

G. W. ...
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COLONIAL GEOLOGICAL SURVEYS
MINERAL RESOURCES DIVISION

STATISTICAL SUMMARY
OF THE
MINERAL INDUSTRY

PRODUCTION, EXPORTS AND IMPORTS

1950-1955



LONDON
HER MAJESTY'S STATIONERY OFFICE

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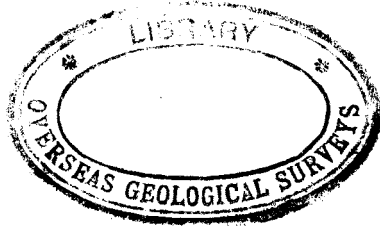
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This publication is prepared by the Statistical Section of the Mineral Resources Division of Colonial Geological Surveys which was transferred from the Imperial Institute to the Colonial Office in April, 1949.

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MAJOR CHANGES IN THIS ISSUE

From and including 1955 trade figures for South West Africa are included with those of the Union of South Africa.

Except in a few cases trade statistics for Australia now relate to the fiscal year ended June 30 of that stated.

For Spain see paragraph 8 of the explanatory notes on page iv.

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EXPLANATORY NOTES

(1) Although the statistics in this volume attempt to cover the world, it has not been possible to give complete information for some countries, especially those of eastern Europe, but in order that world totals may be arrived at, estimates for such countries have been included wherever possible.

(2) Both British and Foreign Countries are arranged alphabetically according to continents in the following order:—Europe, Africa, North and Central America, South America, Asia, Australasia.

(3) In the sections on copper, lead, tin and zinc, tables are given showing production of both ore and metal. The ore tables give the estimated metal content of ore produced. In some cases this figure has been obtained by the use of an average assay value, in others it represents the amount of metal actually recoverable. The ore is not necessarily smelted in the country of origin. It follows, therefore, that in the metal table, the metal production for a particular country may be derived from both domestic and imported ores. Secondary metal is excluded as far as possible, but where important is shown as a footnote to the producing country.

(4) Except where otherwise stated the trade figures are intended to represent imports retained, i.e., total imports less re-exports, and exports of domestic produce. In some cases, however, a certain amount of “nationalised” goods is included with domestic exports, namely goods originally imported, but which, if dutiable, have been charged with duty and subsequently re-exported. Where re-exports are not available, an indication to this effect is made by a footnote “total imports”. Goods imported for “improvement” and re-exports after “improvement” are also generally included.

(5) Figures of imports and exports for certain countries are not shown. This does not necessarily mean that there is no trade in the commodity but that the item is not recorded separately in the trade returns of the country concerned. In some cases figures have been arrived at by other means, as indicated by footnotes.

(6) Fuel for bunkering, which constitutes an important part of the trade of some countries, e.g., Aden, has been shown separately although in most countries where there is bunker trade the coal or oil is not produced locally. In these cases the figures given in the import tables are total imports less re-exports other than foreign fuel shipped in bunkers. Footnotes indicate that these imports include fuel intended for bunkering purposes and that the amount of foreign fuel shipped for this purpose can be obtained from the export tables. Thus, in order to ascertain the amount of imports retained the quantity of fuel of foreign origin exported for bunkering should be deducted from the figures shown in the import tables.

(7) Production statistics for Swaziland and Bechuanaland are recorded separately but the foreign trade is dealt with for Customs purposes as part of the Union of South Africa unless otherwise stated. From and including 1955 these trade figures also include those for South West Africa.

(8) From and including 1953 trade statistics for Spain and Spanish Dependencies exclude trade between these territories except in the cases of coal, coke and by-products, iron ore, manganese ore, petroleum and allied products, pyrites and salt.

(9) The factors used for converting volumes of liquids into long tons are approximate only. They are shown as footnotes to the tables relating to Coal by-products and Petroleum and Allied Products.

(10) Figures for the latest year are very often preliminary and therefore subject to revision.

(11) The units of quantity adopted are the cwt. of 112 lb. (avdp.); ton of 2,240 lb. (avdp); imperial gallon and metric carat. For precious metals the troy ounce of 480 grains is used. The symbol “—” means Nil or less than half the unit shown.

ABRASIVES*

PRODUCTION OF NATURAL ABRASIVES

(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Kenya—						
Corundum	2	—	—	—	—	—
Nyasaland—						
Corundum	184	106	46	—	15	18
Southern Rhodesia—						
Corundum	—	—	—	753	2,536	1,044
South West Africa—						
Corundum	10	—	—	—	—	—
Union of South Africa—						
Corundum	3,151	4,491	3,731	1,665	1,288	745
Canada—						
Grindstones	89	54	38	13	—	9
Ceylon—						
Garnet	—	—	—	—	—	5
India—						
Corundum	299	554	637	324	4,701	(a)
Malaya (exports)—						
Corundum	—	(b) 45	—	—	—	2
Australia—						
Emery	—	—	—	—	—	8
Corundum	—	—	54	—	—	9
Garnet	5	22	70	35	—	—
New Zealand—						
Pumice	9,716	8,774	9,612	2,013	8,854	7,741
FOREIGN COUNTRIES						
Belgium—						
Grindstones	36	63	66	55	52	48
France—						
Pumice	17,700	15,000	11,269	10,236	9,900	9,000
Millstones	3,196	5,229	2,865	2,107	2,448	4,000
Sharpening stones	394	198	192	226	200	}
Greece—						
Emery	5,000	6,500	6,000	10,000	8,000	9,000
Pumice	19,500 cu.m.	20,000 cu.m.	12,437 cu.m.	42,800 cu.m.	31,215 cu.m.	(a)
Pumicite	37,000	44,000	18,300	39,000	34,000	(a)
Italy—						
Pumice	101,961	121,927	132,620	205,009	(a)	(a)
Millstones	—	148	157	148	(a)	(a)
Sharpening stones	1,412	1,781	1,417	1,457	(a)	(a)
Whetstones	335	1,030	786	603	(a)	(a)
Norway (exports)—						
Millstones, grindstones, etc.	(a)	(a)	(a)	(a)	(a)	(a)
Portugal—						
Tripoli	1,224	1,034	1,011	972	1,795	2,231
Spain—						
Pumice	415	1,097	654	546	472	(a)
Tripoli	3,854	10,262	7,543	7,121	8,931	14,102
Garnet	133	125	185	212	195	(a)
Sweden—						
Grindstones and whetstones	517	833	871	835	849	(a)
Egypt—						
Pumice	354	40	394	679	394	161
Garnet	159	1	18	8	—	166

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Revised.

PRODUCTION OF NATURAL ABRASIVES (cont.)

Producing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Madagascar—						
Garnet	510	727	465	11	10	169
Mozambique—						
Corundum	16	—	—	1	1	8
United States (sales)—						
Emery	5,312	10,387	9,243	9,430	8,712	9,585
Garnet	8,307	12,545	10,170	9,393	12,663	10,567
Pumice (b)	642,282	669,591	533,075	(c)1,203,693	(c)1,470,890	(a)
Tripoli	39,036	33,461	31,660	32,306	37,165	41,937
Grindstones	3,960	4,954	3,537	2,231	1,980	2,499
Pulpstones	29	20	11	—	—	—
Argentina—						
Corundum	(a)	(a)	(a)	(a)	(a)	(a)
Garnet	(a)	(a)	(a)	(a)	(a)	(d) 150
Turkey—						
Emery	1,399	7,247	8,110	1,117	4,726	6,987

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

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

	1950	1951	1952	1953	1954	1955
Silicon carbide	39,965	62,752	52,926	47,235	44,929	66,917
Fused alumina	113,324	174,441	135,791	219,310	178,444	158,180

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

	1950	1951	1952	1953	1954	1955
Silicon carbide	58,039	89,730	81,724	55,626	59,796	66,790
Aluminium oxide	125,314	193,151	161,049	217,979	195,811	174,841
Metallic abrasives	128,869	147,445	140,209	143,304	105,443	140,729
(U.S. plants only).						

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

(a) Information not available.

(b) Used chiefly as a concrete aggregate and admixture. The amounts sold for abrasive purposes were as follows:

1950	24,621 long tons
1951	11,330 " "
1952	20,026 " "
1953	20,525 " "
1954	(a)
1955	(a)

(c) Including volcanic cinders used principally for ballast which, in 1953, amounted to 546,000 tons and to 616,000 tons in 1954.

(d) Estimated.

EXPORTS OF ABRASIVES*
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Abrasives, natural ..	1,923	2,674	1,836	1,746	2,327	2,619
do. artificial ..	1,232	1,184	713	642	1,031	1,656
Grinding wheels of—						
Artificial corundum, etc.	944	1,515	1,442	1,198	1,416	1,799
Carborundum.	2,034	2,208	1,372	1,050	1,161	1,261
Emery	279	415	265	135	180	169
Other hard abrasives	1,051	1,618	901	412	408	384
Grindstones and whetstones (b) ..	2,196	2,049	2,198	1,098	1,565	1,314
Other manufactured abrasives	667	1,136	714	364	355	332
Nyasaland—						
Corundum	184	99	46	—	} (d) 2,393	(d) 1,590
Southern Rhodesia—						
Corundum	—	—	—	807		
Union of South Africa—						
Corundum	2,917	4,649	3,583	1,829	1,262	760
Canada—						
Natural abrasives, including diatomaceous earth	6	19	17	19	11	29
Artificial abrasives, crude	167,006	241,259	189,171	270,581	230,485	230,144
Artificial abrasive wheels, etc. .. .	(£20,850)	(£20,770)	(£5,898)	(£4,193)	(£4,281)	(£6,447)
Grindstones	(£18,095)	(£24,450)	(£7,342)	(£8,202)	(£35,230)	(£16,378)
New Zealand—						
Pumice	1,329	1,238	791	803	706	1,515
Malaya—						
Corundum	—	45	—	—	—	2
FOREIGN COUNTRIES						
Austria—						
Emery and other natural abrasives	1,012	691	470	525	765	833
Grindstones, natural ..	28	2	—	1	—	—
do. artificial .. .	389	391	447	238	377	950
Millstones	413	427	185	133	401	236
Artificial abrasives ..	(c)	826	1,580	1,705	1,003	1,539
Belgium-Luxemburg						
E.U.—						
Corundum, artificial ..	3	11	22	19	26	7
Millstones and grindstones, natural and artificial	396	567	362	390	500	516
Other abrasives	124	155	3	93	503	45
Denmark—						
Emery	16	20	31	7	2	3
Millstones and grindstones, natural ..	239	534	365	176	228	149
do. artificial	14	80	54	36	208	227
Finland—						
Grindstones, etc. .. .	316	352	149	169	314	53

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Including all abrasive shapes cut from natural rock.

(c) Included with Emery, etc.

(d) Federation of Rhodesia and Nyasaland.

EXPORTS OF ABRASIVES (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
France—						
Corundum and emery..	254	271	249	200	309	204
Pumice	59	47	49	32	34	(a)
Millstones and grindstones	2,186	3,423	2,196	2,078	1,772	1,662
Whetstones	1,562	105	80	56	56	41
Carborundum	47	33	115	440	765	1,540
Corundum, artificial ..	3,365	5,597	3,495	2,341	3,999	5,481
Germany (Federal)—						
Emery	205	(b) 170	} 578	126	173	1,665
Carborundum, etc. ..	3,871	(b) 4,744				
Other abrasives ..	3,873	(b) 4,422				
Millstones, grindstones, etc.	1,464	4,801	2,799	2,112	2,544	2,595
Corundum, artificial ..	(a)	(a)	4,581	3,265	5,998	9,077
Greece—						
Emery	8,021	9,917	7,711	5,490	6,621	8,321
Pumice	22,474	9,999	9,690	29,853	16,732	17,993
Italy—						
Pumice	26,781	24,465	21,937	34,129	39,383	49,096
Emery and corundum	8	7	5	2	29	76
Tripoli	40	87	51	116	76	91
Corundum artificial ..	100	292	268	351	420	458
Netherlands—						
Emery, etc.	2,961	3,030	2,044	1,454	2,265	2,809
Norway—						
Emery, etc.	195	95	86	122	35	46
Whetstones	21	20	55	12	31	—
Other artificial abrasives	301	225	225	67	230	299
Sweden—						
Emery	15	4	9	2	4	1
Other natural abrasives	37	5	—	51	1	—
Carborundum, etc. ..	343	440	290	216	219	504
Corundum, artificial ..	1	97	42	47	230	392
Millstones, grindstones, etc.	639	840	704	394	533	589
Switzerland—						
Carborundum, emery, etc., crude	52	24	17	39	81	261
do. do. ground	1,541	2,176	1,652	1,187	1,563	2,299
Grindstones	29	45	10	1	3	—
Millstones	4	16	—	—	—	—
Madagascar—						
Garnet	559	667	380	115	1	189
Mozambique—						
Corundum	—	32	—	—	—	—
Costa Rica—						
Millstones	221	(a)	(a)	95	161	49
Mexico—						
Pumice, etc.	3	—	5	4,554	5,854	875
Millstones, whetstones, etc.	5	—	—	—	—	1
United States—						
Corundum	183	177	140	213	135	139
Emery powder	508	686	682	1,013	1,160	1,250
Grindstones	459	600	353	386	319	404
Whetstones, etc. ..	72	133	83	71	58	94

(a) Information not available.

(b) January to September only.

EXPORTS OF ABRASIVES (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
United States (cont.)—						
Other natural abrasives	36,466	42,019	32,117	49,849	46,736	58,670
Aluminium oxide, fused	14,250	15,185	8,915	8,454	10,103	11,781
Silicon carbide ..	4,815	6,593	6,856	4,704	5,886	6,313
Unfused alumina ..	113	79	79	232	173	105
Other crude artificial abrasives	43	101	31	22	15	51
Artificial abrasive wheels	1,709	2,776	2,017	1,601	1,914	2,191
Artificial hones, whetstones, etc.	902	1,303	974	896	1,269	1,380
Turkey—						
Emery and carborundum ..	8,205	10,717	6,139	3,201	8,458	9,230

IMPORTS OF ABRASIVES*

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Emery	6,227	6,926	4,163	3,049	6,986	4,062
Garnet concentrates—						
Unground	674	1,051	677	336	160	250
Ground	465	252	261	202	402	357
Other natural abrasives	6,439	6,707	5,755	4,054	6,201	9,067
Aluminium oxide ..	23,077	30,226	25,055	12,305	26,173	30,555
Carborundum—						
Unground	98	10,753	11,491	3,268	11,028	11,387
Ground	9,524					
Grinding wheels of hard abrasives	14	43	782	36	72	83
Grindstones and whetstones	13	9	7	2	2	48
Other manufactured abrasives	1,625	1,165	439	15	76	106
Malta—						
Pumice	(a)	(a)	(a)	(a)	14	200
Anglo-Egyptian Sudan—						
Grindstones	22	22	22	42	(a)	(a)
Kenya and Uganda—						
Grindstones, etc. ..	30	28	35	34	31	37
Mauritius—						
Grindstones, etc. ..	(£1,115)	14	43	49	39	(£2,760)
Tanganyika—						
Grindstones, wheels, etc.	14	13	16	17	14	23
Union of South Africa—						
Emery	20	20	21	26	43	(a)
Pumice	103	70	92	33	75	(a)
Other abrasives (£S.A.)	(£26,715)	(£122,594)	(£192,137)	(£56,109)	(£133,446)	(a)
Abrasive wheels and discs (£S.A.)	(£221,133)	(£169,727)	(£119,950)	(£83,864)	(£77,135)	(a)
Grindstones, millstones, etc. (£S.A.)	(£2,719)	(£6,891)	(£4,306)	(£4,044)	(a)	(a)
Canada—						
Pumice, etc. (b) ..	(£42,067)	(£43,714)	(£40,428)	(£59,823)	(£59,717)	(£77,948)
Emery, ground (b) ..	(£35,161)	(£54,276)	(£48,874)	(£60,236)	(£73,447)	(£75,512)
Artificial abrasives, ground	(£623,363)	(£686,134)	(£549,546)	(£638,104)	(£568,729)	(£723,285)
Buhrstones	(£477)	(£424)	(£538)	(£356)	(£353)	(£272)
Emery and artificial abrasives manufactures	(£37,833)	(£52,812)	(£62,959)	(£78,204)	(£110,186)	(£124,077)
Grindstones and wheels	(£357,063)	(£554,959)	(£596,337)	(£739,486)	(£699,348)	(£820,294)
British West Indies—						
Jamaica—						
Natural abrasives ..	(£345)	(£131)	(£177)	(£422)	63	32
Grindstones	(£850)	(£948)	(£3,403)	(£2,756)	7	8
Trinidad and Tobago—						
Grindstones and wheels	22	25	15	21	16	38
Ceylon—						
Grindstones	(£7,896)	(£6,774)	(£8,020)	(£8,935)	(£7,959)	(£1,195)
Cyprus—						
Grindstones and millstones	(£3,041)	(£2,176)	(£1,122)	(£2,900)	(£3,841)	(£2,858)

* See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Total imports.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES (cont.)						
Australia (b)—						
Emery	139	146	210	54	101	121
Corundum	9	26	1,097	2	33	13
Pumice (f.A.)	(£8,129)	(£8,933)	(£20,042)	(£12,168)	952	1,812
Grindstones, etc. (c) ..	91	122	167	73	103	182
Garnet grains	} 479	} 237	} 251	} 129	} 28	} 93
Tripoli						
Other natural abrasives						
Artificial abrasives (c) ..	1,038	2,117	1,858	1,284	2,244	2,773
New Zealand—						
Pumice	263	212	159	47	75	—
Corundum, emery, etc. ..	24	27	23	8	8	16
Carborundum, etc.	45	52	74	85	58	68
Grindstones, etc. (f.N.Z.) ..	(£15,746)	(£21,555)	(£19,703)	(£9,018)	(£13,807)	(£13,148)
Irish Republic—						
Grindstones, oilstones, etc.	142	145	127	112	119	159
FOREIGN COUNTRIES						
Austria—						
Emery and other natural abrasives	} 1,269	} 786	} 48	} 48	} 218	} 298
Artificial abrasives						
Pumice, etc.						
Grindstones, natural						
do. artificial						
Millstones	91	125	78	83	98	121
Belgium-Luxemburg						
E.U.—						
Corundum, artificial	861	1,129	921	705	935	1,269
Millstones and grindstones, natural and artificial	1,080	1,464	1,207	845	1,081	1,044
Silicon carbide	617	1,150	1,399	918	904	1,076
Other abrasives	4,460	7,892	5,775	12,034	27,273	1,063
Denmark—						
Emery, etc.	448	610	527	351	487	265
Pumice	242	581	713	1,505	768	946
Carborundum	227	310	202	276	256	780
Millstones and grindstones, natural	415	315	148	208	244	181
do. artificial	330	543	415	344	479	476
Finland						
Emery, pumice, etc.	635	706	414	428	828	672
Carborundum, etc.	78	154	65	52	134	242
Millstones, etc.	15	20	27	16	19	—
Whetstones, grindstones, etc.	1,050	1,676	2,207	479	1,418	1,368
France—						
Corundum	5	15	18	9	18	} 2,215
Emery	1,948	2,733	1,714	262	2,507	
Pumice	5,638	8,327	13,275	31,671	44,264	
Millstones and grindstones	151	846	548	517	680	943
Whetstones	556	172	81	130	131	169
Carborundum	2,016	3,012	2,233	1,015	1,044	2,143
Corundum, artificial	532	1,141	754	490	108	787

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Total imports.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Emery	2,025	} 8,083	5,238	3,951	6,312	8,117
Pumice, etc.	6,740					
Carborundum, etc.	686					
Other abrasives	80					
Millstones, grindstones, etc.	62	117	432	187	281	323
Corundum, artificial	(a)	(a)	694	628	1,225	1,142
Iceland—						
Millstones, etc.	19	38	26	29	30	38
Italy—						
Emery and corundum	1,740	910	1,117	1,749	1,142	1,937
Tripoli	(a)	23	58	49	341	576
Corundum, artificial	(b) 324	1,194	1,057	1,279	1,534	2,591
Carborundum	(b) 237	831	783	1,217	1,746	2,158
Netherlands—						
Emery	4,261	4,141	2,886	1,523	3,144	4,322
Other natural abrasives	888	998	580	1,392	2,005	2,400
Millstones and grindstones, natural	337	432	226	229	248	219
do. artificial	767	1,091	825	822	962	1,005
Other artificial abrasives	591	1,130	708	693	782	1,261
Norway—						
Emery, etc.	662	876	410	284	577	620
Whetstones	12	9	2	2	6	3
Other artificial abrasives	58	58	63	64	94	106
Portugal—						
Emery, etc.	221	339	405	213	350	382
Pumice	43	5	199	182	164	201
Millstones	136	228	198	95	121	150
Spain—						
Emery powder	186	15	128	57	16	(a)
Carborundum	135	109	509	328	376	(a)
Sweden—						
Emery	730	947	418	312	494	464
Pumice	178	208	116	138	156	226
Other natural abrasives	1,147	1,275	679	717	686	911
Carborundum, etc.	1,784	1,728	1,484	920	1,496	1,771
Corundum, artificial	1,409	2,315	1,614	923	1,501	2,693
Grindstones, etc.	1,482	2,022	1,879	1,067	1,441	1,769
Millstones	782	1,410	858	491	1,133	788
Switzerland—						
Emery, crude	458	816	649	232	410	693
Carborundum, emery, etc., ground	915	1,339	1,155	721	865	1,156
Millstones	54	47	73	40	24	32
Grindstones	297	338	256	206	203	238
Whetstones	16	22	15	18	17	18
Yugoslavia—						
Corundum, etc.	668	314	567	1,030	849	795
Grindstones, artificial	291	163	165	45	45	160
Algeria—						
Emery, corundum, etc.	70	93	16	3	3	5
Pumice	454	68	331	6,284	8,332	11,276
Millstones and grindstones	378	387	326	283	277	181

(a) Information not available.

(b) July to December only.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
Egypt—						
Emery, pumice, etc. ..	5,912	1,631	1,980	1,882	1,379	3,779
Millstones	1	71	19	29	6	26
Grindstones	196	207	149	94	134	136
Whetstones	12	14	10	17	41	10
Morocco (French)—						
Millstones and grindstones	59	102	104	107	126	(a)
Tunis—						
Pumice	(a)	414	(a)	3,121	5,361	3,643
Millstones and grindstones	(a)	219	(a)	127	97	99
Cuba (total imports)—						
Grindstones	413	1,214	994	614	742	(a)
Mexico (total imports)—						
Emery and corborundum	1,324	1,252	1,322	1,256	1,196	1,078
Pumice	8	8	3	3	4	5
Millstones and grindstones	313	435	453	450	451	665
United States—						
Corundum, crude ..	3,163	4,369	4,081	2,388	989	1,249
Emery, crude	1,541	2,509	(a)	(a)	500	750
Corundum and emery, ground	9	9	11	29	217	506
Pumice, crude	17,203	14,064	19,630	29,208	18,706	26,731
do. manufactured ..	877	670	427	842	848	1,337
Tripoli, etc.	(a)	10	1,461	332	—	25
Grindstones	265	190	174	6,412	} (a)	(a)
Buhrstones, hones, etc.	20	26	21	157		(a)
Crude artificial abrasives	141,204	208,406	164,960	255,862	200,103	197,143
Argentina—						
Emery	780	(a)	2,972	440	919	1,505
Grindstones	6	(a)	5	—	—	—
Oil stones	26	(a)	78	—	3	10
Brazil—						
Millstones, grindstones, etc.	(a)	1,451	961	121	940	1,095
Other abrasives ..	(a)	706	232	215	554	308
Chile—						
Emery	53	112	25	24	(a)	(a)
Carborundum	—	2	2	2	(a)	(a)
Millstones, grindstones, etc.	156	290	132	168	69	(a)
Columbia (total imports)—						
Emery and pumice ..	51	65	37	42	52	42
Millstones and grindstones	(a)	82	53	80	82	92
Peru—						
Emery and pumice ..	10	35	27	28	38	34
Millstones, grindstones, etc.	66	94	77	86	69	99
Venezuela—						
Emery and pumice ..	35	(a)	40	43	206	(a)
Indonesia—						
Emery	190	181	28	72	62	126
Other natural abrasives	112	120	138	81	95	77
Iran (b)—						
Emery, etc.	17	42	12	8	5	(a)
Iraq—						
Emery, pumice, etc.	46	3	2	2	2	(a)
Grindstones, whetstones, etc.	24	45	16	30	21	(a)

(a) Information not available.

(b) Years ended March 20 of that following.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Japan—						
Emery	15	200	96	290	58	197
Other natural abrasives	(a)	19	277	494	64	182
Grindstones, natural and artificial ..	29	22	66	140	66	67
Artificial abrasives ..	(a)	97	412	276	414	308
Lebanon—						
Emery	1	3	4	3	3	3
Pumice, etc.	7	29	2	13	2	23
Philippine Republic—						
Pumice	6	9	6	1	1	12
Siam (total imports)—						
Natural abrasives ..	(a)	(a)	(a)	123	272	(a)
Syria—						
Emery	100	23	(a)	53	93	(a)
Pumice, etc.	15	123	(a)	5	2	(a)
Turkey—						
Emery and carborundum, crude	14	—	—	—	1	4
Pumice	12	41	4	7	—	—
Millstones and grindstones	344	1,025	710	357	222	58
Grinding powder ..	72	17	1	10	—	38

(a) Information not available.

ALUMINIUM
(Including Bauxite and Cryolite)

PRODUCTION OF BAUXITE

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Gold Coast (b)	114,948	129,328	74,368	115,075	163,516	116,285
Jamaica (g)	—	—	340,420	1,154,172	2,033,786	2,645,345
British Guiana (c)	1,642,036	2,087,079	2,387,938	2,257,747	2,304,464	2,435,282
India	64,399	67,047	63,505	70,848	74,747	(a)
Malaya	—	—	21,796	152,170	165,621	222,162
Australia	3,467	5,084	7,235	4,052	5,487	7,563
TOTAL	1,825,000	2,288,500	(e)2,895,242	3,754,064	(e)4,747,621	5,500,000
FOREIGN COUNTRIES						
Austria	2,960	8,877	14,940	17,932	16,993	18,836
France	795,083	1,127,425	(e)1,101,337	(e)1,137,860	1,254,700	1,469,200
Germany (Federal)	4,100	5,243	5,851	5,163	2,293	(a)
Greece	76,225	161,072	280,413	323,057	347,936	492,271
Hungary (e)	569,000	741,000	1,188,000	1,372,000	1,240,000	1,221,000
Italy	150,961	171,266	(e) 261,352	(e) 267,099	290,422	320,814
Spain	11,994	10,414	11,512	5,106	5,644	6,366
U.S.S.R. (d)	700,000	800,000	900,000	1,000,000	1,025,000	1,050,000
Yugoslavia (e)	202,807	490,415	603,751	470,015	675,844	778,524
French West Africa (e)	9,055	—	97,813	320,399	484,377	485,389
Mozambique	4,268	4,187	2,449	3,058	2,397	2,611
United States (f)	1,334,527	1,848,676	1,667,047	1,579,739	1,994,896	1,818,038
Brazil	18,277	18,731	14,093	18,524	27,182	44,359
Dutch Guiana	2,013,058	2,657,347	3,172,833	3,224,617	3,367,137	3,013,569
Indonesia	522,754	632,172	338,325	147,190	163,110	259,511
TOTAL (d)	6,500,000	(e)8,700,000	(e)9,700,000	(e)9,900,000	10,900,000	11,000,000
WORLD'S TOTAL (d)	8,300,000	e 11,000,000	e 12,600,000	e 13,650,000	15,650,000	16,500,000

Bauxite is known to have been produced in Roumania and China.

(a) Information not available.

(b) Exports.

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

	1950	1951	1952	1953	1954	1955
Metallurgical	1,432,369	1,829,828	2,102,109	1,816,983	1,937,171	1,893,939
Chemical	68,385	71,151	30,843	52,090	35,285	50,765
Refractory	17,362	31,068	49,312	103,487	115,284	144,458
Abrasive	64,513	70,687	103,681	141,635	91,125	104,550

Exports of calcined ore are shown on page 13.

(d) Estimated.

(e) Revised.

(f) Dried bauxite equivalent.

(g) Revised and now represent dried bauxite equivalent.

PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons
1950	44,046
1951	62,159
1952	71,959
1953	44,419
1954	52,687
1955	41,131

PRODUCTION OF ALUMINIUM
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b) ..	29,468	27,725	28,006	30,916	31,603	24,445
Canada	354,359	399,192	446,212	489,683	498,122	521,565
India	3,596	3,848	3,566	3,759	4,886	7,225
Australia	—	—	—	—	—	(d) 1,000
TOTAL	387,423	430,765	477,784	524,358	543,611	554,235
FOREIGN COUNTRIES						
Austria	17,706	25,965	36,128	42,788	47,248	56,296
France	59,761	89,665	104,452	111,278	118,164	127,411
Germany—						
Federal (c)	27,398	72,963	98,887	105,251	127,178	134,901
East	2,000	6,000	8,800	9,600	21,000	26,000
Hungary	17,000	21,000	25,000	28,000	32,300	37,000
Italy	33,691	45,398	51,996	54,586	56,671	60,483
Norway	46,313	51,283	52,014	55,310	60,343	70,627
Spain	2,132	4,092	4,046	4,306	4,606	10,275
Sweden	3,974	6,608	8,115	9,496	10,444	9,877
Switzerland	18,900	27,000	27,000	29,000	25,600	29,500
U.S.S.R. (d)	190,000	210,000	240,000	280,000	310,000	390,000
Yugoslavia	1,901	2,783	2,523	2,748	3,441	11,317
United States (e) ..	641,627	747,215	836,902	1,117,869	1,304,076	1,398,022
Brazil	—	396	1,068	1,180	1,439	1,528
Formosa	1,793	2,937	3,795	4,837	7,018	6,891
Japan	24,377	36,329	41,986	44,775	52,273	56,600
TOTAL	1,080,000	1,350,000	1,550,000	1,900,000	2,180,000	2,430,000
WORLD'S TOTAL ..	1,467,000	1,781,000	2,028,000	2,424,000	2,724,000	2,984,000

Aluminium is known to be produced in other eastern European countries.

(a) Information not available.

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

1950	86,372 long tons
1951	87,029 " "
1952	93,248 " "
1953	89,999 " "
1954	103,354 " "
1955	127,089 " "

(c) In addition secondary metal was recovered as follows (all figures revised):—

1950	54,650 long tons
1951	52,750 " "
1952	47,989 " "
1953	47,875 " "
1954	68,898 " "
1955	91,601 " "

(d) Estimated.

