,500	152,370	138,700	163,800	85,300
Diesel oil	116,571	206,700	171,728	103,300	119,000	238,200
Residual fuel oil	788,010	902,500	1,032,222	776,500	679,000	755,900
Lubricating oil	22,657	25,340	31,977	32,374	29,049	n.a.
Petroleum jelly	874	45	105	n.a.	n.a.	n.a.
Greases	927	878	1,082	1,095	1,718	n.a.
Paraffin wax	6,033	6,360	5,024	6,230	6,645	7,087
Natural asphalt	1,141	355	606	n.a.	n.a.	n.a.
Colombia—						
Aviation spirit	49,015	55,840	38,472	31,064	21,883	13,672
Motor spirit	303,121	371,160	267,813	256,019	204,829	24,263
Kerosine	58,963	95,281	62,395	54,796	38,323	3,703
Gas oil and diesel oil ..	15,038	74,286	65,324	47,663	33,403	4,223
Fuel oils	56,847	11,093	12,089	11,633	6,577	798
Lubricating oil	15,100	25,430	28,911	28,916	30,040	29,575
Petroleum jelly	297	407	432	343	506	388
Paraffin wax	21,986	23,387	23,733	22,050	24,227	14,433
Natural asphalt	8,802	11,288	5,069	3,723	3,648	94
Ecuador—						
Aviation spirit	n.a.	7,863	n.a.	n.a.	n.a.	n.a.
Motor spirit	16,109	20,323	1,382	74,098	n.a.	9,153
Lubricating oil and greases	2,013	4,760	3,938	4,118	4,315	4,558
Petroleum jelly	58	80	73	57	48	109
Paraffin wax	2,371	2,726	2,359	2,686	3,026	2,839
Natural asphalt	1,108	4,316	4,945	9,227	303	2,625
French Guiana—						
Motor spirit	4,162	6,204	6,131	2,149	2,140	2,347
Kerosine	—			733	763	989
Fuel oil, etc.	—			2,299	1,966	2,671

(a) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Paraguay—						
Motor spirit	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	29,000	<i>n.a.</i>	<i>n.a.</i>
Kerosine	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	10,000	<i>n.a.</i>	<i>n.a.</i>
Fuel oil, etc. ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	11,000	<i>n.a.</i>	<i>n.a.</i>
Lubricating oil ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,700	<i>n.a.</i>	<i>n.a.</i>
Peru—						
Aviation spirit ..	29,901	44,859	52,080	63,386	82,570	<i>n.a.</i>
Kerosine	7	—	407	—	—	<i>n.a.</i>
Lubricating oil ..	10,768	13,018	12,352	16,274	17,495	<i>n.a.</i>
Petroleum jelly ..	91	86	105	75	136	<i>n.a.</i>
Paraffin wax ..	4,099	4,460	5,320	5,252	6,095	<i>n.a.</i>
Asphalt and bitumen ..	11	23	200	207	5,903	<i>n.a.</i>
Greases	727	813	960	1,109	1,461	<i>n.a.</i>
Ozokerite	1	6	2	4	3	<i>n.a.</i>
Surinam—						
Motor spirit	7,775	8,117	9,097	10,669	11,557	12,127
Kerosine	3,205	3,162	3,605	4,126	3,875	4,031
Gas oil	3,908	7,948	5,857	7,938	104,618	86,184
Diesel oil	17,569	17,111	18,694	19,834		
Fuel oil	68,219	68,767	61,342	66,757	1,433	1,509
Lubricating oil ..	1,102	1,480	1,241	1,606		
Greases	205	165	269	307	<i>n.a.</i>	<i>n.a.</i>
Paraffin wax	6	5	6	5	<i>n.a.</i>	<i>n.a.</i>
Asphalt	1,417	929	970	2,657	2,050	1,653
Uruguay—						
Crude petroleum ..	1,185,000	1,274,981	878,372	1,020,240	1,070,000	747,386
Motor spirit, etc. ..	6,600	3,700	30,000	8,000	7,000	46,000
Kerosine	—	(a)	56,000	17,000	<i>n.a.</i>	<i>n.a.</i>
Gas oil	3,341	9,200	5,000	60,000	76,000	49,000
Diesel oil	11,900	19,600	14,000	27,000	47,000	14,000
Fuel oil	21,000	29,300	74,000	227,000	224,000	90,000
Lubricating oil and greases	10,306	16,689	10,726	7,926	13,945	3,956
Paraffin wax	470	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	201	268
Venezuela (a)—						
Motor spirit	55,003	97,767	62,862	38,006	20,878	195
White spirit	25	5,235	27	17	58	39
Gas oil	—	16,619	—	1	113	1
Fuel oil	6	6,002	26	57	16	10
Lubricating oil and grease	39,554	47,757	48,230	57,895	67,374	80,012
Paraffin wax	4,045	3,630	2,835	3,835	4,444	3,968
Petroleum jelly ..	2,925	170	121	148	156	379
Asphalt, bitumen, etc.	694	1,845	2,398	786	2,092	1,185
Burma (a)—						
Motor spirit	49,450	7,605	75,270	82,258	32,976	13,176
Kerosine	12,475	5,202	17,737	23,817	2,658	1,805
Gas and diesel oils ..	49,452	6,313	44,731	58,024	49,138	28,873
Lubricating oil ..	8,331	8,681	10,148	17,477	10,722	12,201
Paraffin wax	4,445	864	200	<i>n.a.</i>	3	—
Asphalt	8,695	8,311	5,170	9,881	11,959	12,227
Formosa—						
Motor spirit	46,312	25,768	1,346	3,101	970	1,107
Fuel oil (incl. crude) ..	281,798	148,607	750,029	481,599	955,520	684,794
Lubricating oil	5,921	8,456	12,985	10,699	9,561	9,766
Grease	199	467	276	510	437	290
Petroleum jelly	50	58	34	141	84	199
Paraffin wax	636	1,685	660	1,371	1,513	1,147
Asphalt	650	377	585	158	42	—

(a) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Indo-China—						
Aviation spirit	27,487	46,752	}	(a)	(a)	(a)
Motor spirit	124,764	115,646				
White spirit	387	192				
Kerosine	41,453	48,077				
Gas oil	17,795	22,198				
Fuel oil	122,909	145,768				
Lubricating oil	9,440	9,890				
Grease	491	448				
Petroleum jelly	209	119				
Asphalt and bitumen	16,731	15,565				
Indonesia—						
Crude petroleum	2,242,607	2,097,393	2,635,950	2,523,967	3,225,420	1,237,433
Motor spirit	12,234	7,337	104,651	116,351	342,556	322,331
Kerosine	8,175	1,052	163	4,876	268	892
Fuel and gas oils	13,105	2,756	11,207	24,960	7,458	40,691
Lubricating oil	35,970	33,832	47,981	43,865	46,777	58,539
Paraffin wax	127	426	618	555	747	1,000
Petroleum jelly	1,255	981	1,794	1,212	1,065	1,792
Asphalt	24,306	11,942	16,061	29,413	40,661	11,177
Iran (b)—						
Lubricating oil	7,086	4,348	<i>n.a.</i>	17,324	12,813	<i>n.a.</i>
Paraffin wax	707	650	<i>n.a.</i>	726	536	<i>n.a.</i>
Petroleum jelly	195	261	<i>n.a.</i>	207	122	<i>n.a.</i>
Iraq—						
Crude petroleum (c)	—	1,245	415	2	30	<i>n.a.</i>
Motor spirit	703	901	313	47	19	<i>n.a.</i>
Kerosine	465	783	338	8	—	<i>n.a.</i>
Lubricating oil	13,122	11,929	16,977	24,690	16,938	<i>n.a.</i>
Greases	175	129	331	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Israel (d)—						
Aviation spirit	3,038	3,389	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Motor spirit	162,575	168,401	193,692	216,796	189,155	183,321
Kerosine	132,433	130,967	134,246	161,651	154,664	142,600
Gas, diesel and fuel oils	673,030	755,139	861,524	896,327	914,420	1,059,909
Lubricating oils	6,361	5,913	7,345	10,150	11,817	9,515
Paraffin wax	522	1,355	508	982	1,382	1,165
Petroleum jelly	—	—	16	26	78	96
Asphalt	730	514	615	381	361	62
Turpentine substitute	252	161	314	141	54	19
Japan—						
Crude petroleum	4,995,017	6,250,190	7,164,330	9,799,426	12,540,740	13,915,909
Aviation spirit	57,164	27,361	59,520	67,584	89,518	62,264
Motor spirit	211,993	281,613	180,656	34,888	17,664	13,789
Kerosine	3,032	21,937	31,125	2,803	12,972	731
Gas oil	79,971	68,688	186,427	90,328	96,918	40,043
Fuel oil	2,547,581	2,265,661	2,840,658	2,994,017	4,743,754	2,761,551
Lubricating oil	31,469	38,393	26,175	42,401	82,390	47,182
Grease	1,396	1,315	973	1,372	1,045	933
Petroleum jelly	1,528	1,725	1,354	3,068	3,095	2,092
Paraffin wax	2,070	649	820	1,730	947	1,099
Gilsonite	1,304	1,651	1,260	1,666	1,891	1,723
Asphalt and pitch	1,467	505	886	1,277	2,210	982
Petroleum coke	191,613	112,153	123,970	217,012	244,425	149,259

(a) See under Laos and Vietnam.

(b) Years ended March 20 of year following that stated.

(c) As recorded in official trade returns. Probably fuel oil.

(d) Figures include amounts obtained from imported crude petroleum.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Jordan—						
Crude petroleum ..	<i>n.a.</i>	11,211	12,756	12,246	16,635	19,556
Motor spirit ..	21,357	24,539	29,533	35,156	36,107	33,267
Kerosine ..	23,299	25,037	32,006	39,732	33,944	36,144
Fuel oil, etc. ..	22,709	23,851	34,562	45,021	46,085	62,280
Lubricating oil ..	1,529	1,465	2,541	2,471	3,042	2,852
Natural asphalt ..	6,778	1,474	4,144	5,094	6,400	<i>n.a.</i>
Laos—						
Aviation spirit ..			2,149	5,567	<i>n.a.</i>	<i>n.a.</i>
Motor spirit ..			3,887	8,428	<i>n.a.</i>	<i>n.a.</i>
Kerosine ..			1,135	1,937	<i>n.a.</i>	<i>n.a.</i>
Gas oil ..	(a)	(a)	1,156	1,906	<i>n.a.</i>	<i>n.a.</i>
Fuel oil ..			168	728	<i>n.a.</i>	<i>n.a.</i>
Lubricating oil ..			566	718	<i>n.a.</i>	<i>n.a.</i>
Lebanon—						
Crude petroleum ..	535,872	537,048	899,703	985,937	1,034,925	793,790
Motor spirit ..	104,439	116,309	118,428	114,334	129,763	122,305
Kerosine ..	36,487	35,546	37,133	41,725	49,157	62,645
Fuel oil ..	<i>n.a.</i>	177,815	239,692	279,765	313,304	283,594
Lubricating oil ..	<i>n.a.</i>	4,521	5,223	4,893	5,699	4,652
Paraffin wax ..	<i>n.a.</i>	145	184	163	197	267
Natural asphalt ..	6,723	3,718	1,810	1,346	69	20,609
Philippine Republic—						
Crude petroleum ..	—	—	260,731	459,271	283,345	743,276
Aviation spirit ..	19,353	19,614	21,453	29,388	34,895	42,003
Motor spirit ..	438,968	439,946	348,980	382,636	320,932	329,921
Kerosine ..	142,560	147,710	131,717	158,155	132,649	138,586
Diesel oils ..	311,049	378,589	610,230	294,281	353,412	356,796
Fuel oil ..	354,522	495,962	329,311	353,689	430,741	361,115
Lubricating oils ..	30,957	40,558	40,518	40,023	39,697	39,968
Grease ..	2,119	2,625	2,143	9,524	2,958	2,272
Petroleum jelly ..	707	2,004	6,400	1,120	1,160	1,274
Paraffin wax ..	4,752	4,957	5,883	3,190	5,081	5,327
Asphalt ..	32,337	3,418	24,818	13,319	27,890	38,646
Portuguese India—						
Motor spirit ..	9,000	6,613	10,885	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Kerosine ..	4,000	5,093	5,458	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Lubricating oils ..		489	778	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Other oils ..	1,000	5,350	6,797	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Syria—						
Motor spirit ..	81,716	91,131	81,941	97,304	94,297	51,420
Kerosine ..	50,015	56,124	55,480	64,177	69,482	40,857
Fuel oil and diesel oil ..	255,562	322,999	354,396	429,586	419,982	509,281
Lubricating oil ..	7,088	7,221	10,707	9,716	11,114	13,221
Natural asphalt ..	849	984	487	2,871	913	141
Thailand—						
Aviation spirit ..	136,699	108,593	34,031	19,079	11,982	—
Motor spirit ..			116,180	214,367	277,166	265,474
Kerosine ..	73,807	84,058	79,141	93,133	83,584	88,972
Gas, diesel and fuel oils ..	243,622	127,695	177,771	413,956	461,921	492,640
Lubricating oil ..	<i>n.a.</i>	18,647	24,743	26,021	32,346	23,604
Grease ..	<i>n.a.</i>	1,183	1,163	1,352	1,773	1,223
Paraffin wax ..	<i>n.a.</i>	<i>n.a.</i>	1,277	1,016	1,603	1,223
Petroleum jelly ..	<i>n.a.</i>	<i>n.a.</i>	745	624	725	521
Asphalt ..	6,622	7,001	23,778	22,672	28,655	14,046
Turkey—						
Motor spirit ..	324,189	298,603	288,105	222,107	265,652	193,392
Kerosine ..	224,504	235,688	229,605	201,605	250,453	210,456
Gas and diesel oils ..	297,707	315,030	348,698	295,992	435,121	354,702
Fuel oil ..	33,228	27,793	24,359	27,036	25,582	18,842
Lubricating oils ..	57,453	52,440	50,790	43,288	57,334	69,117

(a) See under Indo-China.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Turkey (cont.)—						
Paraffin wax and petroleum jelly	825	1,518	1,438	559	292	686
Asphalt	5,886	16,387	9,766	136	46	432
Vietnam—						
Aviation spirit	(a)	(a)	173,064	4,275	17,007	5,290
Motor spirit				123,821	136,148	213,118
Kerosine				47,762	54,582	76,623
Gas oil				19,110	29,913	45,662
Fuel oils				112,625	129,022	118,774
Lubricating oils and grease				6,565	7,094	11,197	n.a.
Petroleum jelly	64	103	127	n.a.		
Paraffin wax	2,421	1,873	2,078	n.a.		
French Polynesia—						
Motor spirit	2,597	9,006	3,453	2,948	3,581	13,043
Kerosine	1,169		1,280	1,680	1,676	
Other oils	4,582		5,806	5,948	7,645	
New Caledonia—						
Motor spirit	9,685	8,544	10,331	11,850	14,317	14,302
Kerosine	2,185	2,496	2,684	3,095	3,299	3,865
Gas and fuel oils	6,094	7,735	14,347	21,829	31,992	25,993
Lubricating oil, etc. ..	628	893	857	1,160	1,523	7,237

(a) See under Indo-China.

PHOSPHATES
PRODUCTION OF PHOSPHATE-ROCK
(Including Apatite)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958	Estimated Tribasic Phosphate of Lime Content or equivalent.				
							1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES											
Seychelles (a) (b) ..	8,719	11,676	785	4,123	6,136	16,540	n.a.	n.a.	n.a.	n.a.	n.a.
Somaland Protectorate (a) (b) ..	358	—	239	196	—	—	140	—	74	—	n.a.
South West Africa (a) ..	1,579	(c) 811	1,736	—	2,527	—	n.a.	n.a.	—	n.a.	—
Tanganyika (c) ..	98	60	103	3	3	—	50	30	2	2	—
Uganda (d) ..	5,363	2,867	3,160	2,914	3,256	2,474	2,700	1,500	1,500	1,600	1,200
Union of South Africa—											
Phosphate rock ..	78,860	93,008	133,721	154,316	166,433	213,087	27,600	32,600	71,000	82,000	110,000
Guano ..	5,114	4,932	4,909	4,092	n.a.	3,853	1,200	1,200	1,000	n.a.	n.a.
Jamaica (c) ..	707	714	477	385	101	130	n.a.	n.a.	n.a.	n.a.	n.a.
Christmas Island (b) ..	280,192	350,960	390,226	340,611	335,569	373,569	238,000	298,000	290,000	285,000	318,000
India (d) ..	4,359	2,292	5,562	8,785	9,178	14,572	n.a.	n.a.	n.a.	n.a.	n.a.
Sarawak (c) ..	632	620	402	385	465	306	n.a.	n.a.	n.a.	n.a.	n.a.
Australia ..	3,368	6,120	6,371	6,788	11,430	7,421	n.a.	n.a.	n.a.	n.a.	n.a.
Nauru Island (b) ..	1,159,750	1,178,150	1,401,250	1,332,600	1,105,250	1,234,450	998,000	1,013,000	1,146,000	951,000	1,062,000
Ocean Island (b) ..	282,362	292,200	308,850	297,150	292,150	323,800	243,000	251,000	255,000	251,000	278,000
TOTAL ..	1,830,000	1,944,000	2,258,000	2,152,000	1,936,000	2,190,000					
OTHER COUNTRIES											
Belgium (e) ..	54,958	34,716	19,290	13,414	15,854	17,724	n.a.	n.a.	n.a.	n.a.	n.a.
France (e) ..	86,000	116,510	100,872	89,243	91,803	76,400	20,500	31,000	22,000	22,000	17,000
Spain ..	21,516	—	23,060	8,480	186	3,236	14,000	14,000	5,500	100	2,100
Sweden (d) ..	8,634	—	—	—	—	—	3,804	—	—	—	—
U.S.S.R. (f) ..	3,965,000	4,430,000	4,870,000	5,265,000	5,660,000	5,910,000	n.a.	n.a.	n.a.	n.a.	n.a.

(a) Phosphatic guano.

(b) Exports.

(c) Bat guano.

(d) Apatite.

(e) Including phosphatic chalk.

(f) Estimated by United States Bureau of Mines. Apatite and phosphate rock.

(g) Sales to farmers. Year ended June 30 of that stated.

PRODUCTION OF PHOSPHATE ROCK (cont.)

Long tons

Producing Country	Estimated Tribasic Phosphate of Lime Content or equivalent.											
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES												
<i>(cont.)</i>												
Algeria	608,950	746,000	740,000	596,000	595,820	552,000	384,000	470,000	474,000	375,000	375,000	370,000
Egypt	476,480	526,245	636,466	605,000	576,000	(a) 590,000	295,000	326,000	395,000	375,000	357,000	365,000
French West Africa—												
Phosphate rock	45,096	5,400	5,400	5,200	—	—	35,500	4,200	4,200	4,100	—	—
Aluminium phosphates	51,598	72,000	102,802	67,100	88,441	102,928	33,000	46,000	65,000	43,000	56,000	65,000
Madagascar	1,531	1,321	1,827	3,207	3,459	2,000	n.a.	n.a.	1,640	n.a.	n.a.	n.a.
Morocco	4,090,366	4,940,200	5,244,693	5,434,608	5,479,588	6,235,756	2,945,756	3,557,000	3,776,000	3,913,000	3,945,000	4,490,000
Tunisia	1,691,388	1,794,563	2,165,987	2,044,021	2,034,674	2,242,546	1,099,000	1,167,000	1,408,000	1,329,000	1,323,000	1,458,000
Netherlands West Indies	88,644	a 118,923	b 92,725	b 101,206	(b) 91,338	(b) 91,633	65,000	r 87,000	68,000	74,000	67,000	67,000
United States	12,503,830	13,821,100	12,265,248	15,747,000	13,976,000	14,879,000	8,712,000	9,526,000	8,492,000	10,837,000	9,517,000	10,199,000
Brazil (d)	(c) 12,500	(c) 15,000	c 123,000	123,000	123,000	143,589	7,000	8,500	71,000	71,000	71,000	83,000
Chile—												
Apatite	58,241	41,177	51,504	58,125	19,074	40,000	32,300	21,000	26,700	29,200	11,200	24,700
Guano	(e) 30,000	43,000	41,000	24,000	34,000	(a) 34,000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Peru (f)	257,000	289,000	285,000	331,000	280,000	(a) 157,000	60,000	70,000	70,000	80,000	70,000	40,000
Venezuela	—	—	—	30,000	30,000	—	—	—	—	16,000	16,000	—
China (d)	26,000	36,980	40,000	24,300	n.a.	n.a.	18,000	26,000	49,000	17,500	n.a.	n.a.
Israel	22,735	56,572	70,705	115,295	148,000	206,226	14,000	35,000	44,000	72,000	90,000	128,000
Jordan	40,000	73,666	161,014	205,263	257,761	289,296	29,000	54,000	118,000	150,000	188,000	211,000
Philippine Republic (f)	630	1,800	148	7,762	3,685	7,116	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Vietnam (North)(d) (e)	—	—	—	—	200,000	n.a.	—	—	—	—	170,000	n.a.
Angaur Island	96,845	93,846	76,882	—	—	—	66,000	63,000	52,000	—	—	—
French Polynesia (Makatea)	271,500	290,000	221,000	255,000	303,600	314,600	223,000	238,000	181,000	209,000	249,000	258,000
TOTAL	r24,510,000	r27,570,000	r27,340,000	r31,150,000	30,000,000	32,000,000	30,000,000	32,000,000	32,000,000	32,000,000	32,000,000	32,000,000
World's TOTAL	r26,340,000	r29,510,000	r29,600,000	r33,300,000	31,900,000	34,000,000	31,900,000	34,000,000	34,000,000	34,000,000	34,000,000	34,000,000

Phosphate rock is also known to have been produced in Poland, Indonesia and North Korea.

- (a) United States Bureau of Mines' estimate.
- (b) Exports.
- (c) Estimated.
- (d) Source: International Superphosphate Manufacturers' Association.
- (e) Delivered.
- (f) Phosphatic guano.

PRODUCTION OF SUPERPHOSPHATES†

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	1,007,762	873,068	870,541	940,872	890,335	760,570
Union of South Africa*	511,246	496,118	545,811	557,126	603,705	663,455
Canada* ..	179,962	194,858	184,286	179,358	184,401	170,010
India ..	48,294	105,056	74,165	81,168	141,684	166,848
Pakistan ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,024	1,423
Australia (c) ..	1,581,001	1,771,277	1,956,735	1,916,237	1,975,015	2,219,592
New Zealand (d) ..	680,497	878,700	947,002	871,800	866,200	792,200
Irish Republic* ..	169,210	170,144	166,535	146,058	122,263	191,094
OTHER COUNTRIES						
Austria* ..	—	15,000	49,777	42,291	43,600	119,230
Belgium* ..	157,572	276,012	222,986	263,823	(a) 241,000	321,320
Czechoslovakia ..	237,000	271,000	312,000	324,000	362,000	<i>n.a.</i>
Denmark (e) ..	433,393	422,470	350,971	344,192	301,929	218,811
Finland—						
Superphosphate ..	107,200	70,000	90,200	} 325,043	350,968	{ 153,300
Kotka-phosphate ..	202,900	233,500	205,600			
France ..	916,800	1,053,700	1,055,100	1,068,509	1,138,965	1,221,200
Germany (Federal)* ..	501,222	434,851	444,273	448,012	431,873	457,201
Germany (East) ..	273,000	290,000	286,000	391,000	399,000	409,000
Greece* ..	117,033	197,309	222,007	169,615	193,448	209,574
Hungary ..	161,225	166,091	155,745	147,418	162,295	<i>n.a.</i>
Italy ..	1,781,166	1,988,750	1,944,556	1,867,915	1,822,814	1,721,651
Netherlands* ..	574,900	689,314	689,911	652,802	663,661	701,105
Norway ..	90,640	121,595	91,489	108,040	86,424	84,000
Poland (b) ..	418,600	487,700	530,800	493,500	543,000	<i>n.a.</i>
Portugal ..	372,533	363,525	392,469	377,413	434,785	385,453
Roumania ..	r 10,000	23,000	45,000	54,000	74,000	<i>n.a.</i>
Spain ..	1,271,472	1,433,428	1,440,899	1,543,150	1,532,778	1,634,729
Sweden ..	517,398	574,865	595,094	r 565,988	751,365	<i>n.a.</i>
Switzerland* ..	9,400	9,488	15,600	16,200	18,600	28,400
U.S.S.R. (a) ..	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Yugoslavia ..	42,000	78,000	126,000	162,000	213,000	<i>n.a.</i>
Canary Islands ..	22,404	20,786	21,942	r 24,820	26,023	<i>n.a.</i>
Egypt ..	95,393	148,067	134,886	154,044	174,676	<i>n.a.</i>
Algeria ..	92,797	129,029	116,473	78,280	99,000	<i>n.a.</i>
Morocco ..	75,800	94,428	89,000	<i>n.a.</i>	76,000	99,000
Tunisia ..	29,674	96,321	116,695	105,000	126,000	105,062
Cuba* (a) ..	26,000	30,000	30,000	30,000	40,000	40,000
Mexico* ..	75,000	64,993	64,600	76,031	83,250	(a) 84,000
United States* ..	10,652,093	10,573,051	11,460,810	11,118,025	10,969,832	10,621,306
Brazil* ..	(a) 72,000	(a) 72,000	64,000	(a) 75,000	75,000	129,734
Colombia* ..	2,000	2,000	2,000	2,000	<i>n.a.</i>	<i>n.a.</i>
Uruguay* ..	4,000	17,000	25,600	29,500	29,500	30,000
Formosa ..	68,053	76,816	78,922	99,123	101,969	102,170
Israel ..	34,411	75,353	99,694	115,000	(c) 92,888	(c) 102,638
Japan ..	1,490,541	1,824,234	1,921,187	2,213,319	1,834,911	1,730,069
Turkey ..	21,653	20,252	17,901	10,028	7,437	5,049
WORLD'S TOTAL	28,000,000	30,000,000	31,000,000	31,000,000	31,000,000	31,000,000

†Including, in some cases, concentrated superphosphate converted to ordinary superphosphate.

*Source: International Superphosphate Manufacturers' Association.

(a) Estimated.

(b) Production of superbasic slag in Poland was as follows (long tons): 1953—99,700; 1954—114,500; 1955—127,100; 1956—114,500; 1957—136,000; 1958—*n.a.*

(c) Years ended June 30 of that stated.

(d) Superphosphate content of all fertilizers made during years ended March 31 of the year following that stated.

(e) In addition the following amounts of potash superphosphate were produced (long tons): 1954—25,038; 1955—102,540; 1956—168,369; 1957—256,843; 1958—356,920.

PRODUCTION OF BASIC SLAG

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain (a) ..	600,782	540,833	483,300	615,392	619,712	648,768
OTHER COUNTRIES						
France	1,297,230	1,376,912	1,679,445	1,729,207	1,816,881	1,889,333
Germany (Federal) ..	1,613,000	1,796,000	2,324,000	2,463,000	2,515,000	2,325,000
Germany (East) ..	80,000	80,000	74,000	75,000	81,000	<i>n.a.</i>
Italy	42,693	56,365	63,200	54,895	74,617	80,700
Luxemburg	507,400	551,933	673,136	732,690	724,500	674,199
Saar	399,492	440,627	503,933	532,162	549,374	562,435
Sweden	14,048	14,103	18,249	14,988	13,947	<i>n.a.</i>

Basic slag has also been produced in Belgium, Czechoslovakia, Poland, U.S.S.R., United States and Japan.

(a) Years ended June 30 of that stated.

EXPORTS OF PHOSPHATES, Etc.
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom— Phosphatic fertilizers ..	3,604	2,769	2,612	1,111	1,313	1,058
Seychelles— Phosphatic guano ..	8,719	11,676	785	4,123	6,136	16,540
Somaliland Protectorate— Phosphatic guano ..	358	—	239	196	—	—
South West Africa— Phosphatic guano ..	1,579	582	1,471	—	2,517	—
Uganda— Phosphates	5,363	2,867	3,105	2,399	2,641	2,630
Union of South Africa— Superphosphates ..	36,770	36,058	38,625	24,517	22,145	4,200
Canada— Phosphatic fertilizer ..	157,986	171,503	(£6,330,387)	(£5,639,337)	(£4,848,807)	(£4,531,308)
Christmas Island (b)— Phosphate-rock ..	280,192	350,960	390,226	340,611	335,569	373,750
Hong Kong (c)— Phosphatic fertilisers ..	2,044	—	—	—	—	30,340
Malaya (c)— Phosphatic fertilizers ..	114	116	32	12	138	63
Australia (a)— Superphosphates ..	1,298	1,605	2,137	1,727	1,742	2,064
New Zealand— Superphosphates ..	5	18	37	48	95	81
Nauru Island— Phosphate-rock ..	1,159,750	1,178,150	1,401,250	1,332,600	1,105,250	1,234,450
Ocean Island— Phosphate-rock ..	282,362	292,200	308,850	297,150	292,150	323,800
OTHER COUNTRIES						
Belgium-Luxemburg E.U.— Phosphate-rock ..	2,546	7,003	71	880	836	3,329
Superphosphates ..	137,343	136,759	97,205	121,871	95,833	175,505
Di-calcium phosphate ..	101,336	107,143	133,560	135,894	148,287	185,206
Basic slag	961,838	1,081,764	1,184,450	1,331,408	1,501,980	1,393,917
Denmark— Superphosphates ..	81	—	—	—	—	—
France— Phosphate-rock ..	849	314	1,353	36	140	839
Superphosphates ..	25,331	21,705	22,019	15,603	23,362	17,971
Basic slag	295,457	281,485	301,841	283,239	355,771	334,550
Di-calcium phosphates	4,211	4,093	824	932	1,086	1,751
Germany (Federal)— Phosphate-rock ..	—	—	1	—	99	12,643
Superphosphates ..	28,967	21,005	11,142	16,308	12,433	9,069
Basic slag	45,308	44,612	121,009	92,497	146,215	175,589
Hungary— Superphosphates ..	—	1,203	26,866	25,098	22,010	37,086
Italy— Superphosphates ..	75,717	108,352	70,507	92,463	122,655	135,018
Netherlands— Superphosphates ..	267,471	278,419	305,535	319,782	344,519	372,478
Norway— Superphosphates ..	—	—	2,188	4,529	5,019	9,754
Portugal— Superphosphates ..	16,189	21,428	12,958	21,676	12,205	15,122

(a) Years ended June 30 of that stated.

(c) Including re-exports.

(b) Including exports to Federation of Malaya.

EXPORTS OF PHOSPHATES, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Spain—						
Superphosphates, etc.	23,982	241	234	145	102	9,169
Sweden—						
Superphosphates ..	—	—	165	4,110	—	4,029
Basic slag	—	10,296	9,767	21,404	24,883	17,224
U.S.S.R.—						
Apatite ore	<i>n.a.</i>	<i>n.a.</i>	88,400	80,600	42,000	98,900
do. concentrates ..	<i>n.a.</i>	<i>n.a.</i>	884,500	1,106,000	1,241,800	1,480,900
Superphosphates ..	<i>n.a.</i>	<i>n.a.</i>	47,400	62,600	119,600	93,500
Algeria—						
Phosphate-rock ..	530,277	676,673	711,706	569,477	563,766	582,275
Superphosphates ..	16,743	9,367	4,742	6,096	7,925	2,170
Egypt—						
Phosphate-rock ..	373,128	388,839	414,304	408,536	373,716	416,579
French West Africa r—						
Phosphate rock ..	34,172	7,799	11,023	5,532	6,899	—
Aluminium phosphates	25,737	52,451	64,392	56,940	64,359	42,973
Madagascar—						
Phosphate rock ..	—	1,142	—	2,584	3,396	1,968
Morocco—						
Phosphate-rock ..	4,047,505	4,865,526	5,165,153	5,472,398	5,304,574	6,173,749
Hyperphosphates ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	4,439	14,932	8,842
Tunisia						
Phosphate-rock ..	1,480,051	1,895,133	1,888,283	1,747,733	1,708,710	1,923,949
Hyperphosphates ..	82,245	r 76,176	42,897	100,887	103,722	92,229
Superphosphates ..	11,268	53,418	61,236	71,650	90,040	115,831
Netherlands West Indies—						
Phosphate-rock ..	94,518	r 124,654	r 109,240	r 103,579	r 105,384	85,269
United States—						
Phosphate-rock ..	2,100,798	2,385,013	2,267,648	2,880,484	3,126,215	2,818,073
Superphosphates (a)	250,738	390,834	376,614	494,025	561,424	510,390
Angaur Island—						
Phosphate-rock ..	96,845	93,846	76,882	—	—	—
French Polynesia (Makatea)—						
Phosphate-rock ..	241,069	225,280	222,608	260,742	300,400	304,370
Israel—						
Phosphate rock ..	<i>n.a.</i>	4,885	30	29,623	20,881	58,483
Japan—						
Superphosphates ..	83,668	143,887	206,001	320,263	195,436	139,613
Calcined phosphates ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	30,362	1,672	3,902
Basic slag	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	10,251	6,781	—
Jordan—						
Phosphate-rock ..	38,384	42,808	148,242	154,529	210,320	228,638

(a) Including concentrated superphosphate.