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

1950	217,559 long tons
1951	261,257 " "
1952	271,895 " "
1953	329,077 " "
1954	281,000 " "
1955	320,831 " "

EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Alumina	13,479	17,924	4,787	15,788	10,497	20,259
Ingots, etc., including alloyed	5,429	2,053	1,757	11,357	4,033	3,638
Scrap, including alloyed	342	—	3	150	304	30
Sheets, strip and plates	12,547	10,401	7,526	7,895	8,012	8,871
do. alloyed	13,972	15,863	15,838	24,041	14,700	14,678
Discs, circles and slugs	7,465	4,506	3,010	3,736	4,767	5,411
do. alloyed	705	693	653	430	263	229
Bars, rods, etc., tubes, shapes and wire	2,158	1,901	2,169	1,343	3,462	5,520
do. alloyed	3,072	4,195	3,185	5,814	4,084	4,746
Powder	557	754	802	663	874	779
Foil incl. alloyed	3,605	3,848	2,992	2,748	3,688	4,747
Aluminium sulphates	38,350	33,025	31,921	29,542	35,752	38,985
Gold Coast—						
Bauxite	114,948	129,328	74,368	115,075	163,516	116,285
Southern Rhodesia—						
Ingots, blocks and rods	49	25	23	41	(a)	(a)
Union of South Africa—						
Aluminium sulphates	628	922	801	1,290	(a)	(a)
Canada—						
Blocks, bars and ingots	299,755	316,441	368,383	410,439	418,298	452,571
Scrap	4,146	3,528	3,119	12,012	12,431	11,716
Sheets, rods, etc.	10,219	13,218	21,087	15,515	15,577	14,873
Foil	636	1,440	1,126	437	491	803
Jamaica—						
Bauxite (d)	—	—	265,185	1,156,200	1,998,131	2,529,363
Alumina	—	—	—	28,732	106,366	183,969
British Guiana—						
Bauxite, dried	1,502,142	1,905,691	2,140,456	1,870,562	1,916,200	1,916,891
do. calcined	81,275	97,053	145,510	244,900	209,335	252,330
Hong Kong (re-exports)—						
Unwrought, including alloyed	(a)	(a)	17	—	3	58
Scrap	(a)	(a)	11	6	108	191
Plates and sheets	(a)	(a)	4	—	20	26
Foil	(a)	(a)	—	198	41	72
India—						
Bauxite	344	808	4,036	2,807	3,022	8,776
Malaya—						
Bauxite	15,891	20,660	26,984	136,161	167,290	259,442
Unwrought, including alloyed (c)				2	26	—
Plates sheets and alloyed (c)	187	413	462	371	269	357
Bars, rods, wire, foil, incl. alloyed (c)				15	11	3
Aluminium sulphates (c)	2,164	3,137	928	731	1,051	381
Australia (b) (e)—						
Bauxite	237	—	—	51	26	—
Pigs, ingots, alloyed, etc.	—	—	—	638	182	—
Scrap incl. alloyed	—	—	—	49	773	120
Bars, sheets and alloyed	52	460	70	28	66	29
Aluminium sulphates	107	26	74	18	49	(£3,383)

(a) Information not available. (b) Years ended June 30 of that stated. (c) Including re-exports.

(d) Revised. Figures now relate to bauxite containing 8–14% free moisture. (e) Revised.

EXPORTS OF ALUMINIUM, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
Austria—						
Bauxite	—	2,963	9,313	8,559	9,237	8,406
Crude, including alloys	13,400	6,968	10,591	25,823	20,911	24,974
Scrap	648	853	644	2,309	2,125	1,956
Sheets, rods, wire, foil, etc.	49	3,152	2,894	4,043	6,353	5,116
Belgium-Luxemburg						
E.U.—						
Alumina and hydrates ..	—	—	38	4	3	23
Crude	3,287	356	762	521	1,661	836
Scrap	733	166	124	200	257	170
Sheets, wire, etc. ..	1,475	4,338	3,567	3,060	3,849	6,215
Aluminium sulphates ..	7,262	25,042	9,587	16,275	22,692	26,708
Denmark—						
Refined cryolite ..	23,962	28,063	27,279	22,827	19,505	17,942
Crude	235	22	288	85	19	248
Scrap	48	10	134	505	292	343
Sheets, wire foil, etc. ..	232	383	339	305	59	101
France—						
Bauxite	257,726	359,976	333,219	272,540	312,748	345,628
Cryolite	—	1	20	7	—	—
Alumina	67,320	70,034	63,620	61,703	72,256	79,595
Aluminium hydrates ..	5,405	8,336	278	4,466	7,223	12,594
Ingots	16,507	8,771	8,959	38,018	16,435	21,957
Scrap	42	27	11	13	63	386
Sheets, wire, etc. ..	3,104	3,812	1,988	2,746	2,704	4,256
Powder	(a)	148	76	81	63	(a)
Aluminium sulphates ..	7,466	11,848	4,074	9,355	9,477	5,403
Germany (Federal)—						
Bauxite and cryolite ..	1,059	20	49	11	315	60
Alumina	(a)	(d) 11,586	49,389	62,478	90,642	76,374
Aluminium hydrates ..	(a)	(b) 7,501	4,623	9,508	14,169	16,348
Crude and alloyed ..	33,797	} 6,025	7,251	25,019	12,102	611
Scrap	712					
Sheets, wire, castings and alloyed	8,840	10,064	2,652	1,764	1,785	2,491
Foil	2,024	4,887	4,706	5,370	6,189	6,693
Powder	(a)	681	384	468	844	1,037
Aluminium sulphates ..	(c) 29,335	(b)(c) 16,258	(e) 13,562	23,546	27,721	38,579
Greece—						
Bauxite	64,117	177,312	296,269	309,447	337,653	471,114
Italy—						
Bauxite	—	1	1,045	—	—	—
Alumina	10,999	35,923	24,532	32,220	27,283	34,569
Aluminium hydrates ..	35	2	—	1	5	560
Crude	(f) 3,068	5,891	4,102	3,052	11,401	4,549
Aluminium sulphates ..	639	4,640	7,063	3,564	4,595	5,481
Netherlands—						
Crude and alloys ..	169	218	321	537	427	3,585
Scrap	2,836	1,186	2,677	2,311	1,778	1,250
Bars, sheets and wire ..	353	296	166	227	800	777
Foil	42	21	62	93	103	141
Norway—						
Alumina	6	1	32	—	31	3
Crude	39,714	41,220	34,501	47,811	45,657	60,463
Scrap	562	405	426	255	297	109
Bars	1,390	1,963	1,578	1,275	2,695	2,544

(a) Information not available.

(b) January to September only.

(c) Including refined bauxite.

(d) October to December only.

(e) April to December only.

(f) Including alloyed.

EXPORTS OF ALUMINIUM, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Spain—						
Powder	203	84	82	—	—	(a)
Sweden—						
Alumina	98	—	8	—	—	1
Crude	5	273	158	159	2,646	588
Sheets, tubes and wire ..	847	262	62	216	585	2,691
Scrap	292	230	795	1,873	702	821
Aluminium sulphates ..	11,254	9,037	8,381	6,562	7,937	8,687
Switzerland—						
Alumina	311	—	127	37	—	—
Blocks, ingots, etc. and scrap	9,412	2,208	3,365	8,324	7,659	4,523
do. (alloys)	2,436	1,316	1,769	2,270	2,363	2,624
Bars, sheets, tubes and wire	1,547	4,002	3,114	3,753	2,412	1,711
do. (alloys)	1,561	1,859	2,304	3,015	2,636	2,309
Yugoslavia—						
Bauxite	150,576	441,421	603,039	458,178	553,219	647,951
Alumina and hydrates ..	(a)	(a)	(b) 4,465	2,888	4,329	19,605
Crude	(a)	(a)	6	—	—	2,798
Scrap	62	162	675	1,292	844	297
Algeria—						
Ingots	11	72	26	—	—	—
Scrap	249	619	218	261	158	278
French West Africa—						
Bauxite (b)	10,113	—	58,190	355,535	448,911	471,946
Mozambique—						
Bauxite	3,705	3,021	2,175	2,131	2,105	1,763
Greenland—						
Cryolite	44,046	62,159	71,959	44,419	52,687	41,131
United States—						
Bauxite, etc.	45,209	85,565	41,329	27,907	16,174	14,117
Cryolite	1,850	1,426	74	117	77	154
Ingots and alloys	591	857	1,239	2,121	3,611	5,329
Scrap	713	5,607	917	4,090	35,123	16,331
Plates, sheets, bars, etc.	17,698	9,816	7,006	6,932	5,402	7,150
Foil	743	142	136	229	211	485
Aluminium sulphates ..	11,615	17,737	17,628	12,833	12,950	17,495
Brazil—						
Bauxite	11,850	8,709	98	591	118	3,255
Dutch Guiana—						
Bauxite (b)	2,050,699	2,632,311	3,104,957	3,225,244	3,371,891	3,011,672
Formosa—						
Ingots	(a)	(a)	(a)	1,897	2,334	(a)
Indonesia—						
Bauxite	540,853	601,824	216,575	159,918	242,882	258,623
Japan—						
Cryolite	(a)	98	1	—	447	—
Ingots, etc.	22,152	7,144	6,597	8,392	8,294	14,060
Bars, rods, plates, tubes and wire	4,353	6,113	6,329	2,841	5,620	9,665
Scrap	307	20	170	—	—	—
Aluminium sulphates ..	889	1,463	840	1,933	4,127	2,313

(a) Information not available.

(b) Revised.

IMPORTS OF ALUMINIUM, ETC.
(Less Re-exports)
(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Bauxite	198,607	345,447	282,626	268,764	370,372	328,058
Cryolite	3,403	3,630	3,270	2,262	3,766	3,403
Alumina	6	146	4	3	14	30
Ingots, etc.	141,205	175,626	237,131	178,799	190,597	247,185
do. alloyed	4	1,641	206	9	29	11,295
Scrap, including alloyed	836	990	1,307	526	299	459
Bars, sheets, tubes, etc., including alloyed	150	1,513	2,191	108	180	590
Foil incl. alloyed	185	921	648	228	457	669
Gold Coast—						
Sheets	(a)	(a)	(a)	(a)	693	1,084
Kenya (f)—						
Unwrought and scrap	(b) 149	(b) 56	191	59	397	414
Bars, sheets, rods, etc.	826	1,295	901	1,079	2,355	1,142
Mauritius (f)—						
Bars, sheets, wire etc.	(a)	16	55	87	35	77
Nigeria—						
Sheets	(a)	(a)	(a)	(a)	1,083	1,764
Northern Rhodesia—						
Ingots, bars and sheets	275	230	469	374	(c)	(c)
Southern Rhodesia—						
Ingots, bars and sheets	198	233	221	5	(d) 203	(d) 386
Foil	28	31	25	31	(d) 45	(d) 47
South West Africa—						
Ingots, bars, sheets, etc.	30	34	45	17	6	(g)
Tanganyika (f)—						
Bars, sheets, rods, etc.	627	553	420	369	488	462
Uganda (f)—						
Bars, sheets, rods, etc.	433	1,222	944	1,281	896	1,120
Union of South Africa—						
Ingots, blocks, and pigs	1,211	1,945	2,174	2,477	3,702	(h) 5,181
Sheet, wire, foil, etc.	1,125	1,515	1,631	548	365	(a)
Aluminium sulphates	114	2,239	1,147	114	(a)	(a)
Barbados—						
Sheets	(£10,636)	(£4,216)	(£14,317)	(£345)	(£13,788)	(£9,638)
Canada—						
Bauxite	e 1,662,167	e 2,144,428	e 2,191,847	e 2,400,415	i 2,638,767	i 2,582,227
Cryolite	3,334	5,818	2,005	75	3,977	3,038
Alumina	214	245	287	269	(j) 5,964	(j) 178,403
Ingots, rods, sheets, etc.	1,965	4,859	3,359	5,789	3,587	4,763
Scrap	379	40	459	111	85	127
Leaf and foil	(£43,122)	(£61,509)	(£68,501)	(£135,113)	(£113,473)	(£354,479)
Aluminium sulphates	3,518	7,989	9,262	13,513	15,923	13,925
Trinidad and Tobago—						
Aluminium sulphates	460	833	411	147	118	216
British Guiana—						
Sheets	(a)	148	377	(a)	478	272
Ceylon—						
Sheets	(a)	(a)	(a)	132	182	374
Foil	593	475	196	352	591	357
Hong Kong (total imports)—						
Unwrought (f)	(a)	(a)	104	727	644	1,336
Scrap	(a)	(a)	27	49	12	9
Plates, sheets, and wire	(a)	(a)	575	715	736	1,623
Bars, rods, pipes, tubes	(a)	(a)	328	491	226	72
Foil	(a)	(a)	(a)	411	175	343

(a) Information not available.

(b) Excess of re-exports.

(c) See under Southern Rhodesia.

(d) Federation of Rhodesia and Nyasaland.

(e) May include some alumina.

(f) Including alloyed.

(g) Included with Union of South Africa.

(h) Including South West Africa.

(i) Bauxite and alumina for refining.

(j) Bauxite and alumina for other purposes.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES (cont.)						
India—						
Ingots, blocks, bars, etc.	1,836	3,189	1,523	617	1,871	5,566
Sheets, circles and tubes	3,691	3,349	1,745	658	1,292	1,063
Aluminium sulphates..	1,433	1,522	121	742	281	310
Malaya (total imports)—						
Unwrought, including alloyed				9	2	9
Plates and sheets, alloyed	3,195	6,475	4,528	1,733	2,352	2,214
Bars, rods, pipes, tubes and wire, alloyed						
Foil, alloyed						
Aluminium sulphates ..	3,451	5,383	1,180	1,564	1,816	1,169
Pakistan (c)—						
Ingots, blocks, bars, etc.	(a)	123	(a)	1,818	598	859
Sheets and circles ..	(a)	1,595	2,073	351	530	1,000
Aluminium sulphates ..	(a)	2,524	985	1,272	2,295	3,157
Sarawak—						
Unwrought (e)	(a)	(a)	(a)	(a)	—	300
Bars, sheets, wire etc. (e)	17	28	72	115	195	148
Aluminium sulphates ..	14	26	5	25	36	7
Australia (b) (f)—						
Bauxite	—	3	14	—	—	9,337
Cryolite	34	97	2,094	196	161	88
Pigs, ingots, blocks (e) ..	6,563	8,568	11,661	6,285	9,248	12,763
Bars, sheets, tubes (e) ..	3,173	3,596	4,833	2,413	1,673	3,094
Wire (e)	9	3	137	331	6	6
Leaf and foil (g)	653	1,092	1,485	706	1,319	1,643
Aluminium sulphates ..	320	432	294	40	45	(a)
New Zealand—						
Ingots, etc.	249	173	141	458	568	612
Bars, sheets, tubes, etc. do. (alloyed) ..	3,504	2,514	3,850	803	1,048	1,818
Wire, including alloyed	395	329	711	433	412	
Leaf and foil	148	49	56	31	22	74
Aluminium sulphates ..	207	221	357	165	266	346
	665	129	635	677	1,165	(a)
Irish Republic—						
Bars, sheets, wire, etc. (e)	933	621	2,190	1,102	2,377	2,912
Foil (e)	186	207	272	464	520	541
Aluminium sulphates ..	2,175	3,137	2,239	2,313	3,329	3,288
FOREIGN COUNTRIES						
Austria—						
Bauxite	4,972	7,719	5,870	1,011	7,167	6,631
Cryolite	2,005	1,800	1,983	1,787	1,391	1,311
Alumina, crude (d) ..	38,113	37,790	55,209	33,697	43,030	58,506
do. calcined	39,822	48,977	69,362	80,601	104,476	101,086
Aluminium hydrates ..	1,067	1,585	1,570	2,382	2,750	3,254
Crude, scrap and alloys	13	45	86	80	56	154
Sheets, rods, wires, etc.	1,178	1,272	263	11	46	70
Aluminium sulphates ..	2,339	133	60	90	119	36
Belgium-Luxemburg						
E.U.—						
Bauxite	890	2,192	1,514	1,448	1,204	1,184
Alumina	124	1,245	88	149	918	211
Aluminium hydrates ..	4,329	12,702	1,938	8,022	10,035	11,580
Crude	8,545	14,148	13,048	12,309	17,656	24,135
Scrap	2,028	852	685	560	463	1,228
Bars, sheets, wire, foil, etc.	1,646	1,753	717	1,238	1,742	1,487
Aluminium sulphates ..	1,174	1,158	1,011	901	1,282	1,335

(a) Information not available.

(b) Years ended June 30 of that stated.

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

(d) Including other clays.

(e) Including alloyed.

(f) Revised.

(g) Total imports.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Bauxite	—	—	—	—	255	1,210
Crude cryolite	25,484	30,664	40,029	27,602	41,037	32,983
Crude	3,063	3,138	3,565	2,931	2,909	4,687
Scrap	155	62	261	228	236	223
Bars, sheets, plates, tubes wire and alloyed	1,914	3,042	1,933	1,289	1,773	1,724
Leaf	305	405	388	484	477	592
Aluminium sulphates ..	3,304	3,494	2,706	2,794	3,292	3,601
Finland—						
Alumina	25	17	27	58	37	68
Crude	630	1,579	1,485	1,606	1,128	2,703
Bars and sheets	1,358	2,110	2,310	2,422	3,659	6,513
Aluminium sulphates ..	8,154	16,003	8,326	11,150	18,023	18,195
France—						
Bauxite	69	89	2,494	3,623	11,847	10,224
Cryolite	1,243	1,679	2,902	1,768	1,209	1,314
Alumina	50	96	107	2	2	6
Aluminium hydrates ..	1	77	12	27	8	19
Ingots	19	1,438	3,721	345	1,565	1,046
Scrap	267	934	700	115	236	266
Sheets, bars and wire ..	19	160	541	271	246	393
Aluminium sulphates ..	1	12	5	—	—	21
Germany (Federal)—						
Bauxite	210,779	610,212	1,020,673	867,328	1,024,648	1,111,624
Cryolite	(a)	(a)	5,199	2,362	3,023	3,295
Alumina	—	—	—	—	31	2,178
Crude and alloys	4,973	11,364	9,537	22,066	53,436	79,397
Scrap	1,074					
Sheets, wire, castings, etc., and alloyed	39	308	47	37	179	42
Aluminium sulphates ..	(b) 13	(a)	14	—	—	—
Greece—						
Aluminium	2,581	1,268	1,171	756	1,285	1,674
Foil	515	147	63	116	175	
Aluminium sulphates ..	166	55	3	295	370	
Iceland—						
Aluminium sulphates ..	3	1	1	2	2	2
Italy—						
Bauxite	81,246	86,776	192,313	93,922	100,512	98,084
Cryolite	(c) 614	2,070	2,851	2,505	1,330	589
Alumina	21	27	11	46	49	63
Crude	(d) 13,731	3,521	3,919	3,590	3,103	5,284
Scrap	5,757	2,957	2,458	7,603	12,070	5,048
Aluminium sulphates ..	490	74	74	330	301	464
Netherlands—						
Bauxite	298	266	443	104	101	880
Cryolite	430	420	108	81	163	124
Alumina and hydrates ..	555	581	469	2,104	3,240	4,485
Crude and alloys	4,331	5,781	6,665	6,076	8,075	11,220
Scrap	186	58	24	38	205	261
Bars, sheets, wire, etc.	2,029	3,153	2,979	6,109	5,403	6,240
Foil	1,203	1,139	756	1,116	1,344	1,764
Aluminium sulphates ..	8,376	9,355	7,219	8,958	10,162	9,597
Norway—						
Bauxite	36,570	19,832	40,747	26,239	31,557	25,778
Cryolite	3,177	2,928	5,491	5,371	2,482	3,110
Alumina	79,732	74,462	71,359	76,670	121,138	137,683
Crude	998	1,667	1,561	2,250	1,061	71
Bars, sheets, etc.	434	874	1,210	612	760	1,146
Aluminium sulphates ..	7,707	8,367	7,018	6,929	8,709	10,795

(a) Information not available.

(b) Including refined bauxite.

(c) July to December only.

(d) Including alloyed.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Portugal—						
Cryolite	28	36	—	8	16	21
Powder	74	104	107	104	99	100
Ingots, sheets and wire	1,620	1,245	1,242	1,294	1,912	1,916
Aluminium sulphates ..	835	993	648	916	1,426	1,783
Spain—						
Bauxite	—	—	—	5,759	11,083	10,271
Alumina	4,854	8,693	10,711	8,728	11,690	17,984
Ingots and scrap	1,634	1,449	864	2,719	2,708	2,297
Sheets, tubes and wire ..	18	257	184	537	1,732	(a)
Powder	564	1,873	3,441	15	26	(a)
Sweden—						
Bauxite	9,299	7,240	8,690	16,597	23,798	22,572
Cryolite (including artificial)	901	735	923	769	1,379	1,617
Alumina	12,454	21,012	13,718	17,572	16,222	23,724
Crude	8,228	11,503	14,880	14,448	15,165	18,626
Scrap	428	333	257	216	103	64
Sheets, tubes and wire	1,582	3,677	3,651	1,970	4,782	4,737
Aluminium sulphates ..	113	772	2,807	66	1,002	6,213
Switzerland—						
Alumina, etc.	40,118	54,679	60,242	54,966	58,281	64,688
Blocks, ingots, etc., and scrap	2,702	5,039	4,870	3,306	8,714	9,684
do. (alloyed)	87	159	95	73	610	356
Bars, sheets, tubes and wire	116	344	210	95	92	30
do. (alloyed)	45	61	96	24	91	240
Aluminium sulphates ..	401	273	178	136	204	208
Yugoslavia—						
Cryolite	(a)	(a)	(a)	257	1,383	1,123
Crude	64	—	71	(a)	571	274
Sheets, tubes, wire, etc.	1,071	598	1,476	259	244	723
Algeria—						
Bauxite	22	521	2,980	6,889	1,968	1,575
Ingots, sheets, wire, etc.	1,182	1,016	574	708	1,229	1,177
Aluminium sulphates ..	368	330	387	731	850	778
Angola—						
Bars and sheets	92	87	91	46	55	106
Aluminium sulphates ..	86	1,046	129	107	256	129
Belgian Congo—						
Cryolite	(a)	(a)	(a)	22	10	20
Alumina	(a)	(a)	(a)	103	30	73
Ingots, bars, etc.	965	1,362	(a)	(a)	(a)	(a)
Aluminium sulphates ..	405	1,075	1,319	1,064	578	1,107
Egypt—						
Crude and scrap	(b) 94	5	45	12	12	68
Bars, sheets, tubes and wire	427	536	581	732	941	1,279
Foil	172	531	168	134	262	254
Aluminium sulphates ..	6,447	12,870	7,947	7,557	(a)	(a)
Morocco (French)—						
Bauxite	15	(a)	292	358	1,026	(a)
Aluminium sulphates ..	187	666	855	1,093	1,633	(a)
Mozambique—						
Bars, sheets, wire	155	52	35	28	49	45
Tunis—						
Ingots and scrap	(a)	90	(a)	76	10	11
Aluminium sulphates ..	(a)	79	(a)	212	86	146
Costa Rica—						
Bars, sheets, foil, etc. ..	34	(a)	(a)	68	15	193

(a) Information not available.

(b) Excess of re-exports.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Cuba (total imports)—						
Ingots and bars	392	352	397	222	187	(a)
Aluminium sulphates ..	2,161	4,757	2,621	1,525	2,128	(a)
Guatemala (total imports)						
Aluminium sulphates ..	1,472	856	547	614	318	579
Mexico (total imports)—						
Alumina	1,275	1,334	1,937	1,257	1,397	2,053
Ingots	2,550	3,308	1,974	4,969	4,514	7,865
Bars, sheets and wire ..	2,272	3,025	1,595	1,443	1,405	3,080
Foil	89	100	28	61	74	169
United States—						
Bauxite, crude dried ..	2,476,686	2,829,929	3,508,146	4,388,623	5,291,862	5,228,054
do. calcined	9	18,642	29,212	91,606	99,931	107,694
Cryolite	15,298	34,688	34,262	26,301	18,876	19,712
Aluminium hydrates ..	194	862	654	1,100	2,347	3,151
Crude and alloys	157,838	109,289	114,494	268,685	192,188	158,618
Scrap	60,678	17,865	6,248	23,769	13,254	36,410
Sheets, bars, etc. .. .	9,781	17,324	13,846	28,510	12,192	18,725
Foil (b)	265	724	848	812	819	1,569
Aluminium sulphates ..	2,763	4,627	6,588	1,801	3,516	4,721
Argentina—						
Bauxite	11,682	(a)	12,220	—	1	2,638
Ingots and sheets .. .	12,717	5,541	2,543	3,600	15,893	14,536
Aluminium sulphates ..	1,173	(a)	715	75	612	—
Brazil (total imports)—						
Cryolite	(a)	805	246	105	734	313
Ingots	6,739	10,719	5,827	7,275	14,955	6,348
Bars, sheets and wire ..	2,916	3,707	3,627	3,933	1,926	300
Scrap	(a)	(a)	(a)	—	—	—
Aluminium sulphates ..	3,184	6,788	4,691	3,735	6,701	2,873
Chile—						
Ingots	174	245	345	157	(a)	(a)
Scrap	17	71	32	31	(a)	(a)
Bars, sheets and alloyed	453	406	391	354	563	(a)
Aluminium sulphates ..	65	54	99	26	(a)	(a)
Colombia—						
Ingots, bars, sheets, etc.	(a)	551	546	1,028	1,535	1,449
Aluminium sulphates ..	4,647	4,003	4,879	3,667	6,734	6,198
Ecuador—						
Bars, sheets, etc. .. .	122	122	46	119	108	(a)
Aluminium sulphates ..	37	29	25	44	451	(a)
Peru—						
Ingots, scrap and alloys	3	10	2	9	54	74
Aluminium sulphates ..	928	1,559	1,603	2,456	2,495	2,505
Uruguay—						
Bauxite	—	984	—	—	(a)	(a)
Ingots, sheets, etc. ..	1,669	2,815	734	290	(a)	(a)
Aluminium sulphates ..	3,184	3,960	2,477	4,116	(a)	(a)
Venezuela—						
Crude	89	(a)	84	22	224	(a)
Aluminium sulphates ..	894	1,845	998	1,128	1,374	2,316
Formosa—						
Bauxite	(a)	(a)	22,706	9,224	44,681	(a)
Indonesia—						
Ingots	557	729	543	580	775	2,333
Aluminium sulphates ..	4,579	7,450	2,390	3,460	2,663	9,950
Iran (c)—						
Ingots, sheets, scrap, etc.	(a)	251	223	365	745	(a)
Aluminium sulphates ..	(a)	9	34	6	119	(a)

(a) Information not available.

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

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

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Iraq—						
Bars, sheets, wire, etc. . .	532	442	467	641	941	(a)
Aluminium sulphates . .	858	562	1,066	633	1,026	(a)
Israel—						
Ingots and sheets . .	6,832	1,800	1,917	589	904	1,780
Foil	81	24	76	94	137	127
Japan—						
Bauxite	106,515	329,095	112,864	243,450	289,516	337,890
Cryolite	10	2,040	768	1,598	901	21
Ingots, blocks, etc. . .	—	—	—	727	1,354	2
Scrap	1,116	394	246	3,965	3,285	810
Lebanon—						
Ingots, etc.	171	105	229	364	474	851
Philippine Republic—						
Foil	648	1,102	315	280	470	(a)
Aluminium sulphates . .	1,402	295	889	1,118	3,148	763
Syria—						
Ingots, etc.	114	58	146	177	305	183
Aluminium sulphates . .	145	220	(a)	43	107	(a)
Turkey—						
Bars, sheets, wire and alloys	275	1,490	601	2,665	1,724	1,148
Aluminium sulphates . .	1,353	1,927	1,958	1,898	2,117	2,609

(a) Information not available.

ANTIMONY

PRODUCTION OF ANTIMONY ORE

(Metal content)

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Southern Rhodesia ..	25	78	131	30	67	211
Union of South Africa ..	8,179	15,607	7,097	2,687	8,522	13,964
Canada (b)	—	—	—	—	—	—
Sarawak	2	—	—	—	—	—
Australia (c)	226	413	239	213	117	308
New Zealand	—	—	(e) 6	(e) 12	—	—
FOREIGN COUNTRIES						
Austria	402	490	383	485	383	440
Czechoslovakia (f) ..	2,000	1,600	1,600	1,600	(a) —	(a) —
France	406	601	544	310	—	79
Greece (e)	600	680	330	600	500	(a) —
Italy	661	(i) 714	(i) 618	(i) 415	283	359
Portugal	15	19	139	1	9	—
Spain	210	174	272	232	106	190
Yugoslavia	3,154	1,942	2,202	(e) 1,810	(g) 1,527	(g) 1,580
Algeria	1,230	1,440	1,299	1,783	2,260	969
Morocco (French) ..	695	942	827	57	383	312
Morocco (Spanish) ..	284	201	407	292	285	344
Mexico	5,776	6,717	5,444	4,219	4,116	3,757
United States (d) ..	2,229	3,100	1,929	332	684	565
Argentina	(a) —	(a) —	(a) —	(a) —	(a) —	6
Bolivia (exports) ..	8,630	11,629	9,651	5,693	5,136	5,274
Peru (h)	2,238	2,575	2,116	948	832	942
Burma	6	165	90	116	—	3
China (f)	6,000	8,000	8,000	8,000	8,000	8,000
Japan	158	220	206	316	261	319
Siam	85	64	69	45	69	24
Turkey	1,585	2,664	1,138	849	878	1,099
TOTAL*	44,800	61,500	45,200	31,000	36,000	41,000

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

(a) Information not available.

(b) The following figures represent the antimony content of antimonial lead and of flue dust and slags (long tons): 1950—287; 1951—2,992 (including antimony in flue dust produced in previous years); 1952—1,041; 1953—664; 1954—581; 1955—879.

(c) In addition the antimony content of antimonial slag obtained as a by-product of lead refining, was as follows (long tons): 1950—288; 1951—333; 1952—502; 1953—578; 1954—614; 1955—615.

(d) Secondary metal was recovered as follows (long tons): 1950—19,520; 1951—21,378; 1952—20,615; 1953—19,964; 1954—19,962; 1955—18,451.

(e) Estimated.

(f) United States Bureau of Mines' estimate.

(g) Metal.

(h) Including production from anode residues in 1950, 1951 and 1952.

(i) Revised.