IMPORTS OF PHOSPHATES, Etc.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Phosphate-rock	1,078,635	1,110,294	1,132,274	1,181,894	1,102,422	1,067,452
Guano, raw	780	1	613	—	—	—
Superphosphates	17,651	1,565	1,901	2,905	2,581	1,625
Basic slag	137,324	45,588	79,057	91,673	110,318	114,958
Ammonium phosphate	20	35	90	609	4,680	8,123
Kenya—						
Superphosphates, basic slag, etc.	10,841	7,776	20,954	10,316	15,736	14,795
Mauritius—						
Phosphatic guano	2,326	4,744	2,425	5,271	7,175	10,237
Superphosphates, basic slag, etc.	192	258	167	767	1,913	914
Nigeria—						
Phosphate-rock	<i>n.a.</i>	1,362	238	487	2	1
Superphosphates	<i>n.a.</i>	118	112	117	511	411
Other phosphatic fertilizers	<i>n.a.</i>	80	1,401	897	987	3,078
Southern Rhodesia—						
Superphosphates	42,306	(c) 49,980	(c) 52,729	(c) 41,178	(c) 60,777	(c) 39,933
South West Africa—						
Superphosphates	658	564	(a)	(a)	(a)	(a)
Tanganyika—						
Superphosphates, basic slag, etc.	269	1,116	545	1,433	2,246	742
Uganda—						
Superphosphates, basic slag, etc.	25	8	446	648	686	1,711
Union of South Africa—						
Phosphate-rock	253,570	344,852	(b) 352,935	(b) 471,712	(b) 400,556	(b) 372,578
Phosphatic guano	1,954	1,776	9	—	91	—
Superphosphates	13	318	(b) 40,792	(b) 34,947	(b) 9,323	(b) 18,466
Basic slag	15,461	24,440	(b) 30,536	(b) 20,862	(b) 45,346	(b) 51,721
Canada—						
Phosphate-rock	514,732	575,768	525,186	560,400	645,732	664,432
Superphosphates, triple do., other	182,668	{ 17,769	{ 31,539	{ 34,364	{ 40,518	{ 39,507
Basic slag	893	{ 160,942	{ 157,092	{ 164,278	{ 146,202	{ 154,872
Other phosphatic fertilizers	<i>n.a.</i>	{ 1,410	{ —	{ 1,000	{ 500	{ 750
Total		3,348	2,369	1,575	2,527	2,969
British West Indies—						
Jamaica—						
Phosphatic fertilizers	188	444	1,043	714	2,800	2,383
St. Vincent—						
Superphosphates	156	12	120	67	62	84
Trinidad and Tobago—						
Superphosphates	598	588	1,610	1,734	2,430	1,305
Basic slag	—	24	19	20	20	30
British Guiana—						
Superphosphates, basic slag, etc.	859	3,042	3,971	4,681	4,265	4,593
Ceylon—						
Phosphate-rock	31,271	43,626	28,290	37,973	28,470	19,397
Superphosphates	1,749	2,344	2,961	3,443	8,050	1,296
Basic slag	188	129	45	168	224	183
Other phosphatic fertilizers	<i>n.a.</i>	<i>n.a.</i>	14,483	15,929	25,595	26,125
Cyprus—						
Superphosphates	26,006	31,007	19,820	38,567	{ 38,633	{ 31,201
Basic slag, etc.					{ 102	{ —

(a) Included with Union of South Africa.

(c) Federation of Rhodesia and Nyasaland.

(b) Includes South West Africa.

IMPORTS OF PHOSPHATES, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958			
COMMONWEALTH COUNTRIES (cont.)									
Hong Kong (total imports)—									
Superphosphates, basic slag, etc.	2,067	161	177	357	169	29,062			
India—									
Phosphate-rock	21,967	71,380	{ (c)30,326 (d)33,657	45,874	115,895	121,260			
Other phosphates				9,800	47	4,480			
Superphosphates				7,873	1	574	260	3,687	266
Ammonium phosphate				300	—	300	—	10	37
Malaya (total imports)—									
Phosphate-rock	—	50	—	1,000	31,163	29,879			
Phosphatic fertilizers	1,296	3,074	3,790	6,437	10,843	3,122			
North Borneo—									
Phosphate-rock	n.a.	104	84	284	177	656			
Superphosphates	n.a.	11	23	5	27	41			
Pakistan—									
Superphosphates	(b) —	(b) —	(b) —	38	—	—			
Sarawak—									
Natural phosphates	n.a.	175	41	5	61	484			
Phosphatic fertilizers	n.a.	2,600	1,592	787	1,059	2,069			
Australia (a)—									
Phosphate-rock	1,271,139	1,143,330	1,086,884	1,418,524	1,321,607	1,273,766			
Superphosphates	1	—	—	—	150	1			
New Zealand—									
Phosphate-rock	442,122	518,306	573,568	587,778	539,639	486,292			
Phosphatic guano	—	9,897	—	—	—	8,500			
Superphosphates	176	3,382	7,517	3,317	249	392			
Basic slag	36,998	87,555	65,743	60,193	50,050	41,658			
Other phosphates	15,169	11,984	114	19	516	1,962			
Irish Republic—									
Phosphate-rock	118,959	121,281	107,300	114,173	73,387	121,544			
Superphosphates	12,236	29,979	63,631	56,744	66,998	66,270			
Basic slag	35,718	32,096	48,924	48,348	44,337	38,358			
Other phosphatic fertilizers	3,581	4,180	6,392	563	12,335	10,062			
OTHER COUNTRIES									
Austria—									
Phosphate-rock	438	24,218	57,217	20,507	39,373	69,154			
Superphosphates	70,912	113,558	73,945	109,488	135,000	114,363			
Basic slag	98,927	153,840	131,836	154,274	199,718	224,285			
Belgium-Luxemburg E.U.—									
Phosphate-rock	325,270	426,733	387,523	444,246	475,986	571,697			
Superphosphates	12	46	—	46	—	4			
Di-calcium phosphates	69	146	29	3	2	6			
Basic slag	10,040	213	154	68	508	57			
Czechoslovakia—									
Phosphatic fertilizers (e)	50,000	90,000	98,000	91,000	94,000	120,000			
Denmark—									
Phosphate-rock	241,555	271,494	237,303	279,086	265,813	269,738			
Superphosphates	96,662	67,234	38,195	109,734	126,839	97,156			
Basic slag	—	1,274	4,228	5,563	5,163	7,229			
Finland—									
Phosphate-rock	141,870	187,880	152,310	180,878	303,001	234,198			
Superphosphates	1,322	38,082	53,059	19,643	—	—			
Basic slag	—	—	4,194	18,702	—	6			
Di-calcium phosphates	5,855	9,337	10,261	11,723	8,701	11,217			

(a) Years ended June 30 of that stated.

(b) Years ended March 31 following that stated. Excluding F.O.A. supplies.

(c) April to December only.

(d) Including phosphate-rock during January to March.

 (e) P₂O₅ content.

IMPORTS OF PHOSPHATES, Etc. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
France—						
Phosphate-rock ..	1,033,856	1,342,223	1,450,048	1,437,221	1,412,789	1,763,638
Aluminium phosphates ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	25,356	65,528	71,092
Superphosphates ..	5,110	18,256	29,626	46,831	55,643	68,353
Calcined phosphates ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	34,564	52,128	36,173
Basic slag ..	15	1,185	83,624	274,968	273,900	248,199
Di-calcium phosphates ..	6,073	10,847	7,649	12,249	19,597	19,412
Germany (Federal)—						
Phosphate-rock, etc. ..	580,401	857,772	941,486	889,700	1,047,246	1,216,183
Superphosphates ..	748	1,225	1,142	1,978	2,559	2,448
Basic slag ..	193,808	325,391	322,013	230,250	409,429	373,154
Germany (East) (a)—						
Phosphatic fertilizers ..	50,454	58,924	49,626	59,298	58,001	61,250
Greece—						
Phosphate-rock ..	52,949	138,432	153,135	136,473	151,007	186,891
Other phosphatic fertilizers ..	2,517	72,649	21,629	13,389	6,964	27,905
Hungary—						
Phosphate-rock ..	85,925	97,740	78,094	112,383	74,471	157,608
Iceland—						
Superphosphates ..	3,448	3,888	3,908	5,906	6,063	7,972
Italy—						
Phosphate-rock ..	1,164,201	1,260,768	1,287,086	1,450,580	1,286,161	1,275,171
Superphosphates ..	—	1	685	2	353	195
Basic slag ..	60,983	65,007	82,519	94,199	68,324	64,702
Netherlands—						
Phosphate-rock ..	438,618	553,353	520,127	508,319	549,133	616,175
Superphosphates ..	1,000	525	1,178	125	122	86
Basic slag ..	354,418	382,976	294,666	292,415	305,736	289,559
Di-calcium phosphates ..	15,364	7,668	16,340	27,697	23,250	20,787
Ammonium phosphates ..	36	52	47	5,886	5,644	10,563
Norway—						
Phosphate-rock ..	70,348	86,973	92,501	123,182	148,239	122,274
Superphosphates ..	45,786	15,476	14,490	—	—	—
Basic slag ..	6,239	7,343	4,881	6,182	6,579	6,816
Portugal—						
Phosphate-rock ..	243,582	235,900	228,330	252,625	245,078	218,674
Superphosphates ..	<i>n.a.</i>	472	6,525	—	2,461	4,183
Basic slag ..	8,266	10,296	18,862	12,379	13,760	22,083
Spain—						
Phosphate-rock ..	658,966	712,610	693,574	824,966	833,945	920,418
Superphosphates, etc. ..	—	—	10	2,921	1	—
Basic slag ..	9,627	6,923	46,901	55,397	63,632	49,875
Sweden—						
Phosphate-rock ..	303,995	354,281	307,461	344,657	346,338	294,506
Superphosphates ..	—	—	—	706	1,847	1,649
Switzerland—						
Phosphate-rock (b) ..	24,000	25,000	24,000	24,000	24,000	22,000
Superphosphates, etc. ..	12,694	15,949	12,835	12,112	12,941	14,211
Basic slag ..	141,259	154,908	160,315	150,643	158,493	162,502
Yugoslavia—						
Phosphate-rock ..	65,148	39,276	74,821	91,337	159,294	144,736
Superphosphates ..	—	1,411	2,140	6,855	90,397	152,042
Basic slag ..	1,290	23,033	74,091	42,620	82,235	104,746
Algeria—						
Superphosphates ..	2,515	4,971	8,135	5,828	7,122	9,961
Basic slag ..	2,454	3,283	3,080	1,513	2,472	2,711
Di-calcium phosphates ..	1,371	1,470	958	1,628	2,194	3,888
Canary Islands—						
Phosphate rock ..	15,319	—	3,149	9,891	18,577	16,723
Egypt—						
Superphosphates ..	1,008	—	—	—	—	—

(a) P_2O_5 content.

(b) Estimated on imports from producing countries.

IMPORTS OF PHOSPHATES, Etc (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Madagascar—						
Phosphatic fertilizers ..	<i>n.a.</i>	1,503	329	1,641	1,101	720
Morocco—						
Superphosphates ..	6,025	6,946	5,330	930	90	6
Tunisia—						
Superphosphates ..	9,198	4,155	49	374	2,564	9
Costa Rica (a)—						
Phosphatic fertilizers ..	<i>n.a.</i>	<i>n.a.</i>	2,700	3,967	16,874	18,908
Cuba (a)—						
Superphosphates ..	10,121	18,095	29,272	59,656	53,748	<i>n.a.</i>
Calcium phosphates ..	4,048	4,201	25,931	6,088	6,615	<i>n.a.</i>
Dominican Republic (a)—						
Superphosphates ..	<i>n.a.</i>	2,255	2,813	4,594	9,355	5,060
Mexico (a)—						
Phosphate-rock ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	50,800	62,553	37,123
Superphosphates ..	5,013	15,965	13,348	10,408	12,553	7,298
Ammonium phosphates ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	9,903	12,471	15,773
United States—						
Phosphate-rock ..	101,171	122,016	117,256	109,891	109,546	108,182
Superphosphates ..	5,240	3,969	1,684	953	1,102	1,907
Basic slag ..	79	34	2,281	5,049	111	160
Di-calcium phosphates ..	4,483	5,142	1,172	3,556	1,685	4,078
Ammonium phosphates ..	148,658	146,547	209,396	170,155	151,313	141,726
Brazil (a)—						
Phosphate-rock ..	115,426	120,649	110,533	116,894	109,878	88,146
Superphosphates ..	69,840	90,415	95,965	104,175	112,276	146,577
Calcined phosphates ..	—	1,912	419	830	687	3,314
Basic slag ..	98	1,912	8,640	9,156	12,676	10,228
Chile—						
Superphosphates ..	2,021	252	—	1,500	2,000	<i>n.a.</i>
Di-calcium phosphates ..	24,968	18,249	5,883	<i>n.a.</i>	11,692	<i>n.a.</i>
Colombia—						
Phosphate-rock ..	1,343	1,003	1,098	499	3,656	1,494
Superphosphates ..	63	2,218	7,683	15,302	27,898	11,572
Di-calcium phosphates ..	9,405	21,945	26,103	26,321	26,362	24,189
Peru—						
Phosphate-rock ..	—	687	2,247	—	2,936	<i>n.a.</i>
Phosphatic fertilizers ..	449	3,238	5,930	8,662	6,219	<i>n.a.</i>
Venezuela (a)—						
Calcium phosphates and superphosphates ..	1,020	1,195	2,036	8,502	9,876	4,918
Formosa—						
Apatite ..	41,524	55,252	28,981	51,835	73,059	63,817
Phosphatic fertilizers ..	30,018	12,696	51,190	35,235	8,350	54,377
Indo-China—						
Phosphate-rock ..	26,003	22,995	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Indonesia—						
Superphosphates ..	7,439	5,958	11,059	16,250	24,959	26,114
Phosphatic fertilizers ..	15,562	11,303	18,743	23,713	13,221	13,085
Japan—						
Phosphate-rock ..	1,042,770	1,361,810	1,620,459	1,659,848	1,532,086	1,483,589
Korea—						
Superphosphates .. (b)	14,951	27,363	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	144,421
Lebanon—						
Phosphatic fertilizers ..	4,294	8,519	7,233	19,351	14,267	8,537
Philippine Republic—						
Superphosphates ..	7,591	6,436	2,556	2,899	3,005	897
Ammonium phosphate ..	46,778	23,706	13,487	11,247	39,840	2,781
Syria—						
Phosphatic fertilizers ..	2,875	3,463	3,494	4,641	4,282	4,615
Turkey—						
Phosphate-rock ..	10,684	17,430	35,846	29,691	5,920	12,421

(a) Total imports.

(b) "Civilian Relief in Korea" supplies.

PLATINUM
PRODUCTION OF PLATINUM METALS

Troy ounces

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Sierra Leone—						
Crude platinum ..	—	—	—	—	(a) 5	(a) 8
Union of South Africa—						
Crude (<i>Pt</i> metals content)	90,292	101,921	109,267	124,078	} 603,704	(d) 300,000
Matte (<i>Pt</i> metals content)	208,885	236,241	272,465	360,496		
Osmiridium (crude) (b)	6,966	6,266	7,095	6,696		5,361	(d) 5,000
Canada—						
Recovered from Ontario nickel-copper ores (c)—						
Platinum	137,545	154,356	170,494	151,357	199,565	144,565
Other platinum metals	166,018	189,350	214,252	163,451	216,582	150,720
Australia—						
New South Wales—						
Concentrates (<i>Pt</i> content)	—	23	7	18	17	2
Tasmania—						
Osmiridium	59	16	21	25	66	42
New Zealand—						
Crude platinum	2	1	—	—	—	—
New Guinea—						
Platinum	6	19	10	9	14	28
OTHER COUNTRIES						
U.S.S.R.—						
Crude platinum (d) ..	r 135,000	r 200,000	r 250,000	r 250,000	250,000	250,000
Belgian Congo—						
Platinum	—	—	—	25	25	32
Palladium	—	—	—	135	300	129
Ethiopia—						
Crude platinum	566	230	(d) 350	(d) 300	(d) 300	180
United States (e)—						
Crude platinum	20,868	18,952	15,377	16,147	13,838	10,656
New platinum metals recovered by refineries from gold and copper ores of domestic origin—						
Platinum	1,199	1,375	1,810	1,466	1,172	1,009
Palladium	3,989	3,908	5,879	4,163	3,798	4,397
Iridium, osmiridium, etc...	16	—	—	—	—	—

(a) Exports.

(b) It is estimated by the Department of Mines, Union of South Africa, that the osmiridium sold during these years contained the following amounts of the metals mentioned below (fine ounces):

	1953	1954	1955	1956	1957	1958
Osmium	1,823	1,978	2,003	2,189	2,068	n.a.
Iridium	1,700	1,787	1,797	1,979	1,837	n.a.
Ruthenium	837	896	881	956	877	n.a.
Platinum	726	733	751	863	718	n.a.
Rhodium	56	57	62	64	81	n.a.

(c) Metal content of concentrates produced from nickel-copper ores.

(d) United States Bureau of Mines' estimate.

(e) Secondary platinum metals recovered in the United States were as follows (troy ounces):

	1953	1954	1955	1956	1957	1958
Platinum	29,547	31,330	32,901	60,916	49,022	36,426
Palladium	30,494	31,190	26,124	37,774	31,294	38,883
Iridium	853	734	1,499	1,751	1,406	1,223
Other platinum metals	3,963	2,445	3,812	5,828	5,799	4,982

PRODUCTION OF PLATINUM METALS (cont.)

Troy ounces

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Colombia (a)— Crude platinum ..	29,202	28,465	27,526	26,215	19,830	16,036
Japan— Platinum	987	1,347	628	483	354	442
Palladium	71	248	221	218	233	240
Iridium	—	—	9	15	3,000	600
WORLD'S TOTAL (b)	r 800,000	r 900,000	r1,080,000	r 1,110,000	1,320,000	880,000

(a) Main producers only. Total production may be very much greater and exported as contraband.

(b) Estimated.

EXPORTS OF PLATINUM*
(Domestic Produce)

Troy ounces

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Platinum—						
Ingots, grain and powder	61,465	25,221	139,710	156,317	268,318	249,860
Other kinds (a) ..	186,217	182,562	211,728	204,900	144,334	25,617
Other platinum metals and alloys	203,973	183,449	271,879	285,408	191,544	156,064
Sierra Leone—						
Crude platinum ..	—	—	—	—	5	8
Union of South Africa—						
Osmiridium	6,219	5,586	6,320	37,835	6,138	4,174
Crude platinum metals	256,208	267,645	363,025	286,770	364,109	<i>n.a.</i>
Canada—						
Concentrates etc. (b) ..	(£9,486,988)	£10,120,789	(£9,564,873)	£12,867,677	£10,343,099	(£7,261,439)
Scrap	115	101	189	3,545	1,250	295
Hong Kong (including re-exports)—						
Platinum and platinum group metals	(£5,125)	(£161,320)	(£131,664)	(£24,095)	(£12,448)	(£923)
Australia (c)—						
Platinum and platinum group metals	581	529	410	765	569	862
OTHER COUNTRIES						
Austria—						
Unwrought platinum and platinum metals	4,951	4,790	5,884	4,437	4,051	6,141
Denmark—						
Rods, sheets, wire, scrap, etc.	1,093	482	354	193	900	804
France—						
Unwrought platinum, and scrap (a)	18,422	14,918	24,274	23,374	55,717	10,931
Palladium (incl. scrap) (a)	5,048	21,123	52,213	75,136	12,057	44,529
Drawn or rolled platinum	4,630	16,397	39,385	11,896	85,810	8,263
Germany (Federal)—						
Platinum metals and alloys	5,858	12,884	29,518	32,350	39,376	129,526
Italy—						
Sheets, bars, dust, scrap, etc.	547	322	—	1,447	64	5,948
Netherlands—						
Unwrought platinum ..	126,063	75,908	154,645	327,359	639,800	75,393
Norway—						
Platinum (incl. scrap) ..	5,659	15,915	10,385	15,238	9,034	13,568
Sweden—						
Unwrought platinum ..	1,768	2,958	10,192	8,327	8,423	262,800
Switzerland—						
Unwrought platinum ..	1,382	3,665	1,190	4,951	7,845	3,215

*Official figures which, in many cases, do not include platinum sent by post.

(a) Including alloys.

(b) Value of platinum and platinum metals contained in concentrates and other forms.

(c) Years ended June 30 of that stated.

EXPORTS OF PLATINUM (cont.)

Troy ounces

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
U.S.S.R.	(a)	(a)	(a)	(a)	(a)	(a)
United States—						
Ores, etc. (Pt. content) ..	30	29	—	—	—	} 35,075
Ingots, sheets, wire, etc.	2,522	16,980	17,073	23,823	17,199	
Palladium, rhodium, etc. and alloys	23,206	11,443	11,895	18,249	23,155	12,293
Colombia—						
Platinum	29,201	28,465	27,526	26,215	19,830	16,036

(a) Exports of platinum metals from U.S.S.R. are not published, but imports into the under-mentioned countries from U.S.S.R. were as follows (troy ounces):

	1953	1954	1955	1956	1957	1958
United Kingdom ..	94,917	18,279	30,012	14,452	28,074	52,529
Germany (Federal) ..	—	—	12,829	13,655	35,289	107,433
Netherlands	—	10,320	160,947	157,796	52,727	24,499
United States	31,256	4,283	16,802	42,381	24,810	93,583

IMPORTS OF PLATINUM*

(Less Re-exports)

Troy ounces

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (b)—						
Platinum—						
Ingots, grain and powder	92,407	23,507	66,517	43,916	130,569	70,608
Other kinds, including alloys	78	(c) 466	(c) 3,819	806	} 46,929	} 29,267
Other platinum metals and alloys	9,587	19,287	23,823	55,019		
Union of South Africa—						
Platinum	443	366	55	34	352	n.a.
Canada—						
Platinum palladium and iridium,	(£5,962,957)	(£6,509,440)	(£5,717,211)	(£7,119,845)	(£5,757,810)	(£3,165,333)
Hong Kong (a)—						
Platinum and platinum group metal s.	(£134,639)	(£137,088)	(£95,579)	(£101,784)	(£110,444)	(£116,472)
India—						
Platinum	n.a.	n.a.	n.a.	n.a.	2,450	2,176
Malaya (a)—						
Unwrought platinum ..	74	124	315	188	289	92
Australia (d)—						
Platinum bars, rods, sheets, etc.	256	} 4,331	} 4,378	} 881	} 515	} 63
Bars, rods, sheets, etc. of other platinum metals	4,853					
Platinum metal powder	884			1,532	984	1,872
New Zealand—				987	927	1,926
Bars, sheets, wire, etc.	806	1,131	} 1,378	} 1,826	} 1,959	} 2,585
Palladium	246	95				
OTHER COUNTRIES						
Austria—						
Unwrought platinum and platinum metals	2,283	2,411	6,044	4,501	3,601	2,315
Denmark—						
Rods, sheets, wire and scrap	868	1,478	1,061	1,350	1,254	1,736
Finland—						
Unwrought platinum etc.	257	482	691	948	871	1,653
France—						
Unwrought platinum, alloys and scrap ..	32,408	60,283	106,580	70,860	162,522	56,360
Unwrought palladium, alloys and scrap ..	15,497	48,419	101,146	106,901	42,471	60,122
Drawn or rolled platinum	96	225	675	450	1,093	96
Germany (Federal)—						
Platinum metals and alloys	54,336	76,783	147,000	103,222	124,021	194,188

*Official figures, which in many cases do not include platinum sent by post.

(a) Total imports.

(b) Imports of ores and concentrates containing platinum are not separately recorded. The value of platinum and platinum metals contained in concentrates and other forms exported from Canada to the United Kingdom were as follows: 1953—£5,331,324; 1954—£5,924,237; 1955—£5,284,797; 1956—£7,346,377; 1957—£6,445,061; 1958—£5,423,183

In addition crude platinum metals (for further refining) and osmiridium exported from the Union of South Africa to the United Kingdom, were as follows (troy ounces):

	1953	1954	1955	1956	1957	1958
Crude platinum metals ..	256,208	267,645	363,025	286,770	364,109	n.a.
Osmiridium	6,219	5,586	6,320	37,835	6,138	4,174

(c) Excess of re-exports. (d) Years ended June 30 of that stated.

IMPORTS OF PLATINUM (cont.)

Troy ounces

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Italy—						
Bars, dust and scrap ..	2,797	3,762	6,044	6,334	6,655	8,616
Sheets, foil and wire ..	193	225	1,575	3,183	3,215	2,540
Netherlands—						
Unwrought platinum ..	39,867	71,793	306,461	359,477	105,454	64,559
Norway—						
Unwrought platinum ..	813	1,853	2,817	1,640	2,347	2,476
Sheets, rolled and wire	177	665	243	322	129	261
Portugal—						
Sheets, wire, etc. ..	406	52	22	187	31	236
Spain—						
Bars, sheets, wire, etc.	—	215	1	51	19	39
Sweden—						
Unwrought platinum ..	96	1,061	675	96	739	3,408
Switzerland—						
Unwrought platinum ..	9,195	13,728	10,610	27,875	21,702	15,272
Yugoslavia—						
Unwrought platinum ..	482	707	354	4,276	5,080	13,214
Egypt—						
Ingots, bars, sheets, etc.	312	r 216	305	66	—	10
Cuba (a)—						
Ingots and bars ..	675	289	289	64	—	n.a.
Palladium	—	—	161	257	161	n.a.
Mexico (a)—						
Ingots and bars ..	782	769	409	80	72	249
United States—						
Ore (b) (c)	1,512	2,714	407	—	1,572	—
Grains and nuggets (b)	45,047	42,596	40,713	34,016	26,328	21,635
Sponge and scrap (b) (c)	108,944	148,503	177,832	152,413	128,975	112,739
Ingots, bars, sheets (b)(c)	232,483	195,187	276,755	289,516	179,349	148,191
Iridium	1,643	432	271	2,323	1,431	1,156
Osmium and osmiridium	2,397	3,187	1,999	1,318	2,977	1,595
Palladium	227,080	188,839	487,174	530,686	327,558	360,077
Rhodium and ruthenium	15,625	19,365	20,744	22,543	18,493	25,038
Brazil (a)—						
Unwrought platinum ..	1,439	13,285	r 207	r 591	1,270	1,350
Palladium	—	1,688	r 5	r 53	305	1,093
Colombia—						
Unwrought platinum	227	261	752	1,858	—	—
Uruguay—						
Platinum metals ..	312	n.a.	n.a.	n.a.	193	12
Venezuela (a)—						
Unwrought platinum ..	n.a.	—	n.a.	n.a.	2,090	9,099
Iraq—						
Unwrought platinum ..	1,286	547	n.a.	n.a.	n.a.	n.a.
Japan (d)—						
Platinum	9,612	12,761	19,192	27,776	32,978	60,401
Palladium	2,494	7,066	10,715	15,740	22,119	32,526
Rhodium	171	227	518	760	767	870
Iridium, etc.	349	903	503	762	3,337	1,224
Lebanon—						
Unwrought platinum ..	1,222	1,415	2,797	2,411	3,472	5,754
Turkey—						
Sheets	64	—	—	—	—	643

(a) Total imports.

(b) Platinum content.

(c) As recorded in official trade returns. According to the U.S. Bureau of Mines, however, these items have been re-classified as follows:

	1953	1954	1955	1956	1957	1958
Ore	840	2,714	407	—	1,572	—
Sponge and scrap ..	824	4,230	8,362	6,234	2,043	13,167
Platinum metal ..	340,632	345,081	450,270	436,757	301,611	247,763

(d) Including alloys for years 1953 to 1955.

POTASH MINERALS
PRODUCTION OF POTASH

Producing Country and Description	Long tons												
	K ₂ O Content or Equivalent												
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956	1957	1958	
COMMONWEALTH COUNTRIES													
India—													
Nitrate	(a) 2,777	(b) 3,000	n.a.	n.a.	n.a.	n.a.	n.a.	1,400	1,500	n.a.	n.a.	n.a.	n.a.
TOTAL (b)	1,400	1,500	n.a.	n.a.	n.a.	n.a.	1,400	1,500	n.a.	n.a.	n.a.	n.a.	
OTHER COUNTRIES													
France (c)—													
Sylvinite, 12-22% K ₂ O													
Fertilizer salts													
30-40% K ₂ O	5,967,437	7,144,591	7,702,675	8,376,150	8,695,652	9,230,057	292,216	320,441	336,546	378,664	296,839	199,514	
Chloride													
50% K ₂ O and over													
Germany—													
Federal Republic—													
Kainite, sylvinite, etc.	12,388,000	15,330,000	15,853,000	15,299,000	15,944,000	16,401,000	1,554,000	1,905,000	1,988,000	1,934,000	1,956,000	1,987,000	
Eastern—													
Potash salts	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,356,000	1,440,000	1,527,000	1,531,000	1,579,000	1,624,000	
Italy (d)—													
Crude potash salts	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	400	300	400	500	500	500	
Other potash fertilizers ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2,000	2,000	1,500	1,500	1,500	1,500	
Netherlands (d)—													
Potassium chloride (over													
45% K ₂ O)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	500	400	—	400	400	
Potassium sulphate	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	—	500	200	200	100	200	

(a) Incomplete.

(b) Estimated.

(c) Crude salts as mined. The K₂O content by salts relates to the marketable product only.

(d) Years ended June 30 of that stated.

PRODUCTION OF POTASH (cont.)

Long tons

Producing Country and Description	K ₂ O Content or Equivalent												
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956	1957	1958	
OTHER COUNTRIES (cont.)													
Spain—													
Carnallite, sylvinite, etc.	1,228,468	1,203,155	1,262,425	1,421,850	1,392,816	1,491,214	171,037	205,186	205,705	220,032	213,963	232,182	
Alumite	553	—	n.a.	n.a.	—	n.a.	n.a.	—	n.a.	n.a.	—	n.a.	
U.S.S.R. (a)—													
Potash salts	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	429,200	530,100	777,200	878,200	929,000	1,000,000	
United States—													
Muriate (chloride)—													
60–62% K ₂ O (c)	2,612,855	2,708,201	3,137,000	3,285,000	3,429,000	3,250,000	1,707,046	1,739,929	1,843,579	1,938,914	2,023,644	1,917,562	
48–50% K ₂ O	73,037	—	—	—	—	—	—	—	—	—	—	—	
Fertilizer salts	4,132	258,223	—	—	—	—	—	—	—	—	—	—	
Sulphate, etc. (b)	226,430	—	—	—	—	—	—	—	—	—	—	—	
Chile—													
Chloride	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	290	490	10,000	11,000	10,000	(a) 10,000	
Israel—													
Chloride	5,165	n.a.	14,000	44,981	77,000	108,000	3,100	n.a.	n.a.	27,000	46,700	66,000	
Japan—													
Alumite	4,202	5,775	6,066	6,245	6,533	6,494	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
TOTAL (d)							6,200,000	7,000,000	7,500,000	7,800,000	8,100,000	8,300,000	
WORLD'S TOTAL (d)							6,200,000	7,000,000	7,500,000	7,800,000	8,100,000	8,300,000	

NOTE.—Potash is also produced in Poland and certain other countries. An allowance has been made for these countries in the world's total.

(a) United States Bureau of Mines' estimate.

(b) Including sulphate of potash-magnesia.

(c) Including refined potash and some 93–96% KCl.

(d) Estimated.

EXPORTS OF POTASH SALTS
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Chromate and bichromate	361	490	931	(a)	(a)	(a)
Nitrate	1,309	1,198	1,007	} 558	} 734	} 125
Sulphate	75	48	81			
Other compounds	2,045	1,888	2,048				2,857	3,079	2,846
Hong Kong (re-exports)—						
Nitrate	134	84	142	213	320	368
Chlorate	236	266	401	292	239	373
India—						
Nitrate	40	110	111	148	6	16
Malaya (including re-exports)—						
Fertilizer salts	10	7	11	28	47	42
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Fertilizer salts	80,843	6,969	8,186	1,960	930	765
Carbonate	1,786	912	1,784	2,532	1,980	2,260
Caustic potash	2,162	3,423	4,170	3,012	3,472	5,022
Chloride	488,680	474,347	530,625	662,015	681,632	714,323
Chlorates	—	—	3	—	—	1
Nitrate	91	119	49	21	33	32
Sulphate	162,155	169,165	192,745	189,289	201,743	240,532
Finland—						
Chlorate	226	417	843	378	119	27
France—						
Sylvinite, etc.	443,063	351,602	296,803	339,076	339,216	368,607
Carbonate	5,347	6,593	7,514	7,357	9,140	7,265
Caustic potash	r 7,414	r 9,345	r 11,127	r 8,248	9,325	8,114
Chlorate	912	834	1,403	549	539	948
Chloride	} 577,628	} 674,029	} 706,907	} 726,423	} 769,935	} 795,688
Sulphate						
Nitrate	669	980	1,225	3,418	3,072	2,876
Germany (Federal)—						
Fertilizer salts	1,256,178	1,360,789	1,260,171	1,577,232	1,347,538	1,233,852
Carbonate	1,957	3,265	5,497	4,289	3,584	4,260
Caustic potash	2,131	3,911	4,130	3,227	3,556	3,791
Chlorate	209	150	91	159	760	233
Nitrate	5,399	5,372	7,090	6,801	8,476	11,790
Germany (East)—						
Fertilizer salts						
(K ₂ O content)	855,000	889,000	985,000	951,000	961,000	970,000
Carbonate	6,303	6,866	9,130	9,462	9,918	10,543
Caustic potash	6,819	5,582	7,308	7,490	7,731	8,374
Netherlands—						
Carbonate	1,350	832	227	344	1,224	274
Caustic potash	265	20	4	17	6	23
Chloride	470	442	983	670	580	779
Nitrate	14	12	18	51	31	65
Sulphate	300	66	67	54	17	98
Portugal—						
Chloride	395	181	204	884	843	200
Spain—						
Chloride	247,071	240,671	237,775	251,375	323,462	260,495
Chlorate	—	—	31	13	124	—
Sweden—						
Carbonate	4	8	41	47	18	4
Caustic potash	1,375	1,907	2,118	2,238	1,723	1,918

(a) Included with other compounds.

EXPORTS OF POTASH SALTS (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Nitrate (crude).. ..	6,801	—	5	18	3,946	2,927
U.S.S.R.—						
Fertilizer salts	<i>n.a.</i>	<i>n.a.</i>	45,300	105,400	217,700	388,400
United States—						
Chloride	63,467	82,802	175,884	300,721	358,565	414,969
Other fertilizer salts	11,008	16,469	22,776	48,133	51,880	28,607
Caustic potash	2,089	2,150	2,396	2,853	2,958	3,299
Other compounds	2,021	2,822	3,323	2,980	3,765	5,301
Chile—						
Nitrate	41,124	63,038	66,975	55,305	51,313	54,600
Israel—						
Chloride	1,750	12,799	7,923	15,683	75,267	77,917
Japan—						
Chlorate	467	584	491	355	427	766
Chloride	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	492	2,931	1,005
Sulphate .. ..							874	24

IMPORTS OF POTASH SALTS
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Fertilizer salts	30,760	37,784	35,440	36,962	36,693	38,378
Carbonate	3,767	4,428	5,341	4,269	5,367	5,168
Caustic potash and lyes	1,793	2,421	2,499	1,340	1,550	1,660
Chlorate	741	621	1,227	1,158	1,179	1,106
Chloride	504,880	473,641	509,927	552,653	537,290	581,713
Nitrate	710	927	1,281	2,354	1,205	2,689
Sulphate	9,881	7,008	13,927	12,915	15,642	16,143
Other compounds	435	817	825	1,120	1,841	1,073
Ghana—						
Fertilizer salts	<i>n.a.</i>	71	49	205	120	92
Kenya—						
Fertilizer salts	—	229	425	376	796	11
Mauritius—						
Fertilizer salts	3,898	5,484	5,102	5,054	7,147	7,751
Nigeria—						
Fertilizer salts	<i>n.a.</i>	976	711	1,647	964	1,040
Northern Rhodesia—						
Compounds	92	(b)	(b)	(b)	(b)	(b)
Southern Rhodesia—						
Fertilizer salts	<i>n.a.</i>	(c) 13,952	(c) 19,333	(c) 16,158	(c) 19,112	(c) 16,247
Compounds	25	(c) 172	(c) 285	(c) 201	(c) 406	(c) 267
Tanganyika—						
Fertilizer salts	350	183	247	544	727	610
Uganda—						
Fertilizer salts	13	67	138	379	21	305
Union of South Africa—						
Fertilizer salts	27	695	3,709	3,655	6,811	<i>n.a.</i>
Nitrate	138	128	168	182	243	195
Caustic potash	150	150	301	284	380	349
Chloride	13,319	20,303	31,769	36,628	31,739	43,358
Other compounds	502	855	1,150	1,270	1,127	1,046
Canada—						
Fertilizer salts	1,227	17	—	18	—	—
Caustic potash	1,940	2,431	2,206	2,627	3,260	3,946
Chlorate	44	53	59	56	64	36
Crude chloride	107,833	102,936	123,654	117,226	122,005	117,236
Nitrate	539	442	554	487	467	607
Crude sulphate	11,427	11,415	12,461	14,422	15,823	13,874
Other compounds	1,421	1,473	2,059	2,475	3,376	3,599
British West Indies—						
Barbados—						
Fertilizer salts	2,040	5,539	3,160	4,375	6,570	2,881
Jamaica—						
Fertilizer salts	1,934	2,349	1,477	3,421	3,641	3,798
St. Vincent—						
Chloride	153	78	118	85	68	519
Trinidad and Tobago—						
Chloride and sulphate	1,307	2,012	2,058	1,790	2,966	1,978
British Guiana—						
Fertilizer salts	<i>n.a.</i>	663	<i>n.a.</i>	1,898	1,604	3,261
Ceylon—						
Kainite and sylvinite ..	549	640	699	500	500	500
Chloride	22,021	29,412	26,751	45,916	38,345	35,080
Nitrate of potash refuse	1	—	6	19	6	2
Sulphate	440	325	275	1,060	695	400
Hong Kong (a)—						
Nitrate	251	362	564	664	595	1,079
Chlorate	68	178	334	223	273	316

(a) Total imports.

(b) See under Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

IMPORTS OF POTASH SALTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
India—						
Fertilizer salts	1,266	10,411	7,107	7,674	—	6,011
Carbonate					835	652
Caustic potash					454	703
Nitrate					40	—
Sulphate					13,973	2,983
Chlorate	1,081	925	1,050	808	1,158	450
Chloride	7,308	27,807	14,026	15,927	7,373	25,038
Malaya (a)—						
Fertilizer salts	1,745	5,416	7,865	5,553	9,484	10,951
Pakistan (c)—						
Chlorate	313	678	1,562	203	424	538
Chloride	—	—	—	—	5	—
Other compounds	54	94	261	64	497	193
Australia (b)—						
Carbonate	140	304	628	1,008	622	771
Caustic potash	393	471	765	1,021	1,349	636
Chloride	12,858	19,041	23,933	35,588	34,399	43,786
Nitrate	174	272	297	368	347	470
Sulphate	1,610	3,198	3,481	3,487	3,845	4,793
Other compounds	123	201	429	407	462	543
New Zealand—						
Caustic potash and pearl ash	23	71	n.a.	n.a.	n.a.	n.a.
Chlorate	49	46	n.a.	n.a.	n.a.	n.a.
Chloride	26,518	33,566	30,622	32,892	38,908	52,451
Nitrate	79	29	98	87	74	138
Sulphate	2,258	2,592	2,017	2,209	2,622	2,903
Other fertilizer salts	75	278	412	414	—	75
Compounds other than fertilizer	86	88	160	249	273	319
Irish Republic—						
Fertilizer salts	—	604	613	794	670	1,089
Chloride	59,704	73,143	82,178	68,736	100,574	93,133
Other compounds	750	376	429	474	415	542
OTHER COUNTRIES						
Austria—						
Fertilizer salts	86,627	126,503	128,571	141,112	176,829	202,669
Caustic potash	157	255	356	305	369	431
Carbonate	365	548	491	396	846	786
Chloride	18	145	321	263	168	128
Nitrate	221	341	381	274	252	264
Sulphate	77	—	297	119	3	150
Belgium-Luxemburg						
E.U.—						
Fertilizer salts	303,719	182,974	162,273	182,799	201,948	193,424
Carbonate	1,051	742	613	825	567	536
Caustic potash	588	209	143	605	359	614
Chlorates	293	672	556	641	607	423
Chloride	788,533	849,363	931,565	1,082,758	1,094,255	1,100,611
Nitrate	1,176	1,102	1,741	1,651	1,731	1,962
Sulphate	9,110	24,348	15,639	20,315	15,243	21,511
Czechoslovakia						
Fertilizer salts	n.a.	n.a.	n.a.	165,000	184,000	214,000
(K ₂ O content)						

(a) Total imports.

(b) Years ended June 30 of that stated.

(c) Years ended March 31 following that stated, up to 1955 inclusive.

IMPORTS OF POTASH SALTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Fertilizer salts	329,337	282,317	277,511	343,920	314,788	296,111
Carbonate	448	501	376	397	329	378
Caustic potash	1,091	1,079	1,046	1,036	895	809
Chlorate	106	132	168	133	143	116
Chloride	224	136	109	135	112	49
Nitrate	692	972	742	949	913	956
Sulphate	115	9	12	9	14	8
Finland—						
Fertilizer salts	89,873	87,191	94,986	109,857	113,788	76,668
Carbonate	101	245	295	289	300	258
Caustic potash	143	203	118	157	123	226
Chloride	1,189	1,851	3,794	1,476	1,974	1,481
Nitrate	67	99	132	43	114	115
Sulphate	3,938	4,555	8,395	6,547	986	1,481
France—						
Fertilizer salts	2,357	1,692	14,172	793	5,489	19,080
Caustic potash	21	r 26	34	r 48	42	38
Germany (Federal)—						
Fertilizer salts	308	291	—	3	—	—
Carbonate	118	57	5	6	—	—
Caustic potash	267	286	205	195	208	230
Chlorate	111	75	58	90	103	355
Nitrate	49	157	207	304	79	295
Greece—						
Carbonate	637	851	1,092	748	765	1,368
Caustic potash	23	26	42	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Nitrate	43	179	188	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Sulphate	—	9,025	1,975	12,792	25,787	13,118
Hungary—						
Fertilizer salts	21,697	29,086	31,700	26,336	35,798	57,250
Iceland—						
Fertilizer salts	2,319	2,731	3,279	2,956	3,416	3,988
Carbonate	206	8	15	11	7	12
Caustic potash	38	24	53	28	23	28
Italy—						
Fertilizer salts	54,155	66,842	79,636	65,305	68,596	60,503
Carbonate	2,151	2,674	3,183	3,227	3,188	2,269
Caustic potash	3,045	4,021	6,603	3,465	3,449	2,664
Chloride	15,218	14,319	26,229	31,878	34,843	56,345
Nitrate	1,038	1,034	808	874	886	638
Sulphate	14,645	13,441	26,353	35,130	31,556	43,075
Netherlands—						
Kainite	94,717	76,187	45,779	52,842	48,568	45,538
Fertiliser salts						
(20% K ₂ O)	35,826	44,626	34,949	37,752	40,153	42,777
do. (40% K ₂ O)	298,096	284,596	225,549	262,475	239,698	230,638
Carbonate	3,624	3,077	4,177	4,614	4,169	4,975
Caustic potash	3,140	4,811	5,032	4,016	5,059	6,136
Chloride	17,580	29,512	24,961	33,194	39,731	47,385
Nitrate	1,075	1,461	1,718	2,400	1,827	1,470
Sulphate	13,563	16,581	29,579	26,966	28,385	28,798
Patent potash	61,488	66,981	56,032	52,337	43,718	55,374
Norway—						
Fertilizer salts	94,324	91,171	45,073	44,462	51,380	21,241
Carbonate	418	340	413	389	281	270
Caustic potash and lyes	1,362	1,524	1,413	1,337	1,079	972
Chlorate	70	131	149	219	144	130
Chloride	7,238	17,959	22,635	39,960	53,445	54,822
Nitrate	129	199	104	194	258	155
Sulphate	(a)	(a)	16,097	18,905	17,893	17,867

(a) Included with fertilizer salts.

IMPORTS OF POTASH SALTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Portugal—						
Carbonate	73	90	79	120	109	103
Caustic potash	47	95	22	65	79	64
Chlorate	155	191	182	180	196	159
Chloride	5,311	12,727	8,776	16,264	15,109	11,763
Nitrate	280	353	316	391	309	415
Sulphate	—	246	1,739	1,642	1,425	1,181
Sweden—						
Fertilizer salts						
(40% K ₂ O)	176,658	109,430	13,994	—	—	530
do. (other)	562	58,738	143,734	176,492	157,069	130,027
Carbonate	1,115	1,568	1,666	1,519	1,136	1,129
Caustic potash	202	364	313	361	336	332
Chloride	5,294	10,560	10,364	15,423	13,594	7,736
Nitrate	636	700	776	924	839	801
Sulphate	5,663	3,892	8,201	10,319	8,273	7,323
Switzerland—						
Fertilizer salts	62,264	69,081	74,470	69,104	67,026	79,292
Carbonate	581	1,268	1,153	1,694	1,399	1,236
Caustic potash	2,079	2,324	2,483	2,164	2,886	1,589
Chloride	2,138	4,350	6,965	9,785	13,393	15,936
Nitrate, crude	99	1	295	16	—	169
Nitrate, purified, including sodium nitrate	661	475	607	811	641	769
Yugoslavia—						
Fertilizer salts	22,219	33,038	55,701	55,108	46,411	123,549
Caustic potash	57	99	187	70	<i>n.a.</i>	95
Chloride	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	2,298	87,039	72,050
Nitrate	1	1,080	—	39	—	10
Sulphate	50	87	39	492	3,174	1,191
Algeria—						
Fertilizer salts	15,159	20,729	17,687	10,070	19,439	25,675
Carbonate	2	11	6	2	12	1
Caustic potash	40	28	29	20	55	44
Nitrate	13	21	11	377	181	241
Canary Islands—						
Fertilizer salts	<i>n.a.</i>	3,429	—	—	3,923	10
Egypt—						
Fertilizer salts	464	633	—	231	2,966	4,457
Carbonate	31	102	184	81	196	369
Caustic potash	45	33	32	137	172	136
Chlorate	172	143	184	234	195	196
Madagascar—						
Fertilizer salts	362	789	311	699	1,408	2,351
Morocco—						
Chloride	6,021	6,848	6,460	1,949	1,623	3,525
Sulphate	2,284	4,345	4,630	1,569	674	4,516
Tunisia—						
Fertilizer salts	1,061	1,526	2,293	1,641	2,469	3,843
Caustic potash	9	7	9	5	6	11
Costa Rica (a)—						
Fertilizer salts	<i>n.a.</i>	<i>n.a.</i>	359	1,142	3,270	1,345
Cuba (a)—						
Nitrate	8,262	3,883	5,357	16,205	10,304	<i>n.a.</i>
Chlorate	129	235	236	187	259	<i>n.a.</i>
Chloride	3,959	11,767	10,418	9,779	21,488	<i>n.a.</i>
Sulphate	4,157	4,278	11,836	17,721	23,256	<i>n.a.</i>
Guatemala (a)—						
Chlorate	76	95	46	55	81	88
Nitrate	56	5	2	56	8	60
Caustic potash	16	16	7	14	11	14

(a) Total imports.

IMPORTS OF POTASH SALTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Mexico (a)—						
Carbonate	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	116	254	267
Chloride	—	2,501	5,845	7,261	8,222	16,384
Caustic potash	180	161	235	280	234	284
Sulphate	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	136	414	1,034
United States—						
Carbonate	1,379	16	—	—	5	197
Caustic potash	160	171	193	239	239	483
Chlorates	90	108	306	310	329	417
Chloride	155,396	131,557	215,590	223,784	227,424	265,477
Cyanide	1,254	748	710	826	702	719
Nitrate	15,131	1,428	2,089	2,114	2,011	2,314
Potassium-sodium nitrate mixtures	11,175	11,811	17,232	17,367	22,672	20,989
Sulphate	31,462	47,878	49,733	47,448	43,251	58,770
Argentina—						
Carbonate	28	63	521	87	354	128
Caustic potash	185	727	1,491	243	170	285
Chlorate	111	657	979	41	562	515
Nitrate	370	504	826	—	—	—
Sulphate	2	—	249	584	535	621
Brazil (a)—						
Caustic potash	83	64	403	1,346	170	120
Nitrate	177	2,055	869	1,345	909	494
Nitrate of potash and soda						
Chloride	48,292	42,016	73,818	61,088	92,781	99,320
Sulphate	3,573	4,451	4,446	3,658	4,968	9,339
Carbonate	269	819	164	1,001	230	404
Chlorate	877	766	335	36	308	3
Chile—						
Caustic potash	111	151	221	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Chlorate	63	79	130	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Chloride	5,031	4,283	1	<i>n.a.</i>	3,661	<i>n.a.</i>
Sulphate	512	9,005	2	<i>n.a.</i>	4,922	<i>n.a.</i>
Colombia—						
Chlorate	248	211	280	326	267	264
Chloride	2,545	14,849	17,662	10,682	10,639	22,067
Nitrate	263	273	326	304	267	283
Sulphate	1,376	3,372	2,923	2,746	2,231	5,789
Other fertilizer salts	700	320	35	390	44	179
Peru—						
Fertilizer salts	223	348	540	2,308	1,480	<i>n.a.</i>
Caustic potash	9	29	54	96	105	<i>n.a.</i>
Other salts	101	158	170	129	144	<i>n.a.</i>
Uruguay—						
Nitrate	571	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	595	914
Caustic potash	372	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	307	338
Venezuela (a)—						
Carbonate	37	35	<i>n.a.</i>	12	27	19
Chlorate	152	118	<i>n.a.</i>	98	45	136
Chloride	353	662	1,710	1,399	1,696	5,027
Nitrate	213	289	557	330	126	51
Sulphate	261	99	866	1,537	3,940	—
Formosa—						
Fertilizer salts	45,605	544	4,478	25,258	23,613	48,867
Japan—						
Kainite, etc.	—	—	—	3,937	—	—
Chloride	309,808	454,252	551,534	837,801	487,622	578,215
Sulphate	201,127	188,874	151,440				134,302	89,433

(a) Total imports.

IMPORTS OF POTASH SALTS (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Lebanon—						
Fertilizer salts	3,100	2,274	2,618	2,655	2,651	2,513
Philippine Republic—						
Caustic potash	15	11	165	114	59	75
Chlorate	206	430	264	608	629	565
Nitrate	37	78	1,803	59	1,482	105
Sulphate	1	150	314	592	1,769	1,064
Thailand (a)—						
Chlorate	<i>n.a.</i>	<i>n.a.</i>	85	188	323	326
Chloride	<i>n.a.</i>	<i>n.a.</i>	30	273	325	116
Nitrate	<i>n.a.</i>	<i>n.a.</i>	394	547	1,052	823
Sulphate	<i>n.a.</i>	<i>n.a.</i>	89	<i>n.a.</i>	148	246
Turkey—						
Carbonate	709	388	794	763	1,621	496
Caustic potash	217	200	173	235	368	275
Chlorates	150	12	94	237	114	105
Nitrate	253	—	134	—	—	—
Sulphate	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	12,098	26	5,413

(a) Total imports.

PYRITES

PRODUCTION OF PYRITES*

(see also Sulphur)

(including Cupreous Pyrites)

Long tons

Producing Country	Estimated Sulphur Content											
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES												
Great Britain ..	10,244	7,010	5,514	4,207	3,597	3,202	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Southern Rhodesia ..	36,087	36,387	21,268	18,674	19,986	58,268	15,900	16,000	9,400	8,200	8,800	25,600
Union of South Africa ..	92,362	225,534	351,651	429,964	388,296	493,184	36,260	86,809	137,882	169,370	159,954	204,841
Canada (c) ..	364,515	614,221	784,332	934,589	1,041,443	1,054,715	166,652	277,821	360,702	422,862	459,907	n.a.
Cyprus (d) ..	754,399	795,350	961,390	1,080,822	1,081,357	1,010,000	364,000	383,000	471,000	528,000	527,000	487,000
India ..	277	—	800	—	n.a.	—	120	—	348	—	n.a.	—
Australia ..	167,007	206,778	228,764	184,488	229,125	229,054	70,500	97,600	107,700	86,800	109,000	109,700
TOTAL ..	1,425,000	1,885,000	2,354,000	2,653,000	2,764,000	2,848,000	—	—	—	—	—	—
OTHER COUNTRIES												
Austria ..	69	—	—	—	—	—	108,000	105,000	126,000	123,000	124,000	105,000
Finland (b) ..	255,094	248,527	298,063	289,440	292,461	251,000	n.a.	n.a.	n.a.	30,000	37,000	n.a.
Bulgaria ..	n.a.	n.a.	n.a.	70,200	88,685	n.a.	n.a.	n.a.	133,240	134,704	138,693	141,200
France (e) ..	293,292	294,611	300,531	298,996	318,308	327,300	132,400	135,263	251,311	253,404	237,166	223,875
Germany (Federal) ..	521,613	557,334	627,518	634,238	596,223	556,553	189,044	212,545	251,311	253,404	237,166	223,875
Germany (East) ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	44,000	46,000	48,000	53,000	53,000	51,000
Greece ..	233,575	206,502	229,126	237,014	230,775	148,000	102,000	90,000	100,000	103,000	101,000	65,000
Italy ..	1,215,068	1,231,188	1,296,208	1,356,040	1,448,167	1,489,809	547,000	563,000	592,000	610,000	652,000	670,000
Norway ..	733,092	782,359	830,450	839,515	830,207	780,286	332,104	343,696	361,775	363,000	360,000	339,000
Poland ..	130,309	150,879	139,000	152,000	207,000	207,000	d 52,000	d 60,000	55,608	60,800	76,000	76,000
Portugal ..	640,852	575,157	660,154	659,198	656,237	588,719	288,384	258,821	297,070	296,639	301,869	270,810

(a) Saleable

(b) Pyrite concentrate only.

(c) Producers shipments of pyrites produced as a by-product in the treatment of copper and copper-zinc ores.

(d) United States Bureau of Mines' estimate.

(e) In addition the sulphur content of mispickel and auriferous pyrites was as follows (long tons): 1953—9,392; 1954—1,296; 1955—6,577; 1956—6,780; 1957—6,993; 1958—7,500.

PRODUCTION OF PYRITES (cont.)

Long tons

Producing Country	Estimated Sulphur Content										
	1953	1954	1955	1956	1957	1958	1955	1956	1957	1958	
OTHER COUNTRIES											
<i>(cont.)</i>											
Roumania ..	n.a.	190,000	179,000	178,000	174,000	c 174,000	n.a.	76,000	71,000	70,000	c 70,000
Spain ..	1,773,363	1,864,227	2,289,598	2,259,365	2,224,584	2,019,036	860,000	904,000	1,090,000	1,413,000	945,000
Sweden ..	382,846	392,894	387,850	485,670	493,714	329,000	189,177	193,562	238,938	244,595	162,000
Yugoslavia (a) ..	163,214	157,580	223,102	251,905	307,663	326,000	73,000	71,000	113,000	138,000	147,000
Algeria ..	29,352	33,000	21,330	5,968	18,500	24,261	12,900	14,500	2,510	7,800	10,700
Morocco ..	2,005	1,535	r 1,000	1,524	6,161	18,159	800	650	600	2,000	6,000
Cuba ..	n.a.	r 105,000	r 128,984	61,039	35,638	36,744	n.a.	n.a.	n.a.	n.a.	n.a.
United States (b) ..	922,647	908,715	1,006,943	1,069,904	1,067,396	974,000	379,545	405,310	431,687	436,012	403,000
Venezuela ..	—	—	—	59,053	15,000	14,000	—	—	14,173	4,000	4,000
Formosa ..	r 23,806	23,868	28,559	29,194	32,746	32,490	9,000	9,100	11,122	12,300	12,200
Japan ..	2,306,251	2,635,554	2,692,929	3,048,576	3,324,390	3,305,546	904,000	1,106,277	1,149,647	1,403,712	1,400,000
Korea (South) ..	765	—	—	—	541	277	n.a.	—	—	n.a.	n.a.
Philippine Republic ..	1,945	5,202	30,296	—	17,566	18,693	680	2,080	—	7,900	8,000
Turkey ..	—	15,135	16,137	22,724	47,767	80,302	—	7,300	10,900	22,700	39,000
TOTAL*	r10100000	r10500000	r11500000	r12100000	12,500,000	11,900,000	—	—	—	—	—
WORLD'S TOTAL*	r115000000	r124000000	r139000000	r148000000	15,300,000	14,700,000	r5,000,000	r5,500,000	r6,200,000	r6,500,000	6,500,000

*Excluding pyrites known to have been produced in Czechoslovakia, U.S.S.R., Brazil, China and North Korea.

- (a) Concentrates.
- (b) Including by-product pyrites.
- (c) United States Bureau of Mines' estimate.

EXPORTS OF PYRITES
(*Domestic Produce*)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Southern Rhodesia—						
Iron pyrites	33,586	26,774	3,706	12,844	19,662	33,824
Canada—						
Pyrites (<i>S content</i>) ..	115,721	168,400	n.a.	n.a.	n.a.	n.a.
Cyprus—						
Iron pyrites	565,183	687,954	753,640	821,727	762,501	819,835
Cupreous pyrites	129,915	125,370	139,230	171,032	226,334	228,821
Australia (<i>a</i>)	—	—	—	20	—	—
OTHER COUNTRIES						
Austria	8,562	71,833	35,190	27,824	26,899	15,691
Belgium-Luxemburg						
E.U.	—	—	—	—	888	4,786
Finland—						
Concentrate	9,174	72,069	75,182	41,538	24,066	3,394
France	1,799	147	108	—	—	—
Germany (Federal)—						
Pyrites	12,578	16,509	30,747	6,377	10,925	6,250
Greece	160,447	137,827	121,343	203,114	183,884	79,088
Italy—						
Iron pyrites	59,290	113,192	93,906	100,293	99,923	153,837
Cupreous pyrites	—	1,947	3,664	1,654	1,699	1,959
Norway—						
Iron pyrites	129,834	162,142	145,118	} 460,362	} 442,573	} 388,590
Cupreous pyrites	193,066	252,856	320,071			
Portugal—						
Iron pyrites	298,198	375,676	441,928	401,042	292,332	351,749
Cupreous pyrites	1,791	2,255	2,297	1,716	3,220	1,910
Spain—						
Iron pyrites	1,187,297	1,539,996	1,504,992	1,484,769	1,384,942	1,061,651
Cupreous pyrites	40,836	18,551	21,510	30,466	38,128	58,431
Sweden	11,810	10,283	15,532	54,454	99,541	67,683
Yugoslavia	69,559	128,495	212,044	178,876	189,934	274,909
Algeria	236	—	—	591	—	—
Turkey	n.a.	n.a.	n.a.	115,472	33,921	50,546

(a) Years ended June 30 of that stated.

IMPORTS OF PYRITES
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom	385,133	599,593	499,197	384,652	356,830	245,147
Northern Rhodesia— Iron pyrites	5,362	(a) —	(a) —	(a) —	(a) —	(a) —
Irish Republic	40,137	47,474	37,977	44,371	18,314	29,445
OTHER COUNTRIES						
Austria	49,626	131,928	94,941	88,548	95,503	64,719
Belgium-Luxemburg E.U.	252,763	352,606	411,289	430,990	275,944	262,552
Czechoslovakia	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	85,000	102,000	66,000
Denmark	129,551	119,967	129,562	131,685	131,523	133,731
France	324,432	553,870	545,908	488,797	436,118	493,633
Germany (Federal)— Germany (East)	854,832	1,038,417	1,126,257	1,307,094	1,478,298	1,306,900
Hungary	251,102	160,830	175,964	(b) 77,568	(b) 159,501	(b) 80,018
Hungary	78,789	92,393	101,558	85,359	133,571	87,658
Italy— Iron pyrites	113,188	135,121	206,926	285,435	318,466	213,444
Cupreous pyrites	1,383	—	—	—	—	—
Netherlands	331,495	482,263	474,002	598,434	360,885	328,119
Sweden	65,619	78,593	121,113	115,895	109,118	108,343
Algeria	8,777	6,671	16,595	19,436	14,299	14,343
Morocco	930	23,793	11,332	3,328	2,273	1,470
Tunisia	7,809	15,119	9,730	3,740	7,643	9,063
United States	190,474	279,569	358,165	365,816	353,032	343,060
Japan	566	—	—	—	1	—

(a) Federation of Rhodesia and Nyasaland.

(b) S content.

RARE EARTH AND THORIUM MINERALS

PRODUCTION OF RARE EARTH AND THORIUM MINERALS

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Nigeria—						
Monazite	—	—	—	77	93	57
Thorite (c)	—	—	<i>n.a.</i>	727	1,054	53
Ceylon—						
Monazite	50	46	60	52	134	111
Malaya (a)—						
Monazite	186	349	249	631	490	428
Australia (b)—						
High-grade concentrates	184	71	149	93	132	423
Low-grade concentrates	69	106	44	146	—	—
OTHER COUNTRIES						
Belgian Congo—						
Monazite	11	4	4	1	—	—
Bastnaesite	361	369	319	350	236	3
Egypt—						
Monazite	6	8	1	6	<i>n.a.</i>	<i>n.a.</i>
Madagascar—						
Monazite	—	—	64	150	295	—
Bastnaesite	9	6	10	1	1	—
United States (d)—						
Monazite, bastnaesite and thorite	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,804
Korea (South)—						
Monazite	<i>n.a.</i>	<i>n.a.</i>	490	181	349	317

Monazite is also produced in the Union of South Africa, India and Brazil but for security reasons figures are no longer published.

(a) Exports.

(b) Monazite content.

(c) Between 5% and 6% ThO₂.

(d) Shipments.

EXPORTS OF RARE EARTH MINERALS, ETC.
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Nigeria—						
Monazite	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	77	93	57
Thorite (a)	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	727	1,054	53
Ceylon—						
Monazite	<i>n.a.</i>	<i>n.a.</i>	30	—	—	—
Malaya—						
Monazite	186	349	249	631	490	428
Australia—						
Concentrates	180	76	107	56	145	—
OTHER COUNTRIES						
France—						
Monazite	—	1	—	—	—	—
Salts of rare earth minerals	39	55	464	95	110	210
Germany (Federal)—						
Rare earth minerals	39	—	—	—	—	<i>n.a.</i>
Belgian Congo—						
Monazite	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	3	—	—
Bastnaesite	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	80	185	18
Madagascar—						
Monazite	—	—	49	146	—	<i>n.a.</i>
Bastnaesite	9	6	12	2	1	<i>n.a.</i>
United States—						
Cerium ores, metals, etc.	37	13	9	11	6	13
Brazil—						
Cerium chloride	—	778	1,663	1,014	985	196

(a) Between 5% and 6% ThO₂.

IMPORTS OF RARE EARTH MINERALS, ETC.
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Rare earth compounds	1	47	70	51	211	105
Canada—						
Thorium and cerium salts	(£11,455)	(£7,846)	(£10,053)	(£12,993)	(£27,020)	(£8,022)
OTHER COUNTRIES						
France—						
Monazite	24	53	171	205	437	397
Salts of rare earth minerals	52	106	1,706	546	499	17
Germany (Federal)—						
Rare earth minerals	311	272	475	336	73	<i>n.a.</i>
Salts of rare earth minerals	128	240	301	315	580	(a) 384
United States—						
Cerium ores	<i>n.a.</i>	1	9	—	—	—

Rare earth minerals are also imported into the United Kingdom, Canada and the United States but statistics of these imports are not recorded in the trade returns of these countries.

(a) Including uranium salts.

SALT
PRODUCTION OF SALT

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Rock-salt	42,846	43,184	69,770	99,236	88,133	116,482
Brine-salt	940,260	1,019,200	1,073,422	1,049,854	1,043,779	1,085,547
Salt in brine (a) ..	3,074,156	3,414,005	3,655,377	3,835,363	3,852,692	3,732,899
Malta—						
Sea-salt	3,140	2,770	970	1,320	1,146	1,435
Ghana (b)	22,000	22,000	22,000	22,000	22,000	22,000
Mauritius—						
Sea-salt	2,362	3,050	3,400	3,400	3,700	3,800
Nigeria (b)	190	220	250	300	400	<i>n.a.</i>
South West Africa—						
Rock-salt	4,621	4,825	6,254	4,474	6,214	6,293
Other salt	35,948	41,779	52,257	73,441	58,957	80,000
Kenya	20,886	18,795	25,376	21,885	22,602	18,721
Tanganyika	19,785	21,394	23,521	27,870	25,792	35,232
Uganda	7,517	7,190	9,013	8,853	9,541	9,919
Union of South Africa ..	125,545	153,737	137,784	168,972	143,521	215,132
Canada—						
Rock-salt	63,423	72,011	245,629	570,224	706,237	696,512
Other salt (c)	793,629	788,129	873,898	857,052	875,727	1,411,200
British West Indies—						
Sea-salt—						
Bahamas (exports) ..	121,071	116,500	40,786	27,893	113,429	105,750
Leeward Islands (exports) ..	5,298	4,164	4,557	991	1,368	<i>n.a.</i>
Turks and Caicos Islands	9,863	9,589	6,279	13,742	15,872	20,000
Aden	240,423	210,000	264,340	248,000	198,000	155,000
Ceylon	57,199	49,960	36,325	107,843	84,742	17,883
Cyprus	1,960	4,688	—	4,487	6,336	5,048
India—						
Rock-salt	5,772	4,007	5,140	3,428	4,335	5,115
Other salt	3,159,265	2,713,269	2,882,000	3,171,000	3,608,000	4,160,000
Pakistan—						
Rock-salt	146,175	<i>r</i> 146,968	<i>r</i> 139,786	<i>r</i> 160,916	155,669	177,601
Sea-salt	(d) 176,000	250,538	258,876	227,486	296,643	193,837
Australia (b)	310,000	380,000	370,000	409,000	432,000	430,000
New Zealand	—	1,500	3,000	11,400	7,650	20,300
Total	9,390,000	<i>r</i> 9,500,000	10,200,000	11,100,000	11,800,000	12,700,000
OTHER COUNTRIES						
Austria—						
Rock-salt	1,106	1,258	797	<i>r</i> 608	636	738
Evaporated salt	86,961	95,845	105,155	<i>r</i> 107,131	114,632	<i>n.a.</i>
Bulgaria	86,610	81,689	32,479	57,084	(e) 59,000	(e) 59,000
Czechoslovakia	179,125	133,852	130,899	151,056	158,167	(e) 157,000
France—						
Rock-salt (incl. refined)	424,911	452,592	459,463	<i>r</i> 479,344	553,900	} 2,653,000
Salt in brine	1,959,901	1,972,263	2,073,783	<i>r</i> 2,323,614	2,160,000	
Sea-salt	538,452	488,268	702,835	541,132	554,196	

(a) Used for purposes other than salt-making.

(b) Estimated.

(c) Including salt in brine.

(d) Year ended March 31 following that stated.

(e) United States Bureau of Mines' estimate.