EXPORTS OF ANTIMONY, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Regulus and refined ..	1,595	1,220	1,243	1,049	1,591	1,433
Southern Rhodesia—						
Ore	87	164	89	28	536	135
Union of South Africa—						
Ore	12,099	22,356	9,381	7,786	14,588	20,236
Canada—						
Antimonial lead ..						
(Sb content)	256	204	368	167	311	703
Hong Kong (re-exports)—						
Ore	1,816	7	—	1	1	7
Sarawak—						
Ore	5	—	—	—	—	—
Australia (b) (c)—						
Ore and concentrates ..	60	—	55	143	52	(a)
Regulus	(a)	(a)	(a)	(a)	10	13
FOREIGN COUNTRIES						
Austria—						
Ore	558	307	406	709	602	562
Belgium-Luxemburg						
E.U.—						
Regulus.. .. .	2,394	2,321	1,068	(a)	(a)	(a)
Oxide	637	759	418	683	872	579
Denmark—						
Regulus	10	—	—	—	—	—
France—						
Ore	136	8	3	11	1	1
Crude and regulus ..	238	433	131	722	298	386
Oxide	53	214	4	37	14	22
Germany (Federal)—						
Ore	(d) 232	(a)	—	—	—	6
Regulus, scrap, etc. ..	10	—	—	2	67	113
Oxide	193	333	20	151	156	300
Greece—						
Ore	(a)	59	196	(a)	(a)	(a)
Italy—						
Regulus	—	173	—	—	—	—
Netherlands—						
Regulus.. .. .	6	3	2	31	7	79
Portugal—						
Ore	21	24	36	—	—	38
Spain—						
Regulus	46	59	—	—	—	(a)
Sweden—						
Crude	29	33	25	42	48	60
Regulus	6	—	8	—	14	7
Yugoslavia—						
Regulus	1,630	1,097	1,101	1,214	1,182	1,297
Waste	—	1,798	1,033	(a)	(a)	(a)

(a) Information not available.

(c) Revised.

(b) Years ended June 30 of that stated.

(d) Including arsenical ores.

EXPORTS OF ANTIMONY, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Algeria—						
Ore	2,965	3,030	3,431	5,895	5,019	6,349
Morocco (French)—						
Ore	1,279	1,831	883	242	1,226	872
Regulus	(a)	(a)	22	—	—	(a)
Morocco (Spanish)—						
Ore	694	676	230	497	645	592
Mexico—						
Ore	9,381	13,986	8,712	7,184	7,529	7,311
Concentrates	—	96	—	—	—	—
Regulus	1,274	1,067	953	837	927	878
Sb content (b)	3,439	4,733	3,328	2,499	3,150	2,604
United States—						
Ore	6	5	22	—	—	7
Metal and alloys	132	145	122	23	39	182
Compounds	164	311	191	106	292	169
Bolivia—						
Ore (Sb content)	8,630	11,629	9,651	5,693	5,136	5,274
Peru—						
Ore and metal (Sb content)	992	1,223	466	991	1,246	815
Japan—						
Regulus	2	—	14	17	3	3
Siam—						
Ore	273	128	48	109	122	(a)
Turkey—						
Ore	1,434	1,589	400	1,011	1,919	1,168
Regulus	95	248	—	—	—	147

(a) Information not available.

(b) Total metal content of above items and *not* additional.

IMPORTS OF ANTIMONY, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates (b)	14,172	25,744	17,541	7,495	15,029	16,150
Southern Rhodesia—						
Refined and regulus ..	14	11	13	14	(d) 30	(d) 76
Union of South Africa—						
Refined and regulus ..	176	373	64	57	159	(a)
Canada—						
Regulus	1,434	608	769	772	912	607
Oxide	(a)	45	77	58	125	128
Hong Kong (total imports)—						
Ore	168	—	—	—	—	1
Australia (c) (h)—						
Concentrates	410	962	912	270	656	1,355
Crude and regulus ..	137	269	5	15	19	(a)
New Zealand—						
Refined and regulus ..	109	135	58	57	82	110
Oxide	77	98	94	53	122	141
FOREIGN COUNTRIES						
Austria—						
Regulus	129	44	97	137	99	86
Belgium-Luxemburg						
E.U.—						
Regulus	27	80	13	12	18	41
Oxide	35	67	34	56	70	72
Denmark—						
Regulus	406	174	120	32	131	252
France—						
Ore	2,851	3,361	4,482	3,502	7,858	6,348
Crude and regulus ..	259	389	300	2	15	—
Oxide and sulphide ..	28	32	16	13	33	18
Germany (Federal)—						
Ore and matte	1,197	(e) 1,048	(f) 261	991	1,799	2,020
Regulus and scrap ..	458	1,236	260	1,054	1,246	2,104
Oxide, etc.	236	184	97	68	136	99
Italy—						
Ore	45	89	2	6	37	—
Regulus	246	24	77	252	348	322
Oxide	339	57	151	308	269	349
Sulphide	(a)	5	10	10	12	13
Netherlands—						
Regulus	(g) 448	313	102	354	438	354
Oxide	494	500	167	351	475	530
Norway—						
Regulus	139	88	29	100	76	131
Portugal—						
Crude and alloys ..	23	16	31	27	28	31
Oxide	12	6	5	4	4	3
Sulphide	4	—	—	—	1	1
Spain—						
Regulus	—	25	—	—	—	(a)
Sulphide	6	1	—	3	2	(a)
Sweden—						
Crude	95	170	15	91	92	108
Regulus	327	315	147	209	251	298

(a) Information not available.

(b) Including crude.

(c) Years ended June 30 of that stated.

(d) Federation of Rhodesia and Nyasaland.

(e) January to September only.

(f) April to December only.

(g) Scrap only.

(h) Revised.

IMPORTS OF ANTIMONY, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
Switzerland—						
Regulus	263	290	108	152	143	226
Algeria—						
Regulus	3	17	23	20	8	19
Morocco (French)—						
Regulus	11	(a)	10	16	31	(a)
Tunis—						
Regulus	(a)	1	(a)	1	(a)	4
Mexico (total imports)—						
Oxide and sulphide ..	4	8	1	11	6	20
United States—						
Ore (<i>Sb content</i>) ..	8,717	10,629	7,094	6,944	4,216	6,670
Regulus, crude, etc. ..	4,153	1,992	3,016	2,347	2,502	3,274
Oxide	1,035	1,821	1,577	1,157	1,318	1,973
Argentina—						
Ore	1,354	(a)	59	241	582	561
Regulus and crude ..	74	(a)	871	—	—	—
Brazil (total imports)—						
Regulus	(a)	280	107	133	528	355
Oxide	(a)	158	52	33	51	22
Sulphide	(a)	229	128	23	165	127
Chile—						
Regulus	41	69	12	30	(a)	(a)
Peru—						
Regulus and sulphides	1	9	2	1	2	4
Uruguay—						
Regulus	10	11	17	3	(a)	(a)
Oxide	10	6	4	—	(a)	(a)
Indonesia—						
Regulus	69	144	52	32	25	205
Israel—						
Regulus	8	4	—	7	30	29
Japan—						
Ore and concentrates ..	169	1,698	452	2,642	2,331	1,849
Regulus	238	10	10	6	15	2
Philippine Republic—						
Regulus	2	3	5	5	22	(a)
Turkey—						
Regulus	—	—	—	6	—	—

(a) Information not available.

ARSENIC
PRODUCTION OF ARSENIC
(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Southern Rhodesia—						
White arsenic	112	75	507	371	409	454
Canada—						
White arsenic (b) ..	354	1,051	763	627	527	290
Australia—						
White arsenic	(c) 200	(c) 120	(c) 120	—	—	—
New Zealand—						
White arsenic	10	—	—	—	—	—
FOREIGN COUNTRIES						
Belgium (exports)—						
White arsenic	1,879	320	987	1,699	1,767	2,036
Finland—						
Concentrates (<i>As content</i>)	67	162	138	156	—	—
France—						
White arsenic	3,450	5,218	6,546	5,699	725	5,400
Germany (exports)—						
White arsenic, etc. ..	1,106	3,449	109	603	214	567
Greece—						
White arsenic	32	55	87	—	—	(a)
Italy—						
Mispickel (<i>As content</i>) ..	990	1,140	1,190	760	438	502
White arsenic	715	1,741	2,110	1,146	1,199	1,193
Portugal—						
Arsenic oxide (d)	598	735	1,343	1,145	1,457	1,680
Spain—						
Arsenic oxide (e)	343	400	508	729	398	176
Sweden—						
White arsenic	12,517	16,973	14,207	—	8,548	11,387
Mexico—						
Ores (<i>As₂O₃ content</i>) ..	8,845	12,561	2,820	1,967	2,388	2,907
United States—						
White arsenic	11,851	14,455	13,994	9,708	11,756	9,625
Brazil—						
White arsenic	1,050	1,300	948	467	1,137	962
Peru—						
White arsenic	—	—	15	—	93	(a)
Iran—						
Ore	750	(a)	(a)	(a)	(a)	(a)
Japan—						
White arsenic	1,306	1,352	1,380	1,408	1,414	1,706

White arsenic is known to have been produced in the United Kingdom, U.S.S.R., China and Korea.

(a) Information not available.

(b) Refined white arsenic produced plus the content of crude arsenic exported but excluding arsenic contained in gold ores exported.

(c) Estimated.

(d) Content of pyrites mined.

(e) Content of ore.

EXPORTS OF ARSENIC, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
White arsenic and other compounds of arsenic	4,554	3,583	4,746	1,120	1,491	3,372
Canada—						
White arsenic, etc. (c)	1,593	2,166	1,594	418	635	420
Australia (b) (f)—						
White arsenic	34	6	4	—	—	(a)
Other compounds	92	26	122	76	59	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Sulphide	124	142	94	76	73	117
White arsenic	1,879	320	987	1,699	1,767	2,036
Arsenates	877	615	1,110	84	115	104
France—						
White arsenic	834	4,941	2,564	1,576	3,005	5,898
Arsenate of lead	44	49	20	4	3	3
Other arsenates	497	240	236	125	380	145
Germany (Federal)—						
White arsenic, etc.	1,106	3,449	109	603	214	567
Arsenates	(a)	(a)	(e) 1,050	995	800	619
Italy—						
White arsenic	35	12	20	108	422	111
Netherlands—						
Arsenates	—	6	55	132	68	218
Portugal—						
Ore	50	—	225	—	—	—
White arsenic	1,225	794	1,200	1,140	1,077	1,684
Sweden—						
White arsenic	9,922	16,511	10,721	3,959	7,997	8,367
Mexico—						
White arsenic, pure	7,628	4,760	3,490	3,907	3,318	4,898
do. crude	3,505	4,445	262	113	164	1,447
Ores and concentrates	—	180	—	—	—	—
As ₂ O ₃ content (d)	8,429	11,572	2,236	2,906	3,395	5,194
United States—						
Arsenate of lead	464	280	114	135	317	482
Arsenate of lime	1,722	2,391	2,503	1,737	882	842
Peru—						
White arsenic	7	358	15	—	—	—
Turkey—						
Ore	5	2	2	2	5	2

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including arsenic contained in gold ores exported.

(d) Total content of above items and *not* additional.

(e) April to December only.

(f) Revised.

IMPORTS OF ARSENIC, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
White arsenic	5,803	6,780	8,308	1,450	4,869	6,082
Canada—						
Sulphide and white arsenic	7	16	9	14	—	—
Arsenate of lead ..	—	2	33	20	44	58
Arsenate of lime ..	—	26	60	106	73	252
India—						
Arsenic and its oxides ..	73	185	83	295	247	468
Pakistan (b)—						
Arsenic and its oxides	(a)	3	18	16	76	14
Australia (c) (e)—						
White arsenic	1,377	2,266	3,143	1,588	2,245	3,167
Arsenate of lead ..	—	—	2	6	17	9
Other compounds ..	214	113	162	11	27	11
New Zealand—						
White arsenic, etc. ..	29	76	176	81	177	211
Arsenate of lead ..	71	94	193	88	29	41
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
White arsenic	97	15	2	39	86	52
Denmark—						
Arsenate of lead ..	(a)	(a)	34	14	28	8
France—						
Sulphide	1	—	1	5	12	5
Metallic arsenic ..	11	22	13	8	13	21
White arsenic	65	12	—	10	77	72
Arsenate of lead ..	—	—	—	8	4	—
Germany (Federal)—						
White arsenic	} (d) 1,696	(d) 2,459	{ 2,044	1,734	1,697	2,510
Sulphide .. ..							16	32	29	21
Italy—						
White arsenic	213	303	375	304	625	357
Metallic arsenic ..	2	3	12	6	—	3
Netherlands—						
White arsenic	76	144	291	438	486	366
Arsenates	400	265	789	126	56	56
Portugal—						
Metallic arsenic ..	—	—	1	—	1	1
White arsenic	1	—	—	1	2	7
Arsenate of soda ..	3	1	1	—	—	—
Algeria—						
White arsenic	17	17	17	16	14	15
Sulphide	5	1	1	4	8	—
Arsenates	25	30	29	9	15	32
Belgian Congo—						
White arsenic	(a)	(a)	(a)	5	25	1
Arsenates and arsenites	(a)	(a)	(a)	15	5	42
Madagascar—						
Arsenates	15	22	15	9	7	7
Tunis—						
Arsenates	(a)	3	(a)	4	—	1
Mexico (total imports)—						
Arsenates and arsenites	627	2,384	1,066	379	48	22

(a) Information not available.

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

(c) Years ended June 30 of that stated.

(d) Includes other compounds.

(e) Revised.

IMPORTS OF ARSENIC, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Metallic arsenic	62	99	27	63	52	102
White arsenic	13,191	12,963	4,003	4,212	4,328	6,448
Sulphide	66	66	(a)	9	—	42
Arsenates of lime and soda	151	774	115	(b) 35	96	(b) 77
Argentina—						
Sulphide	1	(a)	—	2	6	—
White arsenic	709	(a)	1,748	1,097	962	813
Brazil (total imports)—						
White arsenic	(a)	96	912	1,019	950	1,971
Arsenate of lead	(a)	137	2	(a)	(a)	(a)
Chile—						
White arsenic	19	38	50	37	(a)	(a)
Arsenates	74	228	138	36	(a)	(a)
Columbia (total imports)						
White arsenic	(a)	25	48	3	4	34
Uruguay—						
White arsenic	371	200	148	225	(a)	(a)
Arsenate of lead	135	130	54	109	(a)	(a)
Japan—						
Sulphide	(a)	13	6	27	37	30
Turkey—						
Arsenic compounds ..	11	36	29	10	31	11

(a) Information not available.

(b) Arsenate of soda only.

ASBESTOS
PRODUCTION OF ASBESTOS
(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Bechuanaland Protectorate ..	—	36	398	455	902	1,274
Kenya (anthophyllite) ..	225	373	348	149	200	136
Nyasaland ..	—	—	—	—	—	5
Southern Rhodesia ..	63,863	69,342	75,745	78,338	71,395	93,983
Swaziland ..	29,167	31,218	31,044	26,878	26,913	29,119
Uganda ..	—	—	—	—	6	2
Union of South Africa—						
Amosite ..	37,851	48,262	56,500	34,159	41,002	44,765
Blue ..	27,320	30,053	39,942	33,667	39,059	43,609
Chrysotile ..	12,798	17,419	22,295	16,821	17,297	18,335
Anthophyllite ..	79	131	762	11	98	165
Canada (b)—						
Chrysotile ..	781,557	868,927	829,767	813,595	825,103	949,822
Crude ..	807	668	662	697	647	646
Fibre ..	272,495	297,322	313,968	291,375	291,654	352,764
Shorts and waste ..	508,255	570,937	515,137	521,523	532,802	596,412
Cyprus ..	14,752	16,909	16,294	14,255	15,309	15,306
India ..	208	518	865	718	389	(a)
Australia—						
Chrysotile ..	585	1,159	1,119	1,175	920	864
Crocidolite ..	1,031	1,399	2,940	3,795	3,793	4,487
Amphibole ..	1	—	—	—	—	—
New Zealand ..	41	813	682	—	—	154
Total ..	969,400	1,086,600	1,078,700	1,024,000	1,042,000	1,202,000
FOREIGN COUNTRIES						
Finland ..	10,776	12,049	10,266	8,613	7,011	8,002
France ..	7,338	6,977	7,445	9,243	10,500	9,700
Greece ..	30	33	25	1	2	3
Italy ..	21,094	22,619	24,263	20,981	23,175	29,701
Portugal ..	253	307	165	93	27	50
Spain ..	41	40	30	—	158	(a)
Yugoslavia ..	943	1,499	2,466	3,689	3,212	3,844
Egypt ..	256	1,227	59	—	—	—
Madagascar ..	—	17	3	7	—	—
Morocco (French) ..	503	591	567	535	533	563
Mozambique ..	—	—	—	—	175	269
United States ..	36,927	46,187	48,114	51,741	40,904	39,900
Argentina ..	(a)	(a)	(a)	(a)	(a)	180
Bolivia (exports) ..	163	311	457	723	30	(a)
Brazil ..	831	1,300	1,284	1,212	2,515	2,789
Chile ..	169	(a)	(a)	(a)	(a)	(a)
Venezuela ..	187	256	387	39	663	1,569
Formosa ..	(a)	34	24	—	146	361
Japan—						
Chrysotile ..	5,575	5,787	2,994	4,014	6,124	6,190
Amphibole ..			15	—	51	—
Turkey ..	241	79	—	—	44	231
Total* ..	85,000	99,000	98,000	101,000	94,000	104,000
WORLD'S TOTAL* ..	1,055,000	1,186,000	1,177,000	1,125,000	1,136,000	1,306,000

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

(a) Information not available.

(b) Sales and shipments.

(c) Estimated.

EXPORTS OF ASBESTOS
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Crude and fibre	2,434	2,665	3,159	3,229	3,891	3,785
Waste, incl. asbestic ..	1,163	1,021	1,184	866	919	968
Packing, etc.	10,683	13,581	12,176	9,718	12,103	14,162
Cement products	107,978	123,078	133,878	130,039	109,809	127,050
Yarn and cloth	1,995	2,290	2,311	2,539	2,676	2,889
Other manufactures	7,851	14,792	11,718	7,315	9,625	12,499
Kenya—						
Crude	(a)	(a)	(a)	(a)	54	42
Manufactured	3	—	(a)	(a)	(a)	(a)
Southern Rhodesia—						
Unmanufactured	65,874	61,012	74,228	63,954	(b) 72,475	(b) 82,569
Cement sheets	(£134,635)	(£136,254)	(£216,646)	(£220,286)	(b)(£63,710)	(b)(£56,533)
Other manufactures	(£40,487)	(£52,560)	(£47,371)	(£35,448)	(b)(£12,715)	(b)(£5,464)
Union of South Africa—						
Unmanufactured	90,695	112,946	122,448	90,473	113,773	121,978
Sheets .. (£ S.A.) .. .	(£91,071)	(£100,582)	(£155,023)	(£118,952)	(a)	(a)
Other manufactures	(£ S.A.) (£138,367)	(£192,918)	(£315,024)	(£416,980)	(a)	(a)
Canada—						
Crude	754	589	618	570	572	523
Fibre	258,748	289,816	303,409	282,668	279,325	326,768
Shorts and waste	481,550	550,946	501,382	501,164	512,717	567,197
Manufactured	(£237,958)	(£507,794)	(£463,419)	(£211,278)	(£477,060)	(£1,055,370)
India—						
Crude	8	25	40	59	70	546
Manufactured (by sea) ..	(£3,328)	(£2,104)	(£5,475)	(£27,974)	(£67,922)	(£59,268)
do. (by land) (e) .. .	(a)	—	—	—	665	2,049
Malaya (incl. re-exports)—						
Cement products	3,061	3,963	3,667	3,402	7,653	8,688
Other manufactures	59	104	112	17	36	22
Cyprus—						
Unmanufactured	15,471	15,088	18,187	9,200	18,164	12,845
Hong Kong (re-exports)—						
Unmanufactured			44	—	—	—
Manufactures	(£114,977)	(£326,041)	(£208,317)	(£34,497)	(£44,543)	(£33,840)
Australia (c) (d)—						
Crude and fibre	280	500	868	1,631	2,298	3,287
Packing (£A)	(£15,636)	(£19,799)	(£12,316)	(£15,198)	(£21,303)	(£10,333)
New Zealand—						
Unmanufactured	—	4	—	—	—	—
Cement products	(£6,541)	(£11,373)	(£6,208)	(£7,309)	(£3,383)	(£3,113)
FOREIGN COUNTRIES						
Austria—						
Unmanufactured	21	29	5	—	5	6
Manufactured	136	233	128	2,288	1,433	1,743
Belgium-Luxemburg						
E.U.—						
Unmanufactured	626	692	1,016	213	140	300
Spun and woven	291	203	279	291	296	375
Paper and board	340	838	344	402	576	625
Cement sheets and tiles ..	58,229	82,011	72,848	95,504	92,856	115,742
Other manufactures	32	221	30	81	18	25
Denmark—						
Cement sheets	10	873	1,304	689	987	3,479

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Years ended June 30 of that stated.

(d) Revised.

(e) Years ended March 31 following that stated.

EXPORTS OF ASBESTOS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Finland—						
Unmanufactured ..	2,264	2,880	2,451	2,968	3,878	4,467
Manufactured ..	800	860	556	432	862	735
France—						
Unmanufactured ..	2,062	2,504	2,802	3,013	4,926	2,592
Spun and woven ..	174	209	118	137	195	156
Paper and board ..	287	433	279	193	328	224
Germany (Federal)—						
Unmanufactured ..	15	40	51	163	440	172
Spun and woven ..	48					
Paper and board ..	360	2,045	858	1,708	2,022	1,827
Other manufactures ..	261					
Italy—						
Unmanufactured ..	2,840	1,384	1,552	2,369	2,289	4,268
Manufactured ..	31,779	27,189	33,080	16,811	11,613	15,353
Netherlands—						
Unmanufactured ..	8	27	29	5	22	49
Cement sheets, tiles, etc.	862	1,811	4,568	6,985	3,100	3,680
Other manufactures ..	85	144	118	245	542	733
Portugal—						
Unmanufactured ..	166	78	71	23	30	16
Spain—						
Unmanufactured ..	2	10	8	—	—	(a)
Manufactured ..	252	498	687	65	59	(a)
Sweden—						
Unmanufactured ..	240	43	14	4	1	1
Manufactured ..	19	31	12	11	29	34
Switzerland (including mica)—						
Unmanufactured ..	91	38	106	1	6	26
Manufactured ..	281	397	278	236	437	690
Yugoslavia—						
Unmanufactured ..	34	204	40	99	107	1,975
Egypt—						
Unmanufactured ..	43	15	6	50	(a)	(a)
Madagascar—						
Unmanufactured ..	1	17	—	5	—	—
Morocco (French)—						
Unmanufactured ..	154	177	20	81	34	476
Mozambique—						
Unmanufactured ..	—	—	—	2	91	268
United States—						
Unmanufactured ..	16,876	12,766	9,166	2,482	1,649	1,929
Spun, woven and packing ..	1,085	1,051	1,119	899	1,238	1,080
Brake linings ..	(£1,223,801)	(£2,628,549)	(£1,821,697)	(£1,354,483)	(£1,644,276)	(£1,790,435)
Clutch facings ..	(£206,083)	(£334,255)	(£519,934)	(£485,183)	(£312,972)	(£332,472)
Pipe covering and cement ..	1,021	1,809	2,075	1,929	1,869	2,714
Other manufactures ..	11,540	13,176	14,904	13,222	13,443	14,638
Argentina—						
Manufactured ..	1	(a)	1	1	—	—
Bolivia—						
Unmanufactured ..	163	311	457	723	30	(a)
Peru—						
Manufactured ..	18	298	143	69	1	—
Venezuela—						
Unmanufactured ..	20	63	40	68	301	(a)
Japan—						
Unmanufactured ..	108	99	57	89	19	23
Manufactured ..	80	1,372	427	778	1,490	2,506
Turkey—						
Unmanufactured ..	28	15	1	2	—	104

(a) Information not available.

IMPORTS OF ASBESTOS

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Crude and fibre ..	109,498	121,894	125,260	98,958	110,040	121,886
Waste, including asbestos	10,208	10,490	6,331	10,380	13,802	22,490
Cement products ..	6,521	5,291	2,480	3,671	5,795	8,405
Other manufactures ..	150	117	228	507	94	141
Channel Islands—						
Manufactures	1,203	1,224	700	582	892	999
Malta—						
Manufactured	(a)	(£899)	(£1,366)	(£4,919)	(£5,202)	(£4,695)
Anglo-Egyptian Sudan—						
Sheets, pipes, etc. ..	2,249	3,889	2,729	12,593	8,116	1,989
Gold Coast—						
Cement sheets, pipes etc.	(a)	(a)	(a)	(a)	18,360	21,347
Kenya—						
Manufactured	3,020	3,797	3,434	2,953	2,228	4,400
Mauritius—						
Sheet and millboard ..	(a)	(a)	483	165	66	56
Other manufactures ..	16	178	488	158	36	(£59,418)
Nigeria—						
Cement sheets, pipes etc.	(a)	(a)	(a)	(a)	10,762	23,332
Northern Rhodesia—						
Cement sheets, pipes, etc.	(£224,620)	(£293,559)	(£401,250)	(£397,595)	(c)	(c)
Nyasaland—						
Cement sheets, etc. ..	1,817	726	1,289	657	(c)	(c)
Seychelles—						
Cement sheets	131	415	557	25	(a)	(a)
Sierra Leone—						
Cement sheets and pipes	(a)	(a)	(a)	(a)	1,159	879
Southern Rhodesia (total imports)—						
Cement sheets, etc. ..	(£20,274)	(£49,753)	(£95,051)	(£55,096)	b (£105,141)	(b) (£99,462)
Cement pipes	4,083	3,400	5,543	4,881	(b) 4,571	(b) 5,816
South West Africa—						
Packing (£S.A.)	(£2,309)	(£1,352)	(£3,169)	(£6,442)	(a)	(a)
Cement sheets (£S.A.)	(£15,692)	(£22,492)	(£39,340)	(£28,577)	(a)	(a)
Other manufactures (£S.A.)	(£11,129)	(£15,883)	(£29,199)	(£73,997)	(a)	(a)
Tanganyika—						
Manufactured	3,575	3,316	3,805	2,077	391	1,610
Uganda—						
Manufactured	1,220	1,315	1,375	2,109	651	3,240
Union of South Africa—						
Packing (£S.A.)	(£111,953)	(£170,484)	(£212,574)	(£233,402)	(d) (£4,660)	(a)
Cement products (£S.A.)	(£9,124)	(£15,542)	(£17,615)	(£16,959)	(£7,380)	(a)
Other manufactures (£S.A.)	(£57,057)	(£19,257)	(£13,426)	(£31,852)	(£5,288)	(a)
Zanzibar—						
Manufactured	422	121	239	331	225	246
Canada—						
Packing	149	184	137	131	122	117
Other manufactures ..	(£797,705)	(£1,056,859)	(£1,131,518)	(£1,036,599)	(£1,180,653)	(£1,371,384)
British West Indies—						
Barbados—						
Cement sheets	(£17,238)	(£24,155)	(£15,177)	(£7,132)	(£13,065)	(£29,149)
Bermuda—						
Sheets, etc.	(£2,400)	(£12,527)	(£6,455)	(£26,092)	(£6,720)	(£11,643)
Grenada—						
Manufactured	(£829)	(£1,357)	(£1,387)	(£1,102)	(£152)	(a)

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) See under Southern Rhodesia.

(d) Excess of re-exports.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies <i>(cont.)</i>						
Jamaica—						
Unmanufactured ..	(£631)	(£705)	(£1,087)	(£441)	11	49
Manufactured	(£55,789)	(£108,549)	(£94,623)	(£77,898)	1,703	1,028
St. Vincent—						
Sheets	(£148)	(£54)	(£946)	6	23	2
Trinidad and Tobago—						
Cement products ..	856	2,051	1,196	785	1,636	1,206
Other manufactures ..	215	258	456	99	349	251
British Guiana—						
Cement sheets, etc. ..	(a)	542	426	(£5,174)	(£7,019)	358
Other manufactures ..	(a)	255	237	(£22,447)	(£14,034)	969
Aden—						
Manufactured	—	—	—	—	—	606
Ceylon—						
Cement sheets, etc. ..	(a)	(a)	(a)	12,994	9,276	11,123
Other manufactures ..	(a)	(a)	(a)	76	318	52
Cyprus—						
Cement products	540	3,680	1,159	3,073	3,643	(£5,290)
Other manufactures ..	(£1,691)	(£411)	(£1,854)	(£2,747)	(£6,389)	(£40,599)
Hong Kong (total imports)—						
Unmanufactured	(£155,009)	(£477,201)	25	—	—	5
Manufactures			(£244,699)	(£133,014)	(£25,670)	(£34,450)
India—						
Unmanufactured	10,783	10,925	11,148	2,849	8,263	12,771
Cement products	6,213	4,391	914	178	1,122	2,474
Packing	(£24,652)	(£32,291)	(£73,062)	(£111,620)	(£108,224)	(£162,046)
Other manufactures ..	(£88,121)	(£217,788)	(£220,634)	(£259,657)	(£279,242)	(£253,366)
Malaya (total imports)—						
Unmanufactured	(a)	(a)	(a)	1,077	2,719	1,885
Cement products	8,267	12,536	17,209	13,608	19,897	27,124
Other manufactures ..	2,402	4,921	5,810	250	265	391
North Borneo—						
Sheets, etc.	(a)	806	1,213	598	929	1,339
Pakistan (b)—						
Cement sheets	(a)	6,766	6,265	3,714	4,844	3,854
Sarawak—						
Sheets	233	224	420	485	180	609
Other manufactures ..	24	19	60	41	16	8
Australia (c) (e)—						
Crude	16,557	32,525	24,686	28,784	26,406	42,677
Packing, etc. (£A) ..	(£244,018)	(£196,721)	(£340,683)	(£239,483)	(£431,866)	(£498,477)
New Zealand—						
Unmanufactured	3,785	2,348	4,749	1,842	3,460	4,053
Cement sheets	(d) 456,577	(d) 1,035,661	(d) 649,534	(d) 44,707	(d) 33,437	(d) 69,474
Other manufactures (£ N.Z.) ..	(£93,780)	(£114,686)	(£161,268)	(£123,886)	(£155,224)	(£191,727)
Irish Republic—						
Unmanufactured	(a)	(a)	2,931	1,887	2,301	1,564
Manufactured	5,763	8,768	6,272	3,943	2,612	5,221
FOREIGN COUNTRIES						
Austria—						
Unmanufactured	3,441	8,458	6,311	5,410	6,653	12,281
Manufactured	75	87	115	86	163	231

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

(d) Square yards.