PRODUCTION OF SALT (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Rock-salt, etc.	2,535,912	2,804,744	3,001,283	3,207,000	3,211,000	3,183,000
Brine-salt	291,881	305,657	329,485	318,000	319,000	333,000
Germany (East)	(a) 1,476,300	(a) 1,476,300	1,495,992	1,663,307	1,728,000	a 1,728,000
Greece—						
Sea-salt	77,496	77,452	70,992	91,531	88,000	94,000
Italy—						
Rock salt and brine-salt	878,229	1,012,470	986,038	993,094	1,062,619	1,018,597
Sea-salt	713,121	711,051	828,384	816,499	} 436,417	} 330,000
Spring-salt	17,769	17,823	18,249	28,872		
Netherlands (brine-salt)	452,398	504,950	576,000	616,048	706,197	782,650
Poland—						
Rock-salt	362,500	375,700	378,800	388,800	372,000	386,000
Brine-salt	188,200	182,200	205,000	214,400	214,000	225,000
Portugal—						
Rock-salt	48	52	47	17	<i>n.a.</i>	<i>n.a.</i>
Sea-salt (c)	2,978	2,248	1,243	3,533	2,627	3,131
Roumania	(a) 393,700	474,000	557,000	830,000	836,000	(a) 837,000
Spain—						
Rock-salt	387,588	399,295	443,882	487,418	504,735	551,239
Sea-salt	976,625	873,205	626,956	751,616	804,596	847,198
Other salt	26,266	26,089	24,341	36,660	7,133	16,414
Switzerland	108,522	114,647	120,515	117,326	129,000	12,300
Yugoslavia	121,469	135,821	133,233	140,000	146,000	(a) 154,000
Algeria—						
Brine-salt and sea-salt . .	58,900	97,100	100,618	95,012	115,000	131,000
Angola	56,896	54,295	56,934	80,173	51,495	68,052
Belgian Congo (rock-salt)	797	829	451	502	271	477
Canary Islands (sea-salt)	16,850	17,784	19,895	19,000	14,634	14,649
Cape Verde Islands	10,460	20,827	21,479	21,626	19,393	7,697
Egypt	381,449	443,351	395,355	522,000	508,000	(a) 400,000
Ethiopia—						
Rock-salt	14,474	13,779	14,763	13,000	(a) 12,000	(a) 12,000
Sea-salt	158,367	177,386	178,212	130,203	140,000	<i>n.a.</i>
French Somaliland	60,000	58,200	17,930	6,568	2,300	—
Libya (sea-salt)	12,000	15,000	14,602	15,000	—	12,000
Morocco (Southern)	40,150	31,580	39,511	27,531	} 51,144	} 60,026
Morocco (Northern)—						
Sea-salt	(b) 213	(b) 250	(b) 250	(b) 300		
Mozambique—						
Rock-salt	108	98	137	71	57	<i>n.a.</i>
Sea-salt	10,617	13,168	11,090	12,215	16,670	<i>n.a.</i>
Sudan	53,993	54,759	23,059	54,286	53,436	53,000
Tunisia (sea-salt)	137,210	162,400	130,000	133,000	148,000	157,568
Costa Rica	3,830	4,035	2,009	(b) 5,000	(b) 4,700	(b) 5,000
Cuba (sea-salt)	50,208	53,094	62,201	63,383	67,059	72,609
Dominican Republic—						
Rock-salt	3,735	42,178	17,646	32,618	42,653	43,233
Sea-salt	13,450	14,239	316	499	15,246	15,520
Guatemala (sea-salt)	11,433	<i>n.a.</i>	<i>n.a.</i>	16,253	16,505	15,395
Haiti (b)	34,400	29,900	29,900	5,000	10,000	10,000
Honduras	(b) 10,200	(b) 10,000	(b) 10,000	13,409	12,000	(b) 10,000
Mexico (b)	220,300	220,500	221,000	237,000	237,000	(b) 237,000
Netherlands West Indies	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,130	500	<i>n.a.</i>
Nicaragua (sea-salt)	13,751	14,318	9,445	10,232	8,961	9,883
Panama (sea-salt)	3,867	6,243	9,235	6,862	8,363	5,524
Porto Rico (sea-salt) (b) . .	10,000	10,000	10,000	10,000	10,000	10,000
Salvador	28,622	37,192	47,738	49,108	49,109	<i>n.a.</i>

(a) United States Bureau of Mines' estimate.

(b) Estimated.

(c) Exports.

PRODUCTION OF SALT (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
United States (e)—						
Rock-salt	3,998,799	4,307,775	4,726,000	5,020,444	4,769,273	4,828,000
Salt in brine	11,257,181	10,815,721	11,986,000	13,004,262	12,963,164	11,378,000
Evaporated salt	3,305,629	r 3,323,000	r 3,550,000	r 3,587,000	3,557,000	3,358,000
Argentina	(a) 446,000	(a) 490,000	(a) 500,000	(a) 500,000	323,082	n.a.
Bolivia	2,000	2,000	2,000	2,000	n.a.	n.a.
Brazil (sea-salt)	749,279	664,658	571,645	734,472	785,203	939,923
Chile	36,137	44,398	50,777	27,301	33,000	n.a.
Colombia—						
Rock-salt	145,808	169,697	172,368	191,424	216,120	193,760
Sea-salt	47,492	35,664	39,994	36,591	94,229	69,713
Brine-salt	n.a.	105,574	108,585	114,026	196,874	143,410
Ecuador (sea-salt)	27,560	157,000	34,346	25,588	24,037	21,000
Peru—						
Rock-salt	9,053	9,360	9,416	9,317	9,249	8,649
Sea-salt	64,927	70,120	75,738	76,639	96,969	85,996
Brine-salt	4,682	3,104	2,992	7,634	6,042	9,103
Venezuela (sea-salt)	71,440	82,097	61,165	36,995	84,324	(a) 86,817
Afghanistan	26,800	(a) 30,000	18,700	(a) 20,000	(a) 60,000	(a) 60,000
Burma—						
Sea-salt	60,934	94,626	103,549	85,198	113,668	109,066
Brine-salt	1,484	1,317	1,180	898	840	793
China (b)	4,900,000	5,400,000	r 6,100,000	r 6,500,000	7,870,000	10,300,000
Formosa (sea-salt)	168,742	r 382,769	r 442,615	323,316	380,979	436,908
Cambodia				(a) 125,000	(a) 125,000	(a) 125,000
Laos	72,910	143,833	n.a.	(a) 2,000	(a) 2,000	n.a.
Vietnam (South)				79,722	86,590	106,144
Indonesia	256,009	128,265	45,398	107,645	341,706	230,898
Iran (b) (c)	(a) 215,500	(a) 246,100	262,783	275,578	295,262	(a) 295,500
Iraq (c)	20,007	30,300	(b) 19,156	(a b) 20,000	(a b) 20,000	(a b) 20,000
Israel	(a) 21,300	(a) 20,000	(a) 10,000	(a) 25,000	(a) 27,000	33,160
Japan—						
Government-licensed plants (d)	r 453,735	r 423,110	r 552,978	r 616,932	818,915	1,041,046
Jordan (brine-salt)	6,945	10,341	7,583	9,981	9,946	10,725
Korea (South)	189,643	177,284	348,329	193,598	363,358	452,881
Lebanon (sea-salt) (a)	20,000	8,000	10,000	15,000	12,000	15,000
Philippine Republic—						
Sea-salt	46,984	47,313	78,733	62,595	114,285	137,432
Portuguese India	15,720	13,266	6,069	5,507	9,361	4,486
Syria	13,632	14,511	13,738	32,256	33,246	n.a.
Thailand (a)	280,000	230,000	250,000	250,000	220,000	340,000
Turkey—						
Rock-salt	26,752	29,611	27,996	28,095	8,996	35,131
Lake and spring salt	150,742	197,590	146,724	112,995		101,232
Sea-salt	165,347	246,102	192,277	232,748	440,787	344,220
TOTAL*	46,000,000	48,000,000	50,000,000	r53,000,000	55,000,000	57,000,000
WORLD'S TOTAL*	55,000,000	58,000,000	60,000,000	r64,000,000	67,000,000	70,000,000

*Salt is known to have been produced in many countries for which statistics are not available, e.g. Belgium and the U.S.S.R.; an allowance has been made for these and other countries where information is not available.

(a) Estimated.

(b) United States Bureau of Mines.

(c) Years ended March 31 of year following that stated.

(d) In addition there is a production of salt in other plants which in 1948 amounted to 47,012 tons.

(e) Sales.

EXPORTS OF SALT
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Rock-salt	8,625	5,507	5,017	} 265,155	271,987	287,577
Other salt	239,783	248,823	271,329			
Ghana	261	n.a.	n.a.	n.a.	n.a.	n.a.
Kenya	3	1	1,332	1,230	586	64
Southern Rhodesia	495	n.a.	n.a.	n.a.	n.a.	n.a.
South West Africa—						
Rock salt	1,567	1,786	1,679	1,709	1,965	1,596
Coarse salt	9,778	19,054	30,820	38,678	36,524	41,091
Other salt	171	138	263	555	583	577
Tanganyika	5,633	6,846	8,184	9,280	8,442	8,676
Uganda	2,092	2,174	2,077	2,241	2,309	1,966
Union of South Africa	17,279	14,000	8,222	7,738	9,041	11,458
Canada	2,101	1,070	130,778	298,156	408,828	363,131
British West Indies—						
Bahamas (b)	121,071	116,500	40,786	27,893	113,429	105,750
Leeward Islands	5,298	4,164	4,557	991	1,368	n.a.
Turks and Caicos Islands	9,155	11,687	13,817	15,781	21,028	18,156
Aden	165,638	193,759	243,766	217,000	327,220	147,050
Ceylon	—	60	—	48	—	—
Hong Kong (including re-exports)	2,345	1,731	1,898	717	297	194
India—						
Trade by sea	262,584	194,596	199,589	256,213	} 375,382	252,996
Trade by land	(c) 13,405	(c) 5,761	(c) 2,965	1,312		
Malaya (including re-exports)	8,214	8,882	7,209	5,384	7,675	12,472
Pakistan	(c) 404	(c) —	(c) —	93,380	5,663	12,634
Australia (a)—						
Rock-salt	2	—	—	—	—	—
Refined salt	6,360	13,347	765	132	909	113
Other salt	12,184	5,092	20,477	23,581	18,891	19,091
OTHER COUNTRIES						
Austria	68	149	44	—	5,441	1,274
Belgium-Luxemburg						
E.U.—						
Common salt	5	44	61	637	148	90
Refined salt	85	20	35	17	39	127
Denmark—						
Refined salt, etc.	70	391	620	381	234	123
France	50,947	59,359	92,184	83,579	72,490	87,035
Germany (Federal)	626,607	711,548	749,540	846,951	726,793	697,342
Italy—						
Rock-salt and sea-salt	115,411	106,458	130,691	119,226	99,020	63,197
Netherlands—						
Rock-salt	620	305	69	475	3,398	5,294
Refined salt	259,545	280,812	324,933	365,598	437,328	450,019
Norway—						
Common salt	3,642	4,613	3,646	9,476	6,176	5,132
Refined salt	550	290	144	558	901	412
Poland	138,600	140,200	136,900	115,000	93,000	102,000

(a) Years ended June 30 of that stated.

(b) Converted from bushels at the rate of 28 bushels=1 long ton.

(c) Years ending March 31 following that stated.

EXPORTS OF SALT (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Portugal	2,978	2,248	1,243	3,533	2,627	3,131
Spain	326,992	328,258	398,892	325,795	318,889	354,925
Sweden	776	1,518	1,709	826	269	40
U.S.S.R.	<i>n.a.</i>	<i>n.a.</i>	83,300	105,600	105,600	92,100
Algeria	28,755	42,001	47,788	47,024	32,152	36,898
Angola	14,161	19,613	19,991	23,723	33,134	22,701
Cape Verde Islands	22,188	18,316	16,825	17,858	22,053	20,224
Egypt—						
Common salt	272,094	<i>r</i> 325,753	223,473	216,203	177,530	327,886
Ethiopia (b)	59,938	93,847	49,772	68,215	94,256	46,325
French Somaliland	16,209	19,661	28,034	6,752	49,057	—
Madagascar	1,562	1,642	1,625	2,339	1,165	2,163
Mozambique	1,098	754	1,303	2,337	7,130	4,756
Morocco	890	880	1,551	944	<i>n.a.</i>	51
Sudan	12,829	3,726	24,651	21,272	44,569	22,520
Tunisia	50,200	73,124	125,672	74,319	122,895	128,329
Cuba	272	109	258	262	272	<i>n.a.</i>
Dominican Republic	1,649	18,135	14,833	32,054	32,749	44,370
Honduras	77	268	174	54	621	2,002
Mexico	10,804	1,025	763	1,554	59,800	120,265
Netherlands West Indies	341	<i>n.a.</i>	125	199	<i>n.a.</i>	<i>n.a.</i>
Salvador	1,762	1,036	1,084	1,010	419	582
United States	222,786	343,981	363,509	300,286	348,846	324,115
Argentina	9,636	23,443	23,624	26,648	43,221	26,429
Brazil	9	—	2,953	—	—	—
Formosa	171,350	214,004	<i>r</i> 232,932	193,924	197,958	285,996
Indo-China	55,726	51,080	(c)	(c)	(c)	(c)
Iran (a)	10,556	17,876	<i>n.a.</i>	21,997	1,675	<i>n.a.</i>
Japan	781	14	—	—	1	98
Portuguese India	8,555	6,147	—	<i>n.a.</i>	468	5,229
Thailand	165,579	188,495	171,096	260,910	219,647	243,272
Turkey	—	—	16,150	54,920	27,922	—
Vietnam	(d)	(d)	52,131	34,842	69,006	29,122

(a) Years ended March 20 of year following that stated.

(b) Years ended September 10 of that stated.

(c) See under Vietnam.

(d) See under Indo-China.

IMPORTS OF SALT
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Salt for use of fisheries ..	28,431	31,453	45,103	47,750	26,539	49,698
Other salt	1,597	669	2,912	3,721	n.a.	n.a.
Channel Islands	591	605	661	643	667	n.a.
Malta—						
Refined salt	(£1,921)	(£3,355)	(£2,777)	(£3,160)	(£4,434)	(£3,869)
Other salt	237	920	848	836	667	412
Gambia	704	811	451	385	429	810
Ghana—						
Refined salt	152	6,342	9,138	10,099	13,683	17,465
Other salt	4,842					
Kenya	2,360	2,043	2,173	5,407	332	4,194
Mauritius	1,743	614	56	4	8	10
Nigeria	85,917	91,423	98,173	102,285	92,243	103,834
Northern Rhodesia	6,506	(d)	(d)	(d)	(d)	(d)
Nyasaland	4,224	(d)	(d)	(d)	(d)	(d)
Seychelles	128	262	579	410	200	578
Sierra Leone ..	5,433	5,014	6,792	6,432	5,961	7,225
Somaliland Protectorate	45	63	20	34	—	81
South West Africa ..	334	266	(a)	(a)	(a)	(a)
Southern Rhodesia ..	15,453	(c) 30,710	(c) 28,662	(c) 29,547	(c) 32,034	(c) 31,211
Tanganyika	3,396	2,484	2,140	342	643	957
Uganda	10,567	7,758	4,366	10,241	11,374	13,442
Union of South Africa—						
Rock-salt	414	744	(b) —	(b) —	(b) 4	(b) —
Common salt and refined salt	6,619	17,544	(b) 6,639	(b) 2,261	(b) 2,828	(b) 5,110
Zanzibar	2,236	881	1,074	1,288	1,900	1,156
Canada—						
Salt for use of fisheries	53,680	52,451	44,305	52,666	71,587	50,872
Refined salt	21	21	35	40	86	37
Other salt	220,703	278,253	281,759	232,227	256,435	253,454
British Honduras ..	427	432	442	441	460	485
British West Indies—						
Barbados	1,963	2,141	2,677	2,096	2,373	2,085
Bermuda	127	150	144	160	159	n.a.
Dominica	373	341	38	287	n.a.	390
Grenada	735	583	512	747	879	n.a.
Jamaica—						
Rock-salt	10	247	133	41	29	17
Other salt	9,754	9,683	11,293	12,203	11,680	12,736
Leeward Islands ..	207	224	248	322	152	n.a.
St. Lucia—						
Common salt	563	448	481	495	756	426
Refined salt	36	41	28	49	62	63
St. Vincent—						
Unrefined salt	288	364	221	205	181	329
Refined salt	168	50	149	324	289	318
Trinidad and Tobago—						
Rock and coarse salt ..	1,594	600	775	519	626	803
Refined salt	4,373	4,150	5,231	3,891	12,188	5,056
British Guiana—						
Rock and coarse salt ..	143	379	51	250	390	120
Refined salt, etc.	2,073	1,905	2,136	2,027	2,301	2,172
Aden	26	33	95	40	42	—
Brunei	176	198	246	230	304	292

(a) Included with Union of South Africa.

(b) Includes South West Africa.

(c) Federation of Rhodesia and Nyasaland.

(d) See under Southern Rhodesia.

IMPORTS OF SALT (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES (cont.)						
Ceylon—						
Refined salt	6	4	5	3	5	7
Other salt	18	41	40	30	12	7
Cyprus	77	64	117	206	207	172
Hong Kong (a)	31,842	30,022	32,599	26,586	33,287	24,720
India	11	431	28	20	87	17
Malaya (a)—						
Refined salt	152	161	240	195	211	243
Other salt	67,831	73,824	78,585	59,368	76,173	90,209
North Borneo	2,329	2,312	2,687	2,507	2,480	4,128
Pakistan (d)	(c) 13,405	(c) 5,761	(c) 2,965	1,312	1,750	2,860
Sarawak	3,695	4,152	3,880	3,966	4,260	4,986
Australia (b)—						
Rock-salt	3,705	3,433	2,755	2,261	2,504	3,147
Refined salt	402	3,087	2,440	2,250	1,400	1,783
Other salt	1,940	1,811	3,320	2,915	1,746	5,018
Fiji	571	1,417	1,330	2,277	927	1,441
New Guinea (b)	341	357	711	649	812	854
New Hebrides	158	119	157	91	90	144
New Zealand	36,276	51,267	54,905	58,197	47,803	48,254
Papua (b)	112	180	239	216	368	769
Solomon Islands (c)	14	28	24	22	29	30
Western Samoa	101	159	179	276	259	231
Irish Republic—						
Refined salt	1,786	1,205	1,939	2,034	2,176	3,507
Other salt	28,695	30,922	27,306	26,462	30,441	29,917
OTHER COUNTRIES						
Austria—						
Common salt	59	46	17	55	34	21
Belgium-Luxemburg						
E.U.—						
Common salt	377,874	420,751	448,150	456,207	460,556	429,686
Refined salt	77,264	76,731	78,576	91,246	65,689	78,010
Denmark—						
Rock-salt	1,237	1,208	1,169	1,018	322	60
Refined salt	112,730	111,838	121,124	124,996	128,542	135,632
Faroe Islands	23,872	20,311	11,218	11,626	19,340	n.a.
Finland—						
Common salt	92,201	124,539	139,808	135,828	152,656	161,429
France	20,257	35,402	50,057	59,814	46,847	48,356
Germany (Federal)	45	127	196	384	569	923
Iceland—						
Common salt	51,350	54,993	55,108	69,058	52,585	45,333
Refined salt	148	131	184	110	95	156
Italy—						
Rock and sea-salt	2,219	2,020	1,843	830	40	29,817
Netherlands—						
Rock-salt	53,887	60,355	58,552	69,820	45,055	42,911
Sea-salt, etc.	5,636	6,746	5,390	4,548	1,525	7,474
Refined salt	13	19	21	29	35	33
Norway—						
Common salt	188,704	189,549	229,687	265,670	234,596	202,460
Refined salt	26,780	32,950	33,345	34,896	34,571	34,581
Portugal	4	91	100	901	70,756	151
Sweden	283,057	311,223	330,192	406,307	409,549	444,443
Switzerland	306	452	492	443	610	736

(a) Total imports.

(b) Years ended June 30 of that stated.

(c) Years ended March 31 following that stated.

(d) Exports from India to Pakistan by land.

IMPORTS OF SALT (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Yugoslavia	—	—	29,513	83,379	75,353	48,159
Algeria	154	153	171	155	231	219
Belgian Congo	34,763	38,376	39,555	49,686	38,146	46,890
Cameroon (French)	6,118	11,134	10,334	10,813	12,313	11,071
Canary Islands	2,176	4,317	3,140	646	943	369
Ceuta	3,416	4,310	5,073	5,364	2,078	752
Egypt	44	178	130	69	3	9
Ethiopia (b)	35,265	5,466	1,762	2,524	824	1,787
French Equatorial Africa	8,220	6,127	7,647	8,112	8,144	10,721
French Togoland	3,439	5,406	4,300	6,414	6,329	11,494
French West Africa	9,773	13,779	18,700	15,747	11,700	14,438
Liberia	1,790	1,777	1,701	1,488	2,113	266
Madagascar	9	1,826	804	239	1,990	151
Melilla	522	541	235	649	589	979
Morocco	11,028	10,103	7,042	11,528	n.a.	2,296
Mozambique	4,150	2,301	4,040	4,190	9,626	6,956
Reunion	1,029	1,738	1,447	1,670	1,127	1,496
S. Tome and Principe	407	431	512	539	n.a.	n.a.
Sudan	3,546	338	88	66	83	28
Costa Rica (a)	1,139	313	138	176	143	142
Cuba (a)	9,049	9,472	9,397	8,145	6,848	
French West Indies—						
Guadeloupe	1,780	1,630	1,783	1,686	1,242	596
Martinique	2,358	1,773	1,265	3,174	1,538	2,040
Greenland	n.a.	7,045	13,990	17,738	12,205	n.a.
Guatemala (a)	69	63	78	69	42	82
Honduras	1,907	820	866	1,154	790	934
Mexico (a)	585	1,085	1,013	1,431	1,222	1,434
Netherlands West Indies	474	396	464	604	628	550
Nicaragua (a)	834	535	937	648	466	421
St. Pierre and Miquelon	5	2,447	1,090	850	2,129	604
Salvador	70	218	200	64	654	2,004
United States	122,597	143,545	165,762	328,760	584,062	545,574
Bolivia	480	212	218	245	4	5
Brazil (a)	11	34	17	24	38	19
Colombia	14	39	107	3	8	31
French Guiana	176	291	243	266	281	224
Peru	15	38	1	54	1	n.a.
Surinam	1,003	950	905	1,037	928	878
Uruguay	50,940	30,364	55,953	31,013	54,614	31,139
Burma (a)	366	347	381	303	617	325
Indo-China	690	866	(e)	(e)	(e)	(e)
Indonesia	104	28	23	122,121	113,042	6,288
Iran (c)—						
Common salt	5	141	n.a.	523	63	n.a.
Refined salt	2	—	n.a.	10	30	n.a.
Iraq	—	55	102	50	32	n.a.
Japan	1,362,278	1,715,993	1,993,037	2,267,414	2,053,208	1,674,643
Korea (d)	9,161	—	—	—	—	—
Laos	(f)	(f)	2,415	1,329	n.a.	n.a.
Lebanon	2,158	6,246	10,157	6,079	6,429	6,270
Syria	8	15	n.a.	n.a.	n.a.	n.a.
Philippine Republic—						
Crude	19	428	n.a.	5,113	6,348	7,259
Refined	662	1,236	n.a.	1,973	1,012	485
French Polynesia	406	n.a.	431	255	291	n.a.
New Caledonia	423	455	434	306	464	449

(a) Total imports.

(b) Years ended September 10 of that stated.

(c) Years ended March 20 of year following that stated.

(d) "Civilian Relief in Korea" supplies.

(e) See under Laos.

(f) See under Indo-China.

SELENIUM
PRODUCTION OF SELENIUM

Lb. avdp.

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Northern Rhodesia (a) ..	29,410	r 14,352	17,160	32,055	24,206	24,805
Canada	262,346	323,529	427,109	330,389	321,392	403,264
Australia	3,791	3,442	2,455	2,581	n.a.	n.a.
OTHER COUNTRIES						
Belgium (b)	61,729	65,036	61,068	81,571	24,471	48,900
Finland	7,225	5,567	7,580	8,370	9,220	13,051
Sweden	115,884	166,235	139,841	168,532	143,054	84,135
Mexico	2,798	14,703	132,758	201,886	175,480	107,580
United States (c) (d) ..	923,887	713,244	699,296	928,400	(e)1,077,400	(e) 727,400
Peru	—	4,057	7,425	3,944	6,951	8,419
Japan	65,572	92,345	127,055	162,917	154,337	182,410
WORLD'S TOTAL	1,472,600	1,402,500	1,621,700	r 1,920,700	1,940,000	1,600,000

(a) Contained in copper slimes exported for treatment.

(b) Exports.

(c) Including selenium content of compounds.

(d) In addition secondary selenium recovered was as follows: 1953—97,498 lb.; 1954—126,532 lb.; 1955—152,317 lb.; 1956—188,700 lb.; 1957—n.a.; 1958—n.a.

(e) Including secondary.

EXPORTS OF SELENIUM

(Domestic Produce)

Lb. avdp.

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Northern Rhodesia (a) ..	29,410	14,354	17,160	32,055	24,206	24,805
Canada (b)	253,620	344,292	334,215	409,729	228,051	250,351
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.	61,729	65,036	61,068	81,571	24,471	48,900
Germany (Federal) ..	19,621	23,149	14,771	32,628	49,384	63,300
Sweden	110,231	154,324	134,482	138,891	99,208	117,000
Mexico	2,798	14,614	132,758	201,866	175,267	103,562
Peru	—	3,677	6,726	4,839	5,284	9,332
Japan	n.a.	84,700	n.a.	64,351	66,084	108,410

(a) Contained in copper slimes exported for treatment.

(b) Including salts.

IMPORTS OF SELENIUM

(Less Re-exports)

Lb. avdp.

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	213,128	190,612	179,088	193,150	141,864	122,987
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.	2,205	220	2,205	7,496	4,409	2,400
France (b)	44,754	36,156	45,415	68,784	42,108	50,700
Germany (Federal) ..	88,185	155,646	137,789	120,152	107,806	141,800
Italy	<i>n.a.</i>	7,994	7,496	12,846	13,889	16,500
Sweden	—	—	2,205	41,881	<i>n.a.</i>	<i>n.a.</i>
United States (a) ..	102,200	209,596	191,928	234,969	172,678	204,311
Brazil (total imports) ..	5,739	3,071	7,198	4,273	5,062	4,830
Peru	117	88	90	22	183	<i>n.a.</i>

(a) Including salts.

(b) Including tellurium.

SILLIMANITE, Etc.
PRODUCTION OF SILLIMANITE, ETC.

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Bechuanaland Protectorate—						
Kyanite	1,750	1,834	750	876	107	—
Kenya—						
Kyanite	67	4,018	2,706	—	—	536
Mullite	5,367					
Nyasaland—						
Kyanite	1,208	1,450	—	—	—	—
South West Africa—						
Kyanite and sillimanite	2,426	125	214	1,961	3,473	2,665
Tanganyika (a)—						
Kyanite	20	—	—	—	—	—
Union of South Africa—						
Andalusite	10,511	16,227	17,285	27,004	15,892	13,024
Sillimanite .. ..							28,313	17,779
India—						
Kyanite	15,374	42,330	11,741	20,135	23,504	25,615
Sillimanite	5,491	3,066	2,423	4,637	7,417	13,845
Australia—						
Sillimanite and andalusite (b)	3,557	2,337	(d) 2,679	(d) 2,181	(d) 2,302	(d) 1,696
OTHER COUNTRIES						
United States—						
Kyanite (c)	35,000	33,000	43,000	51,000	51,000	34,000

(a) Exports.

(b) In addition the following amounts of kaolinised sillimanite were produced: 1953—2,477; 1954—2,476; 1955—2,948; 1956—2,169; 1957—2,315; 1958—1,823.

(c) Estimated.

(d) Including kyanite.

EXPORTS OF SILLIMANITE, ETC.
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Bechuanaland Protectorate—						
Kyanite	1,750	1,834	750	876	107	—
Kenya—						
Kyanite	4,401	3,634	2,855	293	—	536
Nyasaland—						
Kyanite	1,234	1,335	—	—	—	—
South West Africa—						
Kyanite and sillimanite	1,246	22	67	808	3,732	2,479
Tanganyika—						
Kyanite	20	—	—	—	—	—
Union of South Africa—						
Andalusite and sillimanite	2,709	6,417	10,663	17,571	30,437	21,262
India—						
Kyanite	15,748	22,216	27,189	26,564	24,457	19,158
Sillimanite	3,232	2,414	3,745	5,251	5,624	9,458
Australia (a)—						
Kaolinised sillimanite ..	—	10	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
France—						
Mullite	—	—	11	221	307	251
Italy—						
Mullite	—	—	125	343	149	—
United States—						
Kyanite, etc.	921	1,024	1,532	1,188	2,311	2,226

(a) Years ended June 30 of that stated.

IMPORTS OF SILLIMANITE, ETC.*
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a)—						
Kyanite, sillimanite, etc.	8,800	13,700	13,300	<i>r</i> 17,700	19,000	15,700
Canada—						
Kyanite, etc.	774	691	1,181	1,419	1,520	1,065
Australia (b)—						
Kyanite	303	66	402	118	656	534
Sillimanite	55	—	36	98	188	144
OTHER COUNTRIES						
France—						
Kyanite	906	1,708	1,770	(c) 2,592	(c) 4,346	(c) 3,817
Mullite	1,375	870	1,170	345	554	778
Germany (Federal)—						
Kyanite and sillimanite	3,752	5,318	8,997	8,381	12,535	9,253
Mullite	679	364	495	208	391	98
Italy—						
Kyanite and mullite ..	1,655	1,862	2,251	4,478	3,134	6,121
United States—						
Kyanite, sillimanite, etc.	5,910	4,309	6,769	6,206	5,356	1,754

*These minerals are not separately recorded in the trade returns of several countries including the United Kingdom.

(a) Figures represent exports from certain producing countries to the United Kingdom and are not necessarily complete.

(b) Years ended June 30 of that stated.

(c) Sillimanite minerals.

SILVER
PRODUCTION OF SILVER
(Metal content)

Fine troy ounces

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain	28,914	26,497	29,706	27,878	27,337	20,553
Bechuanaland						
Protectorate	464	292	189	215	35	44
Ghana (a)	44,949	48,214	39,284	32,966	25,390	45,762
Kenya	21,758	1,325	1,770	54,689	23,051	44,146
Nigeria	173	182	172	111	200	200
Northern Rhodesia (b) ..	492,813	403,661	412,191	610,370	520,543	556,523
Southern Rhodesia	84,566	81,657	76,837	76,870	74,179	264,630
South West Africa (c) ..	835,241	855,290	1,279,213	1,880,055	1,725,648	1,395,110
Swaziland	—	—	—	14	—	—
Tanganyika (d)	264,852	211,478	343,468	561,848	521,623	737,578
Uganda (a)	55	85	70	52	21	37
Union of South Africa ..	1,193,152	1,235,418	1,461,336	1,598,279	1,767,472	1,795,384
Canada	28,299,335	31,117,949	27,984,204	28,431,847	28,823,298	31,311,378
India	14,624	161,185	153,935	104,604	126,000	109,800
Australia	12,402,963	13,827,038	14,555,412	14,586,197	15,739,439	16,249,649
Fiji	19,328	24,575	19,707	24,302	24,425	25,375
New Guinea	58,794	49,062	44,713	42,549	38,101	25,065
New Zealand	75,888	33,049	27,930	950	1,279	2,339
Total	43,838,000	48,077,000	46,430,000	48,034,000	49,438,000	52,585,000
OTHER COUNTRIES						
Austria	5,144	5,594	3,665	1,286	1,286	—
Czechoslovakia (e) ..	1,608,000	1,608,000	1,608,000	1,608,000	1,608,000	1,608,000
Finland	235,794	239,459	224,573	318,453	373,592	560,764
France	675,519	555,951	628,065	541,869	703,590	775,000
Germany (Federal) ..	2,314,436	2,400,246	2,226,117	2,197,375	2,133,973	2,112,304
Germany (East) (e) ..	4,501,100	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000
Greece	73,272	85,360	77,869	79,091	93,462	96,452
Italy	849,778	784,395	838,250	870,141	949,617	1,020,838
Norway	113,138	131,271	70,700	55,000	63,000	—
Portugal	59,447	55,299	58,900	57,550	62,308	45,783
Spain	1,209,125	1,312,522	1,473,629	1,402,801	1,345,734	1,780,400
Sweden	1,571,464	2,215,604	2,397,738	2,562,414	2,512,163	2,899,962
Yugoslavia (refined) ..	3,048,000	2,829,400	2,983,600	2,760,000	2,589,700	3,751,700
Algeria	48,200	57,900	61,100	(e) 60,000	(e) 60,000	(e) 55,000
Belgian Congo	4,951,000	4,533,000	4,083,000	3,794,000	3,044,900	3,794,000
Morocco (Southern) ..	2,251,000	1,929,000	2,315,000	2,250,000	2,411,250	2,411,000
Mozambique	209	43	n.a.	42	n.a.	—
Tunisia	125,034	106,100	91,726	86,485	113,556	135,194
Costa Rica (f)	—	—	—	80	—	—

(a) Exports.

(b) Recovered from copper-refinery slimes.

(c) Accounted for by smelters.

(d) Including silver in lead concentrates exported amounting to 223,434; 169,589; 300,322; 527,860; 500,945 and 719,250 fine troy ounces in 1953; 1954; 1955; 1956; 1957 and 1958 respectively.

(e) United States Bureau of Mines' estimate.

(f) Imports into the United States from Costa Rica.

PRODUCTION OF SILVER (cont.)

Fine troy ounces

Producing Country	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Cuba	(a) 167,895	164,235	259,440	284,202	(a) 252,728	(a) 325,278
Guatemala	458,481	284,000	343,111	533,179	528,436	320,621
Honduras	5,640,251	3,432,023	1,797,394	2,030,008	2,260,433	2,762,932
Mexico	47,886,441	39,896,467	47,957,655	43,078,040	47,149,514	47,592,360
Nicaragua	252,697	218,148	268,316	258,521	230,081	304,277
Salvador	348,328	256,772	230,054	167,740	172,306	197,629
United States	37,570,838	36,941,384	37,197,742	38,948,121	38,164,915	34,111,027
Argentina	895,474	1,639,688	r 1,414,633	r 1,671,838	1,350,331	1,543,200
Bolivia (c)	6,787,440	5,043,680	r 5,851,274	7,543,304	5,375,090	6,051,284
Brazil	211,938	126,449	140,113	r 171,524	348,160	326,323
Chile	r 1,283,100	r 1,525,500	r 1,580,200	r 2,106,200	1,672,100	1,765,642
Colombia	117,383	112,534	112,036	110,729	106,494	105,162
Ecuador	86,600	35,100	47,500	294,000	34,800	46,100
Peru	19,650,695	20,405,883	22,947,625	22,972,766	24,845,258	25,918,353
Burma	718,333	1,278,289	1,537,895	1,365,154	1,526,810	1,487,264
Formosa	r 40,600	r 39,120	r 63,890	r 53,830	82,870	52,320
Japan	6,028,489	6,162,815	5,948,627	6,166,963	6,543,673	6,513,900
Korea (South)	r 52,213	50,252	r 79,605	196,409	277,332	247,786
Korea (North) (d)	n.a.	80,000	160,000	260,000	320,000	320,000
Philippine Republic	572,046	527,160	502,069	541,168	479,216	497,987
Saudi Arabia	150,626	61,530	—	—	—	—
Total*	154,000,000	143,000,000	153,000,000	r153,000,000	156,000,000	157,000,000
WORLD'S TOTAL*	198,000,000	191,000,000	199,000,000	r201,000,000	205,000,000	210,000,000

*Totals exclude estimates for the U.S.S.R. for which no authentic figures are available. (In recent years Russian production has been estimated by the United States Bureau of Mines as 25,000,000 troy ounces). An allowance, however, has been made for those other countries for which information is not yet available.

- (a) Imports into the United States.
- (b) Estimated.
- (c) Exports.
- (d) United States Bureau of Mines' estimate.

EXPORTS OF SILVER*
(Domestic Produce unless otherwise stated)
(Metal content)

Fine troy ounces

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (b)—						
Refined bullion ..	12,892,517	12,049,160	11,392,486	} 75,836,726	39,331,255	12,390,683
Unrefined bullion ..	22,881	—	—			
Malta (b)—						
Bullion and scrap ..	700	—	—	—	—	—
Ghana—						
Bullion	44,949	48,214	39,284	32,966	25,390	45,762
Kenya—						
Refined bullion ..	—	—	—	—	22,960	44,146
South West Africa—						
Concentrates (a) ..	n.a.	n.a.	1,279,214	1,264,279	1,789,323	1,719,990
Southern Rhodesia—						
Bullion	85,506	79,442	80,128	73,477	74,079	75,200
Tanganyika—						
Concentrates	223,780	169,638	300,322	527,860	500,945	719,250
Refined bullion ..	41,234	42,156	43,292	35,020	20,520	18,552
Uganda—						
Bullion	55	85	70	52	21	37
Union of South Africa—						
Bullion	—	66	643	634,266	1,318,673	1,125,205
Canada—						
Ore, concentrates, etc.	5,686,518	8,672,340	5,873,873	6,924,414	5,979,459	5,098,788
Bullion	14,632,914	14,467,015	16,598,577	14,341,753	12,799,990	16,026,550
Hong Kong (b)—						
Bullion	1,280,000	585,000	1,033,000	1,322,000	943,000	677,000
India—						
Bullion	n.a.	n.a.	n.a.	n.a.	33,356,619	n.a.
Malaya (b)—						
Bullion	1,600,200	1,151,500	502,000	531,500	946,500	777,000
Australia (c)—						
Ores and concentrates ..	1,219,317	1,992,651	1,964,688	1,866,866	2,370,890	2,794,100
Silver-lead bullion ..	4,064,318	2,580,480	3,363,832	2,683,035	4,797,845	3,991,803
Bullion, refined ..	} 5,954,073	6,882,588	6,029,283	6,450,622	16,521,195	3,040,383
do. unrefined ..		11,620	84,582	3,000	46,690	8,790
Beaten, rolled or drawn		17,589	33,290	31,734	2,584	29,651
Fiji—						
Bullion	14,677	17,794	12,300	4,842	1,360	9,368
New Guinea (c)—						
Bullion	64,420	50,919	46,922	42,950	41,354	35,000
New Zealand						
Concentrates	3,016	22,153	8,584	—	—	—
Scrap, sweepings, etc. .	—	—	—	1,600	—	—
Beaten, rolled or drawn	31,000	20,000	3,000	300	—	—
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U. (b)—						
Bullion and scrap ..	r 4,345,000	r 3,494,000	2,432,000	3,778,000	3,858,000	4,315,000
Denmark (b)—						
Bullion	39,000	43,500	40,000	35,000	49,000	48,000
Beaten, rolled or drawn	2,000	—	600	300	1,100	3,000
France (b)—						
Bullion and scrap ..	1,762,000	2,036,000	2,325,000	4,261,000	2,432,000	2,334,000
Beaten, rolled or drawn	191,000	299,000	390,000	258,000	447,000	358,000

*Excluding silver coin, but including silver shipped for minting.

(a) Recoverable from lead complex concentrate.

(b) Including foreign produce.

(c) Years ended June 30 of that stated.

EXPORTS OF SILVER (cont.)

Fine troy ounces

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Germany (Federal) (b)—						
Bullion	6,522,000	8,413,000	9,017,000	13,447,000	18,955,000	13,866,000
Italy—						
Bullion and scrap	—	—	1,000	—	500	57,000
Netherlands (b)—						
Bullion and scrap	1,081,000	10,023,000	18,768,000	19,798,000	5,268,000	4,949,000
Sweden—						
Bullion	495,000	560,000	565,000	589,000	536,000	1,983,000
Switzerland (b)—						
Bullion	421,200	303,000	169,000	16,000	157,000	331,000
Yugoslavia—						
Bullion	<i>n.a.</i>	2,428,000	1,756,000	2,181,000	1,922,000	2,032,000
Belgian Congo—						
Bullion	36,000	41,000	34,000	<i>r</i> 34,000	29,000	31,000
Morocco						
Bullion	670,000	617,000	525,000	587,000	79,000	<i>n.a.</i>
Guatemala (a)—						
Ore and base bullion	2,159	15,351	213,806	358,353	251,294	189,000
Honduras—						
Bullion	5,554,166	3,432,023	1,962,532	1,921,672	2,230,839	2,762,932
Cuba (a)—						
Bullion, etc.	167,895	179,479	366,673	216,489	252,728	325,000
Mexico—						
Bullion, etc.	36,930,000	42,356,000	38,831,000	33,753,000	37,323,000	36,372,000
Nicaragua—						
Bullion	230,000	207,000	235,000	221,000	209,000	283,000
Salvador—						
Bullion	328,000	238,000	212,000	134,000	164,000	192,000
United States—						
Ore and base bullion	—	29,917	71,074	2,058,401	1,372,682	1,640,000
Refined bullion	1,022,773	1,672,618	4,821,635	3,442,479	8,926,674	1,093,000
Bolivia—						
Ores, etc.	6,787,440	5,043,680	5,851,274	7,543,304	5,375,090	6,051,284
Chile—						
Ores	1,197,740	1,220,521	1,533,437	1,546,310	1,448,610	<i>n.a.</i>
Colombia—						
Bullion and scrap	—	—	14,000	79,000	15,000	391,000
Ecuador (a)—						
Ore and base bullion	76,339	50,190	42,491	49,689	53,138	63,000
Peru—						
Ores and concentrates	7,184,701	8,918,409	8,961,158	10,640,940	10,475,843	12,537,471
Bullion	8,203,123	10,002,418	11,004,196	10,083,953	10,233,361	11,473,250
Matte, slag, etc.	309,259	270,549	342,634	536,024	427,221	377,000
Japan—						
Bullion and scrap	(c)6,356,000	(c)4,013,000	(c) 963,000	644,000	37,000	174,000
Philippine Republic (a)—						
Ore and base bullion	249,509	412,376	278,512	249,437	285,496	263,000

(a) Imports into the United States from the country stated.

(b) Including foreign produce.

(c) Including alloys, and "beaten, rolled or drawn".

TOTAL IMPORTS OF SILVER*

(Metal content)

Fine troy ounces

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ores	3,603,000	3,467,000	4,472,000	4,326,000	5,138,000	5,427,000
Unrefined bullion	2,068,943	951,933	2,155,316	4,004,141	2,926,311	1,720,751
Refined bullion	31,656,236	22,167,632	27,296,133	16,286,379	13,032,752	11,560,848
Malta—						
Bullion	5,800	3,400	4,400	9,500	6,000	11,200
Ghana—						
Bullion	115,465	104,123	105,440	65,907	40,973	23,959
Kenya and Uganda—						
Bullion	300	—	—	—	—	—
Nigeria—						
Bullion	—	3,345	24,030	16,730	6,433	5,329
Sierra Leone—						
Bullion	3,443	3,295	1,428	1,380	2,125	160
Union of South Africa—						
Bullion	502,950	—	6,242	4,225	5,571	—
Zanzibar—						
Bullion	—	—	—	600	60	3
Canada—						
Bullion	287,497	60,165	87,128	1,010,180	1,895,131	2,701
British Guiana—						
Bullion	—	800	—	1,300	1,600	2,400
British West Indies—						
Jamaica—						
Bullion	—	1,200	2,200	1,100	1,850	1,500
Trinidad and Tobago—						
Bullion	—	—	1,700	6,000	—	—
Ceylon—						
Bullion	50,000	1,200	5,000	2,000	523,000	5,000
Cyprus—						
Bullion	4,600	1,300	6,300	4,800	22,500	36,300
Hong Kong—						
Bullion	336,000	110,000	134,000	162,000	22,000	18,000
India—						
Bullion	201,083	—	399	10,822	68	2,002
Malaya—						
Bullion	800	300	600	400	20	1,000
Sarawak—						
Bullion	40	17,000	2,400	60	1,000	9,300
Australia (a)—						
Matte	n.a.	—	4,148	2,900	—	—
Bullion	97,749	80,563	89,315	83,385	73,190	87,638
Beaten, rolled or drawn		101	9	19	—	—
Fiji—						
Bullion	130	280	—	—	—	—
New Zealand—						
Bullion	21,677	59,123	30,556	41,038	54,453	58,895
Beaten, rolled or drawn	800	1,400	4,000	5,600	368,000	534,000
Irish Republic—						
Bullion	—	—	2,100	1,100	—	—

*Excluding silver coin, but including silver shipped for minting.

(a) Years ended June 30 of that stated.

IMPORTS OF SILVER (cont.)

Fine troy ounces

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
Austria—						
Bullion	127,000	174,000	1,174,000	1,564,000	5,559,000	5,255,000
Belgium-Luxemburg						
E.U.—						
Bullion and scrap ..	r 1,600,000	3,046,000	r 724,000	1,952,000	3,679,000	1,477,000
Denmark—						
Bullion	1,318,000	1,160,000	1,060,000	1,119,000	1,393,000	1,470,000
Beaten, rolled or drawn	977,000	1,009,000	1,141,000	1,168,000	1,066,000	1,250,000
Finland—						
Bullion, etc.	3,100	430,000	335,000	1,201,000	1,172,000	766,000
France—						
Bullion and scrap ..	8,627,000	9,379,000	9,116,000	12,526,000	10,856,000	11,380,000
Beaten, rolled or drawn	43,500	91,000	173,000	672,000	212,000	143,000
Germany (Federal)—						
Bullion	2,506,000	15,039,000	24,218,000	27,367,000	34,355,000	30,093,000
Italy—						
Bullion and scrap ..	4,556,000	7,712,000	7,020,000	5,447,000	5,535,000	5,055,000
Netherlands—						
Bullion and scrap ..	1,732,000	1,704,000	1,608,000	1,622,000	1,390,000	1,234,000
Norway—						
Bullion	957,000	992,000	974,000	829,000	821,000	691,000
Beaten, rolled or drawn	785,000	1,015,000	992,000	1,103,000	960,000	1,210,000
Portugal—						
Bullion and scrap ..	1,389,000	1,147,000	2,010,000	2,853,000	4,065,000	3,272,000
Beaten, rolled and drawn	2,000	9,000	18,000	11,000	14,000	22,000
Sweden—						
Bullion	2,499,000	4,527,000	901,000	1,287,000	1,245,000	481,000
Switzerland—						
Bullion	2,938,000	5,800,000	5,400,000	4,331,000	6,506,000	5,173,000
Algeria—						
Bullion and scrap ..	93,000	74,000	121,000	124,000	135,000	100,000
Beaten, rolled or drawn	114,000	136,000	196,000	140,000	101,000	122,000
Belgian Congo—						
Bullion	n.a.	4,000	46,000	35,000	26,000	48,000
Egypt—						
Bullion and scrap ..	5,600	7,000	16,500	11,000	1,000	3,000
Sudan—						
Bullion	6,600	—	—	—	—	n.a.
Guatemala—						
Bullion	—	—	54,000	r 204,000	80,000	323,000
United States—						
Ore and base bullion ..	37,685,219	49,008,443	55,658,175	63,125,065	99,925,905	134,650,000
Refined bullion	43,824,916	41,888,631	28,861,015	99,706,716	106,192,994	31,316,000
Brazil—						
Bullion	341,000	1,106,000	284,000	434,000	568,000	345,000
Colombia—						
Bullion and scrap ..	186,000	487,000	1,041,000	812,000	320,000	—
Turkey—						
Bullion, etc.	72,000	24,000	25,000	500	—	—

STRONTIUM MINERALS

PRODUCTION OF STRONTIUM MINERALS

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Celestite	2,965	2,100	4,750	9,200	6,900	5,600
Pakistan—						
Celestite	r 819	r 360	434	r 300	854	455
OTHER COUNTRIES						
Italy—						
Celestite	—	—	69	209	1,095	<i>n.a.</i>
Morocco—						
Strontium minerals ..	—	—	—	—	266	1,004
Mexico (a)—						
Celestite	2,209	1,723	1,786	2,130	1,820	2,135
United States—						
Strontium minerals ..	45	11	158	3,591	<i>n.a.</i>	—
Argentina—						
Celestite	—	—	—	358	<i>n.a.</i>	<i>n.a.</i>

Strontianite is also produced in Germany.

(a) Exports.

EXPORTS OF STRONTIUM MINERALS, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Celestite (a)	3,940	1,236	3,619	6,357	4,128	3,884
OTHER COUNTRIES						
France—						
Strontianite	—	2	5	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Oxide	1	—	—	—	—	—
Germany (Federal)—						
Strontianite and celestite	—	—	12	27	—	—
Italy—						
Strontianite and celestite ..	42	—	—	—	—	—
Tunis—						
Strontianite	—	—	689	—	—	—
Mexico—						
Celestite	2,209	1,723	1,786	2,130	1,820	2,135

(a) Imports into the United States from the United Kingdom.

IMPORTS OF STRONTIUM MINERALS, ETC.
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
New Zealand— Strontium compounds	(£NZ138)	(£NZ265)	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
France—						
Celestite	60	60	120	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Strontianite	—	—	579	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Germany (Federal)—						
Strontianite and celestite	290	321	438	637	445	317
United States—						
Strontianite and celestite	6,158	2,938	5,468	8,428	5,826	5,955
Strontium compounds	7	3	3	2	—	5
Turkey—						
Strontium compounds	1	1	2	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

SULPHUR
(see also Pyrites)
PRODUCTION OF SULPHUR

Producing Country and Description	Estimated Sulphur Content										Long tons	
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956		1957	1958
COMMONWEALTH COUNTRIES												
United Kingdom—												
Spent oxide	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	136,300	145,400	129,821	130,248	126,129	117,247
Anhydrite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	242,000	233,500	280,912	(a) 146,909	(a) 156,489	(a) 156,654
Other (b)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	25,700	40,800	45,891	52,973	39,142	49,561
Canada—												
Smelter gas	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	153,750	197,542	200,408	210,793	209,931	211,141
Hydrogen sulphide (d) (e)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	r 14,350	r 16,665	23,193	31,057	83,328	88,969
Australia—												
Sulphur recoverable from:												
zinc concentrates	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	120,700	130,500	122,600	143,407	150,900	136,530
lead concentrates	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	15,500	16,500	22,000	41,756	43,412	44,571
Spent oxide	13,579	11,702	13,778	14,692	14,379	12,857	5,432	4,680	5,511	5,877	5,751	5,154
OTHER COUNTRIES												
France—												
Sulphur rock	301,375	—	—	—	—	—	10,710	—	—	—	—	—
Sulphur (d)	—	—	—	—	28,000	126,670	—	—	—	—	n.a.	n.a.
Germany (East)—												
Sulphur	84,621	86,970	93,985	92,748	100,190	104,679	84,621	86,970	93,985	92,748	100,190	104,679
Greece—												
Sulphur rock	10,152	20,596	28,575	9,930	22,848	n.a.	1,200	2,500	3,400	1,200	2,700	n.a.
Italy—												
Sulphur rock	1,892,142	1,712,990	1,756,314	1,699,905	1,681,801	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Fused (e)	r 214,272	194,063	181,628	r 168,060	171,367	158,665	r 214,272	194,063	181,628	r 168,060	171,367	158,665
Ground sulphur rock (e)	16,940	22,803	21,560	22,213	19,904	18,656	5,100	6,800	6,500	6,700	6,000	5,600
Norway (c)	101,703	99,086	98,863	95,381	95,148	89,126	101,672	99,056	98,833	95,353	95,055	89,021
Portugal (c)	16,697	16,099	15,465	16,922	16,675	17,373	16,480	15,890	15,264	16,702	16,458	17,147
Spain—												
Sulphur rock	37,849	39,736	45,819	46,181	29,585	25,251	r 3,760	r 4,114	r 5,531	r 5,743	3,356	3,055
Refined sulphur (f)	40,224	43,327	57,079	64,803	62,174	n.a.	40,224	43,327	57,079	64,803	62,174	25,251
Sweden—												
Sulphur	23,702	27,425	28,419	30,338	33,309	23,702	23,702	27,425	28,419	30,338	33,309	n.a.

(a) For sulphuric acid manufacture only.
 (b) Including sulphur recovered from petroleum refineries but excluding sulphur recovered from zinc concentrates.
 (c) Sulphur recovered from pyrites.
 (d) Recovered from natural gas.
 (e) Derived from sulphur rock above.
 (f) Derived partly from sulphur rock above but in the main recovered from pyrites.
 (g) Sales.

PRODUCTION OF SULPHUR (cont.)

Long tons

Producing Country and Description	Estimated Sulphur Content											
	1953	1954	1955	1956	1957	1958	1954	1955	1956	1957	1958	
OTHER COUNTRIES (cont.)												
Egypt (a)	3,266	3,736	3,755	n.a.	n.a.	n.a.	3,266	3,736	3,755	n.a.	n.a.	n.a.
Mexico—												
Mined (f)	12,000	62,000	484,452	758,412	1,024,066	1,201,483	12,000	62,000	484,452	1,024,066	1,201,483	
Refined sulphur (e) .. .	27,591	19,918	25,728	14,577	41,642	27,641	27,591	19,918	25,728	41,642	27,641	
United States—												
Crude sulphur (f) .. .	5,155,342	5,514,640	5,738,978	6,423,883	5,491,212	4,643,243	5,155,342	5,514,640	5,738,978	5,491,212	4,643,243	
Sulphur ore (g) .. .	151,819	214,157	199,899	212,476	276,868	6,292	38,257	64,333	60,902	87,313	2,334	
Smelter gas (b) .. .	775,969	791,049	992,903	1,064,406	1,194,230	1,101,754	253,000	238,600	324,580	390,394	359,723	
By-product sulphur (c) .. .	344,020	361,391	401,134	467,136	512,388	641,890	341,660	359,271	398,780	510,511	640,096	
Hydrogen sulphide (c) .. .	92,787	85,255	106,129	102,300	102,157	106,527	80,167	73,046	93,712	88,446	92,400	
Argentina—												
Refined sulphur .. .	16,000	17,000	n.a.	18,587	16,981	n.a.	16,000	17,000	n.a.	18,587	16,981	n.a.
Bolivia (i) .. .												
Refined sulphur .. .	2,458	2,566	3,976	3,418	783	392	2,458	2,566	3,976	3,418	783	392
Chile—												
Refined sulphur .. .	r 32,233	r 49,207	r 50,376	r 37,271	17,400	n.a.	r 32,072	r 48,961	r 50,124	r 37,085	17,300	n.a.
Colombia—												
Refined sulphur .. .	2,660	5,100	5,400	5,000	(d) 5,000	6,700	2,660	5,100	5,400	5,000	6,700	
Ecuador—												
Sulphur .. .	1,000	n.a.	n.a.	n.a.	n.a.	n.a.	1,000	n.a.	n.a.	n.a.	n.a.	n.a.
Peru—												
Crude .. .	n.a.	—	—	—	—	—	404	—	—	—	—	—
Refined sulphur .. .	4,516	—	—	—	—	—	4,493	—	—	—	—	—
Formosa—												
Refined sulphur .. .	r 3,097	r 5,880	4,854	7,864	9,433	6,178	r 3,097	r 5,880	4,854	7,864	9,433	6,178
Iran—												
Sulphur (d) .. .	n.a.	n.a.	250	n.a.	400	n.a.	n.a.	n.a.	140	n.a.	n.a.	n.a.
Japan—												
Refined sulphur .. .	186,555	184,744	199,675	243,312	253,547	176,980	186,555	184,744	199,675	253,547	176,980	
Philippine Republic (h) .. .	n.a.	n.a.	n.a.	—	n.a.	n.a.	n.a.	n.a.	7,021	—	2,308	n.a.
Turkey—												
Refined sulphur .. .	r 9,621	9,837	11,318	13,680	12,900	12,622	r 9,611	9,827	11,307	12,900	12,609	

Sulphur is also produced in U.S.S.R., Iraq and Manchuria.

- (a) Estimated sulphur content of gas driven off in the smelting of zinc and copper concentrates, recovered as sulphuric acid.
- (b) Recovered from natural gas.
- (c) Recovered from petroleum refineries.
- (d) Produced in treatment of industrial gases.
- (e) Estimated.
- (f) Frasch-process mines.
- (g) Other mines.
- (h) Including sulphur recovered from gold and silver mines.
- (i) Exports.

EXPORTS OF SULPHUR
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	1,181	2,109	2,102	1,293	1,238	1,511
Union of South Africa ..	62	75	109	237	281	67
Canada ..	4,136	2,981	2,274	3,867	11,040	6,792
Trinidad and Tobago ..	831	1,013	2,208	—	—	—
Hong Kong (re-exports)	—	—	—	—	40	197
Malaya (including re-exports) ..	4	7	3	21	93	1
Australia—						
Zinc concentrates (S content) (b) ..	60,000	68,000	60,800	68,400	82,900	67,100
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Crude ..	787	394	3	168	442	3
Refined ..	2,569	3,042	4,592	3,948	2,130	712
France—						
Rock ..	28	25	—	n.a.	n.a.	n.a.
Crude ..	1,774	5,910	12,727	8,490	9,042	56,011
Unrefined ground ..	644	600	1,126	1,946	2,037	2,426
Refined lump ..	2,423	5,680	5,379	1,553	877	905
Flowers of sulphur ..	85	12	18	1,903	3,943	5,563
Precipitated sulphur ..	2	2	1	542	578	20
Germany (Federal) ..	18,315	15,707	19,700	24,178	25,879	26,251
Germany (East) ..	12,494	22,900	29,588	17,073	19,578	15,800
Italy—						
Crude ..	6,832	518	44,306	122,500	122,498	30,116
Refined ..	5,397	7,694	5,658	6,586	25,541	5,378
Flowers of sulphur ..	262	345	413	555	405	746
Precipitated sulphur ..	10	—	17	—	1	3
Netherlands—						
Crude ..	8,667	8,031	4,625	3,891	3,687	5,972
Refined ..	340	697	24	102	147	26
Norway ..	64,836	97,692	77,802	70,452	69,729	54,298
Portugal ..	480	651	573	469	1,294	645
Spain—						
Crude ..	—	—	—	—	5	—
Refined ..	3	—	—	—	3	10
Sweden ..	4,488	4,296	1,295	1,065	701	368
U.S.S.R. (a) ..	n.a.	n.a.	29,200	25,100	40,300	41,200
Mexico ..	4,462	49	177,500	493,990	863,344	1,005,498
United States—						
Crude ..	1,241,536	1,645,000	1,600,951	1,651,307	1,578,359	1,570,979
Refined and flowers of sulphur ..	29,475	30,130	34,701	r 24,024	14,620	27,949
Bolivia ..	2,458	2,566	3,976	3,418	783	392
Chile ..	16,105	19,200	47,700	26,131	8	346
Colombia ..	—	—	98	—	492	—
Ecuador ..	2,472	52	2,211	316	n.a.	n.a.
Peru ..	603	997	98	49	—	n.a.
Iran (c)—						
Crude ..	171	122	n.a.	n.a.	n.a.	n.a.
Refined ..	38	—	n.a.	n.a.	n.a.	n.a.
Japan ..	14,921	14,874	5,387	595	43	9,026
Turkey ..	—	—	837	5,413	—	—

(a) May include some foreign produce.

(c) Years ended March 20 following that stated.

(b) Estimated amount recoverable.

IMPORTS OF SULPHUR

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom	196,736	374,618	358,654	352,480	322,814	326,946
Malta—						
Crude	<i>n.a.</i>	69	32	2	50	126
Flowers of sulphur	159	(£4,718)	(£8,060)	(£4,460)	(£3,800)	(£4,503)
Kenya	59	40	111	131	203	236
Mauritius	—	25	1	93	94	2
Northern Rhodesia	1	(c)	(c)	(c)	(c)	(c)
South West Africa	32	49	(f)	(f)	(f)	(f)
Southern Rhodesia	28	(d)	(d)	(d)	(d)	(d)
Tanganyika	36	18	149	236	304	230
Uganda	326	117	602	261	854	495
Union of South Africa	71,479	66,123	(g)	(g)	(g)	(g)
British Guiana	(b)	1	—	—	1	1
Canada	320,629	276,899	333,352	421,557	372,015	339,581
Trinidad and Tobago	13	19	15	22	24	24
Ceylon	2,454	3,593	3,532	2,438	5,641	2,189
Cyprus	2,038	518	383	948	1,272	1,286
Hong Kong (a)	—	1,098	1,421	776	859	544
India	51,884	65,664	83,589	83,427	115,491	117,928
Malaya (a)	120	255	223	277	415	218
Pakistan	(e)	(e)	(e)	1,036	1,112	3,091
Australia	132,203	191,812	192,584	205,880	138,083	208,028
New Zealand	87,399	133,219	127,985	89,393	93,373	65,182
Irish Republic	183	192	286	1,628	5,737	6,649
OTHER COUNTRIES						
Austria	18,894	30,848	16,629	26,763	31,707	44,480
Belgium-Luxemburg						
E.U.—						
Crude	29,732	49,914	78,893	66,810	104,471	95,632
Refined	514	312	326	381	416	414
Czechoslovakia	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	25,000	28,000	37,000
Denmark	533	954	1,061	1,371	2,419	1,445
Finland	20,417	42,119	52,811	59,770	64,268	62,504
France—						
Crude	101,799	212,719	223,616	272,193	299,359	302,612
Unrefined ground	43	1,093	55	80	152	110
Refined lump	4,728	1	24	158	1	2
Flowers of sulphur	20	3,190	318	—	—	—
Precipitated	10	6	12	62	29	6
Germany (Federal)	14,556	36,287	55,902	62,415	63,844	63,415
Greece	10,769	9,392	12,499	9,220	9,193	8,182
Netherlands	836	855	2,287	7,293	23,726	64,778
Norway	146	197	187	1,868	4,632	3,363
Portugal—						
Crude	4,429	—	2,302	1,145	2,131	<i>n.a.</i>
Flowers of sulphur	40	130	304	394	438	716
Other sulphur	20	41	51	63	59	(h)
Spain—						
Crude	3,937	2,867	6,193	14,065	—	2,953
Refined, etc.	12	12	20	46	21	38
Sweden	33,511	42,187	70,495	78,650	68,707	64,645
Switzerland—						
Crude and ground	22,593	66,775	75,582	45,551	36,298	42,531
Flowers of sulphur	122	219	257	267	255	170

(a) Total imports.

(b) Excess of re-exports.

(c) See under Southern Rhodesia.

(d) Federation of Rhodesia and Nyasaland.

(e) Years ended March 31 following that stated.

(f) Included with the Union of South Africa.

(g) Includes South West Africa.

(h) Includes crude.

IMPORTS OF SULPHUR (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
U.S.S.R. (a)	<i>n.a.</i>	<i>n.a.</i>	12,300	57,000	92,300	65,200
Yugoslavia	<i>n.a.</i>	5,799	5,737	69	3,635	6,843
Algeria—						
Crude	14,160	15,826	25,354	17,352	20,067	24,522
Unrefined, ground ..	486	275	649	1,362	1,098	1,611
Refined	489	754	683	444	431	487
Flowers of sulphur ..	28	3	9	20	—	82
Precipitated	—	—	—	331	451	23
Angola	40	44	154	69	149	220
Belgian Congo	220	107	120	294	163	408
Canary Islands—						
Crude	—	—	—	—	1,370	1,968
Refined, etc.	525	5,321	3,276	3,693	3,732	4,921
Egypt	5,721	4,563	6,880	9,135	14,460	7,853
Madagascar	44	33	34	61	57	36
Morocco						
Crude	8,146	7,141	6,987	3,450	3,992	6,493
Unrefined, ground ..	55	56	174	176	140	239
Refined	1,641	2,308	2,445	435	215	196
Flowers of sulphur ..	2	24	10	1,695	2,103	3,147
Precipitated	1	—	4	113	66	23
Mozambique	472	559	641	882	970	671
Tunisia—						
Crude and unrefined ..	10,577	18,257	23,613	38,125	1,554	7,392
Refined and flowers of sulphur	83	381	410	268	769	1,616
Costa Rica (a)	49	71	39	10	45	12
Cuba (a)	11,500	11,334	11,863	17,513	17,637	<i>n.a.</i>
Guatemala (a)	173	173	80	125	193	293
Mexico (a)	7,384	5,632	8,587	105	207	441
Netherlands West Indies ..	2,851	15,201	4,004	<i>n.a.</i>	<i>n.a.</i>	5,002
Nicaragua (a)	161	121	129	21	15	105
Salvador	100	88	81	95	161	76
United States	1,229	1,214	34,627	212,229	499,401	590,687
Argentina—						
Crude	31,331	1,202	—	21,291	43,235	38,558
Refined and flowers of sulphur	52	98	66	25	103	80
Brazil (a)—						
Crude	52,839	83,637	64,269	91,787	98,058	93,970
Refined	9,438	6,547	1,671	1,281	2,199	242
Flowers of sulphur ..	101	151	134	115	433	—
Precipitated	11	49	53	41	71	47
Colombia	660	431	448	384	250	288
Ecuador	74	58	39	20	19	36
Peru	2,836	5,918	3,207	2,502	3,450	<i>n.a.</i>
Uruguay	2,567	5,005	6,658	1,215	523	7,084
Venezuela (a)	1,245	1,242	1,672	2,130	2,311	2,332
Burma (a)	351	152	278	210	1,596	493
Indonesia	5,830	6,013	10,682	9,941	7,396	7,880
Israel	4,047	3,384	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Japan	17	61	26	19,117	2,984	151
Jordan	<i>n.a.</i>	173	383	521	475	773
Lebanon	722	761	982	1,159	1,812	3,863
Philippine Republic	12,443	3,715	1,106	1,814	2,152	2,480
Syria	618	461	552	619	743	580
Thailand (a)	335	240	507	143	1,072	643
Turkey—						
Refined and flowers of sulphur	74	1,003	468	28	223	6

(a) Total imports.

TALC
PRODUCTION OF TALC
(Including Steatite and Pyrophyllite)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain	3,940	3,970	5,036	3,813	3,800	4,147
Kenya (a)	155	99	—	—	—	—
Southern Rhodesia	5	2	—	—	—	—
Swaziland—						
Pyrophyllite	—	—	—	—	20	139
Union of South Africa (b)	7,120	7,120	1,412	1,757	2,066	683
Canada (c)	24,471	25,128	24,250	26,184	31,004	29,905
India	29,135	42,326	42,390	46,855	43,976	45,452
Pakistan	n.a.	n.a.	259	1,100	1,174	1,586
Australia—						
Talc	9,806	12,940	12,567	13,035	14,360	12,516
Pyrophyllite	129	184	266	339	358	—
OTHER COUNTRIES						
Austria	50,426	60,991	69,558	65,012	72,246	69,709
Finland	3,629	7,319	4,701	7,273	8,267	6,545
France	107,762	117,995	118,467	113,250	129,895	157,000
Germany (Federal)	40,145	48,051	49,617	50,425	42,789	42,784
Greece	—	1,139	2,070	2,000	2,000	n.a.
Italy	81,293	84,322	98,475	93,755	98,742	107,036
Norway	60,579	70,357	66,150	61,186	69,859	60,000
Portugal	16	5	10	85	—	—
Spain	18,500	20,443	22,471	27,508	31,331	28,688
Sweden	8,048	12,273	11,244	11,974	11,433	n.a.
Egypt	2,240	2,520	6,102	r 6,880	5,385	(e) 5,000
United States—						
Talc	453,644	439,546	506,472	510,074	467,781	502,401
Pyrophyllite	110,229	113,127	141,482	149,782	143,337	155,932
Argentina	n.a.	n.a.	23,000	25,000	23,428	(e) 23,700
Brazil	20,952	19,613	24,276	27,396	20,556	28,074
Paraguay	88	118	(e) 100	(e) 100	(e) 100	(e) 100
Peru—						
Talc	—	—	595	} 3,599	{ 120	152
Pyrophyllite	—	—	2,715			
Uruguay	605	1,042	1,115	1,410	1,399	1,776
Afghanistan	600	640	600	803	(d) 700	(d) 700
Formosa	1,736	6,956	5,185	6,034	5,302	3,283
Japan—						
Talc	14,198	17,624	20,160	30,546	31,991	39,250
Pyrophyllite	309,188	202,194	204,374	278,246	386,857	298,245
Korea (South)—						
Talc	8,463	8,195	r 6,104	r 6,168	6,496	9,946
Pyrophyllite	r 15,637	10,524	4,694	7,837	4,606	5,751
TOTAL*	1,390,000	1,340,000	1,470,000	r 1,580,000	1,660,000	1,660,000

* Excluding talc known to have been produced in Roumania, U.S.S.R. and China.

(a) Kisii stone.

(b) In addition the following amounts of wonderstone were produced (long tons): 1953—364; 1954—337; 1955—213; 1956—237; 1957—531; 1958—1,121.

(c) Shipments.

(d) Estimated.

(e) United States Bureau of Mines' estimate.

EXPORTS OF TALC
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Canada	2,623	3,222	3,954	2,333	2,101	1,724
India	7,384	6,361	7,869	7,672	7,021	7,101
Malaya (re-exports)	n.a.	244	211	280	203	200
Australia (a)	n.a.	1,942	2,365	2,507	2,604	3,106
OTHER COUNTRIES						
Austria	32,589	44,109	49,010	49,151	50,349	50,772
Belgium-Luxemburg						
E.U.	48	62	57	75	20	37
France	24,278	28,644	36,064	29,054	31,801	29,895
Germany (Federal)	306	746	926	1,115	1,017	639
Italy	32,623	30,216	40,939	38,807	39,917	44,300
Norway	39,895	50,182	55,390	51,756	53,294	52,133
Egypt	934	1,826	2,175	1,501	1,080	1,358
United States	20,599	20,846	31,455	37,797	35,701	52,363
Japan	348	342	555	423	670	716
Korea (South)—						
Talc	5,947	6,899	10,374	6,094	5,773	11,783
Pyrophyllite	n.a.	n.a.	n.a.	n.a.	n.a.	4,888

(a) Years ended June 30 of that stated.