(e) Revised.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E. U.—						
Unmanufactured ..	21,510	32,018	32,272	29,504	30,173	40,576
Spun and woven ..	148	271	513	153	196	204
Paper and board ..	466	511	367	518	616	548
Cement sheets and tiles ..	128	62	151	530	375	1,834
Other manufactures ..	389	801	664	557	951	1,008
Denmark—						
Unmanufactured ..	9,828	8,257	11,853	10,041	9,933	9,421
Spun and woven ..	107	113	171	136	131	156
Paper and board ..	326	502	314	331	511	529
Packing, etc. ..	270	58	27	109	195	193
Cement sheets ..	5,338	52	48	218	178	250
Finland—						
Unmanufactured ..	972	1,132	1,245	878	1,261	1,386
Manufactured ..	210	587	333	195	532	553
France—						
Unmanufactured ..	33,028	39,815	55,149	32,341	37,746	50,541
Spun and woven ..	8	4	7	20	20	19
Paper and board ..	142	136	142	134	151	248
Germany (Federal)—						
Unmanufactured ..	13,638	24,928	36,574	28,260	37,671	63,327
Spun and woven ..	405	679	445	427	485	635
Paper and board ..	348					
Other manufactures ..	28					
Greece ..	175	89	410	211	158	(a)
Iceland—						
Unmanufactured ..	31	34	42	42	8	51
Manufactured ..	124	27	20	66	32	35
Italy—						
Unmanufactured ..	6,166	9,285	9,436	10,214	11,609	13,563
Manufactured ..	612	1,107	634	746	764	907
Netherlands—						
Unmanufactured ..	6,825	6,140	8,737	10,077	8,818	11,278
Cement sheets, tiles, etc.	26,343	32,142	19,981	32,546	40,335	49,051
Other manufactures ..	1,283	1,342	1,675	2,094	2,558	2,803
Norway—						
Unmanufactured ..	2,634	3,302	3,202	2,376	3,170	3,819
Manufactured ..	745	1,406	1,120	970	2,777	5,266
Portugal—						
Unmanufactured ..	2,286	1,454	2,210	1,516	1,898	2,960
Manufactured ..	50	121	98	49	64	63
Spain—						
Unmanufactured ..	4,315	4,615	8,693	5,745	7,511	(a)
Manufactured ..	253	236	192	179	83	(a)
Sweden—						
Unmanufactured ..	10,084	5,197	11,076	10,645	14,180	12,728
Manufactured ..	1,811	2,146	1,494	1,443	1,859	2,107
Switzerland (including mica)—						
Unmanufactured ..	4,230	5,908	5,057	4,323	5,003	5,486
Manufactured ..	1,491	2,157	1,722	1,830	2,579	3,234
Yugoslavia—						
Unmanufactured ..	3,893	295	1,886	1,929	2,136	3,132
Manufactured ..	195	142	276	276	236	336
Algeria—						
Unmanufactured ..	1,527	1,652	2,932	1,755	2,776	3,986
Manufactured ..	153	173	40	32	38	60
Angola—						
Unmanufactured ..	48	250	264	587	664	608
Manufactured ..	16	6	12	12	44	9

(a) Information not available.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgian Congo—						
Unmanufactured ..	1,323	1,981	2,939	2,513	1,950	2,128
Egypt—						
Unmanufactured ..	854	962	1,740	1,563	1,754	2,515
Paper and board ..	95	183	102	35	135	152
Other manufactures ..	366	248	328	115	212	299
Morocco (French)—						
Unmanufactured ..	467	741	1,986	635	810	(a)
Manufactured ..	66	(a)	75	125	127	(a)
Mozambique—						
Unmanufactured ..	272	674	1,183	527	468	715
Manufactured ..	1	8	11	11	11	14
Costa Rica—						
Manufactured ..	24	(a)	(a)	586	453	224
Guatemala (total imports)						
Unmanufactured ..	(a)	(a)	149	216	244	284
Manufactured ..	(a)	(a)	(a)	315	283	67
Mexico (total imports)—						
Unmanufactured ..	5,343	2,943	5,358	4,883	4,595	7,334
Manufactured ..	1,780	1,247	1,064	833	869	905
Netherlands						
West Indies—						
Manufactured ..	3,401	4,736	4,622	2,951	3,316	2,442
Nicaragua (total imports)						
Manufactured ..	22	341	373	317	697	209
Salvador—						
Unmanufactured ..	(a)	(a)	(a)	346	620	361
Manufactured ..	(a)	(a)	(a)	74	58	79
United States—						
Unmanufactured—						
Crude ..	25,919	31,518	34,487	44,460	33,203	36,293
Mill fibre ..	157,571	201,137	189,860	152,404	133,002	150,136
Other ..	446,128	447,589	409,062	430,671	439,256	474,663
Manufactured ..	3,310	851	452	445	4,064	16,307
Argentina—						
Spun and woven ..	341	1,019	96	576	963	725
Paper and board ..	9,152	18,043	4,340	9,569	2,931	11,026
Brazil (total imports)—						
Unmanufactured ..	8,301	10,925	10,919	7,996	13,179	7,493
Manufactured ..	(a)	3,081	2,360	495	1,370	1,050
Chile—						
Unmanufactured ..	230	82	1	—	(a)	(a)
Manufactured ..	2,624	2,481	3,554	4,639	3,219	(b) 3,774
Colombia—						
Unmanufactured ..	(a)	4,449	6,509	6,605	4,807	8,668
Manufactured ..	(a)	382	344	245	458	504
Dutch Guiana—						
Unmanufactured ..	8	7	8	4	7	7
Sheets ..	43	38	105	598	540	545
Ecuador—						
Unmanufactured ..	(a)	11	8	23	64	(a)
Manufactured ..	1,791	20	275	52	90	(a)
Peru—						
Unmanufactured ..	798	1,169	1,949	643	1,343	1,849
Manufactured ..	192	252	283	297	151	400
Uruguay ..	1,708	1,385	1,766	1,656	(a)	(a)
Venezuela (total imports)						
Unmanufactured ..	983	865	1,554	1,618	2,161	2,020
Manufactured ..	10,439	5,575	(a)	(a)	1,175	4,737
Formosa—						
Unmanufactured ..	280	580	437	107	558	958
Manufactured ..			222	456	409	

(a) Information not available.

(b) January to November only.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Indonesia—						
Unmanufactured ..	38	42	62	129	69	163
Cement sheets, etc. ..	7,036	10,485	9,819	26,501	3,813	3,899
Other manufactures ..	292	381	672	289	216	385
Iraq—						
Unmanufactured ..	23	104	7	18	38	(a)
Israel—						
Manufactured	(£35,670)	(£62,238)	(£4,532)	(£21,011)	(£10,114)	(£58,698)
Japan—						
Unmanufactured ..	6,584	22,432	13,142	18,606	19,961	20,078
Manufactured	57	164	236	415	510	785
Philippine Republic—						
Unmanufactured ..	647	361	181	651	981	225
Manufactured	644	146	215	978	776	2,054
Siam (total imports)—						
Manufactured	(a)	(a)	(a)	1,294	2,132	(a)
Syria—						
Cement sheets	505	723	382	572	938	(a)
Other manufactures ..	11	27	(a)	25	24	(a)
Turkey—						
Unmanufactured ..	10	3	44	3	15	31
Manufactured	1,541	2,119	1,982	1,317	3,564	2,180

(a) Information not available.

BARIUM MINERALS

PRODUCTION OF BARIUM MINERALS*

(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain—						
Barytes and witherite, unground ..	73,813	58,234	43,276	42,914	45,709	49,452
Barytes, unbleached ..	22,796	29,185	26,834	25,992	27,475	33,499
Canada ..	68,908	87,601	121,430	220,738	197,743	180,893
Southern Rhodesia ..	257	83	267	239	—	—
Swaziland ..	434	469	397	406	323	401
Union of South Africa ..	2,232	2,006	1,691	1,868	2,091	1,689
India ..	11,963	10,471	10,030	9,400	18,792	(a)
Australia ..	5,933	6,178	4,944	5,677	6,872	6,264
Irish Republic—						
Barytes, refined ..	2,482	1,393	313	—	(a)	(a)
do. unrefined ..	2,263	6,715	1,480	—	(a)	(a)
FOREIGN COUNTRIES						
Austria ..	9,959	9,493	5,079	2,768	4,813	1,458
France ..	28,157	38,870	41,986	39,168	46,751	54,000
Germany (Federal) ..	305,985	410,884	340,378	377,790	370,128	400,940
Greece ..	20,471	28,381	21,162	26,478	21,651	19,153
Italy ..	53,566	75,332	55,882	70,629	70,762	92,696
Portugal ..	126	708	611	310	343	319
Spain ..	7,034	12,252	15,617	17,613	10,482	8,822
Sweden (sales) ..	49	148	—	—	96	122
Yugoslavia (exports) ..	11,880	9,695	26,391	61,149	95,571	84,224
Algeria ..	19,580	20,690	9,690	16,804	13,356	30,107
Egypt ..	—	40	10	30	31	60
Morocco (French) ..	4,834	3,205	3,062	49	9,150	24,260
Tunis ..	25	10	25	—	—	—
Cuba (b) ..	—	—	—	4,379	—	(a)
Mexico (b) ..	2,407	1,377	11,090	56,288	50,778	105,048
United States ..	619,129	754,981	904,296	821,451	845,307	997,900
Argentina ..	13,779	17,716	(c) 13,000	(c) 14,700	(a)	(c) 20,000
Brazil ..	6,752	(a)	(a)	(b) 14,164	(b) 4,840	(b) 4,527
Chile ..	1,246	1,053	2,200	1,390	(a)	(a)
Colombia ..	309	2,000	4,000	7,628	9,000	6,000
Peru ..	2,983	22,652	8,960	15,294	11,025	(b) 19,026
Japan ..	14,014	16,442	14,006	17,277	18,585	18,191
Korea (South) ..	—	—	780	1,081	300	833
TOTAL† ..	1,330,000	1,640,000	1,690,000	1,870,000	1,910,000	2,170,000

*Barytes unless otherwise stated.

†Excluding barytes known to have been produced in Czechoslovakia, Norway, U.S.S.R. and China.

(a) Information not available.

(c) Estimated.

(b) Exports.

EXPORTS OF BARIUM MINERALS, ETC.*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ground barytes ..	466	191	115	218	212	212
Barium compounds, excluding blanc fixe ..	3,221	3,251	2,254	2,060	3,496	3,263
Southern Rhodesia—						
Barytes	177	222	415	152	—	—
Canada—						
Unground barytes ..	29,867	43,983	75,929	} 217,000	185,586	217,920
Ground barytes ..	33,116	40,829	43,826			
Hong Kong (re-exports)—						
Barytes	13	—	(a)	(a)	(a)	(a)
India—						
Unground barytes ..	8,268	5,085	2,306	2,510	8,391	2,573
Australia (b) (g)						
Unground barytes ..	634	130	214	192	(a)	(a)
Ground barytes ..	1,982	1,525	1,357	838	} 1,667	} 1,617
Sulphate incl. blanc fixe	3	1	1	5		
Irish Republic—						
Unground barytes ..	2,187	8,045	5,035	1,200	(a)	9,015
Ground barytes ..	2,241	766	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Barytes	—	—	—	—	27	3
Belgium-Luxemburg						
E.U.—						
Barytes and witherite ..	1	5	25	21	1,186	1,674
Barytes, ground ..	168	96	101	160	93	29
Sulphate	998	1,449	423	789	1,732	1,255
Carbonate	(a)	523	261	264	132	160
Chloride	140	1,338	100	344	161	19
Sulphide	15	10	—	—	—	—
France—						
Barytes	694	2,033	757	252	689	13,257
Witherite	269	454	38	66	49	38
Precipitated carbonate..	2,286	1,965	1,187	3,004	2,260	2,909
Precipitated sulphate ..	239	583	156	354	421	144
Barium compounds ..	1,305	1,296	525	1,296	2,068	2,741
Germany (Federal)—						
Barytes	(d) 109,748	} 130,752	{ 70,783	77,115	121,684	} 123,481
Witherite	(e) 18						15	6	8
Carbonate	3,934	7,694	5,645	8,247	7,328	8,612
Chloride	2,668	3,642	2,256	3,537	5,398	5,092
Sulphate	7,480	(c) 6,924	(f) 5,684	11,431	277	(a)
Greece—						
Barytes	19,793	25,728	4,805	29,027	18,592	19,943

*For Lithopone, see "Zinc", pages 346-348.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) January to September only.

(d) Including celestite.

(e) Including strontianite.

(f) April to December only.

(g) Revised.

EXPORTS OF BARIUM MINERALS, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Italy—						
Barytes	11,145	36,824	16,722	13,908	18,558	29,953
Witherite	(a)	140	110	—	20	6
Precipitated carbonate..	(a)	148	212	300	90	54
Chloride	—	288	66	64	556	417
Precipitated sulphate ..	1,097	823	1	13	—	14
Netherlands—						
Barytes, ground	21	54	72	11	3	5
Sulphate	23	91	69	56	452	612
Sulphide	—	—	—	587	2,609	5,503
Sweden—						
Barytes and witherite ..	—	—	—	—	1	—
Yugoslavia—						
Unground barytes	11,865	6,860	23,717	58,826	92,229	82,898
Ground barytes	15	2,835	2,674	2,323	3,342	1,326
Algeria—						
Barytes	18,099	10,124	8,632	9,066	11,823	15,795
Morocco (French)—						
Barytes	591	811	1,063	1,176	8,348	17,485
Tunis—						
Barytes	(a)	—	(a)	25	(a)	(a)
Cuba—						
Barytes	—	—	—	4,379	—	(a)
Mexico—						
Barytes	2,407	1,377	11,090	56,288	50,778	105,048
Brazil—						
Barytes	(a)	(a)	(a)	14,164	4,840	4,527
Peru—						
Barytes	—	—	136	3,081	11,331	19,026
Japan—						
Barytes	(a)	—	—	49	—	—
Chloride	(a)	—	—	4	3	6
Sulphate	57	22	17	16	7	9

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Unground barytes ..	17,390	38,673	11,745	2,344	34,060	50,133
Ground barytes ..	17,493	19,616	11,150	16,012	21,209	21,793
Barium compounds, excluding blanc fixe ..	279	1,179	762	1,191	2,824	3,322
Union of South Africa—						
Barytes	254	788	616	722	742	(a)
Barium compounds ..	127	124	158	63	168	(a)
Canada—						
Barytes	1,865	954	1,290	1,078	1,104	1,294
Blanc fixe	644	331	189	234	279	535
British West Indies—						
Trinidad and Tobago—						
Ground barytes ..	20,167	24,687	19,914	25,293	22,769	26,621
Hong Kong (total imports)—						
Barytes	167	147	(a)	(a)	(a)	(a)
India—						
Barytes	6	101	38	31	30	107
Pakistan (c)—						
Barytes	(a)	1,818	3,519	875	1,739	99
Australia (b) (d)—						
Barytes ground ..	8	69	73	12	27	231
Carbonate	70	188	290	63	88	218
Chloride	105	102	219	42	104	188
Sulphate incl. blanc fixe	141	389	966	69	143	266
Other compounds ..	9	50	83	73	87	40
New Zealand—						
Barytes	1,207	999	819	831	1,000	773
Barium compounds ..	32	34	68	9	51	(a)
Irish Republic—						
Ground barytes, including blanc fixe ..	235	675	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Barytes	6,725	9,817	3,063	4,820	6,620	7,304
Carbonate	373	400	570	230	264	340
Chloride	64	131	—	17	30	125
Belgium-Luxemburg						
E.U.—						
Barytes and witherite ..	21,314	29,444	7,236	3,519	12,284	21,269
Barytes, ground ..	6,083	5,904	5,370	5,784	6,395	6,039
Sulphate	707	796	492	672	702	1,127
Carbonate	2,334	3,188	1,515	2,382	2,963	2,716
Chloride	842	560	544	1,325	976	1,587
Sulphide	1	5	5	588	2,615	2,934
Denmark—						
Barytes	357	205	52	—	87	57
Witherite	125	299	49	60	131	203
Chloride	105	190	40	153	264	170
Sulphate	915	1,937	1,685	1,040	1,058	1,076

*For Lithopone, see "Zinc", pages 349-353.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Years ended March 31 following that stated.

(d) Revised.

IMPORTS OF BARIUM MINERALS, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Finland—						
Barytes	233	642	153	322	682	876
Witherite	—	5	15	—	—	5
Chloride	5	25	2	10	58	9
Carbonate	15	59	38	29	98	31
Sulphate	135	247	76	67	109	216
France—						
Barytes	41,567	37,399	24,416	20,233	26,367	40,577
Witherite	170	675	494	—	150	326
Chloride	5	109	7	—	10	21
Hydrate	27	10	5	25	15	23
Precipitated carbonate	2	—	47	—	—	—
Precipitated sulphate ..	339	340	235	408	429	801
Sulphide	—	41	—	—	—	—
Germany (Federal)—						
Barytes and witherite ..	(a)	(a)	5	—	—	14,458
Italy—						
Barytes	13	27	21	130	113	615
Witherite	(a)	501	493	1,980	1,013	971
Precipitated carbonate ..	(a)	197	1,028	1,488	561	467
Chloride	489	205	201	298	23	75
Precipitated sulphate ..	33	234	354	552	402	580
Netherlands—						
Barytes and witherite ..	26,236	20,384	15,668	13,403	15,913	23,380
Barytes, ground	3,752	5,388	3,120	4,595	4,724	4,874
Carbonate	700	1,044	534	1,516	1,531	1,909
Chloride	289	368	165	290	342	240
Sulphate	615	660	1,150	1,537	2,502	2,324
Portugal—						
Barytes	—	—	—	—	106	120
Carbonate	—	2	16	—	12	—
Chloride	77	67	86	117	168	113
Sulphate	30	76	130	70	32	34
Sweden—						
Barytes and witherite ..	1,966	2,705	1,231	1,818	2,073	2,673
Sulphate	903	1,099	866	938	1,267	1,750
Carbonate and chloride	592	1,629	454	633	1,452	1,316
Algeria—						
Barytes (including precipitate) ..	357	75	60	4	2	89
Witherite (including precipitate) ..	45	35	43	66	82	254
Belgian Congo—						
Barytes and witherite ..	(a)	(a)	(a)	32	32	10
Chloride	38	81	(a)	22	20	2
Sulphate	(a)	(a)	(a)	143	202	316
Morocco (French)—						
Barytes	1,164	(a)	790	642	865	(a)
Tunis—						
Barytes	(a)	336	(a)	—	(a)	375
Precipitated sulphate ..	(a)	336	(a)	199	10	—
Precipitated carbonate	(a)	2	(a)	—	2	—
Cuba (total imports)—						
Sulphate	394	500	318	284	379	(a)
Mexico (total imports)—						
Barytes	2,864	1,778	4,241	2,055	2,729	1,937
United States—						
Unground barytes	52,126	47,103	96,355	298,918	283,119	321,104
Ground barytes	605	143	5,911	231	225	263
Witherite	1,865	1,800	4,620	4,400	3,942	2,110
Sulphate	47	11	29	897	703	804
Barium compounds	419	2,079	1,173	4,499	2,406	3,184

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Sulphate	661	(a)	53	252	487	—
Barium compounds ..	537	(a)	288	359	629	165
Brazil (total imports)—						
Carbonate	(a)	(a)	150	66	636	69
Chloride	(a)	340	115	121	541	86
Sulphate	(a)	882	536	113	719	223
Chile—						
Barytes	2	20	14	23	(a)	(a)
Carbonate	21	17	22	36	(a)	(a)
Chloride	17	10	2	—	(a)	(a)
Sulphate	3	2	4	2	(a)	(a)
Columbia (total imports)						
Witherite	—	—	—	23	23	9
Carbonate	(a)	5	—	—	23	(a)
Chloride	(a)	—	5	10	5	(a)
Sulphate	103	226	1,138	23	485	1,031
Peru—						
Barytes	467	454	17	3	22	31
Witherite	5	20	25	28	42	96
Carbonate	22	25	2	15	1	14
Sulphate	3	4	3	2	4	1
Other compounds ..	42	6	—	58	14	20
Uruguay—						
Oxides	44	77	—	72	(a)	(a)
Sulphate	681	639	89	373	(a)	(a)
Venezuela (total imports)						
Barytes	12,467	(a)	21,249	43,235	41,015	(a)
Sulphate	61	(a)	19	40	133	(a)
Japan—						
Barytes	3	—	1,481	337	2,062	2,174
Turkey—						
Barytes	28	50	27	23	3	33
Sulphate	—	—	—	—	16	—
Barium compounds ..	72	71	102	13	108	99

(a) Information not available.

BERYL
PRODUCTION OF BERYL
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Kenya	—	—	1	—	—	—
Northern Rhodesia ..	5	4	8	5	1	18
Somaliland Protectorate	—	—	—	—	—	17
Southern Rhodesia ..	832	991	1,060	1,584	962	861
South West Africa ..	648	741	529	527	504	421
Uganda	70	2	—	50	69	92
Union of South Africa ..	830	583	369	474	181	122
India	(a)	211	(a)	(a)	(a)	(a)
Australia	23	112	87	125	149	206
FOREIGN COUNTRIES						
Portugal	51	100	92	370	329	301
Afghanistan	—	—	—	—	27	(a)
Belgian Congo	—	—	—	7	44	323
Madagascar	478	522	391	461	579	282
Morocco (French)	55	83	127	32	15	2
Mozambique	260	226	205	215	895	857
United States (shipments)	499	432	460	671	597	450
Argentina	(a)	(a)	620	610	1,280	1,330
Brazil	2,166	1,713	2,836	1,899	1,411	1,745
Dutch Guiana	—	—	—	2	9	—
TOTAL (b)	6,100	5,720	7,000	7,200	7,200	7,300

(a) Information not available.

(b) Estimated.

EXPORTS OF BERYL
(Domestic Produce)
(Long tons)

Exporting Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Somaliland Protectorate	—	—	—	—	—	17
Southern Rhodesia ..	743	1,244	793	1,468	1,048	815
South West Africa ..	360	395	588	528	400	355
Uganda	16	—	—	33	29	138
Union of South Africa ..	808	801	247	472	172	113
India	(a)	351	(a)	(a)	(a)	(a)
Australia	23	112	87	125	163	210
FOREIGN COUNTRIES						
Portugal	25	115	75	331	306	277
Madagascar	359	465	304	110	454	131
Morocco (French) ..	118	87	125	44	10	18
Mozambique	(b) 116	(b) 155	(b) 275	205	879	705
Argentina (b)	—	—	491	1,351	—	394
Brazil	2,584	1,508	2,440	1,926	1,253	1,527

(a) Information not available.

(b) Imports into the United States.

IMPORTS OF BERYL*
(Less Re-exports)
(Long tons)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b) ..	27	336	119	129	175	217
FOREIGN COUNTRIES						
United States	4,339	3,854	5,337	7,360	5,192	5,390

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

(a) Information not available.

(b) 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.*
(Cwt.)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
South West Africa—						
Ore	286	4	—	1	45	43
Uganda—						
Ore (<i>Bi content</i>) ..	57	57	55	10	3	34
Union of South Africa—						
Ore (<i>Bi content</i>) ..	142	64	35	14	10	2
Canada—						
Metal plus content of bullion, etc. exported	1,711	2,056	1,450	1,048	2,310	1,854
Australia—						
Concentrates (<i>Bi content</i>)	18	23	28	8	12	25
FOREIGN COUNTRIES						
France—						
Mispickel (<i>Bi content</i>)	1,535	1,772	1,693	1,417	211	630
Spain—						
Ore (<i>Bi content</i>) ..	185	222	160	509	734	590
Yugoslavia—						
Bismuth metal	1,191	1,728	1,943	1,938	2,159	2,049
Belgian Congo—						
Ore (<i>Bi content</i>) ..	13	4	9	—	19	1
Mozambique—						
Ore (<i>Bi content</i>) ..	23	14	100	63	17	37
Mexico—						
Ore (<i>Bi content</i>) ..	5,192	6,656	7,993	6,600	7,106	6,911
Argentina—						
Concentrates (<i>Bi content</i>) (<i>b</i>) ..	(<i>a</i>)	(<i>a</i>)	5	12	90	190
Bolivia (exports)—						
Ore, etc. (<i>Bi content</i>) ..	480	1,358	314	1,239	906	1,009
Peru—						
Lead-tin-antimony bars (<i>Bi content</i>)	—	—	62	—	—	(<i>a</i>)
Metal	4,465	5,170	6,321	5,642	6,176	(<i>c</i>) 6,186
Anode residues (<i>Bi content</i>)	2,841	4,396	2,505	—	—	—
Korea (South)—						
Ore (<i>Bi content</i>) ..	(<i>a</i>)	246	2,165	4,724	2,254	2,557

*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*) Information not available.

(*b*) Estimated.

(*c*) Exports.

EXPORTS OF BISMUTH, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom						
Bismuth	3,830	3,572	3,634	6,329	6,735	6,595
Bismuth salts	3,064	2,326	2,437	2,661	3,537	2,802
South West Africa—						
Ore	230	3	—	4	—	3
Uganda						
Ore (<i>Bi content</i>)	72	33	21	37	22	4
Union of South Africa—						
Bismuth	388	44	11	17	11	—
Canada—						
Metal	1,018	786	300	—	1,201	500
Australia (<i>d</i>) (<i>e</i>)—						
Concentrates	20	—	—	128	114	(<i>a</i>)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	216	79	20	217	537	380
Salts	—	40	—	—	8	—
France—						
Bismuth and alloys						
including scrap	187	1,203	1,325	986	344	496
Bismuth nitrate	254	187	87	179	291	380
Germany (Federal)—						
Bismuth	(<i>a</i>)	(<i>a</i>)	242	693	630	281
Bismuth salts	756	(<i>b</i>) 681	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Yugoslavia—						
Bismuth	740	1,352	1,838	1,826	2,170	1,888
Mexico—						
Bismuth, refined	—	—	—	652	1,779	2,171
do. impure bars	8,196	5,277	7,492	6,187	7,013	4,633
(<i>Bi content</i>) (<i>c</i>)	3,618	3,643	6,825	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
United States—						
Matte, residues, etc.	70	106	262	378	430	983
Metal and alloys	1,779	1,312	2,186	1,048	1,231	1,818
Bolivia—						
Ore, etc. (<i>Bi content</i>)	480	1,358	314	1,240	906	1,009
Chile—						
Salts	10	—	10	10	(<i>a</i>)	(<i>a</i>)
Peru—						
Bars, etc. (<i>Bi content</i>)	4,495	5,067	6,122	5,327	6,890	6,186
Japan—						
Bismuth	605	122	48	—	98	—
Korea (South)—						
Bismuth, unwrought	39	654	366	2,809	2,047	3,858

(*a*) Information not available.

(*b*) January to September only.

(*c*) Total metal content of above items and not additional.

(*d*) Years ended June 30 of that stated.

(*e*) Revised.

IMPORTS OF BISMUTH, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Bismuth	3,383	4,977	4,561	4,697	6,060	4,777
Unwrought alloys (c) ..	1,217	3,080	3,495	4,120	6,126	6,981
Canada—						
Bismuth	—	5	22	9	—	53
Bismuth salts	(£7,623)	(£8,261)	(£9,814)	(£6,852)	(£11,405)	(£7,927)
Australia (e) (f)—						
Bismuth	45	170	346	309	345	322
Bismuth salts	75	52	74	23	98	175
New Zealand—						
Bismuth and its salts ..	120	66	230	56	97	123
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	20	39	39	157	69	58
Bismuth salts	276	128	138	196	752	880
Denmark—						
Bismuth salts	335	173	244	270	258	193
France—						
Bismuth and alloys including scrap ..	2,764	2,411	3,027	3,653	4,264	5,189
Bismuth salts	—	4	26	—	—	—
Germany (Federal)—						
Bismuth	(a)	(a)	407	1,252	1,506	2,240
Bismuth salts	4	(b) 2	(a)	(a)	(a)	(a)
Italy—						
Bismuth	(d) 108	215	217	222	337	411
Bismuth salts	28	128	1,008	49	89	173
Netherlands—						
Bismuth salts	(a)	(a)	(a)	138	118	296
Spain—						
Bismuth	—	79	79	100	8	(a)
Bismuth salts	—	2	154	—	1	(a)
Algeria—						
Bismuth salts	—	2	6	6	—	2
Morocco (French)—						
Bismuth salts	24	(a)	109	63	80	(a)
Mexico (total imports)—						
Bismuth salts	105	(a)	73	55	53	54
United States—						
Bismuth	6,979	4,589	6,324	5,727	5,615	5,390
Argentina—						
Bismuth and its salts ..	953	(a)	396	607	663	699
Brazil (total imports)—						
Bismuth	(a)	(a)	(a)	6	70	3
Bismuth salts	(a)	(a)	(a)	227	495	266
Chile—						
Bismuth	16	4	22	31	(a)	(a)
Colombia (total imports)						
Bismuth salts	(a)	137	40	53	81	(a)
Peru—						
Bismuth salts	11	12	13	26	13	16

(a) Information not available.

(b) January to September only.

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

(d) July to December only.

(e) Years ended June 30 of that stated.

(f) Revised.

IMPORTS OF BISMUTH, ETC., (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Iran (b)—						
Bismuth salts	13	27	50	440	72	(a)
Japan—						
Bismuth	38	55	(a)	359	10	1
Turkey—						
Bismuth	1	2	32	7	1	—
Bismuth salts	148	124	203	219	146	302

(a) Information not available.

(b) Years ended March 20 following that stated.

BORATES

PRODUCTION OF CRUDE BORATES

(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
Italy—						
Boric acid	4,713	4,542	4,263	4,139	3,783	3,648
United States (sales)—						
Borates	578,335	770,354	521,275	638,596	695,018	825,400
Argentina—						
Borate of calcium ..	(a)	(a)	(a)	(a)	(a)	(d) 13,000
Chile—						
Borax	(a)	(a)	(a)	(d) 2,000	(a)	(a)
Peru—						
Borax	—	5	25	—	(a)	(a)
Iran—						
Borate of calcium ..	(d) 300	(a)	(a)	(a)	(a)	(a)
Tibet (b)—						
Borax	(c) 89	(a)	(a)	(a)	(a)	(a)
Turkey—						
Borates	9,628	11,825	13,513	6,285	14,105	41,520

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

(a) Information not available.

(c) Years ended March 31 following that stated.

(b) Imports into India from Tibet.

(d) Estimated.

EXPORTS OF BORATES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Borax	1,742	1,455	953	1,065	1,609	1,588
Boric acid	491	236	(a)	(a)	(a)	(a)
Hong Kong (re-exports)—						
Borax	3,315	476	170	2	3	—
India—						
Borax	—	9	7	4	—	—
FOREIGN COUNTRIES						
Austria—						
Boric acid	59	12	—	—	—	3
Perborate of sodium ..	414	628	600	1,116	1,042	1,446
Belgium-Luxemburg						
E.U.—						
Borax	478	1,047	246	37	1,540	1,227
Borates and perborates	30	3	2	113	116	38
France—						
Borax	760	634	474	681	977	663
Boric acid	426	113	126	180	126	158
Perborate of sodium ..	242	255	103	59	76	76
Germany (Federal)—						
Borates	326	959	739	2,228	3,541	2,261
Boric acid			331	284	486	312
Perborate of sodium ..			(a)	(a)	1,702	5,679	9,571	11,128
Italy—						
Boric acid, crude ..	41	—	—	162	108	278
do. refined	397	324	1,007	696	420	
Borax and borates ..	145	181	508	1,425	1,439		921
Perborates	665	1,030	726	1,344	234	1
Netherlands—						
Borax	18	41	31	1,070	623	673
Sweden—						
Borax and boric acid ..	1	1	1	3	—	1
Perborate of sodium ..	98	—	69	103	90	110
Switzerland—						
Borax	—	338	44	482	—	51
United States—						
Borax, borates and boric acid ..	127,304	190,576	92,225	124,390	183,584	198,954
Argentina—						
Borates of calcium and sodium	—	(a)	—	50	984	—
Japan—						
Borax	5	146	14	298	1,032	813
Boric acid	(a)	2	6	9	386	599
Tibet (b)—						
Borax	(c)	(a)	(a)	(a)	(a)	(a)
Turkey—						
Borates	9,991	12,354	11,969	9,116	17,206	30,906

(a) Information not available.