IMPORTS OF TALC
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Unground	956	599	1,189	1,618	760	262
Ground	28,767	33,266	37,661	36,574	37,251	38,000
Canada	10,580	11,064	10,163	14,517	13,225	14,798
Ceylon	296	444	523	961	1,091	1,969
Malaya (a)	n.a.	1,901	3,066	2,952	3,552	2,792
Australia (b)	52	281	—	233	220	263
OTHER COUNTRIES						
Austria	379	461	412	644	674	400
Belgium-Luxemburg						
E.U.	7,598	7,556	10,770	10,119	11,426	11,080
Denmark	6,962	8,393	9,208	8,259	9,142	8,278
Finland	1,221	2,568	2,749	1,736	1,471	1,821
France	1,819	2,202	2,273	2,076	3,851	5,334
Germany (Federal)	23,673	29,776	36,720	37,973	39,234	35,449
Italy	291	693	1,238	2,438	2,248	1,685
Netherlands	10,586	10,906	12,200	12,325	10,671	8,506
Portugal	554	627	606	595	844	707
Sweden	1,511	1,821	2,087	1,546	2,201	2,265
U.S.S.R.	n.a.	n.a.	43,200	67,100	69,400	70,000
Yugoslavia	101	166	165	82	97	195
Algeria	1,718	1,716	3,172	1,776	1,744	3,112
Belgian Congo	148	268	190	293	289	253
Egypt	294	202	427	165	6	—
Morocco	993	930	2,046	846	551	837
Tunisia	310	480	452	243	439	544
Costa Rica (a)	n.a.	29	35	38	48	58
Guatemala (a)	11	21	16	14	46	69
Mexico (a)—						
Talc	942	1,165	2,497	5,698	15,758	28,068
Pyrophyllite	n.a.	n.a.	n.a.	620	431	896
Panama Republic (a)	95	n.a.	n.a.	n.a.	n.a.	n.a.
Salvador	14	18	20	16	28	46
United States	20,360	19,784	25,964	20,849	18,210	20,438
Argentina	—	—	—	—	—	1
Brazil (a)	—	14	18	—	10	—
Chile	28	47	105	n.a.	n.a.	n.a.
Colombia	480	610	1,101	1,393	1,503	903
Ecuador	112	173	188	79	69	309
Peru	406	304	484	300	470	n.a.
Venezuela (a)	499	887	n.a.	882	1,053	1,367
Japan	13,082	10,777	20,204	19,414	22,845	24,461
Lebanon	144	112	47	145	202	196
Philippine Republic	714	1,365	982	890	1,484	1,544
Syria	133	209	n.a.	n.a.	n.a.	n.a.
Thailand (a)	n.a.	n.a.	892	432	512	708
Turkey	160	224	118	100	122	153

(a) Total imports.

(b) Years ended June 30 of that stated.

TANTALUM AND NIOBIUM MINERALS
PRODUCTION OF TANTALUM AND NIOBIUM MINERALS

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Nigeria—						
Tantalite	—	10	15	14	18	20
Columbite	1,959	2,914	3,146	2,604	1,923	806
Sierra Leone—						
Columbite	—	4	4	—	—	—
Southern Rhodesia—						
Tantalum concentrates	13	6	2	13	34	43
Columbite	3	8	5	2	—	—
South West Africa—						
Columbite	—	1	5	—	—	—
Tantalite and columbite	8	12	6	6	11	5
Swaziland—						
Yttrotantalite	—	—	—	—	15	—
Uganda—						
Tantalite and columbite	13	10	15	2	2	3
Tin-columbite	2	3	(515lb.)	—	—	—
Union of South Africa—						
Tantalite	17	21	11	1	1	17
British Guiana—						
Columbite	5	2	2	—	—	—
India—						
Columbite	(483 lb.)	(a)	5	n.a.	n.a.	n.a.
Malaya—						
Columbite	52	111	236	276	142	159
Australia—						
Tantalite and columbite	8	53	12	71	22	6
OTHER COUNTRIES						
Norway—						
Niobium concentrates(b)	555	175	302	256	190	281
Portugal—						
Tantalite and columbite	137	82	50	27	31	24
Belgian Congo—						
Tantalite and columbite concentrates	279	432	432	330	234	243
Tin-tantalite-columbite	1,596	2,664	(c) 2,824	(c) 2,717	(c) 1,947	(c) 1,427
French Equatorial Africa—						
Tantalite and columbite	2	3	1	—	—	—
Madagascar—						
Columbite	4	16	17	9	8	11
Mozambique—						
Tantalite	—	—	2	3	} 129	169
Columbite	26	42	35	26		
United States—						
Tantalum and niobium concentrates	7	15	6	(d) 97	(d) 165	(d) 191
Argentina—						
Tantalite and columbite	n.a.	n.a.	5	5	—	n.a.
Bolivia (e)						
Columbite	3	n.a.	1	—	—	—
Brazil—						
Tantalite	(e) 18	(e) 48	(e) 57	(e) 93	130	} 335
Columbite	29	193	76	176	130	
French Guiana—						
Tantalite and columbite	6	14	10	7	1	—

Small quantities of tantalite and columbite have been produced in Kenya, Northern Rhodesia, Somaliland Protectorate and Canada.

(a) Including fergusonite.

(b) 5% Nb₂O₅ in 1953; 50% Nb₂O₅ in 1954; 49% Nb₂O₅ in 1955; 51% Nb₂O₅ in 1956; 50% Nb₂O₅ in 1957; 50% Nb₂O₅ in 1958.

(c) Estimated to contain 346, 281, 153 and 108 tons of tantalite-columbite in 1955, 1956, 1957 and 1958 respectively.

(d) Shipments from mine. Principally euxenite.

(e) Exports.

EXPORTS OF TANTALUM AND NIOBIUM MINERALS, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ferro niobium and ferro-niobium-tantalum	—	—	66	163	82	37
Nigeria—						
Tantalite	—	5	9	15	13	24
Columbite	1,855	2,524	3,047	2,406	1,145	737
Sierra Leone—						
Columbite	—	5	4	—	—	—
South West Africa—						
Tantalite	6	16	2	3	7	10
Southern Rhodesia—						
Columbite	4	6	8	2	—	—
Tantalum concentrates	17	5	4	19	31	55
Uganda—						
Tantalite and columbite	11	14	14	4	2	4
Union of South Africa—						
Tantalite	11	7	8	—	1	7
British Guiana—						
Columbite	5	—	3	—	—	—
Malaya (b)—						
Columbite	20	113	187	184	102	311
Australia (a)—						
Tantalite and columbite	15	69	47	41	30	5
OTHER COUNTRIES						
Portugal—						
Tantalite and columbite	108	83	79	31	49	49
Belgian Congo—						
Tantalite and columbite	360	565	651	606	348	480
Tantaliferous slag ..	626	2,811	1,427	733	583	1,126
French Equatorial Africa—						
Tantalite and columbite	<i>n.a.</i>	1	3	—	—	—
Madagascar—						
Columbite	5	6	22	12	6	6
Mozambique—						
Columbite	23	42	32	18	70	199
United States—						
Tantalum concentrates	9	—	—	1	—	3
Niobium concentrates..	—	(192lb.)	3	5	26	24
Tantalum metal, etc. ..	<i>n.a.</i>	<i>n.a.</i>	(3,390lb.)	(1,721lb.)	(4,877lb.)	(13,476lb.)
Niobium metal, etc. ..	(9lb.)	(86lb.)	—	—	(21lb.)	(87lb.)
Tantalum powder ..	(62lb.)	(110lb.)	(594lb.)	(6,080lb.)	(5,977lb.)	(5,773lb.)
Bolivia—						
Columbite	3	<i>n.a.</i>	1	—	—	—
Brazil—						
Tantalite	18	48	57	93	91	95
Columbite	30	119	106	79	30	71
French Guiana—						
Tantalite and columbite	6	13	9	6	1	—

Niobium concentrates were exported from Norway but figures are not separately recorded.

(a) Years ended June 30 of that stated.

 (b) In addition tin-smelters' slag containing 5% combined oxides of tantalum and niobium was exported as follows: 1953—19,269; 1954—1,800; 1955—Nil; 1956—*n.a.*; 1957—*n.a.*; 1958—*n.a.*

IMPORTS OF TANTALUM AND NIOBIUM MINERALS, ETC.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Tantalite and columbite	344	272	268	744	438	386
Tantalum powder, sheet, etc.	(373lb.)	(494lb.)	(1,632lb.)	(4,353lb.)	(5,365lb.)	(3,680lb.)
OTHER COUNTRIES						
France—						
Tantalite and columbite	n.a.	n.a.	n.a.	64	24	43
Germany (Federal)—						
Tantalite	6	98	2	1	33	} 160
Columbite	2	91	142	261	159	
United States—						
Tantalite	339	437	852	586	370	462
Columbite	1,869	3,038	4,291	2,544	1,495	1,141
Tantalum metal	—	—	(620lb.)	(5,514lb.)	(2,430lb.)	(239 lb.)
Niobium metal (a)	—	—	(325lb.)	(15,144lb.)	(4,061lb.)	(5,458 lb.)
Japan—						
Columbite	n.a.	n.a.	n.a.	3	77	6

(a) As recorded in official trade returns. According to U.S. Bureau of Mines includes ferro-alloy.

TIN
PRODUCTION OF TIN ORE
(Metal content)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain	938	920	1,037	1,066	1,080	1,116
Nigeria	8,228	7,926	8,159	9,067	9,534	6,154
Northern Rhodesia	7	1	—	—	—	—
Southern Rhodesia	29	14	209	354	283	536
South West Africa	(a) 165	(a) 367	407	475	636	155
Swaziland	36	35	27	29	25	15
Tanganyika	48	37	40	15	14	19
Uganda	90	83	59	r 25	41	37
Union of South Africa	1,361	1,315	1,283	1,442	1,463	1,416
Canada (b)	287	r 146	220	337	317	321
Malaya	56,254	60,690	61,244	62,296	59,293	38,458
Australia	1,553	2,075	2,017	2,078	1,952	2,242
TOTAL	68,996	r 73,609	74,702	r 77,184	74,638	50,469
OTHER COUNTRIES						
France	493	525	450	400	429	—
Germany (Eastern)	563	669	669	660	670	(e) 720
Portugal	1,367	1,283	r 1,445	1,276	1,127	1,249
Spain	1,241	1,020	r 728	540	505	528
Belgian Congo	15,293	15,084	15,303	14,764	14,281	11,214
Cameroon (French)	86	82	85	85	74	75
Egypt	—	5	—	—	—	—
French West Africa	92	71	47	56	50	62
Morocco	9	5	14	5	8	6
Mexico	476	349	605	501	474	544
United States	56	205	99	—	—	—
Argentina	r 154	r 95	r 89	r 85	182	179
Bolivia (c)	34,825	r 27,284	27,921	r 26,842	27,796	17,731
Brazil	209	167	146	r 175	293	(e) 180
Peru	—	—	—	3	12	30
Burma	1,361	800	1,114	785	694	(e) 1,200
China (d) (e)	6,300	7,500	r 12,000	r 14,000	16,000	18,000
Indonesia	r 33,820	r 35,860	33,366	r 30,054	27,721	23,200
Japan	737	716	896	926	949	1,108
Laos	r 264	110	253	240	274	(e) 480
Thailand	10,126	9,776	11,022	12,481	13,528	7,726
Total*	107,000	101,600	r 106,000	r 104,000	105,000	84,000
WORLD'S TOTAL*	176,000	175,200	r 181,000	r 181,000	180,000	134,000

* Excluding tin ore known to have been produced in Czechoslovakia, the U.S.S.R. and Vietnam.

(a) Estimated.

(b) Tin in concentrates exported and in tin-lead alloy.

(c) Content of ore plus metal exported.

(d) Smelter.

(e) Estimated by International Tin Council.

SMELTER PRODUCTION OF TIN

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	28,860	27,475	27,241	26,434	34,174	32,551
Southern Rhodesia ..	27	19	22	17	253	503
Union of South Africa ..	828	752	779	756	825	901
Malaya	62,410	71,163	70,632	73,263	71,289	45,336
Australia	1,443	2,063	2,004	1,850	1,806	2,121
TOTAL	93,568	101,472	100,678	102,320	108,347	81,412
OTHER COUNTRIES						
Belgium	9,039	11,377	10,432	10,288	9,011	9,304
Germany—						
Federal Republic ..	694	—	r 281	r 683	955	646
Eastern	480	600	605	600	600	(b) 600
Netherlands	26,950	28,442	26,566	28,197	29,259	17,098
Portugal	472	664	1,018	1,127	1,072	1,259
Spain	r 726	r 652	r 748	r 453	441	438
Belgian Congo	2,715	2,459	3,034	2,772	3,105	2,642
Morocco	—	8	8	(b) 12	(b) 12	(b) 12
Mexico	(b) 240	(b) 300	(b) 240	240	207	(b) 371
United States	37,562	27,407	22,329	17,631	1,564	(b) 5,250
Argentina	130	60	99	61	39	(b) 120
Bolivia (a)	174	196	107	404	204	682
Brazil	553	1,850	1,184	r 1,544	1,401	(b) 1,800
China (b)	6,300	7,500	r 12,000	r 14,000	16,000	18,000
Indonesia	644	1,351	r 1,958	r 300	322	(b) 600
Japan	807	828	981	1,104	1,213	1,260
TOTAL*	r 87,500	83,700	r 82,000	r 79,000	65,000	60,000
WORLD'S TOTAL* ..	r 181,100	185,200	r 183,000	r 181,000	173,000	141,000

* Excluding tin metal known to have been produced in Czechoslovakia and the U.S.S.R.

In addition secondary tin recovered in the United States (as metal, in alloys, and in chemical compounds) was as follows:

	Long tons			Long tons	
1953	27,602		1956	29,440	
1954	26,190		1957	24,262	
1955	28,342		1958	22,803	

(a) Exports.

(b) Estimated by International Tin Council.

EXPORTS OF TIN
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Blocks, ingots, bars and slabs	13,759	8,118	8,456	7,267	7,332	9,240
Soft solder	1,768	1,971	2,402	2,016	2,053	2,203
Tin-foil	52	71	88	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Nigeria—						
Ore	12,136	10,309	11,399	13,364	13,577	7,626
Southern Rhodesia—						
Ore and concentrates ..	22	(<i>d</i>) 2	(<i>d</i>) 33	(<i>d</i>) 177	(<i>d</i>) 112	(<i>d</i>) 191
Blocks, ingots and bars ..	4	(<i>d</i>) —	(<i>d</i>) 10	(<i>d</i>) 120	(<i>d</i>) 155	(<i>d</i>) 383
South West Africa—						
Ore	(<i>b</i>) 183	406	332	524	664	271
Tanganyika—						
Ore and concentrates ..	68	44	53	26	18	28
Uganda—						
Ore	125	126	94	45	51	59
Union of South Africa—						
Concentrates	904	1,259	1,410	1,990	1,225	1,239
Middlings	—	551	964	—	—	—
Canada—						
Concentrates (<i>Sn content</i>)	<i>r</i> 322	<i>r</i> 164	<i>r</i> 246	378	355	359
Hong Kong (re-exports)—						
Ingots	56	15	16	15	47	697
India—						
Crude and scrap	744	607	5	479	40	40
Malaya—						
Ore	61	160	48	—	—	—
Ingots, blocks, bars, slabs	61,752	70,280	71,161	73,279	70,604	45,814
Australia (<i>c</i>)—						
Ore and concentrates ..	17	26	36	123	60	133
(<i>Sn content</i>)	586	49	296	50	50	63
Ingots, etc.						
OTHER COUNTRIES						
Belgium-Luxemburg E.U.—						
Crude	9,029	11,352	10,867	9,811	9,459	8,916
Scrap	49	20	37	146	92	102
Bars, sheets and wire ..	—	1	—	—	—	—
Denmark—						
Crude	64	11	21	28	17	18
do. (alloys)	2,995	4,592	5,849	6,012	6,204	4,721
Scrap	1	—	45	70	2	—
France—						
Ore	147	465	749	638	707	41
Crude	196	117	67	14	22	26
do. (alloys)	338	356	339	291	150	112
Scrap	—	9	—	—	—	—
Bars, sheets and wire (<i>a</i>)	31	45	36	128	236	287
Germany (Federal)—						
Crude and scrap (<i>a</i>) ..	1,789	2,292	2,040	2,015	1,643	3,844
Sheets and wire	3	2	2	1	4	(<i>a</i>) 92
Tin-foil	5	11	4	7	15	21

(a) Including alloys.

(b) Includes tin-tungsten ore.

(c) Years ended June 30 of that stated.

(d) Federation of Rhodesia and Nyasaland.

EXPORTS OF TIN (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Italy—						
Ingots (c)	25	18	19	8	49	16
Netherlands—						
Crude	29,277	28,441	26,002	25,650	29,425	24,779
Sheets, wire, etc. ..	1	5	6	9	5	3
Norway—						
Bars, sheets and wire ..	202	196	169	244	281	222
Portugal—						
Ore	1,096	735	317	116	156	44
Bars	10	161	19	64	20	86
Spain—						
Ingots and bars ..	394	—	394	197	—	—
Sweden—						
Crude and scrap ..	33	87	36	76	16	179
Switzerland—						
Pigs, bars, slabs, sheets, etc.	14	14	23	22	7	57
Tin-foil	2	3	2	2	3	2
Scrap	106	167	151	227	207	213
U.S.S.R.—						
Crude (a)	<i>n.a.</i>	<i>n.a.</i>	2,100	3,200	18,000	21,900
Algeria—						
Ingots, scrap and alloys	33	20	24	20	14	8
Belgian Congo—						
Ore	20,099	14,995	17,026	r 15,650	16,186	9,803
Ingots	2,858	2,340	2,582	2,675	2,791	2,539
Cameroon (French)—						
Ore	59	118	177	221	59	118
French West Africa—						
Ore	151	90	70	77	71	84
Mexico—						
Ores and concentrates	163	20	25	4	—	<i>n.a.</i>
United States						
Ingots, pigs, etc. ..	128	271	254	r 439	1,112	917
Scrap (c)	5,074	8,119	6,048	4,092	9,393	2,119
Tubes, sheets, etc. ..	42	30	62	217	85	172
Bolivia—						
Ores, concentrates, etc. (Sn content)	34,651	27,283	27,814	26,421	27,555	17,023
Metal	174	196	107	404	204	682
Peru—						
Bars, impure (Sn content) ..	23	2	—	—	—	<i>n.a.</i>
Burma—						
Ore and concentrates (Sn content) ..	r 931	r 856	r 739	r 895	987	1,328
China—						
Ingots and slabs (b) ..	4,380	5,100	r 16,700	r 15,500	22,000	22,000
Indonesia—						
Ore	46,218	46,996	44,198	43,239	37,572	25,207
<i>Sn content</i>	32,215	33,941	31,768	31,159	27,375	18,346
Metal	223	994	196	717	84	215
Laos—						
Ore (Sn content) ..	217	7	35	180	349	455
Thailand—						
Ore (Sn content) ..	10,191	9,518	11,039	12,424	13,345	6,498

(a) May include some foreign produce.

(b) Estimated.

(c) Including alloys.

IMPORTS OF TIN
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	62,363	58,209	61,159	56,911	81,896	64,895
Blocks, ingots, bars, slabs and soft solder	354	1,949	755	1,116	9,567	12,070
Ghana—						
Unwrought and bars, rods, sheets, etc. ..	<i>n.a.</i>	47	32	10	14	30
Kenya—						
Unwrought, scrap and solder	91	91	170	120	83	94
Bars, plates and sheets ..	10	—	—	—	—	—
Mauritius—						
Ingots, sheets, etc. ..	26	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	<i>n.a.</i>	90	448	436	53	29
Southern Rhodesia—						
Blocks, ingots and bars	59	(c) 33	(c) 11	(c) 13	(c) 22	(c) 8
Tanganyika—						
Unwrought, scrap and solder	27	64	85	93	65	69
Bars, plates and sheets ..	5	—	—	—	—	—
Uganda—						
Unwrought, scrap and solder	20	15	28	20	22	42
Union of South Africa—						
Blocks, ingots, bars and rods	183	315	480	917	1,136	1,037
Tin-foil	10	5	4	1	1	2
Canada—						
Blocks, pigs and bars ..	3,702	3,836	4,318	3,774	4,155	3,461
Tin-foil	7	13	16	7	7	9
Aden—						
Bars, sheets, wire, etc... (d)	5	—	561	55	463	392
Ceylon—						
Ingots, slabs, etc. ..	5	34	9	4	11	9
Tin solder	40	37	44	153	38	37
Cyprus—						
Ingots and bars ..	10	8	10	10	14	8
Hong Kong (a)—						
Slabs and ingots ..	176	124	134	142	168	1,170
India—						
Blocks, ingots, bars and slabs	2,938	3,775	3,640	4,181	4,717	4,659
Malaya (a)—						
Ore	8,648	13,312	15,011	14,968	19,394	11,213
Bars, sheets, wire, etc... (d)	38	356	24	10	9	2
Pakistan—						
Blocks, ingots, bars and slabs	(e) 181	(e) 64	(e) 113	r 408	802	142
Australia (b)—						
Ingots	156	844	579	517	830	1,110
Leaf and foil	4	19	17	16	10	13
New Zealand—						
Ingots, etc.	337	448	420	401	363	384

(a) Total imports.

(b) Years ended June 30 of that stated.

(c) Federation of Rhodesia and Nyasaland.

(d) Excess of re-exports.

(e) Years ended March 31 following that stated.

IMPORTS OF TIN (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
Irish Republic—						
Ingots, bars, slabs, etc. (b)	56	77	81	60	62	64
Soft solder	68	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
Austria—						
Crude and alloys	340	532	523	526	543	514
Belgium-Luxemburg						
E.U.—						
Ore	14,319	14,772	13,700	13,869	14,087	10,222
Crude	1,410	1,920	2,147	2,538	2,493	2,451
Scrap	—	—	18	2	19	8
Bars, sheets and wire	1	—	1	—	—	—
Denmark—						
Crude	2,750	3,968	5,031	4,831	5,042	3,262
do. (alloys)	1,198	267	830	403	308	1,035
Scrap	496	1,161	1,571	1,891	1,582	620
Sheets, wire, etc.	51	53	49	53	60	79
Tin-foil	7	37	39	38	49	75
Finland—						
Ingots and bars	275	511	498	493	438	266
France—						
Crude	6,976	8,654	9,455	10,364	11,217	12,794
do. (alloys)	38	65	30	120	59	26
Scrap	38	74	52	98	97	44
Sheets, bars, wire	1	2	22	2	3	1
Germany (Federal)—						
Ore	794	—	2,022	3,454	9,219	5,514
Crude and scrap (b)	5,893	7,567	8,596	8,786	10,231	11,735
Greece—						
Crude	141	192	198	187	227	229
Hungary—						
Crude	527	859	850	878	1,136	761
Italy—						
Ingots	1,999	2,561	2,988	3,596	3,441	3,396
do. (alloys)	59	94	143	102	120	216
Scrap	6	3	5	—	5	5
Netherlands—						
Ore	35,937	38,658	33,197	40,236	40,773	20,214
Crude	5,100	3,439	817	1,654	4,588	9,155
Norway—						
Crude	282	309	349	383	351	332
Bars, sheets, filings, etc.	47	98	91	144	107	116
Portugal—						
Sheets, wire, etc.	1	1	1	1	1	1
Spain—						
Ingots and bars	56	99	61	45	237	41
Sweden—						
Crude	491	900	929	947	799	1,280
Switzerland—						
Pigs, bars and slabs	525	712	698	884	1,011	919
Sheets, wire, foil, etc.	6	5	5	5	5	4
U.S.S.R. (a)—						
Crude	<i>n.a.</i>	<i>n.a.</i>	16,600	15,500	21,700	19,100
Yugoslavia—						
Ingots	504	385	550	942	1,585	777
Algeria—						
Crude, sheets, etc. (b)	209	205	176	155	219	260
Egypt—						
Crude and scrap	227	229	258	257	543	1,062
Madagascar—						
Crude	47	23	16	21	4	4

(a) Total imports.

(b) Including alloys.

IMPORTS OF TIN (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Morocco—						
Ingots, etc.	198	305	198	211	216	221
Mozambique—						
Bars, sheets, etc.	10	4	3	21	22	15
Sudan—						
Unwrought incl. scrap	15	18	14	16	20	28
Tunisia—						
Pigs, bars and sheets	46	41	41	63	45	63
Cuba (a)—						
Ingots	27	44	44	51	69	n.a.
Bars, sheets, etc.	25	26	35	30	46	n.a.
Mexico (a)—						
Ingots	115	410	465	462	518	753
United States—						
Ore (<i>Sn content</i>)	35,973	22,140	20,122	16,688	94	5,440
Blocks, pigs, bars, etc.	74,570	60,599	64,815	62,590	56,183	41,149
Scrap	162	27	20	—	249	2
Argentina—						
Ingots and bars	314	2,532	2,263	74	2,662	1,490
Brazil (a)—						
Ore	60	84	2,046	1,674	2,354	327
Ingots and bars	448	337	68	419	766	24
Colombia—						
Ingots, etc.	36	34	46	71	72	55
Chile—						
Ore	64	103	116	n.a.	n.a.	n.a.
Ingots	412	406	400	400	523	100
Bars and sheets	1	—	—	n.a.	n.a.	n.a.
Peru—						
Ingots, bars and scrap	39	51	70	94	61	n.a.
Uruguay—						
Ingots, etc.	71	n.a.	n.a.	n.a.	157	35
Venezuela (a)—						
Crude	105	172	95	135	173	239
Formosa—						
Ingots and slabs	130	262	103	181	130	123
Iran (b)—						
Ingots, etc.	205	118	n.a.	82	154	n.a.
Iraq—						
Ingots	25	83	58	11	24	n.a.
Israel—						
Ingots, blocks and slabs	54	155	111	91	101	104
Japan—						
Ore and concentrates	n.a.	n.a.	64	316	325	200
Ingots and slabs	4,973	5,046	5,683	7,298	7,102	7,360
Lebanon—						
Crude	16	7	15	7	11	2
Philippine Republic—						
Ingots	93	111	140	128	101	136
Syria—						
Crude and scrap	90	24	161	86	54	57
Turkey—						
Ingots, bars and sheets	1,133	514	665	645	471	567

(a) Total imports.

(b) Years ended March 20 of year following that stated.

TITANIUM MINERALS
PRODUCTION OF TITANIUM MINERALS

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Gambia (a)—						
Ilmenite	—	1,086	—	—	13,917	28,896
Rutile	—	—	—	—	—	467
Union of South Africa—						
Ilmenite	—	—	1,712	1,656	2,786	(e) 26,811
Rutile	9	—	—	—	—	493
Canada (shipments) (b)—						
Ilmenite	119,506	277,246	397,888	562,424	736,100	407,246
India—						
Ilmenite	215,259	240,513	250,774	335,590	296,000	309,161
Rutile	104	104	149	541	473	449
Malaya (a)—						
Ilmenite ("Amang") ..	26,570	44,745	53,875	122,176	91,734	74,827
Australia—						
Ilmenite concentrates ..	(c) 7,815	(c) 8,930	(c) <i>n.a.</i>	4,274	71,115	70,208
Rutile concentrates ..	38,039	44,659	59,613	96,816	128,903	80,333
OTHER COUNTRIES						
Finland—						
Ilmenite concentrates ..	3,099	49,790	83,632	101,290	104,079	104,807
Norway—						
Ilmenite	126,090	146,829	155,340	187,494	206,869	208,617
Rutile (d)	3	—	9	24	20	—
Portugal—						
Ilmenite	666	503	774	606	346	452
Tin-titanium ore	25	8	48	21	—	—
Spain—						
Ilmenite	1,412	1,247	6,596	5,324	8,747	15,673
Cameroon (French)—						
Rutile	52	—	99	150	39	—
Egypt—						
Ilmenite	1,715	221	2,406	r 4,060	(f) 3,300	(f) 3,300
French West Africa—						
Ilmenite	5,677	11,200	22,883	19,800	36,268	33,000
Rutile	—	—	—	580	205	1,033
Madagascar—						
Rutile	—	—	—	2	—	—
Mozambique—						
Rutile	2	—	—	<i>n.a.</i>	<i>n.a.</i>	—
Mexico—						
Ilmenite	—	—	11	—	—	148

(a) Exports.

(b) Production of titanium dioxide slag (approx. 70% TiO₂) at Sorel was as follows (long tons): 1953—125,886; 1954—109,786; 1955—145,343; 1956—195,156; 1957—231,179; 1958—148,864.

(c) Owing to high chromium and low titanium oxide content sales were as follows (long tons): 1953—nil; 1954—469; 1955—535.

(d) Ore and concentrates.

(e) Including 269 long tons of mixed concentrates.

(f) United States Bureau of Mines' estimate.

TITANIUM MINERALS
PRODUCTION OF TITANIUM MINERALS (cont.)

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
United States (b)—						
Ilmenite	458,657	489,028	520,575	611,568	676,054	502,980
Rutile	6,094	6,617	7,601	10,712	9,555	6,612
Brazil—						
Ilmenite	—	—	—	—	—	5,081
Rutile	(a) —	130	156	302	241	240
Japan (c)—						
Ilmenite	3,050	4,415	9,246	16,902	13,402	5,247
Thailand—						
Ilmenite	—	—	—	344	1,821	(d) 1,000
WORLD'S TOTAL—						
Ilmenite	969,500	1,275,800	1,508,000	1,974,000	2,263,000	1,797,000
Rutile	44,300	51,400	67,500	109,100	139,400	89,600

(a) Exports.

(b) Production of metal (commercial titanium sponge) was as follows (long tons): 1953—2,001; 1954—4,795; 1955—6,605; 1956—13,031; 1957—15,401; 1958—4,094.

(c) Production of metal (commercial titanium sponge) was as follows (long tons): 1953—69; 1954—601; 1955—1,230; 1956—2,472; 1957—3,029; 1958—1,630.

(d) United States Bureau of Mines' Estimate.

EXPORTS OF TITANIUM MINERALS, ETC.
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ferro-titanium	366	304	308	662	393	348
Gambia—						
Ilmenite	—	1,086	—	—	13,917	28,896
Rutile	—	—	—	—	—	467
Union of South Africa—						
Ilmenite	—	—	1,687	879	2,645	15,741
Canada—						
Ilmenite	4,224	1,073	1,307	2,050	9,616	—
Titanium dioxide slag (70% TiO ₂)	129,823	106,511	154,381	180,246	199,179	100,371
Hong Kong (re-exports)—						
Titanium oxide	234	456	61	108	88	142
India—						
Ilmenite	160,993	185,153	246,196	283,201	347,212	283,667
Rutile sand	104	104	<i>n.a.</i>	<i>n.a.</i>	300	—
Malaya—						
Ilmenite ("Amang")	26,570	44,745	53,874	122,176	91,733	74,826
Australia—						
Rutile	36,076	44,417	59,687	89,887	119,052	75,615
Ilmenite	93	171	434	1,130	37,811	56,243
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Titanium white	108	196	125	675	458	655
Finland—						
Ilmenite	—	25,481	57,802	106,468	101,471	95,409
France—						
Titanium oxide, etc.	964	345	447	210	171	156
Germany (Federal)—						
Titanium oxide	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	34,493
Italy—						
Titanium oxide	2,584	1,633	1,882	4,432	5,374	5,262
Norway—						
Ilmenite (a)	120,331	146,753	163,943	182,607	202,184	224,538
Rutile	7	19	9	19	9	2
Portugal—						
Ilmenite	—	541	1,838	615	364	101
Sweden—						
Titanium minerals	405	196	282	612	185	15
Titanium white	3	5	140	759	283	24
Yugoslavia—						
Titanium oxide	<i>n.a.</i>	<i>n.a.</i>	98	134	24	—
Cameroon (French)—						
Rutile	84	204	45	209	15	33
French West Africa—						
Ilmenite	3,804	11,556	19,290	19,573	36,040	28,610
Rutile	—	—	—	561	76	905
United States						
Ores and concentrates	1,221	592	1,021	1,641	1,803	1,112
Titanium metal (b)	29	196	40	512	759	360
Ferro-titanium	165	153	219	325	327	288
Titanium oxide and pigments	35,518	56,966	48,530	57,827	47,285	33,050
Brazil—						
Titanium minerals	—	—	—	5	—	—
Japan—						
Titanium sponge metal	44	422	1,097	2,485	2,441	1,947
Titanium oxide	350	3,367	7,747	9,433	14,320	13,647

(a) Ilmenite is not recorded separately. The figures refer to exports of "Other ores" which are mainly ilmenite.

(b) Including alloys and scrap.