(c) Years ended March 31 following that stated.

(b) Imports into India from Tibet.

IMPORTS OF BORATES
(Less Re-exports)
(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Borates	14,981	18,739	13,309	13,511	16,095	15,779
Borax, crude	—	—	6	—	35	70
do. refined	14,028	22,005	12,103	17,026	25,388	23,487
Boric acid	4,722	5,804	2,971	3,664	5,115	5,426
Anglo-Egyptian Sudan—						
Borax	—	—	1	1	(a)	(a)
Kenya—						
Borax, refined	11	15	88	6	(a)	(a)
Southern Rhodesia—						
Borax	86	18	74	57	(c) 85	(c) 45
Boric acid	4	4	3	5	(c) 4	(c) 7
Tanganyika—						
Borax, refined	12	8	5	4	(a)	(a)
Uganda—						
Borax, refined	3	2	1	3	(a)	(a)
Union of South Africa—						
Borax	559	525	415	470	576	(a)
Boric acid	163	252	208	179	275	(a)
Canada—						
Borax	7,966	8,132	7,443	8,554	7,547	8,413
Boric acid	1,616	2,242	1,562	1,698	1,049	1,348
Hong Kong (total imports)—						
Borax, crude	5,530	971	1,060	47	15	—
do. refined				2,490	3,411	4,232
India—						
Borax	2,284	7,422	491	903	4,563	3,050
Pakistan (b)—						
Borax	(a)	248	261	438	430	742
Australia (d)—						
Borates, crude	—	100	58	70	219	(a)
Boron salts (e)	2,014	2,106	3,620	1,602	2,316	3,228
Boric acid	675	1,209	1,194	591	570	817
New Zealand—						
Borax	13	10	18	24	52	879
do. fertilizer	496	380	887	412	534	
Boric acid	80	147	143	141	146	
Irish Republic—						
Borax	989	553	775	771	448	605
Boric acid	136	118	67	110	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Borax, crude	1,603	2,686	1,871	1,850	2,490	3,620
do. refined	1	3	—	—	1	3
Boric acid	—	—	—	3	1	1
Perborate of sodium ..	3	80	—	28	20	1
Belgium-Luxembourg						
E.U.—						
Borax	2,462	2,171	1,446	1,432	1,312	1,579
Boric acid	289	252	217	302	323	591
Borates and perborates	1,194	1,886	568	1,582	2,298	2,747
Denmark—						
Borax	11	78	134	36	25	48
Boric acid	185	84	58	76	119	76
Borates and perborates	864	1,418	854	1,196	1,497	1,644

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Federation of Rhodesia and Nyasaland.

(d) Years ended June 30 of that stated.

(e) Revised.

IMPORTS OF BORATES (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Finland—						
Borax	566	415	119	552	822	479
Boric acid	60	59	88	46	124	63
France—						
Boron minerals	6,641	21,999	11,017	8,562	16,175	16,969
Borax	2,705	2,160	2,655	4,962	5,981	7,262
Boric acid	289	226	143	—	9	218
Borates and perborates	1,368	333	221	678	768	642
Germany (Federal)—						
Boron minerals	22,302	23,013	18,757	11,658	30,946	30,434
Boric acid	2,337	11,141	1,043	1,664	2,697	4,600
Borates			2,157	3,690	6,430	7,868
Perborate of sodium	(a)	(a)	133	978	169	274
Greece—						
Borax	71	44	72	58	34	(a)
Italy—						
Boron minerals	(b) 147	1,962	1,117	3,267	4,969	11,986
Boric acid	4	178	365	139	—	—
Borax and borates	1,277	3,322	3,109	1,770	760	1,314
Perborates	145	161	367	652	106	285
Netherlands—						
Borax	6,461	8,270	4,502	6,727	8,464	8,816
Boric acid	236	554	393	310	634	804
Perborates	310	823	632	911	1,864	983
Norway—						
Borax	449	698	365	267	691	847
Boric acid	154	243	292	267	277	362
Portugal—						
Boric acid	63	90	166	58	128	71
Borax	287	295	869	279	425	1,076
Spain—						
Boric acid	6	—	3	1	—	(a)
Borates	307	238	274	252	9	(a)
Sweden—						
Borax	2,148	3,027	2,098	1,231	2,320	2,394
Boric acid	472	524	375	223	293	274
Perborates	1,545	2,125	831	1,446	2,543	1,770
Switzerland—						
Borax	3,453	6,380	275	1,764	3,256	4,073
Yugoslavia—						
Borax	278	333	563	(a)	(a)	(a)
Algeria—						
Borax and boric acid	39	37	22	17	31	156
Belgian Congo—						
Boric acid	(a)	(a)	(a)	1	5	1
Borax	14	14	(a)	29	13	56
Perborates	(a)	(a)	(a)	33	51	70
Egypt—						
Borax	208	407	253	191	519	373
Boric acid	15	9	39	11	16	23
Morocco (French)—						
Borax	64	(a)	46	71	67	(a)
Perborates	18	(a)	27	37	60	(a)
Mozambique—						
Borax	1	2	6	1	1	7
Boric acid	1	1	1	1	1	2
Tunis—						
Borax etc.	(a)	16	(a)	30	30	15
Cuba (total imports)—						
Borax	74	104	280	293	332	(a)
Boric acid	225	313	57	82	84	(a)

(a) Information not available.

(b) July to December only.

IMPORTS OF BORATES (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil (total imports)—						
Boron minerals	(a)	648	883	912	2,442	854
Boric acid	(a)	421	249	141	884	162
Borax	}	3,016	1,406	542	3,987	886
Borates				3	577	195
Chile—						
Borax	17	19	14	2	(a)	(a)
Colombia (total imports)						
Borax	(a)	349	240	295	384	498
Boric acid	(a)	137	129	126	177	125
Erborate of sodium ..	350	73	92	63	55	69
Ecuador—						
Borax	9	1	5	2	6	(a)
Boric acid	4	5	6	10	6	(a)
Peru—						
Borax	117	233	125	221	215	237
Boric acid	18	22	7	46	52	46
Uruguay—						
Borate of calcium ..	163	301	—	49	(a)	(a)
Venezuela (total imports)						
Borax	75	51	33	61	122	(a)
Boric acid	70	(a)	61	50	61	47
Indo-China—						
Borates	(a)	283	268	252	(a)	(a)
Iran (b)—						
Borax	337	155	187	244	138	(a)
Boric acid	3	7	4	3	9	(a)
Israel—						
Borax	73	(a)	(a)	(a)	(a)	(a)
Japan						
Borax	2,269	13,967	2,009	7,460	7,868	10,605
Boric acid	247	803	717	1,108	1,390	2,216
Philippine Republic—						
Boric acid	21	23	20	38	33	45
Syria—						
Borax	2	5	(a)	12	53	(a)
Boric acid	5	7	(a)	5	4	(a)
Turkey—						
Borax	144	173	181	293	105	89
Boric acid	—	29	19	25	5	10

(a) Information not available.

(b) Years ended March 20 following that stated.

BROMINE
PRODUCTION OF BROMINE

(lb. avdp.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
France (b)	2,339,000	2,297,000	1,574,000	1,863,000	2,637,000	2,778,000
Italy	863,846	930,560	1,149,439	712,333	1,092,642	(a)
Spain	66,000	—	150,000	231,000	246,000	(a)
United States (c) ..	98,502,300	129,563,073	156,201,577	164,143,348	187,399,110	184,453,846
Japan	714,000	1,058,000	952,000	1,667,000	1,905,000	2,950,000

Bromine is also produced in the United Kingdom from sea-water.

(a) Information not available.

(c) Includes bromine content of compounds.

(b) Sales.

EXPORTS OF BROMINE, ETC.

(Domestic Produce)

(lb. avdp.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Bromine	9,400	15,700	5,200	6,000	3,900	25,300
Bromides	131,200	699,200	441,500	308,100	640,500	569,600
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bromine	6,614	—	—	—	220	—
Bromides	660	—	—	—	1,323	7,275
France—						
Bromine	289,246	561,517	251,768	62,170	716,723	854,071
Bromides	346,346	822,765	375,888	619,940	1,036,173	1,118,625
Germany (Federal)—						
Bromine	459,223	(b) 459,443	(c) 156,087	358,472	248,229	275,798
Bromides	1,030,661	789,255	185,850	383,163	419,742	188,054
Italy—						
Bromine	—	—	—	941	24	441
Bromides	198	61,289	220	15,833	2,866	37,920
Spain—						
Bromine	—	343	—	—	—	(a)
Bromides	—	2,220	—	—	—	(a)
Sweden—						
Bromine	—	4,409	—	—	—	—
United States—						
Bromine and compounds	869,816	2,587,421	2,789,749	3,414,065	5,082,437	3,649,861

(a) Information not available.

(b) January to September only.

(c) April to December only.

IMPORTS OF BROMINE, ETC.
(*Less Re-exports*)
(lb. avdp.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Bromine	(b) 400	1,120,300	121,200	2,500	647,000	278,000
Bromides	11,100	897,100	20,900	(a)	(a)	(a)
Union of South Africa—						
Bromine	335	609	2,149	161	1,041	(a)
Canada—						
Bromine	18,231	26,302	7,406	10,956	27,023	31,686
Bromide of soda	72,961	45,560	38,280	66,814	50,945	36,587
Australia (c) (e)—						
Bromine (£ Aust.)	(£269)	(£3,251)	(£75)	(£78)	(£329)	(£243)
Bromate and bromide of potash	95,698	465,376	556,817	126,014	140,414	101,299
do. do. other	33,306	45,668	105,952	76,272	97,497	125,886
New Zealand—						
Bromine (£ N.Z.)	(£44)	(£106)	(£61)	(£73)	(£201)	(a)
Bromide of soda	13,900	13,400	12,900	4,600	12,900	(a)
Bromate and bromide of potash	16,000	22,600	19,000	4,500	8,700	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bromine	4,409	41,888	19,842	66,139	9,259	11,464
Bromides	238,099	282,240	242,511	416,674	344,362	438,058
Denmark—						
Bromide of potash	26,912	9,480	22,267	19,621	22,928	26,015
Bromide of soda	21,826	23,149	47,179	27,337	50,045	45,636
Other bromides	45,415	12,125	12,566	6,173	4,409	12,566
France—						
Bromides	—	2,646	441	—	—	2,425
Germany (Federal)—						
Bromine	(a)	(a)	—	—	103,613	24,251
Bromides	2,425	—	6,834	34,613	—	48,061
Italy—						
Bromine	271,633	325,182	219,360	307,104	154,191	163,803
Bromides	61,555	166,890	4,189	13,007	10,128	35,274
Netherlands—						
Bromine	4,409	55,116	112,436	127,868	141,096	149,914
Norway—						
Bromine	1,041	1,210	1,362	489	688	933
Portugal—						
Bromine	922	974	1,045	1,878	1,283	1,069
Bromide of soda	448	919	1,005	1,100	864	2,474
Bromide of potash	3,175	2,857	2,493	2,806	5,730	6,105
Bromide of ammonium	154	476	628	337	24	756
Spain—						
Bromides	50,023	6,504	18,958	4,314	2,138	(a)
Sweden—						
Bromine	6,614	30,865	10,134	2,205	2,205	24,251
Algeria—						
Bromine	—	220	—	220	220	—
Bromides	1,323	1,764	1,764	1,102	1,323	661
Belgian Congo—						
Bromides	—	306,883	(a)	22,710	264	1,823
Cuba (total imports)—						
Bromine	123	53	3,007	79	745	(a)
Mexico (total imports)—						
Bromides of potash and soda	29,269	74,816	26,464	26,037	63,310	21,954

(a) Information not available. (b) Excess of re-exports. (c) Years ended June 30 of that stated.
(d) January to June only. (e) Revised.

IMPORTS OF BROMINE, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Bromine and compounds	96	2,624	2,387	575	487	692
Argentina—						
Bromine and compounds	26,923	(a)	3,560	31,559	188,678	147,692
Brazil (total imports)—						
Bromine	(a)	(a)	(a)	44	2,749	3,388
Bromides	(a)	(a)	(a)	21,491	63,689	22,701
Chile—						
Bromine	1,283	408	403	930	(a)	(a)
Bromides	1,021	641	1,942	970	(a)	(a)
Colombia (total imports)						
Bromine	(a)	950	452	220	267	(a)
Methyl bromide ..	(a)	5,196	15,586	—	11,823	14,978
Peru—						
Bromine	(a)	600	485	287	505	225
Bromides	7,228	7,181	8,631	10,593	5,831	22,831
Iran (b)—						
Bromides	3,893	23,918	8,699	3,697	48,552	(a)
Japan—						
Bromine compounds ..	4	8	1,766	1,000	4	—
Philippine Republic—						
Bromide of potash ..	926	2,061	75	1,944	1,248	10,752
Turkey—						
Bromine	225	567	284	525	201	545
Bromides	9,061	19,293	18,902	15,170	19,648	28,885

(a) Information not available.

(b) Years ended March 20 following that stated.

CADMIUM
PRODUCTION OF CADMIUM

(lb. avdp.)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom	262,125	326,278	346,752	380,419	315,302	337,546
South West Africa (b) ..	1,344,000	1,434,000	1,112,000	1,194,000	1,620,000	1,402,000
Canada (e)	848,406	1,326,920	948,587	1,118,285	1,086,780	1,971,012
Australia	659,500	517,400	641,500	665,840	645,000	674,000
FOREIGN COUNTRIES						
Belgium	805,000	805,000	1,213,000	1,323,000	1,279,000	1,433,000
France	159,000	185,400	194,708	282,000	313,000	397,000
Germany	26,500	154,300	144,100	227,000	619,000	710,000
Italy	166,151	444,919	290,450	398,003	459,218	461,626
Norway	173,500	221,035	162,869	197,360	178,432	256,000
Spain	9,586	8,600	12,073	16,204	20,999	21,800
Belgian Congo	65,407	52,900	45,208	70,500	138,900	366,000
Mexico (c)	1,474,251	1,970,476	1,618,391	2,113,342	1,128,800	2,855,123
United States (d)—						
Metal	8,849,690	8,114,238	8,387,824	9,682,197	9,415,710	9,753,699
Compounds (metal content)	340,704	197,099	179,335	85,000	136,000	189,644
Peru (f)	3,005	—	37,635	22,862	66,321	138,000
Japan	199,183	259,455	366,624	458,824	610,665	757,308
TOTAL*	12,800,000	12,800,000	13,400,000	15,400,000	15,200,000	17,500,000

*Excluding cadmium known to have been produced in Netherlands, Poland, Sweden and U.S.S.R. 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) Information not available.

(b) Estimated cadmium content of copper-lead-zinc concentrates produced and exported for treatment.

(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:

1950	427,052 lb.
1951	167,957 "
1952	80,000 "
1953	70,000 "
1954	138,000 "
1955	285,806 "

(e) Metal produced plus cadmium content of concentrates exported.

(f) Cadmium content of concentrates.

EXPORTS OF CADMIUM, ETC.

(Domestic Produce)

(lb. avdp.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Compounds	77,000	57,200	76,000	62,300	94,100	102,500
South West Africa (b) ..	1,584,000	752,000	1,024,000	1,008,000	684,000	1,404,000
Canada	676,005	824,850	620,344	969,563	776,391	1,562,337
Australia	383,000	298,000	307,000	634,000	385,000	374,000
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	1,003	324,079	121,254	167,551	318,788	316,143
France—						
Cadmium	220	1,102	441	882	661	2,645
Cadmium salts	441	22,716	13,007	661	1,323	(a)
Germany (Federal)—						
Cadmium	(a)	(a)	55,997	27,558	91,933	201,062
Cadmium oxide	(a)	(e) —	2,646	16,314	24,030	43,431
Italy—						
Cadmium (incl. scrap) ..	(c) 16,314	31,967	3,086	89,660	62,891	906,320
Cadmium salts	(a)	33,069	1,102	13,300	8,631	13,669
Belgian Congo	70,303	54,793	43,100	70,405	68,099	309,100
Mexico (d)	1,518,359	1,970,476	1,618,391	2,113,342	1,130,332	2,855,123
United States—						
Metal	352,927	606,233	} 300,918	65,866	998,959	1,393,915
Alloys	9,106	5,639				
Dross, flue dust, etc. ..	—	200,579				
Peru	3,003	—	—	10,924	31,226	33,916

(a) Information not available.

(b) Cadmium content of concentrates exported for treatment.

(c) July to December only.

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

(e) October to December only.

IMPORTS OF CADMIUM, ETC.

(Less Re-exports)

(lb. avdp.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Metal	1,073,454	1,485,056	1,381,838	767,177	1,601,930	1,909,363
Australia(b)—						
Cadmium salts ..	(d) 858	(d) 185	(d) 2,601	466	4,019	2,710
New Zealand—						
Cadmium and salts ..	300	200	200	300	—	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	39,683	33,069	22,046	28,660	48,722	63,273
France—						
Cadmium	372,581	620,160	199,959	225,533	367,070	688,504
Cadmium salts ..	33,510	21,825	7,937	5,732	44,533	(a)
Germany (Federal)—						
Cadmium	(a)	(a)	186,070	402,785	632,947	788,373
Cadmium oxide ..	(a)	(c) 1,102	13,228	17,417	32,628	24,691
Italy—						
Cadmium	—	—	35,053	21,325	9,986	220
Cadmium sulphide ..	3,086	16,976	11,244	13,816	4,764	8,598
Sweden	235,895	213,848	248,525	174,165	295,419	191,802
Yugoslavia	4,630	1,323	4,275	10,194	4,623	11,826
Algeria	(a)	661	220	661	220	882
United States—						
Cadmium	724,334	90,065	1,478,770	1,555,138	402,299	927,495
Flue dust (cadmium content)	1,507,417	1,606,775	1,991,549	1,863,538	1,482,565	1,832,827
Argentina—						
Cadmium salts ..	4,149	(a)	4,081	11,184	21,592	33,951
Brazil (total imports)—						
Cadmium	(a)	(a)	(a)	1,091	17,767	17,873
Cadmium salts ..	(a)	(a)	(a)	4,050	15,053	1,834
Chile—						
Cadmium	13	99	227	214	(a)	(a)
Cadmium salts ..	23	140	—	37	(a)	(a)
Turkey—						
Cadmium	68	26	51	15	35	68
Cadmium salts ..	128	157	203	518	917	4,063

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) October to December only.

(d) Revised.

CHINA CLAY
PRODUCTION OF CHINA CLAY
(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	734,648	908,840	789,908	809,288	972,473	1,144,234
Kenya	1,286	1,908	877	—	—	919
Southern Rhodesia	13,696	9,569	3,573	—	—	—
Tanganyika	59	156	256	1,204	296	94
Union of South Africa	8,323	10,526	7,361	7,785	12,890	10,067
Hong Kong	1,701	5,589	4,330	5,934	6,053	5,432
India	53,583	69,096	85,963	94,422	146,144	(a)
Malaya	1,435	1,719	1,128	1,241	1,352	1,378
Australia (e)	(c) 41,415	40,233	36,057	39,722	41,253	45,054
FOREIGN COUNTRIES						
Austria (crude)	182,814	208,204	198,652	193,743	237,365	256,205
Belgium	17,471	23,061	26,270	37,472	27,868	(a)
Denmark—						
Crude	12,495	13,022	14,177	10,929	6,266	6,217
Washed and pressed	2,881	7,103	7,423	6,225	6,222	6,389
Washed and unpressed	3,615	(a)	(a)	(a)	(a)	(a)
Washed waste	8,456	5,671	7,184	5,665	4,723	7,633
France	99,596	104,741	(d) 153,157	(d) 165,282	109,000	110,000
Germany (Federal)	288,825	292,825	278,564	267,357	290,929	313,301
Greece	6,240	8,000	8,624	12,450	10,383	(a)
Italy—						
Crude	57,928	55,835	74,747	62,365	46,809	(a)
Kaolinic earth	21,513	23,961	5,616	19,090	25,943	(a)
Portugal—						
Crude	16,602	11,025	20,717	24,137	23,359	18,867
Washed	10,364	26,168	10,064	12,653	15,188	22,771
Kaolinic sand (g)	301	243	76	279	70	(a)
Spain (crude)	37,937	49,691	60,195	64,855	50,976	52,297
Sweden (washed) (b)	6,078	1,339	2,401	1,553	1,707	1,480
Algeria	750	1,450	1,999	381	374	566
Egypt	69	236	—	286	845	2,671
Eritrea	1,000	(a)	(a)	(a)	(a)	(a)
Madagascar	126	75	70	50	46	87
Morocco (Spanish)	(a)	44	73	143	2	37
Mozambique	53	—	—	—	108	92
United States (h)	1,563,266	1,666,338	1,633,127	1,682,120	1,684,820	1,934,300
Argentina	(a)	22,000	25,000	24,000	26,000	27,000
Chile	8,586	8,798	4,320	(a)	(a)	(a)
Peru (b)	460	465	156	141	184	(a)
Japan	(a)	(a)	12,703	14,907	12,471	12,161
Korea (South)	5,177	7,577	1,738	14,391	9,308	13,920

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

(a) Information not available.

(b) Sales.

(c) Including Pottery clay produced in Victoria.

(d) Including Kaolinic earth.

(e) Excluding South Australia up to and including 1951.

(f) Bizonal area.

(g) Kaolin content.

(h) Sold or used by producers.

EXPORTS OF CHINA CLAY

(Domestic Produce)

(Long tons)

Exporting Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom	405,225	471,666	458,409	475,956	572,584	683,507
Tanganyika	18	46	161	1,230	256	45
Union of South Africa	—	485	12	56	10	—
Hong Kong	(a)	(a)	2,024	2,491	3,632	4,072
Malaya	158	258	250	130	118	259
FOREIGN COUNTRIES						
Austria	12,292	14,074	15,407	14,904	18,681	26,078
Belgium-Luxemburg						
E.U.	1,042	168	2,283	38	525	431
Denmark	33	34	15	499	576	807
France—						
China clay	4,890	6,753	3,575	3,241	2,508	2,976
Kaolinic earth	1,349	1,666	1,310	1,242	1,141	1,730
Germany (Federal)	10,037	15,382	15,345	16,482	18,408	24,011
Italy	24	49	79	21	73	110
Portugal	2,024	9,938	5,125	5,821	7,847	15,565
Spain	174	205	2,666	5,788	5,142	(a)
Sweden	60	907	359	39	15	17
Algeria (b)	536	633	507	461	706	569
Morocco (Spanish)	(a)	115	20	17	—	(a)
United States	25,233	32,531	35,985	38,920	43,928	44,491
Chile	693	—	338	—	(a)	(a)

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

(a) Information not available.

(b) Including Kaolinic earth.

IMPORTS OF CHINA CLAY

(Less Re-exports)

(Long tons)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Union of South Africa (b)	538	713	625	1,259	1,679	(a)
Canada	83,062	96,097	89,295	100,769	83,523	106,404
Hong Kong (total imports)	(a)	(a)	(a)	86	222	106
India	2,664	6,470	7,394	11,675	11,960	15,042
Malaya (total imports) ..	5	3	19	2	25	39
Australia	2,108	644	2,709	129	433	(a)
New Zealand	875	580	774	741	1,003	1,179
FOREIGN COUNTRIES						
Austria	858	1,725	1,431	1,079	1,244	2,624
Belgium-Luxemburg E.U.	36,386	48,376	31,038	34,927	41,933	45,467
Denmark—	18,478	20,876	21,780	19,041	26,187	26,871
Finland	18,405	29,720	26,995	22,186	33,540	44,897
France—						
China clay	30,655	55,002	33,520	36,069	49,006	62,858
Kaolinic earth	1,716	1,288	1,211	1,255	921	744
Germany (Federal)	61,002	70,964	90,623	89,087	112,879	143,363
Italy	33,266	41,010	51,717	51,217	62,401	72,051
Netherlands (c)	54,092	53,925	49,030	57,931	56,025	67,372
Norway	19,410	25,747	23,917	24,449	25,555	34,528
Portugal	48	28	59	62	110	121
Spain	184	1,082	105	75	69	(a)
Sweden	41,610	50,208	45,589	53,023	58,970	62,442
Yugoslavia	741	305	119	186	1,272	4,517
Algeria	1,545	3,149	1,068	2,518	2,594	2,982
Morocco (French)	67	(a)	39	328	1,935	(a)
United States	109,798	98,638	92,801	106,049	119,959	136,068
Argentina	1,819	(a)	400	95	1,507	6,734
Brazil (total imports) ..	(a)	(a)	(a)	46	58	85
Chile	37	105	71	70	(a)	(a)
Colombia (total imports) ..	(a)	260	232	85	400	107
Ecuador	(a)	61	80	88	137	(a)
Peru	125	70	174	102	253	348
Uruguay	1,707	1,271	615	1,150	(a)	(a)
Indonesia	268	1,465	1,060	547	778	1,083
Iran (d)	(a)	2	16	3	7	(a)
Japan	(a)	2,967	4,368	7,197	9,967	10,896
Philippine Republic	207	14	212	149	537	344
Turkey	4	88	101	126	26	51

(a) Information not available.

(b) Including Cornish or china stone.

(c) Including pipe clay.

(d) Years ended March 20 following that stated.

CHROME ORE AND CHROMIUM

PRODUCTION OF CHROME ORE

(Long tons)

Producing Country	Estimated Cr ₂ O ₃ content					
	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Sierra Leone	7,399	16,165	23,493	24,354	18,343	20,742
Southern Rhodesia .. .	286,922	295,527	317,571	413,420	395,097	401,076
Union of South Africa ..	488,487	536,399	570,866	713,006	631,196	533,368
Cyprus (b)	16,371	12,349	11,594	6,829	9,150	7,912
India	16,729	16,702	35,187	64,770	45,507	(c) 70,000
Pakistan	18,125	17,498	17,230	23,439	21,863	28,000
Australia	891	1,380	1,398	2,741	4,943	—
TOTAL	834,900	895,100	977,300	1,248,600	1,126,100	1,061,000
FOREIGN COUNTRIES						
Albania	51,000	45,000	51,000	54,000	(a)	144,000
Greece	12,627	24,933	31,654	36,178	26,346	24,912
Portugal	44	32	106	5	21	—
U.S.S.R. (estimated) .. .	450,000	550,000	600,000	600,000	600,000	600,000
Yugoslavia	112,924	98,065	105,529	124,956	122,514	124,214
Egypt	64,780	77,816	60,832	68,933	71,438	75,988
Cuba	142	1,120	60	394	130	286
Guatemala	361	6,300	19,021	52,515	145,862	136,087
United States	3,176	2,378	2,607	3,520	1,882	4,059
Brazil	(a)	885	19,279	18,170	13,025	9,991
Iran (d)	32,438	40,302	46,406	36,981	32,266	26,133
Japan	246,555	329,287	534,930	548,282	444,059	585,610
Philippine Republic .. .	415,030	588,343	763,065	637,581	531,520	634,155
Turkey	83,462	87,390	105,960	119,672	83,611	45,348
New Caledonia	—	—	—	—	—	—
TOTAL	1,470,000	1,850,000	2,320,000	2,280,000	2,110,000	2,410,000
World's TOTAL .. .	2,305,000	2,750,000	3,300,000	3,530,000	3,240,000	3,470,000

(a) Information not available. (b) Figures relate to saleable production. (c) Exports. (d) Years ended March 20 following that stated. Probably partial production only. (e) Estimated.

EXPORTS OF CHROME ORE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Chromium metal ..	161	86	331	275	237	238
Chromates of potash ..	653	200	454	361	490	931
Chromates of soda ..	2,057	1,964	1,467	1,422	2,413	2,934
Sierra Leone—						
Ore	13,909	11,930	23,970	26,096	15,120	17,750
Southern Rhodesia—						
Ore	237,976	300,593	263,496	422,827	284,355	382,845
Ferro-chrome ..	(a)	(a)	(a)	247	2,294	6,616
Union of South Africa—						
Ore	483,923	494,195	400,904	505,790	458,737	452,541
Canada—						
Ferro-chrome	29,389	39,046	39,545	30,200	13,664	11,030
Cyprus—						
Ore and concentrates ..	18,150	12,453	13,274	7,277	9,867	8,570
India—						
Ore	3,864	8,113	(b) 8,936	(b) 15,357	(b) 23,353	48,743
Pakistan—						
Ore	12,154	19,351	16,400	19,853	13,200	22,105
*FOREIGN COUNTRIES						
Austria—						
Ore	(a)	3,650	1,909	1,871	1,917	2,271
Belgium-Luxemburg						
E.U.—						
Chromates of potash and soda	391	712	132	97	1	47
France—						
Ferro-chrome	2,370	4,338	4,599	6,232	6,051	11,615
Chromates, chrome alum, etc.	786	930	797	276	1,308	939
Germany (Federal)—						
Chromates of potash and soda, and oxides of chromium	5,030	3,208	(a)	(a)	(a)	(a)
Chrome alum	(a)	(a)	481	439	605	751
Greece—						
Ore	9,389	23,414	29,677	27,506	22,168	33,142
Italy—						
Ferro-chrome	195	528	200	67	5	220
Chromates and bichromates	(c) 197	1,577	345	448	227	134
Netherlands—						
Chromates	5	1	—	6	52	145
Norway—						
Ferro-chrome	16,152	21,624	19,414	14,293	10,562	25,542
Portugal—						
Ore	689	—	—	—	—	—
Sweden—						
Ore	—	15	—	—	—	15
Ferro-chrome	4,624	5,150	6,488	5,694	6,325	10,935
Chromates and chrome alum	1,615	1,736	664	882	1,007	725

(a) Information not available.

(b) Sea-borne trade only.

(c) July to December only.

EXPORTS OF CHROME ORE, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Ferro-chrome, including ferro-silicon	1,289	3,724	3,235	1,369	2,273	960
U.S.S.R.—						
Ore (b)	(c) 81,121	20,957	(c) 17,552	(c) 24,156	(c) 20,260	53,296
Yugoslavia—						
Ore	39,677	52,113	50,388	54,039	8,053	44,773
Ferro-chrome	2,216	3,206	1,689	1,853	1,855	3,490
Egypt—						
Ore	(a)	(a)	(a)	556	(a)	(a)
Cuba—						
Ore	115,505	89,568	83,963	75,075	8,804	46,978
United States—						
Ore	1,825	1,813	1,367	1,041	771	1,197
Ferro-chrome	309	214	1,138	542	1,879	4,191
Chromates of potash ..	372	1,611	706	172	565	356
Chromates of soda ..	1,828	7,862	2,930	2,142	4,448	5,371
Japan—						
Ferro-chrome	1,319	251	14	49	7	2,576
Bichromates	85	440	7	810	635	3,434
Philippine Republic—						
Ore	245,977	336,656	508,160	572,581	456,328	407,129
Turkey—						
Ore	348,018	496,639	616,514	667,742	350,929	550,746
New Caledonia—						
Ore	72,799	91,670	101,037	110,379	58,559	87,701

(a) Information not available.