IMPORTS OF TITANIUM MINERALS, ETC.
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ilmenite	93,837	145,736	192,146	204,237	255,412	256,899
Rutile	7,463	7,596	12,539	10,502	11,840	12,281
Titanium sponge	<i>n.a.</i>	<i>n.a.</i>	132	—	—	—
Other titanium metal	<i>n.a.</i>	<i>n.a.</i>	34	9	9	7
Titanium oxide	922	5,863	4,374	3,455	6,569	154
Canada—						
Titanium oxide, etc.	28,482	28,666	31,963	33,815	30,567	26,285
Hong Kong (a)—						
Titanium oxide	329	1,231	1,009	2,019	1,156	2,013
India—						
Rutile	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	155	193
Titanium oxide	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	543	797
Australia (c)—						
Ilmenite	(b) 7,500	7,054	16,146	10,346	3,694	—
Titanium white and oxide	1,591	6,844	6,811	6,628	7,383	7,482
New Zealand—						
Titanium white	1,390	2,414	2,639	2,412	2,487	4,484
OTHER COUNTRIES						
Austria—						
Titanium white	799	1,199	1,372	1,527	1,909	2,086
Belgium-Luxemburg E.U.—						
Ferro-titanium	<i>n.a.</i>	44	45	48	53	35
Titanium white	2,843	3,919	4,393	6,184	5,596	6,367
Denmark—						
Titanium white	<i>n.a.</i>	2,014	2,514	605	387	430
Finland—						
Titanium white	1,654	3,436	4,108	4,092	2,433	3,515
France—						
Titanium minerals	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	23,524	42,241	46,294
Titanium oxide, etc.	1,976	3,089	3,468	6,046	7,018	4,873
Germany (Federal)—						
Ilmenite	67,252	89,698	114,584	143,134	158,167	197,000
Rutile	2,938	5,833	9,595	10,173	19,635	8,707
Titanium oxide	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,765
Iceland—						
Titanium white	235	250	121	212	161	195
Italy—						
Titanium minerals	19,176	19,670	22,920	32,807	58,951	41,214
Ferro-titanium	79	36	101	209	146	282
Titanium oxide	1,093	1,151	1,215	2,421	2,556	3,774
Netherlands—						
Ferro-titanium	<i>n.a.</i>	14	18	22	39	32
Titanium white	4,572	6,629	8,540	9,384	12,573	11,589
Portugal—						
Ilmenite	11	1	30	—	—	—
Rutile	22	97	107	74	239	199
Titanium oxide	154	226	337	405	595	703
Sweden—						
Titanium minerals	2,906	1,745	3,370	5,121	4,487	4,475
Titanium white	3,723	5,549	5,867	6,822	6,916	7,231
Yugoslavia—						
Rutile	<i>n.a.</i>	30	110	101	293	256
Titanium oxide	<i>n.a.</i>	188	209	373	<i>n.a.</i>	—
Belgian Congo—						
Titanium oxide	37	48	20	428	337	442

(a) Total imports.

(b) Calendar year. Estimated.

(c) Years ended June 30 of that stated.

IMPORTS OF TITANIUM MINERALS, ETC. (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Tunisia—						
Titanium oxide ..	5	12	18	29	170	63
Mexico (a)—						
Titanium oxide ..	1,608	2,216	2,323	4,317	3,296	3,587
United States—						
Ilmenite (b)	255,932	245,540	315,492	320,786	411,029	310,843
Rutile	14,373	13,361	17,434	43,666	75,747	32,646
Titanium metal ..	32	172	506	1,828	3,154	1,851
Ferro-titanium ..	154	4	28	101	114	90
Titanium compounds ..	80	5	151	619	60	633
Argentina—						
Titanium oxide ..	23	1,151	1,656	3,329	2,543	3,497
Brazil (a)—						
Titanium oxide ..	700	2,842	1,732	2,527	2,434	2,504
Chile—						
Titanium white ..	293	510	555	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Colombia—						
Titanium white ..	473	652	972	1,296	1,560	848
Peru—						
Titanium oxide ..	200	306	351	412	28	<i>n.a.</i>
Venezuela (a)—						
Titanium oxide ..	547	1,286	<i>n.a.</i>	1,383	1,541	1,843
Japan—						
Ilmenite	21,868	28,640	49,534	64,840	94,549	58,950
Titanium oxide ..	891	638	465	878	333	61

(a) Total imports.

 (b) Including titanium dioxide slag (70% TiO₂) imported from Canada.

TUNGSTEN
PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES

Long tons

Producing Country and Description	Estimated WO ₃ Content											
	1953	1954	1955	1956	1957	1958	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES												
Great Britain—												
Concentrates ..	53	80	62	52	49	2	38	54	43	36	30	1
Nigeria—												
Concentrates ..	17	1	1	5	—	—	11	1	1	3	—	—
South West Africa—												
Wolfram ..	135	89	109	132	35	13	78	53	71	86	25	8
Scheelite ..	1	4	1	2	4	—	1	3	1	1	3	—
Tin-wolfram concentrates	(a) 102	358	401	579	722	101	9	101	80	121	137	12
Southern Rhodesia—												
Concentrates ..	346	231	202	236	148	85	249	166	145	170	107	61
Tanganyika—												
Wolfram ..	34	9	22	18	3	—	19	5	14	11	2	—
Uganda—												
Wolfram ..	159	149	144	170	190	47	108	100	101	109	124	31
Union of South Africa—												
Concentrates ..	376	542	577	271	234	55	228	362	381	157	155	36
Tin-scheelite concentrates	—	—	—	—	n.a.	n.a.	—	—	—	—	10	12
Canada (b)—												
Concentrates ..	2,816	1,445	1,453	1,519	1,337	456	1,092	969	867	1,014	858	308
Hong Kong—												
Wolfram ..	140	27	23	24	36	38	91	17	15	16	23	25
India—												
Concentrates ..	15	1	—	2	1	—	9	1	—	1	1	—
Malaya—												
Wolfram ..	99	54	56	47	30	33	70	37	39	32	20	22
Scheelite ..	30	45	50	44	19	12	20	33	38	33	14	9
Australia—												
Wolfram ..	1,008	722	788	877	657	528	672	511	522	592	459	379
Scheelite ..	1,185	1,331	1,449	1,495	1,449	732	729	861	960	990	950	478
New Zealand—												
Scheelite ..	39	28	30	28	31	3	25	18	20	18	20	2
TOTAL							3,449	3,292	3,298	3,390	2,938	1,384

(a) Estimated. (b) Shipments (chiefly scheelite).

PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES (cont.)

Long tons

Producing Country and Description	Estimated WO ₃ Content						1958
	1953	1954	1955	1956	1957	1958	
OTHER COUNTRIES							
Austria—							
Ore	—	—	—	—	—	—	180
Finland—							
Concentrates	20	108	113	58	—	—	213
France—							
Concentrates	1,085	902	1,142	1,091	895	912	591
Italy—							
Concentrates	27	32	26	24	17	9	5
Norway—							
Wolftram	8	—	—	—	—	—	—
Portugal—							
Scheelite	256	190	369	242	252	83	54
Wolftram	4,054	3,670	3,513	4,245	3,668	1,654	1,076
Tin-tungsten ores	770	866	884	135	—	—	—
Spain—							
Concentrates	2,681	2,394	1,425	1,117	1,196	839	529
Tin-tungsten concentrates	522	870	541	331	n.a.	n.a.	—
Sweden—							
Concentrates	530	487	462	454	476	n.a.	308
Algeria	45	—	—	—	—	—	—
Belgian Congo—							
Concentrates	817	1,016	1,084	1,261	1,165	890	579
Tin-tungsten ore	1,018	1,119	1,072	1,017	841	775	135
Egypt—							
Concentrates	12	4	2	—	—	—	—
French West Africa—							
Concentrates	3	2	1	—	—	—	—
Tin-tungsten concentrates	13	5	3	—	—	—	—
Morocco							
Ore	18	16	—	4	—	—	—
Mexico	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	—
United States—							
Concentrates	8,687	12,351	14,854	13,848	7,535	(a) 3,382	2,029
Argentina—							
Concentrates	533	900	900	1,003	1,119	n.a.	592

(a) Shipments from mine.

PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES (cont.)

Long tons

Producing Country and Description	Estimated WO ₃ Content					
	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Bolivia (a)— Concentrates ..	3,676	n.a.	n.a.	n.a.	n.a.	n.a.
Brazil— Scheelite ..	1,542	1,298	956	1,284	1,007	2,093
Peru— Concentrates ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Burma— Tungsten concentrates ..	701	443	578	501	382	201
Tin-wolfram concentrates	1,828	1,070	1,835	1,956	1,986	1,172
China— Concentrates (b) ..	20,000	20,000	20,000	20,000	22,000	n.a.
Japan— Concentrates ..	1,020	1,111	783	996	886	672
Korea— South— Concentrates ..	r 7,323	r 3,768	3,096	r 3,683	3,765	2,964
North— Concentrates (b) ..	1,200	1,200	1,200	1,200	3,000	3,000
Thailand— Concentrates ..	1,595	1,087	1,127	1,162	893	592
Turkey— Ore (c) ..	—	246	1,547	n.a.	n.a.	n.a.
TOTAL*						
WORLD'S TOTAL*	40,000	39,100	37,200	40,300	35,000	28,000
	40,000	39,100	40,500	40,300	38,000	29,000

* Excluding tungsten ores produced in the U.S.S.R. and Yugoslavia.

(a) Exports.

(b) Estimated.

(c) Run-of-mine.

EXPORTS OF TUNGSTEN, ETC.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Tungsten ore	71	14	8	38	5	5
Ferro-tungsten	133	398	587	1,161	561	993
Tungsten metal etc.	56	42	114	86	54	44
Nigeria—						
Tungsten ore	14	7	3	5	1	—
Southern Rhodesia—						
Tungsten ores	346	243	237	196	104	62
South West Africa—						
Tungsten ore	176	177	71	114	48	—
Tin-tungsten ore	(c)	—	400	586	670	126
Tanganyika—						
Wolfram ore	30	12	23	15	—	—
Uganda—						
Wolfram ore	151	152	150	163	190	27
Union of South Africa—						
Tungsten ore	192	543	460	612	162	—
Canada—						
Tungsten ore	<i>n.a.</i>	<i>n.a.</i>	1,651	1,480	1,383	459
Hong Kong (b)—						
Tungsten ore	149	26	18	11	4	15
Malaya (b)—						
Wolfram	129	52	62	59	39	37
Scheelite	32	53	51	35	4	5
Australia (a)—						
Wolfram ores and concentrates	1,182	1,044	795	1,226	801	387
(WO ₃ content)	<i>n.a.</i>	663	533	787	547	277
Scheelite ores and concentrates	935	1,133	1,294	1,151	1,267	1,149
(WO ₃ content)	<i>n.a.</i>	705	764	779	835	757
New Zealand—						
Scheelite	45	41	20	40	15	11
OTHER COUNTRIES						
France—						
Tungsten ore	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	504	463	233
Tungsten metal, etc.	17	6	9	9	12	15
Germany (Federal)—						
Tungsten metal, etc.	46	142	129	174	200	198
Portugal—						
Tungsten ore	3,797	2,972	4,113	3,867	2,691	1,365
do. residues	12	815	292	437	52	—
Ferro-tungsten	232	161	329	365	216	61
Spain—						
Tungsten ore	2,746	2,513	1,906	1,502	530	744
Sweden—						
Ore	39	103	142	67	117	240
Ferro-tungsten	93	173	110	59	48	64
Algeria—						
Tungsten ore	59	—	—	1	—	—
Belgian Congo—						
Tungsten ores	1,007	1,174	1,491	1,493	1,042	1,150
Egypt—						
Tungsten ore	19	<i>n.a.</i>	—	17	<i>n.a.</i>	<i>n.a.</i>
Morocco—						
Tungsten ore	39	12	6	—	—	<i>n.a.</i>

(a) Years ended June 30 of that stated.

(b) Including re-exports.

(c) Included with tin ore. See page 338.

EXPORTS OF TUNGSTEN, ETC. (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Mexico—						
Tungsten ore and concentrates	1,893	950	844	819	253	6
(WO ₃ content)	403	322	336	336	157	4
United States—						
Ore and concentrates	11	35	30	104	146	20
Ferro-tungsten	16	5	1	1	2	1
Tungsten metal, alloys and scrap	91	168	232	294	113	34
Tungsten powder	38	20	47	58	64	58
Argentina—						
Tungsten ore	421	—	746	2,047	1,432	578
Bolivia—						
Tungsten ore	2,259	2,625	3,180	2,815	2,577	1,316
(WO ₃ content)						
Brazil—						
Tungsten ores	1,768	1,248	1,162	1,603	1,632	2,001
Peru—						
Tungsten ore and concentrates (WO ₃ content)	484	510	590	625	477	518
Burma—						
Ore and concentrates	1,855	2,054	990	1,220	1,059	784
Tin-tungsten ores	—	—	1,441	862	615	625
Japan—						
Tungsten ore	50	185	230	40	20	20
Tungsten metal	37	—	60	22	—	—
Ferro-tungsten	—	55	217	60	5	1
Korea—						
Tungsten ore	(a) 5,443	(a) 4,022	(a) 1,959	(a) 2,913	2,421	4,024
Thailand—						
Tungsten ore	1,592	1,339	1,555	970	946	527

(a) Imports into the United States from Korea.

IMPORTS OF TUNGSTEN, ETC.

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Tungsten ores	4,373	3,363	4,836	4,758	4,069	4,288
Tungsten metal etc. ..	3	3	8	6	7	3
Canada—						
Tungsten ore	113	3	41	55	103	395
Ferro-tungsten	28	38	51	92	76	89
Malaya (a)—						
Wolfram	15	—	—	—	—	—
OTHER COUNTRIES						
Austria—						
Tungsten ore	78	504	952	1,232	1,171	1,529
Ferro-tungsten	—	203	270	95	78	—
Belgium-Luxemburg						
E.U.—						
Tungsten ore	172	113	33	—	—	12
Ferro-tungsten	47	40	52	69	31	29
France—						
Tungsten ore	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,505	1,497	1,515
Tungsten metal, etc. ..	2	4	3	5	5	9
Germany (Federal)—						
Tungsten ore	1,003	2,894	3,374	3,731	2,346	3,805
Tungsten metal, etc. ..	119	127	78	212	179	256
Italy—						
Tungsten ore	27	129	113	141	184	72
Tungsten metal, etc. ..	6	8	10	7	14	6
Ferro-tungsten	96	31	100	37	79	40
Netherlands—						
Tungsten ore	43	2	61	33	17	97
Ferro-tungsten	<i>n.a.</i>	5	2	7	1	6
Sweden—						
Tungsten ore	177	413	616	666	840	403
Ferro-tungsten	1	—	49	158	141	62
Yugoslavia—						
Ferro-tungsten	<i>n.a.</i>	<i>n.a.</i>	10	102	47	28
United States—						
Tungsten ore	25,671	20,754	17,276	17,337	11,809	5,359
(WO ₂ content)	15,795	13,615	11,652	11,743	7,891	3,682
Tungsten metal and carbide						
(W content)	30	69	40	17	37	45
Ferro-tungsten	336	276	373	479	225	87
Tungsten ingots, bars, scrap, etc.	56	147	204	292	115	111
Japan—						
Tungsten ore	144	134	158	1,105	2,300	356
Tungsten metal	—	6	2	—	1	—
Ferro-tungsten	1	—	—	—	—	—

(a) Total imports.

URANIUM MINERALS

Statistics of the production of uranium minerals, previously withheld for security reasons, were released for the first time by the major producing countries early in 1957. Complete information for earlier years, however, is still not available.

PRODUCTION OF URANIUM MINERALS

(Metal content)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Northern Rhodesia ..	—	—	—	—	20	38
Union of South Africa ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	3,300	4,300	4,700
£ SA	3,279,672	15,371,468	25,348,233	34,742,644	47,631,855	650,430,000
Canada (a) ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,734	5,024	10,690
£	<i>n.a.</i>	9,660,459	9,466,038	16,629,871	50,859,836	106,310,753
Australia ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	(b) 400	(b) 550
OTHER COUNTRIES						
France ..	—	—	<i>n.a.</i>	(b) 180	(b) 350	(b) 550
Belgian Congo ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	(b) 1,700	1,793
Madagascar (c) ..	—	—	<i>n.a.</i>	<i>n.a.</i>	(b) 40	(b) 55
United States ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	4,500	6,540	9,510
£	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	48,000,000	61,000,000	84,700,000
WORLD'S TOTAL ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	(b) 16,000	(b) 23,000	(b) 35,000

(a) Producers' shipments.

(b) Estimated.

(c) Uranothorianite, containing an average of 12% uranium.

Uranium is known to have been produced in the U.S.S.R., in several Eastern European countries, Portugal, Western Germany, Argentina, Mozambique and elsewhere. An allowance has been made for these countries in the world's total.

EXPORTS OF URANIUM MINERALS, ETC.

(Domestic Produce)

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom— Radium compounds						
<i>Grains</i>	37	266	359	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Union of South Africa— Prescribed minerals						
(a) £ SA	3,873,029	14,835,344	29,959,589	38,695,080	49,988,632	53,661,840
Canada— Ores and concentrates	<i>n.a.</i>	<i>n.a.</i>	9,648,375	16,646,137	47,736,866	73,633,636
OTHER COUNTRIES						
United States— Radium metals (Ra content) Mgrams.	1,056	419	366	—	750	140
Mozambique— Uranium minerals <i>Long tons</i>	31	—	8	16	—	—

(a) Mainly uranium but includes some thorium.

URANIUM MINERALS
IMPORTS OF URANIUM MINERALS, ETC.
(Less Re-exports)

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom— Radium compounds <i>Grains</i>	39	383	98	—	60	441
Canada— Radium .. £	154,603	103,345	309,184	109,672	497,765	193,512
OTHER COUNTRIES						
Portugal— Radium salts <i>Mgrams.</i>	494	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
United States— Radium salts <i>Mgrams.</i>	85,055	57,879	65,545	43,221	76,206	38,419
Brazil (total imports)— Radium and radium products <i>Mgrams.</i>	10,311	852	1,157	1,291	497	96

VANADIUM
PRODUCTION OF VANADIUM ORES
(Metal content)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
South West Africa ..	490	511	570	275	200	413
Union of South Africa ..	—	—	—	—	7	283
OTHER COUNTRIES						
Finland	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	38	259	384
Angola (<i>b</i>)	—	—	27	10	1	18
United States (<i>a</i>) ..	4,145	4,402	4,449	5,032	6,513	6,488
Peru	326	187	70	—	—	—
WORLD'S TOTAL (<i>c</i>)	4,961	5,100	5,116	5,355	6,980	7,586

(*a*) Shipments.

(*b*) Vanadium content of vanadium-lead ore.

(*c*) Totals represent the sum of the countries shown and exclude vanadium ore known to have been produced in Mexico and other countries. Vanadiferous iron concentrates (about 0.5% *V*) are produced in Norway.

EXPORTS OF VANADIUM
(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom— Ferro-vanadium ..	125	6	23	9	9	7
Northern Rhodesia— Oxide, fused	7	—	—	—	—	—
South West Africa— Concentrates (<i>V content</i>)	583	485	511	333	283	<i>n.a.</i>
OTHER COUNTRIES						
Italy— Oxide	119	—	2	10	—	—
Sweden— Ferro-vanadium ..	11	34	47	54	43	80
Belgian Congo— Ore	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	700	—	—
Mexico— Concentrates	—	—	193	8	47	<i>n.a.</i>
United States— Ore, concentrates, etc. (<i>V content</i>)	6	19	772	r 829	446	563
Flue dust and other waste (<i>V content</i>) ..	24	11	39	13	52	5
Ferro-vanadium ..	70	63	196	r 124	120	68
Peru— Ore and concentrates (<i>V content</i>)	285	193	82	—	—	<i>n.a.</i>

IMPORTS OF VANADIUM
(*Less Re-exports*)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (<i>a</i>)—						
Ore	453	355	—	15	<i>n.a.</i>	<i>n.a.</i>
Oxide	7	—	3	15	21	282
Other compounds ..	—	1	16	10	6	64
OTHER COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Ferro-vanadium ..	<i>n.a.</i>	5	13	25	12	12
Oxide	1	14	9	3	17	29
France—						
Oxide	122	53	365	413	396	346
Germany (Federal)—						
Ore	—	1,163	—	—	—	—
Italy—						
Ore	5	35	114	382	254	51
Oxide	1	2	25	4	32	25
Ferro-vanadium ..	22	17	36	38	65	<i>n.a.</i>
Netherlands—						
Ferro-vanadium ..	<i>n.a.</i>	2	1	8	5	9
Sweden—						
Ore	—	3	—	—	1	—
Ferro-vanadium ..	7	29	39	31	24	7
United States—						
Ore	1,321	529	260	—	—	—
(<i>V content</i>)	320	176	82	—	—	—
Japan—						
Ore	<i>n.a.</i>	61	38	330	405	153
Ferro-vanadium ..	31	44	—	—	37	—

(*a*) Excluding vanadium contained in petroleum soot slags, and residues.

VERMICULITE
PRODUCTION OF VERMICULITE

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Kenya	73	720	340	444	30	86
Southern Rhodesia	—	—	—	272	411	250
Tanganyika	—	—	—	—	—	82
Union of South Africa	30,218	40,744	51,323	52,426	55,910	48,495
Australia	29	—	—	1	—	—
India	—	3	123	927	—	—
OTHER COUNTRIES						
Egypt	<i>n.a.</i>	—	—	—	29	—
Morocco	—	—	—	—	131	—
Sudan	—	—	—	—	—	118
United States (sales)	169,228	174,587	182,179	171,989	164,274	(a) 162,000
Argentina	<i>n.a.</i>	<i>n.a.</i>	492	r 548	256	(a) 295
WORLD'S TOTAL	199,548	216,054	234,400	r 226,600	221,000	211,000

(a) United States Bureau of Mines' estimate.

EXPORTS OF VERMICULITE
(Domestic Produce)

Long tons

Exporting Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Union of South Africa	29,363	36,834	40,036	r 47,136	44,197	43,718
Southern Rhodesia	146	8	3	2	1	4

IMPORTS OF VERMICULITE
(Less Re-exports)

Long tons

Importing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom (a)	8,376	7,777	10,456	10,606	11,055	9,621
Canada	(£118,779)	(£127,530)	(£129,240)	(£135,969)	(£137,314)	(£148,238)
OTHER COUNTRIES						
France	3,636	3,477	5,193	(b) 4,577	(b) 7,453	(b) 10,925
Mexico	343	449	586	311	429	672
United States (a)	5,906	6,744	9,497	r 7,207	7,751	7,616

(a) Exports from the Union of South Africa to the country stated.

(b) May include perlite, etc.

ZINC

PRODUCTION OF ZINC ORE

(Metal content)

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Great Britain	1,865	1,432	1,048	674	835	241
Northern Rhodesia	(b) 38,708	(b) 34,529	(b) 33,991	(c) 28,925	(c) 29,500	(c) 30,250
South West Africa	15,522	19,671	20,741	36,043	49,171	39,964
Union of South Africa	—	—	—	457	1,058	—
Canada (b)	358,716	336,153	386,926	377,350	369,411	382,712
India	2,370	2,188	2,627	3,715	4,033	3,929
Australia	237,037	252,659	256,564	278,082	291,582	262,912
TOTAL	654,200	646,600	701,900	725,200	745,600	720,000
Irish Republic	1,624	1,534	2,472	1,605	1,600	413
OTHER COUNTRIES						
Austria	5,814	6,285	6,994	6,043	7,569	7,598
Bulgaria	n.a.	n.a.	n.a.	35,100	44,400	(g) 49,000
Finland (b)	3,177	4,434	20,835	38,160	42,326	46,200
France	13,011	11,170	10,843	12,383	12,181	14,600
Germany (Federal)	89,805	92,739	90,677	90,980	92,870	84,051
Germany (East) (g)	n.a.	6,400	6,900	6,900	6,900	6,900
Greece	5,111	5,198	7,241	9,081	9,572	n.a.
Italy	96,786	101,414	103,930	110,501	115,760	123,353
Norway	5,055	5,283	6,617	6,257	6,906	8,942
Poland (c)	136,200	139,900	153,700	150,900	156,261	160,047
Portugal	n.a.	n.a.	292	559	173	15
Spain	82,876	92,173	90,448	87,423	79,550	81,787
Sweden	44,381	57,506	57,866	64,997	66,543	63,795
U.S.S.R. (c) (e)	225,000	240,000	255,000	270,000	300,000	325,000
Yugoslavia	59,023	56,297	58,781	56,629	57,171	59,071
Algeria	18,728	26,524	30,530	30,058	28,110	84,466
Angola	92	—	—	3	—	—
Belgian Congo	123,809	82,970	66,700	115,670	105,589	112,184
Egypt	186	170	490	n.a.	—	—
Morocco (Southern)	34,728	33,910	42,577	38,899	48,093	49,065
Tunisia	3,591	5,095	5,350	4,645	3,495	3,348
Cuba	—	—	1,112	1,462	671	(g) 100
Greenland	—	—	—	2,300	8,161	5,930
Guatemala	6,000	3,900	8,347	7,096	n.a.	4,752
Honduras (d)	568	706	1,279	2,043	2,312	1,320
Mexico	222,961	220,215	265,144	244,956	237,221	220,566
Salvador	50	—	—	n.a.	n.a.	n.a.
United States (b)	488,777	422,742	459,528	484,232	474,763	367,862
Argentina	13,050	16,600	20,900	23,327	29,080	36,000
Bolivia (a)	23,595	20,003	20,990	16,802	19,355	13,997
Chile	2,559	r 923	r 2,797	r 2,650	2,013	1,197
Peru (b)	136,905	156,058	163,459	172,354	152,017	133,120
Burma	3,525	6,516	8,221	7,226	9,085	10,769
Iran (f)	5,500	5,200	5,600	4,600	4,500	8,800
Japan	93,563	107,661	106,953	121,058	133,858	139,505
Korea (South)	20	—	—	393	278	329
Korea (North) (g)	—	—	14,700	29,000	36,000	36,000
Philippine Republic	735	—	—	935	297	—
Thailand	2,000	3,000	3,000	2,000	1,625	536
Turkey	3,650	5,392	(e) 750	(e) 1,700	(e) 2,000	(e) 2,000
TOTAL	1,970,000	1,970,000	r 2,130,000	r 2,260,000	2,300,000	2,270,000
WORLD'S TOTAL	2,630,000	2,620,000	r 2,830,000	r 2,990,000	3,050,000	2,990,000

(a) Exports.
 (b) Recoverable.
 (c) Smelter production.

(d) Imports into the United States from Honduras.
 (e) Estimated.
 (f) Years ended March 20 following that stated.
 (g) United States Bureau of Mines' estimate.

METAL PRODUCTION OF ZINC

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	72,711	81,239	81,346	81,470	76,885	74,587
Northern Rhodesia ..	25,330	26,550	27,900	28,925	29,554	30,250
Canada	224,072	226,219	229,055	228,182	220,818	225,113
Australia	90,178	104,523	101,090	104,993	110,348	114,773
TOTAL	412,291	438,531	439,391	443,570	437,605	444,723
OTHER COUNTRIES						
Austria	—	—	2,300	7,500	9,200	10,500
Belgium	190,372	209,730	208,585	227,044	231,922	213,912
Bulgaria	—	—	1,337	5,745	7,394	8,000
France	79,660	109,152	110,178	110,806	128,256	147,400
Germany (Federal) ..	145,919	165,007	175,916	183,003	180,847	173,906
Italy	r 58,539	64,405	69,457	r 71,494	72,494	70,208
Netherlands	24,804	25,627	27,989	28,554	29,540	26,147
Norway	38,185	43,759	44,800	48,002	47,588	44,804
Poland	136,200	139,900	153,700	150,900	156,261	160,047
Spain	22,759	22,908	23,474	22,661	21,552	20,231
U.S.S.R. (a)	225,000	240,000	255,000	270,000	300,000	325,000
Yugoslavia	14,319	13,429	13,550	19,544	28,994	30,754
Belgian Congo	7,678	31,495	33,432	41,419	48,417	52,594
Mexico	52,215	53,997	55,249	55,400	55,672	56,544
United States (b) (c) ..	817,951	716,451	860,271	878,223	880,175	697,541
Argentina	12,740	10,826	13,287	13,779	13,814	14,172
Peru	8,767	15,120	16,787	9,303	29,002	28,602
China (d)	400	12,300	r 13,800	r 17,000	22,000	n.a.
Japan	75,601	96,228	107,628	130,800	132,614	135,273
TOTAL	1,910,000	1,970,000	2,190,000	2,290,000	2,400,000	2,200,000
WORLD'S TOTAL	2,322,000	2,410,000	2,630,000	2,730,000	2,840,000	2,600,000

(a) Estimated.

(b) In addition secondary zinc recovered was as follows (long tons):

1953	263,105	1956	251,210
1954	242,655	1957	235,807
1955	272,121	1958	205,654

(c) The production by grades (including redistilled secondary) was as follows (long tons):

	1953	1954	1955	1956	1957	1958
A—High grade—Special ..	279,295	241,213	337,692	318,532	316,109	266,466
Ordinary ..	160,882	118,732	123,747	145,060	135,997	77,553
B—Intermediate grade ..	13,143	17,218	21,243	33,653	28,805	17,311
C and D—Brass special ..	50,196	47,020	71,615	85,974	75,260	73,072
Selected	1,723	1,101	3,486	2,143	1,027	1,161
E—Prime Western	359,922	351,893	361,454	357,261	387,692	303,590

(d) United States Bureau of Mines' estimate.

PRODUCTION OF ELECTROLYTIC ZINC IN CERTAIN COUNTRIES*

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Northern Rhodesia ..	17,004	17,557	17,900	28,925	29,554	30,250
Canada	224,072	226,219	229,055	228,182	220,818	225,113
Australia (Tasmania) ..	90,178	104,523	101,090	104,993	110,348	114,773
OTHER COUNTRIES						
France	32,996	41,300	43,162	47,390	48,767	59,300
Italy	50,051	58,092	60,706	63,219	62,856	60,878
Norway	38,185	43,759	44,800	48,002	47,588	44,804
Poland	39,200	40,600	49,600	55,300	58,300	n.a.
Belgian Congo	7,678	31,495	33,432	41,419	48,417	52,594
United States	331,134	277,890	348,117	366,444	365,610	291,472
Japan	53,798	28,805	71,058	81,216	83,419	83,668

*This production is already included in the Metal table and is not additional.

PRODUCTION OF ZINC DUST IN CERTAIN COUNTRIES

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom ..	8,665	9,344	10,998	10,234	11,246	10,256
Australia	1,901	2,234	2,093	2,246	2,199	2,190
OTHER COUNTRIES						
France	2,967	2,480	3,023	2,453	2,179	1,872
Germany (Federal) ..	3,374	6,793	6,193	5,301	8,524	7,634
United States	22,587	23,834	26,891	25,043	23,853	23,671
Japan	3,276	3,617	5,048	4,616	5,189	4,587

PRODUCTION OF ROLLED ZINC SHEETS, PLATES AND STRIPS
IN CERTAIN COUNTRIES

Long tons

Producing Country	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom	21,412	(a) 22,779	(a) 23,067	(a) 23,433	(a) 22,548	(a) 25,222
OTHER COUNTRIES						
France	50,559	54,689	57,563	57,637	61,647	69,268
United States (b) ..	50,346	43,781	47,390	42,802	35,475	34,704
Japan	4,949	4,346	4,890	5,350	6,393	5,692

(a) Including wire.

(b) Excluding strip and ribbon zinc re-rolled from scrap originating in fabricating plants operated in connection with zinc rolling-mills, as follows:

	Long tons		Long tons
1953	11,708	1956	7,059
1954	10,964	1957	11,327
1955	7,262	1958	11,401

EXPORTS OF ZINC

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	2,907	—	3,604	3,228	498	200
Ingots, bars etc. ..	5,573	585	608	365	1,062	1,649
Sheets, plates, etc. ..	1,800	2,533	2,149	1,933	1,374	3,763
Oxide	3,974	5,770	6,569	6,183	6,831	9,024
Lithopone, etc. ..	2,002	2,891	2,087	3,217	2,467	3,379
Nigeria—						
Ore and concentrates ..	<i>n.a.</i>	125	—	—	—	—
Northern Rhodesia—						
Ores and concentrates ..	—	—	—	15,024	2,415	—
Ingots	26,550	28,344	25,239	29,318	29,666	27,933
South West Africa—						
Ores and concentrates (Zn content)	13,269	19,753	21,375	30,107	55,844	42,647
Union of South Africa—						
Bars, sheets, etc. ..	1	1	8	20	2	1
Fume, dust, shavings, etc.	76	107	67	78	287	109
Canada—						
Ore (Zn content) ..	172,015	160,868	170,165	177,958	167,090	194,485
Crude	141,418	183,962	190,926	164,043	180,363	174,739
Dross, scrap and ashes ..	3,735	4,566	4,880	4,881	4,783	4,992
Oxide	<i>n.a.</i>	1,062	1,066	477	924	1,322
Hong Kong (re-exports)—						
Unwrought, incl. alloys	1	—	30	148	426	362
Plates and sheets ..	61	56	129	226	463	540
Oxide	324	220	187	149	49	43
Lithopone	2,734	2,183	197	151	637	380
India—						
Concentrates, etc. ..	3,258	3,999	4,907	5,068	6,383	4,833
Malaya (a)—						
Bars, sheets, tubes, etc.	397	140	112	106	99	255
Australia (b)—						
Ores and concentrates (Zn content)	122,228	151,445	109,249	152,485	160,267	158,253
Dust	33	409	14	34	15	26
Ingots, blocks, etc. ..	44,944	37,198	32,709	33,715	39,676	30,210
Scrap and shavings ..	941	766	530	688	259	393
Plates and sheets ..	53	90	125	179	134	123
Oxide	150	280	324	100	265	79
Irish Republic—						
Ores and concentrates	3,977	2,472	4,147	4,536	3,390	1,057
OTHER COUNTRIES						
Austria—						
Ore	8,856	10,551	4,859	1,034	15	1,987
Crude and alloys ..	477	746	1,661	3,661	3,412	4,008
Scrap	2,762	2,814	2,704	1,544	673	1,034
Zinc-white	—	46	3	—	—	—
Lithopone	1,236	1,572	2,212	1,971	1,431	1,546
Belgium-Luxemburg						
E.U.—						
Ore	26,362	54,029	73,388	55,821	55,350	53,437
Crude	118,769	126,876	120,907	138,921	134,187	128,463
Scrap	57	3,334	2,390	1,683	2,892	4,854
Sheets, tubes and wire	13,843	13,803	16,826	18,162	19,101	19,287
Dust	4,058	5,394	8,260	7,088	9,701	8,338
Lithopone	5,641	8,603	12,198	16,528	15,492	10,883

(a) Including re-exports.

(b) Years ended June 30 of that stated.