(b) Exports are not available. Figures are imports from the U.S.S.R. as recorded in the trade returns of the United Kingdom, Germany, Norway, Sweden and the United States.

(c) Revised.

IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore	105,879	131,802	167,561	160,375	134,686	151,979
Ferro-chrome	12,117	22,279	33,729	16,821	9,134	26,187
Ferro-silicon-chrome	(a)	(a)	588	171	662	1,695
Chromates of potash	—	14	2	25	—	—
Chromates of soda	1	88	110	1,281	1,820	3,670
Canada—						
Ore	106,540	131,249	132,449	105,439	33,497	46,298
Bichromate of potash	137	211	170	116	136	114
Bichromate of soda	2,004	3,138	1,655	2,234	1,940	3,019
India (total imports)—						
Ferro-chrome	(a)	(a)	(a)	50	87	193
Bichromate of potash	—	2	—	—	1	—
Bichromate of soda	—	—	—	54	455	59
Pakistan (b)—						
Bichromate of potash	(a)	23	7	27	46	10
Bichromate of soda	(a)	255	257	(a)	(a)	(a)
Australia (c)—						
Ore (d)	1,713	4,474	5,121	6,264	4,176	4,962
Ferro-chrome (d)	3,015	770	556	2,157	1,012	994
Bichromate of potash	53	26	8	2	8	6
Chromates of soda	312	124	66	19	200	98
New Zealand—						
Bichromate of potash	24	40	35	13	14	} 129
Bichromate of soda	132	223	142	53	86	
FOREIGN COUNTRIES						
Austria—						
Ore	(a)	48,183	49,197	59,695	57,165	57,559
Ferro-chrome	4,686	3,249	3,933	3,391	5,467	6,711
Chromates	662	393	569	673	732	969
Belgium-Luxemburg						
E.U.—						
Ore	1,036	3,421	2,334	341	415	712
Ferro-chrome and silico-chrome	(a)	(a)	(a)	(a)	1,107	2,224
Chromates of potash and soda	786	813	649	1,229	1,329	1,674
Chrome alum	252	204	194	134	181	170
Denmark—						
Ferro-chrome	174	235	329	151	158	211
Chromates of potash and soda	233	437	209	188	486	804
Finland—						
Ferro-chrome	410	607	628	715	403	565
Chromates of potash and soda	224	608	551	353	181	671
France—						
Ore	21,218	67,833	82,871	63,362	57,755	104,529
Ferro-chrome	5	1	—	4	13	20
Chromates	472	2,222	1,022	1,676	3,522	4,050
Germany (Federal)—						
Ore	72,788	104,944	103,426	96,870	204,578	234,320
Italy—						
Ore	(e) 6,180	17,028	18,465	13,618	25,975	25,151
Ferro-chrome	1,924	907	1,407	2,385	3,240	3,401
Chromates	(e) 116	50	564	1,006	614	882
Chrome alum	313	138	74	255	364	376

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

(d) Revised.

(e) July to December only.

IMPORTS OF CHROME ORE, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Ore	(a)	189	141	231	303	260
Chromates	1,316	2,165	1,162	1,302	1,456	2,019
Chrome alum	446	474	159	301	365	418
Norway—						
Ore	51,634	49,130	49,716	47,317	30,356	77,034
Portugal—						
Chromates of potash and soda	1	1	46	33	79	55
Chrome alum	1	—	7	—	—	—
Spain—						
Chromates	228	2	—	—	49	(a)
Sweden—						
Ore	54,319	40,843	47,441	56,863	40,168	78,826
Ferro-chrome	2,035	2,462	1,612	1,310	1,350	1,881
Chrome alum	1	—	1	14	—	—
Chromates	854	843	1,428	185	533	732
Switzerland—						
Ferro-chrome and ferro-silicon	1,280	8,037	3,070	1,375	3,411	4,036
Algeria—						
Chromates	(a)	34	27	13	48	59
Egypt—						
Chromates of potash and soda	467	511	416	365	323	509
Morocco (French)—						
Chromates	86	(a)	80	236	221	(a)
Mexico (total imports)—						
Chromates	387	1,442	780	869	1,202	1,620
United States—						
Ore	1,161,087	1,275,911	1,525,865	1,988,045	1,312,561	1,611,407
(Cr ₂ O ₃ content)	517,305	545,300	639,719	841,629	543,513	673,744
Ferro-chrome (Cr content)	11,375	14,671	10,808	18,396	8,539	17,319
Metal and alloys	53	83	135	158	127	239
Argentina—						
Bichromate of potash	87	(a)	351	46	1,029	1,096
Bichromate of soda	450	(a)	1,095	551	1,489	1,868
Chromate of lead	43	(a)	1	—	—	10
Chrome alum	86	(a)	119	20	50	—
Brazil (total imports)—						
Chromates of potash and soda	(a)	318	1,362	434	3,691	1,009
Other chromium salts	(a)	25	8	82	608	(a)
Chile—						
Ferro-chrome	—	—	124	141	(a)	(a)
Bichromate of soda	309	466	493	328	(a)	(a)
Colombia (total imports)						
Chrome alum	(a)	229	52	37	2	4
Chromates	(a)	296	117	112	92	173
Peru—						
Chromates	54	151	127	90	114	113
Uruguay—						
Chromates of potash and soda	146	174	173	83	144	(a)
Japan—						
Ore	6,986	27,902	13,282	19,789	58,543	56,991
Ferro-chrome	(a)	21	—	10	488	143
Turkey—						
Chromates	89	59	90	110	95	60
Chrome alum	26	53	58	77	19	50

(a) Information not available.

COAL, COKE AND BY-PRODUCTS

PRODUCTION OF COAL

(Including Brown Coal and Lignite)

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain—						
Mined—						
Anthracite	3,654,900	3,731,500	3,707,800	3,672,200	3,707,400	3,513,700
Bituminous	200,484,500	208,151,100	210,615,900	208,831,200	210,286,100	206,718,100
Opencast (b)	12,185,400	11,009,800	12,167,100	11,704,100	10,096,200	11,368,900
Northern Ireland—						
Bituminous	570	1,296	890	2,180	2,390	1,243
Nigeria						
.. ..	583,238	550,281	581,048	700,264	635,841	748,499
Southern Rhodesia						
.. ..	2,094,501	2,263,794	2,518,947	2,577,172	2,704,758	3,262,322
Tanganyika						
.. ..	—	—	—	43	522	785
Union of South Africa						
.. ..	26,055,179	26,211,876	27,621,036	28,009,840	28,851,726	31,639,175
Canada—						
Bituminous	12,155,639	11,931,686	11,320,895	10,249,460	9,232,692	9,085,137
Sub-bituminous	2,965,690	2,678,587	2,514,406	2,142,834	2,193,056	2,089,478
Lignite	1,967,163	1,985,105	1,860,237	1,804,736	1,889,946	2,048,050
India						
.. ..	32,307,481	34,432,396	36,303,589	35,980,408	36,880,810	38,213,000
Pakistan						
.. ..	435,149	504,703	600,026	583,727	553,743	543,000
Malaya						
.. ..	415,777	382,539	314,922	286,364	224,540	206,118
Australia—						
Bituminous (c)	} 16,548,377	16,112,041	17,796,168	16,846,196	17,921,841	17,692,176
Sub-bituminous		1,496,387	1,608,930	1,564,649	1,839,540	1,591,155
Lignite	7,327,119	7,836,056	8,103,764	8,257,299	9,331,255	10,112,206
New Zealand—						
Anthracite	1,959	672	808	1,944	2,003	1,505
Bituminous	919,029	677,258	860,898	772,242	811,952	782,210
Sub-bituminous	1,468,397	1,470,465	1,658,353	1,543,492	1,590,914	1,590,194
Lignite	280,066	287,110	229,749	201,037	189,387	182,744
TOTAL	321,850,000	331,714,000	340,385,000	335,732,000	338,946,000	341,389,000
Irish Republic—						
Anthracite	47,522	54,799	51,536	71,724	} 151,126	134,500
do. dust	49,250	49,679	56,836	41,440		
Semi-bituminous	53,460	53,329	41,989	37,132	} 51,044	59,200
Other	18,945	18,449	12,717	13,704		

(a) Information not available.

(b) Production of opencast coal by kinds was as follows (long tons) :

1950—Anthracite	902,300,	Bituminous	11,283,100
1951—	617,600	"	10,392,000
1952—	475,700	"	11,691,400
1953—	527,800	"	11,176,300
1954—	769,200	"	9,327,000
1955—	851,500	"	10,517,400

(c) Including semi-anthracite.

PRODUCTION OF COAL (cont.)

Producing Country	1950	1951	1952	1953	1954	1955	
FOREIGN COUNTRIES							
Albania—							
Bituminous (b) ..	40,000	40,000	40,000	40,000	57,000	(a)	
Lignite (b) ..	28,000	30,000	30,000	30,000	30,000	(a)	
Austria—							
Bituminous ..	180,053	192,581	187,323	159,014	173,893	168,331	
Brown coal ..	4,239,706	4,909,890	5,097,162	5,486,021	6,185,570	6,514,335	
Belgium ..	26,889,325	29,182,900	29,904,481	29,585,530	28,786,760	29,503,000	
Bulgaria ..	5,621,449	6,021,387	7,293,400	8,284,000	8,864,000	10,100,000	
Czechoslovakia—							
Bituminous ..	18,159,000	18,010,000	19,800,000	20,020,000	21,200,000	21,800,000	
Brown coal ..	27,072,000	30,500,000	32,900,000	33,900,000	38,100,000	40,100,000	
Denmark—							
Lignite ..	758,000	1,557,000	1,576,000	785,000	668,000	788,000	
France—							
Anthracite and bituminous ..	50,032,260	52,138,156	54,492,494	51,764,865	53,546,000	54,461,000	
Lignite ..	1,659,681	1,971,168	1,958,369	1,917,326	1,880,000	2,021,000	
Germany—							
Federal Republic—							
Bituminous ..	110,542,800	118,776,000	123,089,000	124,163,000	127,713,000	130,452,000	
Brown coal ..	74,643,000	81,808,000	82,049,000	83,219,000	86,426,000	88,930,000	
East Germany—							
Bituminous ..	2,763,000	3,363,000	3,469,000	3,098,000	(b)3,000,000	(b)3,000,000	
Brown coal ..	136,100,000	150,100,000	156,600,000	170,100,000	179,100,000	198,200,000	
Greece—							
Lignite ..	177,000	174,000	252,000	437,464	688,959	770,032	
Hungary—							
Bituminous ..	1,378,000	1,593,000	1,691,000	1,961,000	2,397,000	2,649,000	
Brown coal and lignite	11,681,000	13,435,000	16,580,000	18,716,000	18,799,000	19,314,000	
Italy—							
Anthracite ..	67,537	80,762	80,170	67,083	62,548	47,461	
Bituminous ..	947,012	1,067,803	991,687	1,045,896	994,051	1,069,741	
Brown coal ..	768,479	864,764	839,547	745,550	627,953	409,766	
Netherlands—							
Bituminous ..	12,053,935	12,227,944	12,334,371	12,102,437	11,880,822	11,707,000	
Brown coal ..	191,011	245,122	231,208	249,349	247,531	251,000	
Poland—							
Bituminous ..	76,769,000	80,697,000	83,103,000	87,197,000	90,200,000	93,000,000	
Brown coal ..	4,764,000	5,800,000	6,100,000	5,500,000	5,800,000	5,900,000	
Portugal—							
Anthracite ..	412,208	410,225	435,081	470,766	425,233	398,085	
Brown coal ..	92,107	83,799	75,627	70,275	64,144	86,444	
Roumania—							
Anthracite ..	} 3,000,000	300,000	400,000	400,000	400,000	400,000	
Bituminous ..		300,000	400,000	400,000	400,000	400,000	
Brown coal ..		3,500,000	4,200,000	4,700,000	5,000,000	5,100,000	5,700,000
Lignite ..		3,500,000	4,200,000	4,700,000	5,000,000	5,100,000	5,700,000
Saar ..	14,853,000	16,027,000	15,979,000	16,160,000	16,552,000	17,056,000	
Spain—							
Anthracite ..	1,480,368	1,575,618	1,807,414	1,919,484	1,932,921	1,925,000	
Bituminous ..	9,461,785	9,795,249	10,262,853	10,279,933	10,469,728	10,263,000	
Lignite ..	1,294,892	1,473,434	1,574,742	1,763,178	1,726,695	1,795,000	
Spitzbergen—							
Norwegian mines ..	358,158	462,571	446,242	420,748	335,143	317,059	
Russian mines (c) ..	183,705	244,862	248,895	258,743	277,092	305,215	

(a) Information not available.

(b) Estimated.

(c) Exports.

PRODUCTION OF COAL (cont.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Sweden	304,411	274,364	341,515	280,152	263,059	277,496
U.S.S.R.—						
Bituminous, etc.	182,300,000	199,200,000	211,600,000	220,800,000	239,900,000	271,700,000
Lignite	74,700,000	78,200,000	84,500,000	94,600,000	101,800,000	113,100,000
Yugoslavia—						
Bituminous	1,136,000	976,000	995,000	910,000	972,000	1,119,000
Brown coal and lignite	11,527,000	10,875,000	10,912,000	10,158,000	12,475,000	13,848,000
Algeria—						
Bituminous	253,700	242,700	265,122	289,906	298,000	297,600
Belgian Congo	157,441	214,459	248,891	310,220	372,955	472,345
Madagascar	1,870	5,380	3,504	4,493	973	50
Morocco (French)—						
Anthracite	362,058	387,730	452,700	556,100	478,300	459,600
Mozambique	55,087	87,554	113,143	159,120	139,322	169,821
Tunis—						
Lignite	40,500	8,040	—	—	—	—
Greenland	8,000	7,000	8,000	7,000	8,000	7,000
Mexico (c)	1,053,615	1,132,351	1,345,279	1,409,696	1,280,320	1,321,762
United States—						
Anthracite	39,354,199	38,098,212	36,234,427	27,633,171	25,967,390	23,542,000
Bituminous	457,983,113	473,547,882	414,128,109	405,749,479	345,949,548	420,000,000
Lignite	3,008,898	2,938,486	2,694,018	2,545,564	3,788,220	—
Argentina	25,700	38,900	111,000	80,794	92,000	133,832
Brazil	1,951,743	1,918,759	1,930,321	1,992,948	2,023,004	2,220,631
Chile—						
Bituminous	2,146,478	2,176,371	2,411,378	2,299,077	2,231,520	2,271,251
Colombia	(a)	(a)	(b)1,000,000	1,206,000	1,500,000	1,820,000
Peru—						
Anthracite	32,384	62,755	78,421	67,828	76,547	(a)
Bituminous	160,133	120,032	143,387	139,102	126,252	(a)
Venezuela	24,985	27,100	24,796	28,979	31,891	29,995
Afghanistan	9,000	13,306	12,200	15,330	15,170	(a)
China (b)	39,000,000	51,000,000	62,500,000	68,000,000	82,000,000	91,000,000
Formosa	1,412,000	1,631,000	2,250,000	2,354,000	2,084,000	2,317,000
Indo-China—						
Anthracite	486,607	632,100	824,568	819,057	971,600	1,080,000
Indonesia	791,730	854,012	943,556	883,159	879,640	801,214
Iran (b)	250,000	250,000	250,000	250,000	250,000	250,000
Japan—						
Anthracite	674,000	933,000	992,000	1,075,000	1,228,000	1,335,000
Bituminous	37,179,000	41,703,000	41,679,000	44,714,000	40,817,000	40,415,000
Lignite	1,264,000	1,382,000	1,515,128	1,462,322	1,421,619	1,346,000
Korea (South)—						
Anthracite	554,900	232,700	566,808	852,749	876,892	1,287,660
Lignite	23,000	3,100	2,219	263	—	—
Philippine Republic	156,314	148,311	137,238	152,458	117,738	128,126
Turkey—						
Bituminous	4,291,728	4,654,892	4,769,801	5,067,653	5,623,872	5,420,028
Lignite	1,184,501	1,234,997	1,365,120	1,299,791	2,062,285	2,377,880
TOTAL	1,470,000,000	1,570,000,000	1,560,000,000	1,590,000,000	1,600,000,000	1,760,000,000
WORLD'S TOTAL .. .	1,792,000,000	1,902,000,000	1,900,000,000	1,926,000,000	1,941,000,000	2,102,000,000

(a) Information not available.

(b) Estimated.

(c) Revised.

PRODUCTION OF COKE

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain—						
Gas-works—coke (b) ..	11,768,200	12,354,300	12,532,100	12,301,200	12,331,400	12,704,000
breeze (b) ..	2,705,000	2,689,400	2,770,500	2,747,200	2,832,400	2,793,000
Coke-ovens—coke ..	15,381,400	16,096,200	17,091,800	17,481,200	17,852,500	18,103,000
breeze ..	1,017,000	1,000,700	1,039,900	1,085,300	1,162,100	1,191,000
Northern Ireland—						
Gas-works	164,000	173,700	170,400	169,820	172,300	163,376
Southern Rhodesia ..	94,357	92,786	108,605	133,462	142,289	186,635
Union of South Africa ..	1,019,660	1,233,845	1,332,035	1,421,873	1,361,710	1,379,059
Canada—						
Gas-works—coke ..	216,497	212,723	153,366	134,154	163,763	3,597,257
breeze ..	1,996	1,691	1,063	28,643		
Coke-ovens—coke ..	3,103,922	3,072,097	3,236,852	3,359,133	2,882,333	
breeze ..	217,474	223,869	230,732	275,242		
India—						
Gas-works	75,440	74,606	89,011	98,284	90,546	91,718
Hard	2,215,089	2,201,641	2,177,221	2,011,560	2,323,434	2,601,465
Soft	1,268,870	1,250,165	1,289,411	1,472,517	1,538,607	1,650,814
Australia (d)—						
Gas-works—coke ..	988,336	1,041,715	1,203,602	1,071,106	839,793	1,099,859
breeze ..	75,606	118,231	123,231	62,965	366,041	208,218
Coke-ovens—coke ..	1,164,401	1,586,461	1,636,982	1,858,428	2,010,404	2,046,790
breeze ..	87,394	108,658	119,288	90,135	139,758	128,684
New Zealand (e)—						
Gas-works	95,523	69,158	88,533	74,672	68,983	(a)
Irish Republic—						
Gas-works (c)	83,975	89,902	89,065	88,188	98,650	96,200
FOREIGN COUNTRIES						
Austria—						
Gas-works	547,520	449,830	447,170	402,467	449,786	427,616
Coke-ovens	971,705	1,068,540	1,210,285	1,198,236	1,330,762	1,450,471
Belgium—						
Gas-works	27,959	22,569	20,763	19,452	17,700	9,000
Coke-ovens	4,525,440	6,000,110	6,306,015	5,851,516	6,049,740	6,497,000
Czechoslovakia—						
Coke-ovens	4,799,000	(a)	(a)	8,400,000	9,200,000	(a)
Denmark (gas-works) ..						
	363,300	401,600	410,400	433,000	437,000	572,200
Finland (gas-works) ..						
	66,622	74,806	113,264	117,110	103,963	113,687
France—						
Gas-works (sales) ..	2,061,100	2,800,000	2,637,000	2,412,000	2,090,000	1,677,000
Coke-ovens	6,915,490	7,975,326	9,097,191	8,512,710	9,079,000	10,556,000
Semi-coke	248,270	267,401	274,357	263,981	282,000	297,000
Germany (Federal)—						
Gas-works	2,094,000	3,242,000	3,350,000	3,967,000	4,218,000	4,982,000
Coke-ovens—Hard coke	26,901,700	33,102,000	36,679,000	37,231,000	34,465,000	39,976,000
do. Brown-coal coke	654,300	680,000	690,000	713,000	682,000	611,000
Germany (East) ..	(a)	(a)	(a)	2,270,000	2,560,000	(a)
Greece (gas-works) ..	(a)	30,818	29,707	30,020	(a)	(a)
Hungary						
	227,000	270,000	334,000	484,000	479,000	444,000
Italy—						
Gas-works	1,049,857	1,074,681	1,095,760	1,059,832	1,035,533	962,967
Coke-ovens	1,486,469	2,146,135	2,435,241	2,400,104	2,573,577	2,905,029

(a) Information not available

(b) Excluding coke used for heating retorts.

(c) Including coke-breeze.

(d) Years ended June 30 of that stated.

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

PRODUCTION OF COKE (cont.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Gas-works	980,000	943,000	913,000	937,000	913,000	854,000
Coke-ovens	2,759,600	2,926,000	3,177,000	3,234,000	3,327,000	3,839,000
Norway (gas-works) ..	60,031	60,154	64,270	62,488	61,484	56,815
Poland	5,952,000	6,250,000	7,234,000	7,776,900	8,386,200	9,877,000
Portugal (gas-works)	24,498	26,383	27,784	33,614	34,189	(a)
Saar—						
Gas-works	600	—	—	—	—	—
Coke-ovens	3,176,023	3,706,056	3,825,831	3,532,580	3,607,000	3,877,000
Semi-coke	50,222	85,323	92,105	81,728	90,000	114,000
Spain—						
Gas-works	197,056	212,783	218,807	223,174	241,348	251,613
Coke-ovens	931,158	979,136	1,169,871	1,161,388	1,216,658	1,429,000
Sweden (including breeze)	618,604	557,931	660,833	700,498	783,011	810,000
Switzerland—						
Gas-works	406,500	459,000	451,000	441,000	438,000	457,000
U.S.S.R.	27,300,000	30,200,000	33,200,000	36,300,000	39,700,000	42,900,000
Yugoslavia—						
Gas-works	32,931	30,322	25,202	24,662	23,347	23,421
Coke-ovens	—	—	14,788	291,045	397,747	719,853
Algeria (gas-works)	75,242	94,815	89,614	92,267	87,460	82,908
Canary Islands (gas-works)	1,343	364	—	—	—	—
Egypt	(a)	(a)	(a)	21,052	21,283	22,803
Tunis (gas-works)	12,732	12,633	12,331	15,605	10,547	589
Mexico (coke-ovens)	427,290	443,906	540,856	565,601	392,514	500,252
United States—						
Coke-ovens—						
Coke	56,314,174	60,993,882	54,571,748	63,603,534	51,718,149	64,801,868
Breeze and screenings	4,299,431	4,290,490	3,923,677	4,505,913	3,432,971	4,275,315
Coke-ovens (gas-works)						
(c)—						
Coke	3,409,592	3,280,379	2,437,283	2,104,973	1,015,281	898,323
Breeze and screenings	319,103	286,147	218,617	184,700	76,452	65,957
Beehive—						
Coke	5,203,054	6,556,723	3,932,137	4,681,544	536,655	1,533,582
Breeze and screenings	80,993	78,262	57,376	74,514	24,574	79,281
Gas-works—						
Coke	155,734	113,070	40,102	211,800	228,486	(a)
Breeze and screenings	22,192	17,326	4,185	2,155	—	(a)
Argentina	(a)	(a)	(a)	(a)	(a)	138,691
Brazil (d)	282,069	281,093	295,604	326,794	449,575	473,530
Chile	119,582	117,128	111,211	107,814	105,040	(a)
Colombia (b)	2,000	2,000	2,000	2,000	2,500	250,000
Uruguay (gas-works)—						
Coke	32,116	33,408	35,874	35,101	34,877	30,197
Breeze	4,139	4,926	5,743	5,797	5,797	4,248
Formosa—						
Gas-works	(a)	(a)	2,275	4,568	4,997	41,010
Coke-ovens	(a)	149,299	160,521	140,884	118,175	130,823
Japan—						
Gas-works	1,311,000	1,661,905	1,853,375	2,107,836	2,169,407	2,336,000
Coke-ovens	2,055,000	2,738,209	2,967,068	3,726,254	3,431,258	3,722,000
Beehive, etc.	614,000	1,060,035	962,574	968,444	890,668	919,000
Turkey—						
Gas-works	60,390	62,483	66,244	(a)	(a)	(a)
Coke-ovens	299,052	302,990	393,552	540,034	501,072	499,457
Korea (South)	4,821	3,246	3,090	1,756	1,049	—

(a) Information not available.

(b) Estimated.

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

(d) Volta Redonda only.

PRODUCTION OF BRIQUETTES

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	1,397,000	1,747,000	1,776,000	1,576,000	1,682,000	1,686,000
Canada	403,742	353,571	634,904	632,583	741,911	583,564
Australia (b)—						
Brown-coal briquettes..	588,564	511,404	568,252	544,973	587,252	631,000
New Zealand	11,132	11,078	11,240	11,760	13,187	(a)
Irish Republic	1,050	2,755	1,317	1,795	(a)	(a)
FOREIGN COUNTRIES						
Belgium	1,003,617	1,781,542	1,459,436	1,311,582	1,356,505	1,512,000
Denmark—						
Brown-coal briquettes..	19,217	26,902	19,249	21,967	23,663	17,957
France	6,212,006	7,946,925	7,843,224	6,848,865	6,659,000	6,622,000
Germany (Federal)—						
Coal briquettes	3,662,900	4,039,000	4,883,000	4,822,000	5,532,000	6,370,000
Brown-coal briquettes..	14,676,900	15,672,500	16,144,000	16,317,000	16,404,000	16,180,000
Germany (East)—						
Brown-coal briquettes..	(a)	(a)	(a)	55,429,000	d 59,400,000	(a)
Italy—						
Anthracite briquettes ..	2,366	492	—	(a)	(a)	(a)
Netherlands—						
Coal briquettes	1,032,524	1,045,571	929,533	890,102	903,976	961,000
Brown-coal briquettes..	55,541	71,358	72,238	82,268	81,110	84,000
Poland—						
Coal briquettes	619,100	(a)	(a)	647,700	664,800	(a)
Brown-coal briquettes..	166,700	(a)	(a)	155,700	140,400	(a)
Portugal	77,952	89,923	92,791	60,774	64,321	67,056
Spain	1,112,509	1,142,213	1,130,306	1,145,138	1,093,949	1,051,000
Sweden	3,168	57,006	21,196	1,072	(a)	(a)
Switzerland (estimated)	100,000	100,000	100,000	100,000	100,000	100,000
Algeria	64,553	65,765	51,064	39,465	28,581	24,000
Morocco (French)	34,027	24,364	15,300	17,759	14,386	16,236
Tunis	41,481	36,347	14,552	10,979	5,606	9,836
United States (c)	2,473,232	2,131,446	2,035,496	1,589,340	1,450,412	1,454,948
Indo-China	(a)	(a)	(a)	(a)	49,152	(a)
Korea (South)	36,700	27,000	46,400	56,200	72,266	40,314

(a) Information not available.

(b) Years ended June 30 of that stated.

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

1950—121,145; 1951—106,728; 1952—85,953; 1953—71,189; 1954—69,071; 1955—61,796.

(d) Estimated.

PRODUCTION OF COAL BY-PRODUCTS*

(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain—						
Tar (quantity distilled)	2,530,000	2,700,000	2,710,000	2,710,000	2,777,000	2,778,000
Road tar (incl. refined)	616,000	608,000	610,000	593,000	653,000	662,000
Pitch	599,000	639,000	646,000	632,000	547,000	491,000
Motor benzol	216,900	195,700	225,900	197,600	197,600	189,000
Other motor spirits, etc.	134,300	119,700	117,700	117,700	115,300	108,700
Other refined light oils	116,100	138,800	138,000	171,400	186,700	195,700
Creosote-pitch mixture	580,000	632,000	647,000	664,000	780,000	803,000
Creosote oil	452,400	490,500	485,700	531,500	464,300	452,000
White naphthalene	12,000	13,200	6,500	7,500	10,300	9,600
Hot-pressed do.	13,900	15,400	18,600	18,500	19,200	20,800
Crude do.	14,000	12,600	16,900	9,100	11,400	19,600
Pyridine bases	750	930	840	890	1,100	1,500
Natural phenol	11,500	11,200	10,700	11,300	12,800	11,800
Refined cresylic acid	45,650	53,600	47,400	46,600	52,000	59,000
Anthracene 40-50%	2,550	2,590	2,820	2,480	2,410	2,600
Ammonium sulphate (b)	960,700	968,100	1,015,400	1,047,000	1,049,400	1,010,700
Canada—						
Tar (crude)	207,325	207,756	210,359	234,207	(a)	(a)
Tar (refined)	22,178	22,447	20,394	24,323	23,803	18,255
Pitch	101,348	100,126	117,627	118,515	121,350	106,829
Creosote oils	55,848	55,841	55,277	65,477	52,188	48,764
Ammonium sulphate	36,516	34,001	34,559	38,065	(a)	(a)
Benzol	28,748	30,242	32,497	36,269	(a)	(a)
Toluol, naphthalene, etc.	6,695	7,177	7,305	9,139	(a)	(a)
India (coke-ovens)—						
Tar	80,521	82,909	90,355	86,953	70,825	78,008
Benzol	4,741	4,130	4,951	4,370	4,087	3,071
Pitch	971	1,224	1,554	1,200	931	861
Naphthalene	144	205	123	76	68	18
Ammonium sulphate	22,104	25,713	25,699	8,866	10,092	11,902
Australia (gas-works) (c)—						
Tar (crude)	178,745	154,430	165,205	209,218	238,550	239,019
Tar (refined)	35,324	36,275	35,371	80,505	90,896	87,796
Tar oils (crude)	13,772	14,807	16,205	17,497	18,089	22,050
Ammonia liquor	80,731	107,740	104,374	99,773	101,197	119,517
Ammonium sulphate	760	(a)	(a)	(a)	(a)	(a)
New Zealand (d)—						
Tar (gas-works)	13,713	12,058	13,616	14,455	13,495	(a)
Irish Republic (gas-works)—						
Tar	14,102	14,405	15,078	15,219	14,615	(a)
Ammonium sulphate	277	240	241	40	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Tar	27,356	21,341	21,845	21,419	65,703	23,586
Benzol	4,609	4,384	4,086	4,422	14,887	2,752

*See page 79 for conversion rates. Some of the products are derived from the crude products shown. Duplication, therefore, is unavoidable in many cases.

(a) Information not available.

(b) Source: British Sulphate of Ammonia Federation. Includes ammonium sulphates from other sources.

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

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

PRODUCTION OF COAL BY-PRODUCTS (cont.)

Producing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Belgium—						
Tar (crude)	164,273	201,150	210,643	189,096	187,919	214,525
Benzol, (crude)	36,213	49,088	54,539	47,741	42,797	(a)
do. motor	10,052	(a)	20,691	25,958	27,223	36,565
do. industrial	16,175	28,700	14,829	5,376	5,232	7,511
Benzene	6,156	15,498	14,597	14,408	14,928	10,098
Toluol and xylol	3,913	5,524	5,319	6,050	5,988	3,720
Solvent naphtha	814	1,091	689	930	957	1,193
Ammonium sulphate	56,270	(a)	74,516	59,879	63,900	(a)
Pitch	21,780	25,237	27,404	24,902	19,255	(a)
Denmark (b)—						
Tar (gas-works)	41,274	44,185	42,116	45,340	41,642	44,084
Benzol (crude)	(a)	998	880	695	1,084	495
Finland (gas-works)—						
Tar	2,984	3,583	4,669	4,994	5,338	(a)
Benzol	455	621	575	634	538	(a)
Ammonia	228	251	249	315	325	(a)
France—						
Tar (crude)	468,132	532,200	576,970	559,200	584,305	627,400
Ammonium sulphate	81,566	88,138	97,891	88,317	89,887	98,400
Benzol (crude)	71,477	82,692	91,337	88,031	101,135	114,000
Pitch	153,899	166,278	176,600	169,300	153,200	168,600
Phenol (crude)	6,651	7,383	7,500	7,300	8,700	(a)
Naphthalene	24,399	33,905	34,300	25,000	28,380	35,100
Germany (Federal)—						
Tar (crude)	1,159,835	1,378,353	1,539,390	1,589,428	1,585,351	d 1,551,612
Pitch	610,660	707,181	798,420	819,609	782,550	893,868
Tar oils	350,075	392,406	448,031	462,832	486,247	546,470
Naphthalene	53,945	55,511	66,538	69,435	67,240	74,725
Benzol (crude)	309,534	383,174	428,481	437,183	431,999	502,709
Refined benzols	268,149	344,209	400,413	422,003	400,420	469,409
Phenol	6,165	5,724	5,317	7,673	8,141	9,607
Cresol and xylol	10,902	10,303	10,010	13,948	18,461	18,875
Anthracene	18,061	26,631	30,251	34,846	28,815	32,685
Pyridine and bases	565	363	753	717	453	355
Italy—						
Tar	109,862	135,246	144,593	143,257	148,493	162,066
Ammonium sulphate	15,735	29,665	38,451	(c) 21,303	(c) 30,560	(a)
Benzol (crude)	14,852	19,277	23,574	25,638	28,285	32,701
Naphthalene (crude)	5,925	8,077	5,108	4,186	6,415	6,256
Distillates	56,589	60,885	72,483	72,298	48,651	51,853
Benzol (refined)	14,721	16,077	21,256	19,771	16,622	18,251
Toluol and xylol	2,413	4,523	4,775	6,193	4,651	5,756
Pitch	38,603	41,829	45,980	50,569	58,864	62,037
Solvents	3,283	3,576	4,800	5,057	(e) 1,252	(e) 1,151
Netherlands—						
Tar (crude)	146,424	150,684	152,984	143,000	148,000	166,000
Norway—						
Tar (gas-works)	5,682	5,016	6,137	6,111	6,405	6,642
Portugal (gas-works)—						
Tar (crude)	2,484	(a)	(a)	(a)	(a)	(a)
Tar (refined)	2,938	(a)	(a)	(a)	(a)	(a)
Benzol	144	(a)	(a)	(a)	(a)	(a)
Phenol	176	(a)	(a)	(a)	(a)	(a)
Anthracene	747	(a)	(a)	(a)	(a)	(a)
Creosote	1,836	(a)	(a)	(a)	(a)	(a)
Pitch	873	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

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

(c) Gas-works only.

(d) Coke-ovens only.

(e) Solvent naphtha only.

PRODUCTION OF COAL BY-PRODUCTS (cont.)

Producing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Spain—						
Tar	49,536	52,166	57,658	61,615	50,454	(a)
Pitch	10,959	10,882	10,060	10,749	15,825	(a)
Benzol	4,212	10,664	11,339	12,166	13,857	(a)
Naphthalene	2,321	2,613	2,310	2,633	2,139	(a)
Ammonium sulphate	13,566	28,548	89,325	87,604	119,947	(a)
Creosote	5,443	5,163	5,295	6,236	1,654	(a)
Sweden—						
Tar (crude)	28,768	28,971	32,759	33,240	(a)	(a)
Other tar	30,758	31,670	23,774	25,433	(a)	(a)
Pitch	1,725	2,121	886	—	(a)	(a)
Benzol, toluol, etc.	3,847	3,537	4,115	4,108	(a)	(a)
Distillates, etc.	2,345	2,785	2,437	3,468	(a)	(a)
Switzerland—						
Tar (crude) (gas-works)	(a)	24,328	25,085	25,166	25,671	26,130
Algeria—						
Tar (gas-works)	5,511	5,669	6,137	5,704	5,525	4,997
Tunis—						
Tar (gas-works)	1,392	1,302	1,250	1,284	968	192
United States—						
Coke-ovens—						
Tar (crude)	3,161,832	3,398,766	3,008,075	3,541,576	3,059,147	3,644,969
Pitch	639,028	755,746	666,388	786,759	670,608	1,002,446
Sulphate equivalent of ammonia produced (b)	825,503	890,869	795,224	933,496	792,172	933,749
Benzol	514,888	576,164	517,048	591,976	464,793	580,734
do. motor	20,772	13,720	(e)	3,118	8,944	(e)
Naphthalene (crude)	44,522	58,534	47,725	50,418	44,669	82,242
Toluol and xylol	126,574	141,825	126,197	150,211	141,632	161,763
Solvent naphtha	19,240	19,347	15,003	20,145	14,688	17,665
Creosote	149,642	170,524	156,438	148,121	105,038	123,092
Phenol	3,544	3,556	3,429	4,311	3,902	5,959
Other light products	22,727	23,069	20,630	20,325	13,576	21,150
All sources (c)—						
Coal tar	3,201,547	3,411,261	3,011,987	3,562,034	3,080,735	3,644,970
Water gas and oil gas tar	1,022,457	572,692	377,274	287,564	192,479	262,521
Crude light oil (d)	897,033	979,443	856,447	1,013,637	821,963	1,024,930
Benzol, motor	38,177	13,720	(a)	3,118	8,944	—
do. other	586,743	777,197	767,377	909,147	856,033	1,001,847
Toluol	125,533	149,369	134,827	133,049	118,627	137,556
Xylol	31,163	36,755	33,245	34,601	34,186	38,761
Solvent naphtha	19,240	19,346	15,003	50,196	72,856	86,304
Other light oil derivatives	51,070	43,127	36,923	48,857	25,683	31,843
Naphthalene (crude)	128,800	158,813	143,967	140,982	134,925	213,022
Creosote oil	564,754	597,687	550,484	576,587	466,849	514,687
Coal tar (f)	40,577	37,645	46,564	35,769	30,996	35,616
Tar, refined (g)	2,013	206,697	117,594	156,620	141,034	148,397
Tar, road	644,538	612,598	477,321	469,368	344,188	398,620
Distillate products, others	143,635	161,059	164,036	73,290	90,556	106,869
Pitch of tar	1,333,000	1,562,000	1,463,000	1,682,000	1,462,000	1,841,000
Pitch of tar coke	57,000	40,000	32,000	34,000	21,000	29,000

(a) Information not available.

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

1950—755,103; 1951—802,020; 1952—716,440; 1953—844,762; 1954—734,659; 1955—876,184.

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

(d) Including some material produced from petroleum.

(e) Included with "Other light products".

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

(g) Used for paints, etc.

PRODUCTION OF COAL BY-PRODUCTS (cont.)

Producing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Mexico—						
Tar	4,329	2,805	3,715	7,450	5,516	5,879
Benzol	2,641	2,644	3,081	3,249	2,907	2,795
Creosote	3,362	5,679	5,770	7,058	6,840	6,099
Ammonium sulphate ..	2,628	3,086	3,191	3,559	3,579	3,675
Brazil (b)—						
Tar	(a)	(a)	(a)	29,813	42,514	45,774
Benzol	(a)	(a)	(a)	3,195	4,204	3,846
Toluol and xylol .. .	(a)	(a)	(a)	582	772	759
Solvent naphtha .. .	(a)	(a)	(a)	40	71	46
Naphthalene	(a)	(a)	(a)	1,185	1,651	1,832
Creosote oil	(a)	(a)	(a)	1,454	1,967	1,928
Ammonium sulphate ..	(a)	(a)	(a)	4,465	6,126	5,872
Pitch	(a)	(a)	(a)	3,450	1,605	1,908
Carbolic acid	(a)	(a)	(a)	307	293	(a)
Chile—						
Tar	16,378	17,561	17,397	17,788	16,394	(a)
Colombia—						
Tar	(a)	(a)	(a)	(a)	(a)	9,810
Benzol	(a)	(a)	(a)	(a)	(a)	1,718
Ammonium sulphate ..	(a)	(a)	(a)	(a)	(a)	1,295
Uruguay (gas-works)—						
Tar	2,020	1,979	2,141	2,078	2,493	1,970
Benzol	33	99	95	69	69	154
Tar oil	127	87	75	91	105	97
Pitch	422	253	239	242	255	237
Japan—						
Tar	288,955	390,513	378,561	426,276	421,433	499,985
Benzol (crude) .. .	58,757	81,610	74,453	88,720	87,811	96,291
do. (other) .. .	27,520	38,892	36,896	44,525	47,821	52,769
Toluol and xylol .. .	5,031	5,622	5,492	7,937	7,783	8,834
Solvent naphtha .. .	4,984	5,374	3,744	4,512	5,149	6,508
Creosote oil	69,032	82,484	94,484	130,010	132,478	138,702
Carbolic acid (crude) ..	3,260	4,701	4,559	4,736	5,232	5,941
Pitch	157,658	(a)	(a)	(a)	(a)	(a)
Naphthalene (crude) ..	14,362	18,708	22,369	27,129	27,589	28,605
do. (refined) .. .	7,228	11,173	11,303	12,436	16,145	16,310
Anthracene	2,622	3,212	3,118	4,027	4,547	4,712
Ammonium sulphate ..	49,368	68,087	77,170	88,779	87,705	99,468
Turkey—						
Coke-ovens—						
Tar (crude)	15,405	14,929	(a)	(a)	(a)	(a)
Benzol (crude) .. .	3,161	4,136	(a)	(a)	(a)	(a)
Ammonium sulphate ..	2,718	2,633	3,270	(a)	(a)	(a)
Naphthalene (refined)	340	159	(a)	(a)	(a)	(a)
Gas-works—						
Tar	3,148	3,249	3,743	(a)	(a)	(a)

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

(a) Information not available.

(b) Volta Redonda only.

EXPORTS OF COAL, COKE AND BY-PRODUCTS*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Anthracite—						
smalls and graded ..	823,628	622,884	773,423	809,829	973,168	1,021,590
large	410,923	296,822	309,543	269,591	261,486	267,193
other	32,944	171,489	149,029	191,094	300,723	399,021
Bituminous—						
smalls and graded ..	5,432,948	1,780,410	4,100,898	6,354,353	6,102,549	4,931,136
unscreened	2,076,200	1,239,079	1,874,759	1,673,388	1,218,698	1,101,316
large	4,279,327	2,288,274	3,456,920	3,556,436	3,423,303	2,711,336
other	494,662	1,407,611	1,086,278	1,117,233	1,435,695	1,800,958
Bunkers	4,020,158	3,722,969	3,296,202	2,834,964	2,500,137	2,128,499
Coke, gas	865,630	222,727	507,690	568,175	646,953	643,468
do. other	1,339,709	672,810	887,432	858,490	897,309	1,202,944
Manufactured fuel ..	384,898	427,607	546,660	257,991	247,726	264,231
Tar	141,138	74,127	87,276	83,900	151,936	166,609
Pitch	282,128	352,109	357,515	265,765	255,186	221,163
Creosote oil	129,802	122,685	139,313	146,092	114,228	95,565
Other heavy coal-tar oils	3,201	6,473	4,106	3,331	5,610	5,047
Naphthalene	4,780	1,991	9,316	7,166	8,334	12,934
Carbolic acid	965	233	1,320	8,061	4,019	2,833
Cresylic acid	15,807	17,041	7,794	11,337	8,743	13,635
Benzol	44,564	163,639	121,793	37,639	16,341	1,094
Gibraltar—						
Coal (bunkers) (b) ..	200,000	170,000	70,000	41,000	31,000	35,450
Malta—						
Coal (bunkers on merchant ships) (b) ..	1,853	1,445	1,033	762	91	295
Kenya—						
Coal (bunkers) (b) ..	18,076	2,949	1,305	—	—	—
Mauritius—						
Coal (bunkers) (b) ..	5,342	4,852	4,786	3,193	2,508	746
Nigeria—						
Coal	1,480	89,872	1,132	4,338	25,595	99,976
do. * (bunkers) ..	1,238	8,733	340	733		
Sierra Leone—						
Coal (bunkers) (b) ..	18,491	15	—	—	—	4
Southern Rhodesia—						
Coal	784,478	877,776	956,091	872,657	(e) 34,448	(e) 39,787
Coke	53,996	58,736	69,024	79,179	(e) 46,439	(e) 28,451
Union of South Africa—						
Coal	2,527,299	1,688,834	831,733	1,183,483	931,491	652,079
do. (bunkers) ..	372,504	239,628	154,329	79,548	65,856	33,093
Coke	42,401	41,410	42,712	13,344	5,077	579
Tar and pitch ..	2,766	2,856	2,995	355	1,070	(a)
Canada—						
Coal	340,071	374,983	335,046	216,054	183,808	517,238
do. (bunkers) (c) ..	85,871	93,053	71,546	58,613	51,758	(a)
do. do. (d) ..	261,720	246,771	292,872	325,326	230,297	374,285
Lignite	12,573	13,484	12,239	11,870	12,037	12,031
Coke	308,071	144,377	270,503	145,206	96,929	99,573
Tar and pitch ..	14	3,185	3,390	4,644	4,468	1
Creosote oil	41	32	8,397	—	—	2,043
Other coal tar oils ..	14,940	11,252	13,534	12,726	6,299	5,840

*For Ammonium sulphate, etc. see Nitrogen Compounds, pages 214-215.

(a) Information not available.

(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) Federation of Rhodesia and Nyasaland.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
Bermuda—						
Coal (bunkers) (c) ..	900	(a)	(a)	800	(a)	(a)
Jamaica—						
Coal (bunkers) (b) ..	14,973	20,819	5,407	7,827	(a)	(a)
Trinidad and Tobago—						
Coal (bunkers) (c) ..	18,482	16,769	18,736	10,406	2,506	409
Aden—						
Coal (bunkers) (c) ..	130,794	88,516	55,528	35,219	16,347	17,756
India—						
Coal (by sea)	910,645	1,878,834	2,488,294	1,271,399	1,255,224	723,637
do. (by land) (e) ..	(a)	407,316	586,949	736,425	758,997	744,908
do. (bunkers—						
domestic produce)	231,257	291,685	286,329	163,671	154,494	133,947
do. (bunkers—						
foreign produce) ..	—	—	515	450	—	2,534
Coke (by sea)	7,699	22,937	59,030	10,364	14,618	20,321
do. (by land) (e) ..	(a)	250	10,100	17,834	19,065	54
Malaya (including						
re-exports)—						
Coal	1	1,209	357	259	377	8
do. (bunkers) (c) ..	44,286	37,297	32,593	14,549	13,657	8,871
Coke	273	658	316	185	436	222
Tar	254	1,222	270	167	94	77
Ceylon—						
Coal (bunkers) (c) ..	80,644	68,803	32,859	21,985	18,847	13,420
Cyprus—						
Coal (bunkers) (c) ..	225	329	295	1	130	403
Hong Kong (re-exports)—						
Coal	53,107	10,974	4,468	8,365	5,397	2,067
Coke	398	431	74	119	49	—
Australia (d)—						
Coal (f)	68,404	72,283	139,140	247,042	385,812	281,456
do. (bunkers)	135,059	69,299	54,207	42,623	31,718	25,363
Coke (f)	2,791	1,722	1,396	17,069	28,223	21,885
Carbolic acid	652	403	651	44	36	—
Other coal tar oils (f)	2,539	2,202	3,878	2,348	1,877	1,463
New Zealand—						
Coal	2,983	3,176	8,730	16	5	3
do. (bunkers)	2,083	2,889	5,975	1,649	866	646
Coke	1,134	292	344	21	60	54
Tar	138	59	6	3	2	—
Irish Republic—						
Coal (bunkers) (c) ..	1,042	399	164	238	217	606
Coal and coke	(a)	(a)	(a)	13,219	10,647	2,695
Creosote, etc.	450	1,976	1,142	142	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Bituminous	—	11	650	—	9	10
Brown coal	1,084	2,207	64	4,924	18,239	45,841
Coke	15,944	168	—	—	19	11
Tar	8,302	2,250	7,558	2,236	—	1,051
Naphthalene	1,318	1,756	657	1,997	3,329	4,213
Carbolic acid	(a)	(a)	1,432	1,630	263	907

(a) Information not available.

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

(c) Foreign coal (see imports).

(d) Years ended June 30 of that stated.

(e) Years ended March 31 following that stated.

(f) Revised.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Austria (cont.)—						
Light tar oils	—	—	3,942	—	79	1,820
Heavy tar oils	—	—	189	—	920	274
Pitch	—	—	5,252	4,223	35	9,608
Belgium-Luxemburg						
E.U.—						
Coal	2,727,791	1,861,427	2,390,310	3,959,456	5,364,846	7,098,717
do. (bunkers) (b) ..	32,446	64,892	27,530	14,748	21,938	24,405
Coke	334,631	348,915	840,964	724,582	789,788	667,016
Briquettes	15,126	273,945	290,201	266,886	318,669	440,572
Brown coal briquettes	—	—	20	40	48	524
Tar	5,064	1,592	332	826	1,432	4,509
Pitch	21,183	2,488	18,740	47,139	27,027	4,627
Naphthalene	9,109	9,870	11,440	11,564	11,630	13,864
Carbolic acid and cresol	713	652	4,859	433	551	785
Distillates	20,176	27,314	26,016	10,146	12,453	3,780
Denmark—						
Brown coal briquettes ..	—	—	—	1,152	2,714	14,699
Tar and pitch	6,486	5,691	11,785	22,696	17,785	21,932
France—						
Anthracite	16,554	17,211	3,790	1,726	1,408	21,536
Bituminous	6,167,968	5,816,503	5,491,531	7,014,838	7,352,514	12,275,078
Brown coal	253	2,526	1,277	1,284	2,342	11,352
Coke	277,346	254,439	151,621	236,926	292,217	403,682
Briquettes	47,265	70,833	54,981	30,236	20,977	38,899
Brown coal briquettes	2,289	5,268	1,236	322	448	1,524
Coal, coke and						
briquettes—						
Bunkers (domestic						
produce)	24,314	53,385	18,047	15,808	20,565	34,771
do. (foreign produce)	258,088	184,083	137,635	78,448	51,246	33,998
Tar and pitch	3,901	33,159	4,903	2,521	3,181	8,509
Benzol, etc.	1,542	10,055	18,559	15,566	718	811
Naphthalene	10,101	8,264	10,545	9,650	10,787	8,910
Carbolic acid	358	272	129	361	90	166
Carbolineum	491	420	420	354	365	(a)
Anthracene	206	258	203	390	259	416
Coal tar oils	931	15,208	22,674	12,825	17,268	6,534
Germany (Federal)—						
Coal	15,144,844	12,856,466	11,877,025	13,391,354	16,030,480	12,201,196
do. (bunkers) (b) ..	346,182	351,720	359,454	189,965	200,790	208,173
Brown coal	(a)	—	—	669	77,722	18,283
Coke	8,018,510	9,734,545	10,474,924	8,959,411	9,530,177	11,088,838
Coal briquettes	244,842	241,086	262,915	363,053	502,986	568,304
Brown-coal briquettes ..	1,565,681	1,573,720	1,465,537	1,518,457	1,585,502	1,626,694
Tar and pitch	107,453	132,076	164,052	129,570	145,707	82,235
Naphthalene	30,302	15,881	20,774	26,688	22,234	19,992
Carbolic acid	1,599	178	(e) 2,391	2,068	2,564	3,769
Cresol	2,831	(c) 1,249	(e) 643	1,838	3,301	2,505
Light coal-tar oils, etc.	1,092	14,394	2,405	15,769	9,582	19,756
Heavy coal-tar oils, etc.	86,630	75,675	106,219	114,612	36,717	34,268
Italy—						
Coal (incl. bunkers) ..	3,167	2,495	3,799	2,624	3,124	5,018
Coke	58,983	14,839	222,635	101,104	51,735	71,061
Tar and tar oils	821	198	4	762	11,075	7,206
Pitch	(d) 8,384	20,394	21,714	17,922	15,410	35,424
Naphthalene	2	102	3	149	24	140

(a) Information not available.

(b) Bunkers for foreign ships only.

(c) January to September only.

(d) July to December only.

(e) April to December only.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Coal	22,550	11,607	16,053	291,107	1,034,588	902,125
do. (bunkers) (b) ..	371,147	342,807	261,980	195,136	170,829	238,388
Brown coal	266	23,074	11,306	1,681	1,496	10,892
Coke	1,093,039	1,177,088	1,376,333	1,260,529	1,514,049	1,901,942
Briquettes	317	355	241	17,981	107,041	180,151
Brown coal briquettes..	9,894	10,989	25,830	59,217	45,253	33,635
Tar	1,685	1,039	467	305	1,614	3,242
Pitch	13,491	12,300	3,745	7,019	8,761	18,131
Creosote	29,423	26,865	36,881	31,875	25,673	31,131
Naphthalene	7,865	8,515	5,201	11,170	8,998	12,228
Anthracene	1,799	3,871	3,386	3,296	2,920	3,588
Carbolic acid etc. ..	1,549	1,947	1,537	2,638	1,570	1,386
Benzol	13,813	12,981	14,664	21,097	21,347	18,973
Toluol and xylof ..	727	22	1,690	124	62	318
Solvent naphtha ..	101	195	380	336	383	688
Norway—						
Tar	—	1,279	1,441	781	3,022	1,757
Pitch	191	268	356	615	253	94
Portugal—						
Coal	152	589	476	302	2,046	6,411
do. (bunkers) (c) ..	8,266	6,784	2,835	1,966	760	2,131
Tar and pitch	76	150	172	101	60	90
Spain—						
Anthracite	21,234	14,763	20,237	7,107	3	(a)
Bituminous (incl. bunkers) ..	40,449	96,766	88,680	46,401	44,259	(a)
Other coal	858	37	18	6,471	7,026	(a)
Coke	1,206	381	484	1,123	329	(a)
Briquettes	59	695	261	1,016	200	(a)
Carbolic acid, naphthalene, etc. ..	62	72	82	1	31	(a)
Tar and pitch	119	28	11	1	—	(a)
Spitzbergen—						
Coal (including bunkers)	505,544	707,877	702,654	656,182	605,713	622,000
Sweden—						
Coal	30	43	47	57	3,652	993
Coke	26,469	1,373	452	30,315	52,709	28,355
Tar, pitch, etc. . .	18,301	9,512	9,921	6,356	5,789	13,038
Benzol	2,595	979	372	803	1,078	511
Carbolic acid, etc. ..	—	1	6	56	10	1
Toluol and xylof ..	4,958	1,609	1,705	1,093	699	373
Other benzol oils ..	219	12	27	936	254	1,090
Switzerland—						
Coal	322	217	1	2,783	562	13,007
Coke	25	—	788	2,230	6,225	7,619
Briquettes	546	573	1,107	219	202	10,981
Tar and pitch	2,561	2,391	2,176	4,517	1,302	410
Creosote, etc.	55	801	—	679	92	22
Naphthalene, etc. ..	3,016	2,978	733	1,421	2,486	2,122
Yugoslavia—						
Bituminous	104,077	60,429	60,169	90,823	87,303	38,920
Brown coal	26,204	186,582	93,237	49,034	64,712	78,484
Lignite	—	1,823	509	3,778	33,227	—
Briquettes	(a)	(a)	(a)	(a)	1,477	374
Pitch	(a)	(a)	(a)	(a)	147	113
Tar	—	147	311	6,938	8,474	6,604

(a) Information not available.
 (b) Including imported coal.

(c) Bunkers for foreign ships.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Algeria—						
Coal	44,407	78,077	73,318	89,756	55,059	35,430
do. (bunkers) ..	176	1,181	214	86	14	139
do. do. (b) ..	(a)	114,518	64,218	37,896	—	25,544
Coke	10	74	64	285	12	—
Briquettes	—	9	—	—	—	—
do. (bunkers) ..	21	307	75	24	38	69
Tar	—	159	407	346	242	255
Canary Islands—						
Coal	41	—	15	81	84	(a)
do. (bunkers) (b) ..	61,831	49,497	30,378	11,927	1,825	(a)
Cape Verde Islands—						
Coal (bunkers) (b) ..	(a)	25,194	10,076	4,205	3,272	2,383
Ceuta—						
Coal	3,314	2,328	2,813	2,190	5,842	(a)
do. (bunkers) (b) ..	147,240	80,505	60,279	43,497	32,411	(a)
Egypt—						
Coal (bunkers for foreign ships) (b) ..	37,332	28,837	7,596	2,355	(a)	(a)
Coke	—	99	—	1	—	—
Tar and Pitch	—	2	108	—	(a)	(a)
Madagascar—						
Coal (bunkers) ..	3,083	88	—	—	719	(a)
Morocco (French)—						
Anthracite	144,512	234,369	195,963	171,991	199,149	258,183
Other coal	—	(a)	—	900	1,213	(a)
Briquettes	2,590	(a)	18,932	2,371	2,858	(a)
Mozambique—						
Coal (incl. bunkers) ..	5,834	24,707	27,565	63,217	45,183	23,382
Mexico—						
Coal and coke	173	130	211	1	2	1
Tar	4,181	1,571	440	—	11	23
Creosote	224	—	(a)	—	—	—
United States—						
Anthracite	3,474,615	5,320,692	4,100,054	2,432,404	2,545,749	2,814,565
Bituminous	22,739,646	50,648,353	42,532,919	30,143,092	27,703,490	45,747,448
do. (bunkers)	640,614	810,954	645,868	540,196	381,300	411,600
Coke	355,220	916,723	707,259	464,511	343,194	473,665
Briquettes	156,936	150,696	118,559	91,888	88,311	94,905
Tar and pitch	49,646	76,867	70,182	58,281	38,474	39,796
Benzol	4,307	1,121	666	4,130	19,533	8,193
Creosote	1,593	1,590	3,702	2,405	3,300	2,165
Toluol	—	—	—	11,844	68,248	37,518
Carbolic acid	6,272	9,418	9,951	6,768	20,178	16,385
Chile—						
Coal (including bunkers)	80,521	50,152	69	20	18,000	(c) 32,000
Peru—						
Coal	56,587	40,646	40,675	35,126	18,439	103
do. (bunkers)	43	—	—	—	—	197
Venezuela—						
Coal	2,225	1,919	246	474	1,053	(a)
Formosa—						
Coal (including bunkers)	63,683	18,399	12,703	207,198	100,630	46,473
Indo-China—						
Coal (including bunkers)	57,596	212,249	209,612	301,648	454,071	(a)
Indonesia—						
Coal (including bunkers)	61,196	114,531	106,493	133,678	85,534	46,755

(a) Information not available.

(b) Foreign coal (see imports).

(c) January to November only.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Japan—						
Coal	499,666	15,587	463,439	477,531	315,677	373,325
do. (bunkers) ..	(a)	(a)	293,827	161,912	100,134	128,966
Coke	59	1,657	1,449	713	1,293	37,282
Benzol	—	64	6,666	173	608	18
Naphthalene ..	26	1,009	1,278	695	1,643	365
Tar and pitch ..	16,437	2,449	20,839	9,050	5,020	3,105
Korea (South)—						
Coal	—	—	4,641	51,448	5	32,827
Turkey—						
Coal	335	25,207	130,742	7,177	—	—

(a) Information not available.

IMPORTS OF COAL, COKE AND BY-PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Coal	4,834	1,225,544	319,552	550,715	2,949,350	11,320,301
Coke	1	4	19,223	—	8	608
Manufactured fuel	2	2	135	310	1	34
Tar and pitch	3,033	2,016	2,021	3,164	3,813	4,462
Benzol	—	—	—	—	918	3,302
Cresylic acid	—	14	168	2	812	1,269
Naphthalene	—	16	4	1,258	6,109	66
Carbolic acid	1,506	2,223	2,722	56	725	5
Channel Islands—						
Anthracite	102,240	123,706	91,672	113,294	109,609	101,724
Bituminous	131,523	124,959	144,125	155,519	172,146	192,647
Coke	27,577	24,548	21,306	14,938	21,535	13,799
Creosote	18	18	21	20	22	23
Gibraltar—						
Coal and coke (b)	208,120	179,500	78,505	48,274	33,711	39,772
Malta—						
Coal (c)	20,501	17,613	12,085	11,264	23,079	17,584
Coke	46	311	568	—	317	218
Anglo-Egyptian Sudan—						
Coal	53,353	59,174	45,552	66,764	27,860	46,554
Coke	888	410	2,125	490	(a)	(a)
Tar	48	7	35	19	(a)	(a)
Tar oils	515	368	928	620	(a)	(a)
Gambia—						
Coal, coke and patent fuel	5	173	—	5	105	2
Tar and pitch	9	9	4	5	47	2
Gold Coast—						
Coal	61,892	160,675	147,060	97,219	} 106,951	121,261
Coke	298	696	648	332		
Patent fuel	—	—	—	180		
Tar and pitch	3,880	1,805	2,845	2,078	(f) 1,207	(f) 2,368
Kenya—						
Coal (c)	41,640	19,001	26,225	12,181	19,575	24,629
Coke	1,523	1,440	2,079	1,581	3,995	571
Tar	9	31	41	—	10	26
Tar oils	37	44	26	40	202	560
Mauritius—						
Coal (c)	48,261	24,232	26,659	27,557	26,497	8,846
Coke	289	628	362	129	286	295
Tar	6	36	502	174	12	23
Nigeria—						
Coal	60,495	3	26,356	26,041	} (d) 1,203	(d) 263
Coke	1,197	840	364	1,165		
Patent fuel	1	1	2	1		
Tar and pitch	859	1,737	2,160	1,655	(f) 550	(f) 699
Northern Rhodesia—						
Coal	637,988	696,181	756,379	795,439	} (e)	(e)
Coke	6,025	7,692	12,839	14,396		
Tar and creosote oil	53	56	42	58		
Tar and pitch	253	468	737	491		

*For ammonium sulphate, etc., see Nitrogen Compounds, pages 216-222.

(a) Information not available.

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

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

(d) Excess of re-exports.

(e) See Southern Rhodesia.