EXPORTS OF ZINC (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Crude	987	921	—	243	315	2,516
Scrap	125	258	1,367	1,435	992	1,107
Finland—						
Concentrates	5,499	8,250	31,696	80,438	90,083	88,644
Bars, sheets, scrap etc.	10	—	—	5	1	411
France—						
Ore	4,155	—	1	2,225	1,279	—
Crude	531	1,173	600	150	280	442
Bars, sheets and wire	1,668	1,248	1,092	1,082	1,220	1,336
Oxide	2,669	2,820	1,930	1,112	1,723	2,260
Lithopone, etc.	1,428	1,079	623	561	524	558
Germany (Federal)—						
Ore	16,437	5,911	7,258	5,090	829	9,188
Crude and scrap (b)	36,096	12,983	28,833	40,672	23,661	28,859
Bars, sheets, wire, etc.	8,766	8,816	9,004	6,754	6,153	5,858
Dust	243	891	1,197	978	1,562	2,334
Zinc-white, zinc-grey	11,776	13,376	10,871	11,249	12,911	13,192
Lithopone	31,476	39,036	37,716	41,619	41,948	41,545
Greece—						
Ore and concentrates	9,268	10,413	16,325	17,578	19,150	27,582
Italy—						
Ore	52,566	77,753	56,692	62,032	73,007	87,255
Crude	26,010	19,422	19,201	23,057	13,816	14,606
Bars, sheets, wire (b)	76	97	421	36	14	58
Oxide	981	849	353	544	544	352
Lithopone	4,381	6,012	3,355	4,620	3,692	5,225
Netherlands—						
Crude	19,203	15,635	18,107	20,387	14,967	14,517
Scrap	2,038	4,581	4,721	6,250	5,007	4,977
Sheets	1,014	1,655	1,180	921	1,296	1,303
Norway—						
Ore	408	2,854	6,023	5,675	6,056	10,585
Electrolytic zinc	30,388	30,361	32,409	36,627	39,555	36,690
Ashes and scrap	1,346	1,618	1,903	1,409	1,323	1,473
Zinc-white	269	2,069	2,083	2,482	1,407	2,714
Poland—						
Crude and sheets	110,000	86,800	94,900	94,500	91,000	85,000
Portugal—						
Ore	<i>n.a.</i>	<i>n.a.</i>	569	1,037	440	—
Crude	119	10	9	6	29	10
Zinc-white	27	20	16	11	16	15
Spain—						
Ore	95,918	94,877	106,698	90,419	63,431	53,749
Bars, scrap, sheets, wire, etc.	1	1	1	4	3	1
Sweden—						
Ore	75,186	108,613	104,915	125,728	135,827	136,131
Crude	124	98	518	116	154	362
Scrap	225	108	218	195	439	620
Zinc-white	283	830	990	914	559	645
Switzerland—						
Crude and scrap	3,561	5,303	5,937	5,226	5,738	5,124
Dust	39	13	52	41	61	87
Zinc-white, etc.	210	108	161	174	227	279
U.S.S.R.—						
Concentrates	<i>n.a.</i>	<i>n.a.</i>	36,400	32,600	—	36,800
Crude (a)	<i>n.a.</i>	<i>n.a.</i>	34,900	50,100	71,000	65,400
Yugoslavia—						
Concentrates	28,235	41,703	43,808	29,610	23,984	26,783
Crude	3,140	1,331	2,700	2,250	14,569	11,809
Plates, sheets and strips	687	652	384	1,115	1,742	2,500

(a) May include some foreign produce.

(b) Including alloys.

EXPORTS OF ZINC (cont.)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Yugoslavia (cont.)						
Dust	2,797	2,146	1,423	1,522	1,680	1,651
Oxide	614	331	318	925	1,048	496
Lithopone	793	1,006	1,051	1,513	1,007	347
Algeria—						
Ore	19,819	45,676	63,750	60,945	50,682	52,559
Crude, plates and scrap	273	535	516	659	389	482
Oxide	8	1	3	1	2	—
Angola—						
Ore	—	—	—	—	295	—
Belgian Congo—						
Ores and concentrates ..	123,379	118,727	101,447	70,467	78,073	82,363
Electrolytic zinc	5,739	29,507	32,703	38,901	48,866	50,403
Egypt—						
Ore	418	449	2,017	394	n.a.	n.a.
Morocco—						
Ore	53,038	70,259	88,503	62,521	102,266	54,381
Tunisia						
Ore	2,018	13,882	13,082	10,946	7,963	6,250
Cuba—						
Crude	—	—	587	1,681	795	n.a.
Greenland—						
Ore	—	—	—	4,761	12,692	8,507
Guatemala—						
Ore	15,327	6,317	15,762	18,545	18,942	11,328
Honduras—						
Ore and concentrates ..	—	—	341	859	1,357	—
Mexico—						
Ores and concentrates ..	295,059	310,733	365,178	382,631	357,848	297,661
Refined	50,786	39,118	47,986	40,381	41,602	35,916
Oxide	135	101	387	853	1,203	1,337
United States—						
Ore and concentrates (b)	2,637	—	—	763	6	—
Crude	16,044	22,317	16,133	7,870	9,630	1,550
Scrap (b)	893	14,901	19,296	13,332	4,883	4,771
Sheets, strips, etc. ..	3,760	2,643	2,325	2,717	2,390	3,409
Dust	448	454	397	332	531	463
Oxide	2,652	2,778	2,365	2,454	2,807	2,270
Lithopone	3,506	2,690	1,689	1,239	885	547
Bolivia—						
Ores (Zn content)	26,122	20,003	20,990	16,802	19,355	13,997
Brazil—						
Ore	197	—	1,153	—	—	—
Chile—						
Ores (c)	1,588	—	—	8,800	5,500	2,200
Colombia—						
Ore	408	—	—	—	—	—
Peru—						
Ores, etc. (Zn content) ..	87,123	95,072	125,893	134,749	117,333	105,920
Bars (Zn content)	9,092	15,658	18,349	6,914	26,668	28,494
Burma—						
Concentrates	20,733	32,691	40,266	31,237	36,751	36,744
Iran (a)—						
Ore	n.a.	n.a.	n.a.	12,201	11,810	n.a.
Japan—						
Crude	639	2,065	4,406	14,626	11,514	7,068
Oxide	(d) 9	(d) 37	(d) 109	108	172	77
Lithopone	250	78	102	213	12	22
Philippine Republic—						
Concentrates	1,412	—	—	1,083	1,476	—
Turkey—						
Ore	54	217	588	984	982	1,575

(a) Years ended March 20 following that stated.

(b) Zn content.

(c) Including complex ores.

(d) Including sulphide.

IMPORTS OF ZINC

(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	165,261	192,863	200,252	180,760	207,355	121,194
Ingots, bars, etc. ..	125,567	153,036	159,522	125,747	146,713	133,523
Sheets, plates, etc. ..	(b) 547	668	1,090	418	451	779
Oxide	7	37	36	54	4	5
Lithopone, etc. . .	3,296	2,122	2,286	2,838	2,828	4,358
Ghana—						
Unwrought and bars, rods, sheets, etc. ..	n.a.	76	50	41	26	65
Kenya—						
Unwrought, incl. scrap	58	96	49	59	37	88
Bars, plates, sheets, etc.	7	7	26	10	21	44
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	n.a.	66	43	63	42	95
Southern Rhodesia—						
Sheets, dust, etc. ..	116	(c) 179	(c) 124	(c) 102	(c) 147	(c) 148
South West Africa—						
Crude, sheets, etc. ..	3	1	(g)	(g)	(g)	(g)
Tanganyika—						
Bars, sheets, scrap, etc.	7	7	17	22	7	16
Union of South Africa—						
Bars, rods and ingots ..	13,853	22,004	(h) 11,840	(h) 21,432	(h) 17,785	(h) 22,895
Sheets and strips ..	226	364	(h) 571	(h) 494	(h) 195	(h) 93
Lithopone	1,412	2,526	(h) 3,009	(h) 1,924	(h) 2,129	(h) 1,928
Oxide	484	256	(h) 346	(h) 351	(h) 233	(h) 292
Dust and shavings ..	67	52	(h) 49	(h) 61	(h) 17	(h) 34
Canada—						
Dust	299	266	375	438	604	485
Ingots, sheets, plates bars, etc. ..	1,185	1,209	1,688	1,510	1,369	1,537
Zinc-white	1,234	924	719	544	1,281	621
Lithopone	2,990	2,269	1,691	2,049	1,219	1,109
Ceylon—						
Blocks, ingots, etc. ..	19	12	13	26	50	65
Sheets and plates ..	29	29	15	32	21	40
Hong Kong (a)—						
Unwrought, incl. scrap	52	141	232	700	1,158	2,445
Sheets and plates ..	1,777	843	1,268	1,025	952	797
Oxide	63	485	599	527	545	508
Lithopone	2,708	3,571	1,713	1,463	2,439	1,695
India—						
Crude	23,980	37,597	31,028	35,258	47,910	57,122
Sheets, etc.	1,849	2,190	1,742	2,059	1,632	660
Zinc-white	15	7	51	4	9	8
Lithopone	773	1,250	729	417	279	133
Malaya (a)—						
Bars, sheets, tubes, etc.(d)	1,856	2,863	1,414	643	1,059	960
Pakistan (e)—						
Crude	307	915	2,160	285	519	674
Zinc-white	194	105	194	177	134	263
Lithopone	374	399	676	458	809	1,091
Australia (f)—						
Dust	3	2	} 131	154	132	156
Bars, sheets and scrap ..	17	58				
Oxides	3	109				
Lithopone	68	1,871	2,225	1,925	2,415	1,353

(a) Total imports.

(b) Excess of re-exports.

(c) Federation of Rhodesia and Nyasaland.

(d) Including alloys.

(e) Years ended March 31 following that stated, up to 1955 inclusive.

(f) Years ended June 30 of that stated.

(g) Included with Union of South Africa.

(h) Including South West Africa.

IMPORTS OF ZINC (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
<i>(cont.)</i>						
New Zealand—						
Crude, ingots, bars, etc.	493	1,198	1,603	1,380	1,629	2,209
Sheets and plates ..	169	225	184	239	271	295
Oxide	169	237	411	404	338	314
Zinc-white	188	251	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
Lithopone	204	405	426	193	173	<i>n.a.</i>
Irish Republic—						
Unwrought incl. alloys	595	1,063	1,679	1,351	1,452	1,582
Wrought incl. alloys ..	333	407	389	357	334	364
Zinc-white	448	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
OTHER COUNTRIES						
Austria—						
Ore	—	4,766	9,580	6,419	4,037	10,369
Crude and alloys ..	5,532	7,620	9,601	5,959	4,447	3,918
Sheets, bars, etc. ..	11	12	26	102	127	165
Zinc-white and zinc-grey	28	233	364	407	389	374
Lithopone	15	25	193	418	540	359
Belgium-Luxemburg E.U.—						
Ore	353,513	475,451	541,807	536,351	514,382	453,528
Crude	1,267	4,977	885	571	777	3,336
Scrap	145	43	68	240	9	36
Sheets, bars and wire	187	196	34	57	15	16
Dust	9	13	61	8	261	280
Oxide	1,166	1,303	1,408	1,140	1,235	1,221
Lithopone	1,652	1,512	1,577	1,725	1,540	1,713
Denmark—						
Crude	3,918	6,638	5,560	4,511	5,557	9,665
Scrap	60	83	75	82	143	270
Plates, sheets and wire	4,941	5,628	4,718	5,382	4,733	5,854
Zinc-white	1,905	1,798	1,726	1,987	1,596	1,627
Lithopone	1,687	1,988	1,763	1,866	1,727	1,848
Finland—						
Crude	3,314	5,800	7,578	4,504	6,245	2,995
Scrap	52	35	45	126	54	72
Sheets	339	821	466	288	538	326
Zinc-white	774	848	878	529	520	646
Lithopone	940	1,753	1,596	1,353	1,735	1,309
France—						
Ore	163,295	237,612	296,558	285,363	308,039	346,203
Crude	13,911	21,348	14,778	11,394	10,271	14,596
Scrap	293	6,316	6,957	7,153	6,578	8,946
Dust	2,634	3,935	2,022	1,744	2,243	1,412
Sheets, bars and wire ..	13	91	107	864	55	89
Oxide	612	900	380	586	399	197
Lithopone	8,575	8,289	12,799	17,110	16,295	9,700
Germany (Federal)—						
Ores	47,911	53,767	102,034	114,526	109,123	177,297
Crude and scrap (a) ..	23,170	53,979	66,894	59,849	66,821	75,858
Bars, sheets, wire, etc. ..	241	1,516	4,843	3,929	4,861	8,086
Dust	1,666	2,187	2,937	2,593	1,962	2,161
Zinc-white and zinc-grey	1,155	2,210	3,040	2,265	2,972	2,165
Lithopone	1,732	2,018	2,180	2,883	2,743	2,297

(a) Including alloys.

IMPORTS OF ZINC (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Greece—						
Crude, plates and sheets	1,395	2,017	2,120	2,114	2,754	2,913
Zinc-white	360	369	464	375	340	323
Lithopone	1,650	1,779	2,305	2,625	2,526	2,863
Iceland—						
Crude	9	14	12	27	20	37
Zinc-white	29	37	26	67	34	53
Italy—						
Ore	2,671	703	867	1,072	20	2,528
Crude	2,700	5,322	5,222	4,592	8,615	5,843
do. (alloys)	201	1,291	637	847	913	922
Scrap	629	1,243	940	1,281	2,461	1,061
Dust	394	427	587	1,149	938	928
Bars, sheets, wire (b) ..	37	85	98	166	123	294
Oxide	149	140	165	303	558	395
Lithopone	32	1,016	650	704	739	951
Netherlands—						
Ore	55,482	70,849	65,031	45,948	69,629	71,262
Crude	9,906	17,159	7,565	8,432	10,041	12,285
do. (alloys)	544	837	1,175	927	1,451	908
Dust	391	545	555	616	662	717
Scrap	218	250	263	371	226	488
Sheets, bars and wire ..	4,239	3,868	3,596	4,624	4,308	4,695
Oxide	1,656	1,714	1,432	1,511	1,464	1,272
Lithopone	769	1,305	1,231	2,481	2,010	1,821
Norway—						
Ore	47,884	83,318	100,766	75,566	92,703	88,260
Ashes and scrap	365	1,179	922	1,326	1,330	1,056
Crude	311	360	359	1,601	750	172
Bars and sheets	266	679	724	1,095	861	1,236
Zinc-white	369	657	762	753	736	331
Lithopone	616	610	601	495	395	422
Poland—						
Concentrates	59,200	79,400	78,800	89,600	150,000	105,000
Portugal—						
Crude, scrap and dust ..	1,288	1,573	1,717	2,422	2,743	2,854
Oxide	909	917	822	783	786	720
Lithopone	1,024	1,255	1,488	1,647	1,619	1,985
Spain—						
Bars and scrap	450	1,492	6	398	4,092	9,466
Sweden—						
Crude	20,563	28,353	25,934	25,796	23,664	22,846
Scrap	46	—	17	3	1	—
Sheets	1,287	1,614	1,447	1,369	1,513	1,276
Zinc-white	4,389	4,950	4,990	4,994	5,071	4,484
Lithopone, etc.	5,889	6,553	6,475	6,172	5,945	6,267
Switzerland—						
Crude and scrap	9,849	16,874	15,699	16,068	17,943	15,009
Dust	736	1,572	1,812	931	1,395	1,035
Bars, sheets, pipes and wire ..	1,248	1,489	1,336	1,384	1,256	1,405
Zinc-white, lithopone, etc. ..	6,461	7,504	8,522	9,868	9,067	8,535
U.S.S.R. (a)—						
Crude	<i>n.a.</i>	<i>n.a.</i>	46,600	47,300	32,000	30,900
Yugoslavia—						
Crude	—	—	2,460	1,086	318	30
Algeria—						
Crude, sheets and scrap ..	590	694	767	591	803	907
Oxide	449	597	536	315	455	547
Lithopone, etc.	668	502	755	922	783	1,253

(a) Total imports.

(b) Including alloys.

IMPORTS OF ZINC (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES (cont.)						
Angola—						
Bars, sheets, wire ..	58	140	72	104	154	95
Oxide	28	33	41	42	39	37
Belgian Congo—						
Crude and scrap ..	92	20	28	2	4	11
Oxide	72	63	79	188	88	67
Lithopone	194	372	154	590	478	369
Egypt—						
Crude, sheets and scrap	672	816	1,132	1,117	896	1,054
Zinc-white	274	286	427	444	863	713
Lithopone	2,395	2,368	2,666	2,483	2,341	4,211
Madagascar—						
Bars, sheets, wire ..	156	86	58	117	73	171
Oxide	26	13	16	4	8	9
Morocco (Southern)—						
Crude	468	591	413	131	338	n.a.
Bars, sheets and wire ..	154	255	219	177	103	169
Oxide	391	380	418	361	303	344
Lithopone	1,007	1,071	951	955	829	901
Mozambique—						
Crude, bars and sheets ..	16	4	10	11	8	9
Oxide	11	21	18	33	23	35
Tunisia—						
Crude and dust	49	102	2	75	12	104
Sheets	84	103	90	65	34	80
Oxide	107	162	109	53	87	61
Lithopone	343	281	n.a.	215	318	419
Cuba (a)—						
Crude	123	151	206	650	263	n.a.
Bars and sheets	137	108	127	367	105	n.a.
Mexico (a)						
Crude, sheets and scrap	79	156	32	602	338	75
Oxide	n.a.	n.a.	n.a.	47	22	32
United States—						
Ore (Zn content)	401,546	429,391	343,436	412,838	606,537	483,407
Crude	203,262	142,980	174,160	218,505	240,046	165,797
Dross and scrap	5,281	970	254	537	527	867
Sheets	175	231	385	405	654	804
Dust	933	—	64	64	100	86
Oxide	1,059	2,096	2,964	3,274	4,683	10,472
Lithopone	26	58	27	128	51	61
Argentina—						
Crude and bars	197	1,968	6,397	6,244	1,369	7,867
Sheets and plates	1,268	154	—	—	8	—
Zinc-white	—	—	—	—	1	—
Brazil (a)—						
Crude	12,429	20,812	13,737	18,977	15,253	22,766
Bars, sheets and plates	625	1,158	1,440	238	117	93
Zinc-white	2,332	4,885	3,152	4,729	2,542	2,647
Lithopone	n.a.	n.a.	5,710	7,776	7,739	6,138
Chile—						
Crude	2,397	4,097	3,108	1,562	2,258	n.a.
Bars and sheets	295	280	179	n.a.	n.a.	n.a.
Zinc-white	85	4	4	n.a.	n.a.	n.a.
Lithopone	1,169	432	450	n.a.	n.a.	n.a.
Colombia—						
Crude, sheets, bars and wire including alloyed	184	489	590	406	559	695
Zinc-white	590	778	876	931	1,053	942
Lithopone	378	317	624	640	1,015	292

(a) Total imports.

IMPORTS OF ZINC (cont.)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
OTHER COUNTRIES						
<i>(cont.)</i>						
Peru—						
Crude, bars, sheets and powder	82	72	113	122	113	<i>n.a.</i>
Zinc-white and lithopone	262	532	400	384	627	<i>n.a.</i>
Uruguay—						
Crude and sheets	402	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	1,232	648
Lithopone	425	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	673	269
Zinc-white	289	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	301	343
Venezuela (a)—						
Crude	17	6	<i>n.a.</i>	4	6	17
Oxide	<i>r</i> 307	<i>r</i> 478	<i>n.a.</i>	<i>r</i> 577	517	580
Lithopone	526	727	<i>n.a.</i>	824	754	735
Formosa—						
Crude	452	7,767	827	818	1,655	1,057
Bars, rods and alloyed ..	152	162	329	190	281	260
Indonesia—						
Crude, scrap and dust ..	285	40	19	21	134	29
Bars and sheets	678	455	409	524	629	627
Zinc-white	1,525	1,025	2,562	1,601	2,236	1,536
Iran (b)—						
Crude, sheets and wire ..	11	28	<i>n.a.</i>	56	128	<i>n.a.</i>
Oxide	25	268	<i>n.a.</i>	154	247	<i>n.a.</i>
Lithopone	462	476	<i>n.a.</i>	578	708	<i>n.a.</i>
Iraq—						
Crude, sheets, etc. ..	11	27	26	265	77	<i>n.a.</i>
Israel—						
Crude and sheets	498	1,435	1,755	1,810	1,941	2,660
Lithopone	460	845	846	677	829	1,173
Japan—						
Ore	2,367	3,820	10,683	37,519	58,430	19,631
Crude	7,177	4,375	5,182	6,109	7,324	7,982
Scrap	1,797	142	205	7	23	53
Dross	1,346	295	35	52	981	—
Plates and sheets	7	4	8	12	86	14
Lebanon—						
Crude	24	22	70	19	252	190
Oxide and lithopone ..	108	165	177	142	107	72
Philippine Republic—						
Crude and sheets	67	101	136	1,627	3,970	4,136
Dust	93	83	95	90	97	113
Oxide	497	810	474	491	898	776
Lithopone	250	159	249	500	467	232
Syria—						
Oxide and lithopone ..	321	349	586	655	613	<i>n.a.</i>
Thailand (a)—						
Crude	35	22	17	—	17	19
Bars and sheets	799	967	794	1,324	1,251	1,631
Oxide	<i>n.a.</i>	<i>n.a.</i>	125	293	136	215
Turkey—						
Crude	420	691	32	747	445	487
Bars, tubes and wire ..	3,075	1,967	3,801	792	764	846
Oxide	1,561	1,565	1,035	1,159	824	133
Lithopone	1,952	1,286	1,102	1,173	205	635

(a) Total imports.

(b) Years ended March 20 of year following that stated.

ZIRCONIUM MINERALS

PRODUCTION OF ZIRCONIUM MINERALS

Long tons

Producing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Gambia (a)	—	—	—	—	—	10
Nigeria	—	—	—	—	—	90
Union of South Africa	—	—	—	—	—	1,008
India	—	—	3	3	10	<i>n.a.</i>
Malaya (a)	—	—	81	45	41	25
Australia—						
Zircon concentrates ..	27,207	41,453	48,673	72,458	88,561	59,270
OTHER COUNTRIES						
Egypt	235	97	112	359	40	(c) 40
French West Africa	935	—	—	1,130	3,681	6,800
Madagascar	—	—	—	—	—	23
United States (d)	21,343	r 16,035	25,098	39,441	(e) 50,716	(f) 27,181
Brazil (b)	3,044	3,726	2,958	2,526	1,606	9,349

Zirconium minerals are also known to have been produced in Ceylon and Cambodia.

(a) Exports.

(b) Chiefly baddeleyite.

(c) United States Bureau of Mines' estimate.

(d) Production of zirconium sponge metal in the United States was as follows (long tons):—1954—219; 1955—167; 1956—212; 1957—*n.a.*; 1958—1,129.

(e) Florida only.

(f) Excluding Idaho.

EXPORTS OF ZIRCONIUM MINERALS, Etc.

(Domestic Produce)

Long tons

Exporting Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
Gambia—						
Zircon	—	—	—	—	—	10
Union of South Africa—						
Zircon concentrates ..	—	—	—	—	—	391
Malaya—						
Zircon	—	—	81	45	41	25
Australia—						
Zircon concentrates ..	31,173	36,512	46,685	68,838	85,254	60,895
OTHER COUNTRIES						
Belgian Congo—						
Ore	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	24	—	37
French West Africa—						
Zircon	30	965	—	758	3,892	4,970
United States—						
Ores and concentrates ..	991	617	696	936	2,821	1,780
Zirconium metal, etc. ..	3	18	48	9	30	45
Brazil (a)	1,255	1,181	1,381	492	98	—

(a) Chiefly baddeleyite.

IMPORTS OF ZIRCONIUM MINERALS, Etc.
(Less Re-exports)

Long tons

Importing Country and Description	1953	1954	1955	1956	1957	1958
COMMONWEALTH COUNTRIES						
United Kingdom— Zirconium ores ..	4,548	5,627	9,168	12,138	19,848	17,778
Canada— Zirconium oxide ..	(£8,216)	(£3,652)	(£6,994)	(£6,199)	(£7,704)	(£8,263)
Zirconium silicate ..	(£47,139)	(£49,790)	(£42,315)	(£70,540)	(£135,104)	(£54,219)
OTHER COUNTRIES						
France— Zirconium ore ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	8,966	9,806	7,853
Germany (Federal)— Zirconium ore ..	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	6,964
Italy— Zirconium ore ..	131	103	130	6,862	2,862	9,928
United States— Zirconium ore (a) ..	22,025	16,658	25,974	27,803	37,225	17,165
Zircon (b) ..	19,821	14,554	24,591	27,099	37,196	17,121
Baddeleyite (c) ..	1,076	1,257	1,383	295	—	—
Zirconium metal ..	—	—	—	—	42	105

(a) As recorded in official trade returns. The zircon and baddeleyite shown are *not* additional but have been separated by the U.S. Bureau of Mines from this item.

(b) Zircon content of zirconium ore, rutile and ilmenite concentrates imported from Australia.

(c) Imported from Brazil. May include some zircon.

OTHER MINERALS AND METALS

These minerals are not separately recorded in the statistical returns of several countries.

Country and Description	1953	1954	1955	1956	1957	1958
Indium						
PRODUCTION*—						
Canada Troy ounces	6,752	477	104,774	363,192	384,360	69,000
Peru Troy ounces	—	—	—	4,790	—	—
Perlite						
PRODUCTION—						
United Kingdom Ton	620	—	—	889	440	113
Canada Ton	993	—	—	—	—	—
Australia .. Ton	—	<i>n.a.</i>	<i>n.a.</i>	339	—	—
New Zealand .. Ton	—	146	198	132	275	360
United States .. Ton	190,654	233,057	299,274	312,700	377,095	332,000
Sodium Carbonate (Natural)						
PRODUCTION—						
Kenya Ton	76,032	96,074	124,744	146,326	118,440	111,038
Union of South Africa .. Ton	—	1,168	996	1,095	—	—
Canada Ton	—	—	—	—	—	47
Egypt Ton	(a) 800	—	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
United States (b) Ton	374,291	470,787	547,852	582,938	582,783	562,000
EXPORTS—						
Kenya	73,875	102,341	116,614	137,148	116,456	104,016
Tellurium						
PRODUCTION—						
Canada Lb.	4,694	8,171	9,014	7,867	31,524	43,278
United States (c) Lb.	70,446	97,114	r 179,822	r 232,555	254,865	170,495
Peru Lb.	—	—	2,341	88	—	14,870
Japan Lb.	331	992	992	331	717	100
IMPORTS—						
Germany (Federal) Lb.	2,205	9,480	22,046	9,700	11,244	16,800

* The United States is also a substantial producer of indium but statistics of production are not available.

(a) Including sodium sulphate.

(b) Sold or used by producers.

(c) Including tellurium content of compounds.

MINERALS PRODUCED IN COUNTRIES OF THE BRITISH COMMONWEALTH

The following list comprises those minerals produced in Commonwealth countries during the period 1953-1958 for which data have been given in the preceding tables. Minerals outside the general coverage of the statistics in this Summary are excluded. Where the name of an element appears alone, the word "ores" or "minerals" is implied to follow; this list does not extend to the production of metals.

<p style="text-align: center;">Aden</p> <p>Salt</p> <p style="text-align: center;">Australia</p> <p>Antimony Asbestos Barytes Bauxite Bentonite Beryl Bismuth Cadmium China clay Chrome Coal Cobalt Copper Corundum Diamonds Diatomaceous earth Emery Felspar, China stone Fluorspar Fuller's earth Garnet Gold Graphite Gypsum Iron Lead Lithium Magnesite, Dolomite Manganese Mica Molybdenum Monazite Perlite Phosphate Platinum, Osmiridium Pyrites Salt Selenium Sillimanite, Andalusite Silver Sulphur Talc, Pyrophyllite Tantalite, Columbite Tin Titanium Tungsten Uranium Vermiculite Zinc Zircon</p> <p style="text-align: center;">Bahamas</p> <p>Salt</p>	<p style="text-align: center;">Bahrein (Protected State)</p> <p>Petroleum</p> <p style="text-align: center;">Barbados</p> <p>Natural gas</p> <p style="text-align: center;">Basutoland</p> <p>Diamonds</p> <p style="text-align: center;">Bechuanaland</p> <p>Asbestos Gold Kyanite Manganese Silver</p> <p style="text-align: center;">British Guiana</p> <p>Bauxite Columbite Diamonds Gold</p> <p style="text-align: center;">Brunei</p> <p>Natural gas Natural gasoline Petroleum</p> <p style="text-align: center;">Canada</p> <p>Arsenic Asbestos Barytes Bentonite Bismuth Cadmium Coal Cobalt Copper Diatomaceous earth Felspar Fluorspar Gold Graphite Gypsum, Anhydrite Indium Iron Lead Lithium Magnesite, Dolomite Mica Molybdenum Natural gas Natural gasoline Nepheline syenite Nickel Perlite Petroleum</p>	<p style="text-align: center;">Canada—(cont.)</p> <p>Platinum Pyrites Salt Selenium Silver Sodium carbonate Sulphur Talc Tantalite, Columbite Tellurium Tin Titanium Tungsten Uranium Zinc</p> <p style="text-align: center;">Ceylon</p> <p>Garnet Graphite Gypsum Mica Monazite Salt</p> <p style="text-align: center;">Christmas Island</p> <p>Phosphate</p> <p style="text-align: center;">Cyprus</p> <p>Asbestos Bentonite Chrome Copper Gypsum Magnesite Pyrites Salt</p> <p style="text-align: center;">Fiji</p> <p>Copper Gold Iron Manganese Silver</p> <p style="text-align: center;">Gambia</p> <p>Titanium Zircon</p> <p style="text-align: center;">Ghana</p> <p>Bauxite Diamonds Gold Manganese Salt Silver</p>
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Minerals produced in countries of the British Commonwealth (cont.)

Hong Kong	Kenya—(cont.)	Nigeria—(cont.)
China clay	Salt	Petroleum
Felspar	Silver	Salt
Graphite	Sodium carbonate	Silver
Iron	Talc	Tantalite, Columbite
Lead	Vermiculite	Tin
Molybdenum	Kuwait	Tungsten
Tungsten	(Protected State)	Zircon
India	Petroleum	Northern Rhodesia
Asbestos	Leeward Islands	Beryl
Barytes	Salt	Cadmium
Bauxite	Malaya	Cobalt
Bentonite	Bauxite	Copper
Beryl	China clay	Gold
China clay	Coal	Iron
Chrome	Columbite	Lead
Coal	Corundum	Manganese
Copper	Gold	Mica
Columbite	Iron	Selenium
Corundum	Monazite	Silver
Diamonds	Tin	Tin
Felspar	Titanium	Uranium
Fuller's earth	Tungsten	Zinc
Gold	Zircon	Nyasaland
Graphite	Malta	Asbestos
Gypsum	Salt	Corundum
Iron	Mauritius	Kyanite
Lead	Salt	Ocean Island
Magnesite, Dolomite	Nauru Island	Phosphate
Manganese	Phosphate	Pakistan
Mica	New Guinea	Bauxite
Nitrate of potash	Gold	Chrome
Petroleum	Platinum	Coal
Phosphate	Silver	Gypsum
Pyrites	New Zealand	Iron
Salt	Antimony	Natural gas
Sillimanite, Kyanite	Asbestos	Petroleum
Silver	Bentonite	Salt
Talc	Coal	Strontium
Titanium	Diatomaceous earth	Talc
Tungsten	Gold	Papua
Vermiculite	Iron	Gold
Zinc	Magnesite, Dolomite	Manganese
Zircon	Manganese	Qatar
Jamaica	Natural gas	(Protected State)
Bauxite	Perlite	Petroleum
Gypsum	Petroleum	Sarawak
Phosphate	Platinum	Bauxite
Kenya	Pumice	Gold
Asbestos	Salt	Petroleum
Beryl	Silver	Phosphate
China clay	Tungsten	Seychelles
Copper	Nigeria	Phosphate
Diatomaceous earth	China clay	Sierra Leone
Felspar	Coal	Chrome
Gold	Felspar	Columbite
Graphite	Gold	Diamonds
Gypsum	Lead	Gold
Kyanite	Monazite, Thorite	Iron
Magnesite		Platinum
Mica		
Pumice		

Minerals produced in countries of the British Commonwealth (cont.)

Somaliland
 Beryl
 Phosphate
 Tantalite, Columbite

Southern Rhodesia
 Antimony
 Arsenic
 Asbestos
 Barytes
 Beryl
 Chrome
 Coal
 Copper
 Corundum
 Diamonds
 Felspar
 Fluorspar
 Gold
 Iron
 Lead
 Lithium
 Magnesite, Dolomite
 Manganese
 Mica
 Nickel
 Pyrites
 Silver
 Talc
 Tantalite, Columbite
 Tin
 Tungsten
 Vermiculite

South West Africa
 Beryl
 Bismuth
 Cadmium
 Copper
 Diamonds
 Fluorspar
 Graphite
 Iron
 Lead
 Lithium
 Manganese
 Phosphate
 Salt
 Sillimanite, Kyanite
 Silver
 Tantalite, Columbite
 Tin
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 Vanadium
 Zinc

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 Barytes
 Fluorspar
 Gold
 Pyrophyllite
 Silver

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 Yttrotantalite

Tanganyika
 China clay
 Coal
 Copper
 Diamonds
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 Gold
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 Gypsum
 Kyanite
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 Magnesite
 Mica
 Phosphate
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 Silver
 Tin
 Tungsten
 Vermiculite

Trinidad
 Gypsum
 Natural asphalt
 Natural gas
 Natural gasoline
 Petroleum

Turks and Caicos Islands
 Salt

Uganda
 Asbestos
 Beryl
 Bismuth
 Cobalt
 Copper
 Gold
 Iron
 Lead
 Lithium
 Mica
 Phosphate
 Salt
 Silver
 Tantalite, Columbite
 Tin
 Tungsten

Union of South Africa
 Antimony
 Asbestos
 Barytes
 Beryl
 Bismuth
 China clay
 Chrome
 Coal
 Copper
 Corundum
 Diamonds
 Diatomaceous earth

Union of South Africa
 —(cont.)

Felspar
 Fluorspar
 Fuller's earth
 Garnet
 Gold
 Graphite
 Gypsum
 Iron
 Lead
 Lithium
 Magnesite
 Manganese
 Mica
 Molybdenum
 Monazite
 Nickel
 Oil-shale
 Phosphate
 Platinum, Osmiridium
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 Sillimanite, Andalusite
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 Talc
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