(f) Tar only.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Nyasaland—						
Coal	24,010	23,132	30,860	36,362	} (b)	(b)
Coke	144	152	400	250		
Tar and pitch	1,667	784	1,009	2,961		
St. Helena—						
Coal	214	61	20	60	43	44
Sierra Leone—						
Coal (d)	39,722	10,000	—	—	} 15,900	30,286
Coke	5	—	4	4		
Briquettes	3,998	4,200	40,562	32,690		
Tar and pitch	286	4,954	666	425	(f) 128	(f) 231
Southern Rhodesia—						
Coal	3,582	6,902	6,347	8,262	(c) 134,845	(c) 70,993
Coke	—	—	440	563	(c) 571	(c) —
Tar and pitch	1,233	2,113	1,564	(f) 35	(c) 68	(c) 62
South West Africa—						
Coal	25,896	26,311	41,269	68,233	66,457	(a)
Coke	53	13	54	42	31	(a)
Tanganyika—						
Coal	56,605	50,917	71,662	56,842	51,611	5,129
Coke	207	986	12	445	994	124
Tar	37	42	31	34	13	25
Tar oils	1	11	31	5	128	51
Uganda—						
Coal	25	11	16	8	88	26
Coke	132	198	132	143	62	260
Tar	8	6	14	52	72	413
Tar oils	9	10	6	18	106	672
Union of South Africa—						
Coal	37,557	48,148	82,815	28,356	1,508	(a)
Coke	55	—	2	9	9	(a)
Naphthalene	49	24	21	52	33	(a)
Tar and creosote ..	2,155	2,358	3,852	1,713	1,915	(a)
Zanzibar—						
Coal	6,866	100	5,552	5,308	1,950	2,001
Canada—						
Anthracite	3,822,422	3,439,390	3,476,922	2,667,778	2,456,118	2,348,655
do. dust	4,705	1,173	634	1,021	3,598	14,294
Bituminous	19,970,159	20,233,343	18,483,427	17,775,246	13,895,438	14,888,103
do. (e)	261,720	246,771	292,872	325,326	230,297	374,285
Brown coal	6,671	8,165	6,685	2,734	2,521	1,382
Briquettes	170,655	151,926	138,926	114,887	114,431	110,907
Coke	301,715	538,521	480,632	324,669	228,669	315,308
Cresylic acid	206	915	224	263	170	278
Benzol	4,110	2,224	134	2,434	7,787	7,267
Tar	30,101	37,084	22,024	28,828	4,421	9,310
Pitch	15,732	36,672	29,626	39,287	47,798	66,780
Naphthalene	758	489	814	844	909	1,434
Carbolic acid, etc. ..	23,227	20,420	17,876	29,484	27,330	19,837
British Guiana—						
Coal	291	3,281	1,894	1,898	2,584	1,273
Coke	126	309	141	—	76	86
Patent fuel	3,050	2,007	3,000	1,014	27	78
Tar and pitch	344	309	281	244	496	900
British West Indies—						
Bahamas—						
Coal	16	3	10	2	1	4
Barbados—						
Coal, coke, and patent fuel	2,009	2,093	1,105	878	1,131	1,255

(a) Information not available.

(b) See Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

(d) Includes coal imported for bunkering purposes.

(See exports.)

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

(f) Tar only.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies						
<i>(cont.)—</i>						
Bermuda—						
Bituminous (c) ..	1,389	1,081	2,480	1,588	648	838
Coke	40	(a)	(a)	(a)	(a)	(a)
Grenada—						
Coal	3	—	—	—	1	(a)
Coke	—	5	10	7	3	(a)
Jamaica—						
Coal (b)	14,976	24,237	9,657	16,166	8,044	16,661
Coke	706	583	353	377	667	762
Tar and pitch ..	20	18	48	136	30	72
Leeward Islands—						
Coal, coke and patent fuel	(d) 13	5,747	1,397	1,570	8	1,404
St. Lucia—						
Coal	57	38	25	52	42	1
Tar	7	4	5	8	4	5
St. Vincent—						
Coal	16	11	13	11	4	4
Trinidad and Tobago—						
Coal (b)	26,007	9,583	13,924	13,767	1,080	1,841
Coke	39	227	236	68	227	199
Patent fuel	6	—	(e) 1	82	(e) 18	(e) 8
Tar and pitch ..	84	(a)	(a)	(a)	(a)	(a)
British Honduras—						
Coal and coke ..	13	18	22	19	22	60
Tar and pitch ..	13	31	6	2	(a)	(a)
Falkland Islands—						
Coal	1,796	2,793	779	521	917	421
Coke	26	83	—	91	116	42
Aden—						
Coal (b)	109,061	115,186	67,677	40,375	21,649	28,290
Coke	—	220	56	2,607	56	—
Naphthalene ..	297	309	413	145	157	—
India (total imports)—						
Coal	1,425	13	423	31	1	160
Coke	—	—	—	—	2,000	2,000
Tar and pitch ..	386	712	149	338	431	314
Naphthalene ..	15	19	19	—	2	—
Carbolic acid ..	46	19	130	242	280	384
Malaya (total imports)—						
Anthracite	} 93,627	} 152,475	} 176,882	} 9,319	} 15,793	} 25,594
Bituminous (b) ..						
Coke						
Tar and pitch ..						
Ceylon—						
Coal (c)	367,792	237,639	370,552	383,139	284,390	184,287
Coke	654	918	723	934	1,099	4,857
Tar and pitch ..	46	94	55	152	108	(f) 53
Cyprus—						
Coal (c)	1,492	647	3,235	1,641	1,788	501
Coke	} 413	} 645	} 435	} 454	} 445	} 779
Briquettes						
Tar and pitch ..						
Naphthalene ..	41	9	25	(a)	(a)	(a)

(a) Information not available.

(d) Incomplete.

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

(e) Excess of re-exports.

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

(f) Tar only.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (total imports)—						
Coal	317,124	277,623	305,594	206,883	204,619	246,280
Coke	2,753	3,664	2,608	2,558	1,638	3,860
Pakistan—						
Coal and coke	1,009,000	1,366,000	1,667,000	1,192,000	1,101,000	(b)1,020,000
Tar and pitch (b)	(a)	307	657	2,356	2,190	729
Naphthalene (b)	(a)	17	798	122	87	57
Australia (e) (g)—						
Coal	493,805	597,866	285,409	136,844	2,051	(c) 4,776
Coke	21,269	37,655	6,508	685	10,981	5,900
Naphthalene	2	50	74	6	17	813
Toluol	33	—	12	70	204	3,231
Cresylic acid	102	90	193	12	239	526
Carbolic acid	—	1	1	—	14	50
Tar oils	164	56	147	56	36	166
Tar and pitch	36	85	19	1,363	1,495	114
Fiji—						
Coal	9,750	18,659	22,889	18,291	21,240	17,629
Coke	381	355	540	300	415	227
Tar and bitumen	1,447	292	1,343	843	470	531
New Guinea (e)—						
Coal and coke	336	1,866	425	174	967	(£2,236)
New Zealand—						
Coal	45,186	27,563	1,345	101	77	7,129
Coke	2,750	1,431	3,821	781	194	254
Tar	229	398	547	428	3,999	4,045
Pitch	794	86	1,595	539	713	1,158
Naphtha benzol, toluol, etc.	214	110	246	235	315	1,165
Naphthalene	8	9	103	186	47	28
Creosote	1,479	1,580	1,786	1,024	1,907	2,433
Carbolic acid	8	34	(c) 18	3	22	15
North Borneo—						
Coal and coke	21	87	121	28	93	79
Papua (e)—						
Coal and coke	(£41,893)	218	529	161	175	(a)
Solomon Islands—						
Coal	1	516	(a)	(a)	(a)	(a)
Sarawak—						
Coal and coke	11	11	16	4	9	15
Tar	132	114	754	114	65	96
Western Samoa—						
Coal and coke	11	23	9	19	7	9
Irish Republic—						
Anthracite	42,910	48,479	65,126	39,036	50,230	70,535
Bituminous (d)	1,785,759	1,988,273	1,631,785	1,599,507	1,658,059	1,730,787
Coke	40,455	24,897	19,020	15,128	17,354	26,296
Patent fuel	93,365	106,580	95,946	84,886	76,128	80,832
Tar	(f) 5,934	10,864	13,561	11,664	14,492	12,511
Creosote, etc.	5,267	4,368	4,481	6,652	7,109	7,479
Tar and bitumen mixture	21,327	26,421	18,613	49,855	57,301	55,576
Benzol	40	27	19	(a)	(a)	(a)

(a) Information not available.

(b) Trade by sea for years ended March 31 following that stated.

(c) Excess of re-exports.

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

(e) Years ended June 30 of that stated.

(f) Including pitch.

(g) Revised.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
Austria—						
Coal	4,215,494	4,110,296	3,699,899	3,376,640	3,807,761	4,039,900
Brown coal	438,968	537,548	356,956	208,489	193,089	188,629
Coke	252,588	290,082	250,828	274,926	343,138	412,754
Briquettes	558,109	799,435	646,110	578,740	516,477	554,497
Light coal-tar oils	778	1,299	73	80	1,760	856
Heavy coal-tar oils	3,275	1,531	235	2,599	3,788	629
Carbolic acid	787	546	604	688	1,024	1,302
Naphthalene	(a)	(a)	92	282	1,087	1,173
Tar, pitch, etc.	6,113	10,945	4,357	5,828	3,267	3,239
Belgium-Luxemburg						
E.U.—						
Coal	886,162	2,340,353	1,973,699	2,393,722	3,938,049	3,809,594
do. coke	2,410,940	3,048,096	3,168,959	2,977,215	3,068,752	3,597,422
do. briquettes	2,151	5,509	2,083	9,295	34,525	45,028
Brown coal	67	1,171	136	1,914	1,461	392
do. do. coke	5,170	7,362	86	132	117	130
do. do. briquettes	189,091	242,938	216,334	207,797	228,175	243,552
Tar	11,024	34,174	10,937	20,341	14,961	12,065
Naphthalene	8,365	4,144	4,553	6,303	6,223	7,663
Distillates	446	330	407	922	3,206	8,594
Pitch	20,000	80,226	90,539	51,721	68,996	46,115
Denmark—						
Coal	3,941,613	4,478,486	4,025,661	4,148,703	4,311,339	5,015,661
Brown coal	—	15	—	20	3	—
Coke	1,489,984	1,037,681	1,594,416	1,610,507	1,782,178	1,986,741
Briquettes	37,460	20,896	83,514	14,369	18,625	25,038
Brown coal briquettes	256,164	104,503	221,576	113,828	190,488	231,534
Tar	15	10	43	32	601	—
Pitch	142	264	167	262	192	139
Naphthalene	—	425	626	455	829	854
Cresol	276	380	285	355	956	1,020
Carbolineum	26	5	4	5	4	2
Benzol	1,096	977	896	1,237	1,375	1,362
Toluol	1,374	1,090	954	1,561	1,845	2,038
Carbolic acid	85	368	135	103	323	433
Faroe Islands—						
Coal	13,172	9,379	5,914	6,920	7,175	7,136
Finland—						
Anthracite	1,906	46,378	12,849	120,567	95,320	132,111
Other coal	1,435,277	1,959,906	2,206,097	1,675,007	1,670,143	2,043,644
Coke	461,645	339,783	341,362	198,031	472,157	424,343
Tar	1,284	1,084	4,095	3,140	501	51,009
Carbolic acid, creosote and cresol	2,844	4,158	3,684	2,688	6,145	8,045
Naphthalene	140	51	44	55	38	32
Benzol	391	192	87	1	2	2
Carbolineum	455	464	206	168	87	—
France—						
Anthracite	559,958	1,347,206	1,257,824	722,202	1,573,722	1,691,432
Bituminous	6,814,248	8,478,873	9,006,031	6,279,061	6,307,846	6,287,565
Lignite	—	302	226	—	—	377
Coke	2,604,172	3,502,508	4,229,711	3,504,521	3,127,826	4,625,563
Coal briquettes	246	108,158	140,744	282,902	435,120	456,207
Brown-coal briquettes	378,057	448,153	390,834	496,835	465,324	576,813
Tar and pitch	464,243	381,885	466,023	453,679	463,272	395,913
Naphthalene	—	68	—	1,524	1,633	1,983
Carbolic acid	40	2	354	33	33	2
Cresol	545	248	324	158	105	65
Anthracene	321	176	328	707	2,433	2,062
Benzol, etc.	96	2,507	8,396	3,432	23,547	15,845
Heavy coal-tar oils	10,494	1,187	95	388	705	2,009

(a) Information not available.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Coal	4,002,434	9,498,417	11,605,594	9,310,007	8,222,897	15,640,814
Brown coal	1,005,889	486,472	586,230	585,233	686,201	890,165
Coke	235,000	200,992	430,798	317,848	361,543	523,523
Coal briquettes	95	—	—	—	32,145	106,697
Brown-coal briquettes	5,348	2,676	19,438	48,579	34,943	26,115
Tar and pitch	16,225	11,750	17,352	30,818	19,865	56,815
Naphthalene	2,779	5,905	484	867	5,320	3,805
Carbolic acid	1,245	2,285	(f) 2,528	7,285	12,310	10,033
Cresol	651	(b) 258	(f) 309	882	1,675	4,033
Light coal-tar oils, etc.	29,956	10,435	29,783	37,708	130,565	87,673
Heavy coal-tar oils, etc.	273	5,745	2,690	522	2,761	7,553
Greece—						
Coal	279,624	376,040	273,160	264,460	233,502	301,728
Coke	17,436	12,817	14,067	13,640	16,035	16,100
Naphthalene	581	835	511	1,036	1,122	105
Pitch	845	(a)	(a)	(a)	(a)	(a)
Benzol	77	66	114	135	140	(a)
Tar	845	374	367	315	308	(a)
Iceland—						
Coal	93,362	67,327	59,127	47,450	42,783	60,364
Coke	892	708	1,908	1,062	1,307	2,034
Tar	64	97	105	42	71	76
Italy—						
Anthracite	305,036	465,493	590,618	594,523	669,225	1,049,636
Bituminous	7,773,243	9,886,991	8,522,315	8,352,197	8,096,861	8,905,049
Lignite	91,927	60,786	49,142	74,098	60,733	31,446
Coke	7,120	44,116	41,260	35,554	48,632	56,663
Briquettes	(d) 16,362	92,356	60,604	104,069	168,559	179,506
Tar and tar oils	4,514	400	1,165	3,891	89	1,167
Benzol	1,383	10,369	5,804	7,570	13,632	13,138
Toluol and xylol	7,854	6,401	6,822	5,378	11,906	8,974
Naphthalene	2,801	5,211	7,115	6,453	12,944	17,982
Netherlands—						
Coal (c)	4,367,030	4,991,478	5,402,839	5,231,061	7,066,395	7,709,628
Brown coal	—	—	—	414	76,495	13,086
Coke	161,553	181,864	189,916	305,153	354,193	428,530
Briquettes	128,868	219,839	287,959	256,238	284,258	482,509
Brown-coal briquettes	218,868	236,349	228,387	230,756	283,952	306,163
Tar	12,179	8,162	6,048	19,493	13,132	20,322
Pitch	20,508	6,613	7,441	343	5,591	9,883
Creosote	3,990	2,206	5,774	5,416	3,630	2,641
Naphthalene	1,968	1,056	1,904	5,687	5,172	3,311
Carbolic acid etc.	905	1,640	1,832	4,106	5,921	6,790
Benzol	2,524	97	108	1,821	5,186	171
Toluol and xylol	1,211	398	17	659	3,098	1,836
Carbolineum	411	404	204	262	1,202	1,131
Solvent naphtha	225	443	289	548	689	480
Norway—						
Coal	1,280,793	1,798,884	1,031,877	(e) 754,861	(e) 608,264	(e) 681,439
Coke	388,125	190,480	280,097	298,358	299,766	456,902
Briquettes	(a)	(a)	(a)	12,166	5,741	9,195
Tar and pitch, etc.	9,173	10,466	12,368	13,053	13,439	10,239
Benzol	100	101	72	102	89	75
Toluol and xylol	1,468	2,099	1,881	1,692	3,606	3,361
Pitch coke	14,166	1,194	2	306	246	295
Creosote, etc.	7,733	10,347	9,736	8,535	10,632	9,276

(a) Information not available.

(b) January to September only.

(c) Of which the amounts imported for bunkering purposes were (long tons): 1950, 78,990; 1951, 62,051; 1952, 33,684; 1953, 179,798; 1954, 163,033; 1955, 226,039.

(d) July to December only.

(e) Excluding coal imported from Spitzbergen.

(f) April to December only.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal—						
Anthracite	26,295	21,873	14,774	16,772	8,677	15,908
Other coal	743,197	563,492	420,127	526,883	429,454	461,305
Coke	23,766	37,004	21,889	22,304	20,020	20,306
Briquettes	11,100	9,717	79	5,262	3,328	6,315
Tar and pitch	7,599	9,746	3,663	5,813	6,576	7,330
Carbolic acid	6	2	42	16	32	40
Creosote	(a)	539	1,253	1,661	881	109
Carbolineum	(a)	610	174	254	7	7
Naphthalene	173	76	110	132	94	98
Spain—						
Anthracite	—	—	276	70	8	(a)
Bituminous	571,667	325,133	712,920	769,337	693,065	(a)
Coke	143,203	82,427	131,577	215,849	124,497	(a)
Briquettes	—	13,937	50,140	11,758	17,604	(a)
Tar and pitch	39,208	69,751	54,526	65,026	59,053	(a)
Benzol, toluol, xylol, etc.	865	1,338	2,993	762	549	(a)
Sweden—						
Anthracite	48,045	71,934	29,235	44,855	39,018	46,241
Other coal	4,705,734	5,166,522	4,736,801	3,550,030	2,936,548	3,093,000
Coke	2,272,868	2,481,633	2,580,928	1,982,273	1,874,785	2,473,310
Briquettes	23,617	595,978	541,422	171,672	157,404	162,475
Tar, pitch, etc.	2,998	8,624	12,557	5,934	8,853	11,667
Benzol	1,050	230	1,571	1	—	21
Toluol and xylol	7,351	9,717	7,089	9,601	12,223	8,001
Other benzol oils	415	327	267	364	319	757
Carbolic acid, etc.	2,228	1,202	2,017	2,407	3,480	3,347
Naphthalene	2,169	1,602	3,779	2,565	3,157	3,507
Switzerland—						
Coal	1,760,585	2,342,328	1,867,741	1,420,311	1,799,584	1,802,640
Lignite	805	5,204	770	438	901	562
Coke	576,340	558,599	635,620	592,420	651,264	621,744
Briquettes	294,595	418,336	256,718	294,642	300,155	320,527
Tar and pitch	54,113	66,932	47,101	76,896	84,140	78,024
Creosote, etc.	1,091	3,141	1,345	522	535	2,175
Naphthalene, etc.	10,514	15,464	9,369	13,349	21,789	18,158
Yugoslavia—						
Anthracite	40,671	53,057	69,468	49,925	60,546	67,191
Other coal	4,395	3,703	64,533	391,127	546,436	920,139
Coke	336,229	466,981	446,041	230,525	213,772	94,102
Coke dust	29,309	10,365	12,432	6,057	981	21,732
Benzol, toluol, etc.	1,860	2,240	2,010	1,199	1,395	1,594
Naphthalene	168	184	372	353	313	292
Algeria—						
Coal	383,028	360,666	473,945	225,748	267,312	307,528
Coke	4,660	—	—	986	116	95
Briquettes	13,143	3,520	2,154	2,186	2,990	3,793
Tar and pitch	9,913	6,289	6,326	4,836	3,477	997
Benzol, toluol, etc.	211	215	333	243	417	362
Naphthalene	48	56	75	70	75	95
Heavy oils	83	135	94	123	14	5
Angola—						
Coal	27,789	29,887	36,344	23,260	25,360	29,169
Coke	1,796	3,428	2,467	2,599	2,773	1,618
Belgian Congo—						
Coal	148,517	107,835	183,871	130,365	118,243	166,455
Coke	56,648	52,215	62,747	73,864	74,784	97,101
Briquettes	—	23,948	6,238	246	25,008	27,170

(a) Information not available.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgian Congo (cont.)—						
Benzol, toluol, etc. ..	(a)	(a)	(a)	113	217	135
Carbolineum	(a)	(a)	(a)	338	348	218
Pitch	(a)	(a)	(a)	85	103	324
Tar	254	600	621	348	726	305
Cameroon (French)—						
Coal, coke, etc. ..	7,822	14,550	23,143	8,811	48	232
Canary Islands—						
Coal (b)	63,363	72,928	58,256	45,870	35,442	(a)
Cape Verde Islands—						
Coal (b)	(a)	26,349	17,193	2,110	6,901	8,317
Ceuta—						
Coal (b)	213,228	99,535	68,974	111,134	93,574	(a)
Egypt—						
Coal (d)	181,172	252,252	185,854	69,526	118,162	99,665
Coke	7,869	8,266	7,962	5,637	13,190	9,009
Briquettes	24,296	7,195	6,980	2,302	6,030	591
Tar and pitch	43	67	61	5	105	95
Naphthalene	98	110	109	117	42	132
Coal-tar residues ..	195	80	7	2	12	10
Ethiopia—						
Coal	7,446	6,041	3,452	3,233	13,888	11,064
Naphthalene	280	340	184	201	152	88
French Equatorial Africa—						
Coal, coke, briquettes ..	7,249	3,099	10,302	3,505	1,083	2,981
French Somaliland—						
Coal	12,536	17,300	10,895	10,574	—	709
French Togoland—						
Coal and briquettes ..	(a)	964	752	393	855	41
French West Africa—						
Coal	91,433	86,413	155,332	21,428	15,961	167
Briquettes	70,174	135,427		30,955	44,321	28,815
Other	1,181	4,429		—	845	684
Madagascar—						
Coal	60,315	18,209	40,191	8,973	13,333	5,150
Coke	328	30	41	126	2,012	74
Briquettes	1	7,428	9,615	8,584	3,008	4,295
Tar and pitch	191	120	94	163	153	139
Melilla—						
Coal	17,764	15,694	23,235	17,558	16,991	(a)
Morocco (French)—						
Coal	89,585	77,900	88,956	111,996	122,670	(a)
Coke	3,300	3,193	5,693	6,231	7,950	(a)
Tar	5,503	(a)	6,760	4,818	3,337	(a)
Pitch	135	(a)	1,147	1,043	947	(a)
Morocco (Spanish)—						
Anthracite	2,966	1,389	3,954	2,592	2,929	4,043
Other coal	3,583	6,705	7,224	5,328	4,388	4,398
Coke	712	21	12	500	431	384
Mozambique—						
Coal	216,598	209,957	221,409	206,252	221,661	238,392
Coke	381	512	464	479	627	774
Tar, pitch and asphalt ..	1,388	2,296	2,810	1,712	3,451	3,176
Naphthalene	33	6	1	6	13	1
Reunion—						
Coal and briquettes ..	(a)	10,031	16,380	118	5,359	344
Tunis—						
Coal	157,337	200,824	165,050	71,666	59,226	36,358
Coke	13,038	10,322	(a)	10,713	11,121	9,425
Briquettes		—	(a)	874	(a)	(a)
Tar and pitch		1,732	2,273	(a)	31	765	756
Costa Rica (c)—						
Coal	10	(a)	(a)	21	30	32

(a) Information not available.

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

(c) Total imports.

(d) Revised to include imports for bunkering purposes. See exports.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Cuba (b)—						
Coal	9,518	55,980	19,235	41,942	35,543	(a)
Coke	15,408	7,441	18,967	2,215	20,155	(a)
Creosote oil	131	144	126	158	149	(a)
Tar and pitch	159	121	235	147	87	(a)
Dominican Republic (b)—						
Coal, coke, briquettes, etc.	175	400	396	214	1,457	510
French West Indies—						
Guadeloupe—						
Coal	59	2,358	2,925	52	1,263	8
Martinique—						
Coal	5,703	2,591	2,960	2,052	27	1,706
Coke .. .. .							2	(a)	(a)
Greenland—						
Coal	(a)	(a)	(a)	(a)	10,848	16,906
Guatemala (b)—						
Coal	44	136	106	202	272	167
Coke	1,124	162	203	597	160	65
Mexico (total imports)—						
Coal	763	976	26,097	35,071	51,625	40,797
Coke	29,345	13,540	18,564	6,841	14,265	10,098
Tar and pitch	21	76	156	212	309	228
Benzol, etc.	518	877	1,404	1,330	1,977	3,454
Creosote	171	213	158	2,181	4,136	405
Nicaragua (b)—						
Coal	10	—	—	—	4	15
Coke	77	121	92	64	33	89
Tar and pitch, etc.	3,893	1,578	2,369	2,266	1,055	1,682
Panama Republic (b)—						
Coal	204	209	210	128	92	(a)
Salvador—						
Coal	250	210	150	121	191	2,358
Coke .. .. .							112	195	161
St. Pierre and Miquelon—						
Coal	11,772	6,606	11,668	9,725	10,555	9,429
United States—						
Anthracite	16,329	23,939	26,223	28,074	5,206	152
Bituminous	227,641	193,138	173,136	155,657	112,734	206,301
Lignite	1,999	1,282	574	462	1,069	79
Slack and culm	79,919	65,879	60,434	46,471	63,696	94,645
Coke	390,699	144,321	279,035	140,463	103,376	112,805
Briquettes	718	110	150	87	213	—
Tar and pitch	13,762	14,164	14,601	13,746	60,651	75,006
Benzol	77,572	228,285	145,694	68,592	41,622	106,850
Cresylic acid	13,570	15,518	4,655	8,944	5,160	11,076
Creosote oil	165,143	196,271	265,451	214,216	156,765	127,415
Naphthalene	50,101	34,359	41,346	37,813	30,386	54,719
Carbolic acid	69	34	61	121	22	9
Argentina—						
Coal	1,424,232	2,167,638	1,712,803	1,165,222	1,482,373	1,158,648
Coke	19,895	50,195	42,850	43,588	45,012	95,706
Tar and pitch	285	—	301	38	148	159
Benzol	1,050	(a)	1,800	1,700	1,551	1,596
Naphthalene	752		28	400	3,243	2,429
Carbolic acid	1,276		981	868	2,818	3,128
Creolin	—		—	20	—	57
Heavy coal-tar oils	631	—	212	1,004	1,953	906
Bolivia—						
Coal and coke	1,765	12,303	11,569	4,723	8,879	(a)

(a) Information not available.

(b) Total imports.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil (b)—						
Coal	1,065,622	989,493	870,589	730,135	760,308	1,102,676
Coke	35,835	53,218	30,323	3,973	34,678	5,033
Briquettes	(a)	11,031	38,899	(a)	(a)	—
Carbolic acid	(a)	265	537	341	1,097	794
Benzol, toluol, etc.	(a)	1,252	500	455	2,141	609
Naphthalene	(a)	15	4	—	24	—
Chile—						
Anthracite	53	2	174,205	196,847	248,020	(c) 127,356
Other coal	76,572	193,843				
Coke	5,905	1,960	1,367	603	—	(c) 590
Naphthalene	4	—	—	3	(a)	(a)
Carbolic acid and cresol	474	1,513	1,199	1,217	518	(c) 1,422
Tar and pitch	2,263	2,218	8,322	10,514	(a)	(a)
Colombia (total imports)						
Coal	(a)	1,426	397	209	314	384
Coke	(a)	—	16	4	49	11
Tar	(a)	26	8	110	6	5
Benzol, toluol, etc.	(a)	157	148	102	334	481
Cresote oil	(a)	13	7	3	4	4
Carbolic acid	(a)	36	41	6	9	27
Naphthalene	(a)	54	4	2	1	4
Dutch Guiana—						
Coal	4,729	228	2,926	4,002	120	2,427
Peru—						
Coal	210	3,327	3,326	72	10	5
Coke	461	963	984	874	189	1,082
Tar	—	12	5	2	9	19
Naphthalene	14	8	9	70	33	20
Uruguay—						
Coal	126,030	136,958	114,567	79,776	83,434	(a)
Coke	847	3,363	3,799	2,445	(a)	(a)
Naphthalene	25	—	1	64	(a)	(a)
Venezuela (total imports)						
Coal	707	694	716	476	683	890
Naphthalene	(a)	(a)	36	23	32	(a)
Formosa—						
Coke	714	1,817	1,338	11,709	6,798	3,371
Tar and pitch	527	1,258	1,739	2,198	2,949	2,229
French India—						
Coal	(a)	8,077	6,041	(a)	(a)	(a)
Indo-China—						
Coal	11,490	10,457	18,590	5,575	11,378	(a)
Indonesia—						
Coal	24,250	34,804	58,207	51,669	35,929	33,009
Coke	2,783	6,580	2,989	4,046	2,133	214
Tar	419	1,090	894	1,121	785	134
Iraq—						
Coal	1,873	1,782	2,342	1,158	798	(a)
Coke	335	883	379	477	300	(a)
Tar and pitch	7,509	10,925	9,788	8,694	2,352	(a)
Israel—						
Anthracite	13,500	13,004	24,555	22,613	29,217	16,498
Other coal	7,920	7,801	2,043	991	2,519	2,704
Coke	12,319	2,661	2,534	4,691	4,068	—

(a) Information not available.

(b) Total imports.

(c) January to November only.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Japan—						
Anthracite	83,350	140,890	187,756	408,243	362,405	363,175
Other coal	735,694	1,763,465	3,114,615	4,434,705	3,188,502	2,553,548
Tar and pitch	3	50	—	33	58	288
Benzol	293	73	—	27	6	1,563
Toluol	907	246	—	1,242	2,227	127
Naphthalene	33	98	—	446	3,559	2,163
Carbolic acid	63	—	—	771	976	6
Cresol	559	398	248	2,601	2,484	272
Korea—						
Coal (b)	215,344	741,206	744,257	668,571	886,967	1,048,417
Lebanon—						
Coal	105	—	2,810	—	4,859	861
Coke	1,142	1,116	693	2,531	1,727	2,263
Briquettes	9,703	286	3,642	2,165	197	5,897
Naphthalene	—	3	32	39	55	43
Philippine Republic—						
Coal	3,039	10	58	10	—	—
Coke	3,991	4,524	2,742	4,843	4,055	6,090
Tar	111	339	144	75	448	376
Creosote	1,016	1,562	822	1,338	1,311	1,120
Portuguese India—						
Coal	17,769	12,197	16,222	(a)	(a)	(a)
Coke	113	478	456	(a)	(a)	(a)
Siam (total imports)—						
Coal	(a)	(a)	(a)	40,685	82,785	(a)
Coke	(a)	(a)	(a)	2,150	3,416	(a)
Tar	(a)	(a)	(a)	169	147	(a)
Syria—						
Coal	937	136	685	1,597	2,542	1,949
Coke	934	466	874	1,297	1,223	717
Briquettes	79	73	2,135	2,018	2,018	1,618
Turkey—						
Coal	20	3	—	53	—	—
Cresol and naphthalene	122	44	114	79	30	9
Toluol and xylol	2	150	581	481	470	201
French Oceania—						
Coal	5,941	3,410	5,307	3,649	1,968	1,772
New Caledonia—						
Coal	67,481	87,197	156,837	127,475	169,799	163,461

(a) Information not available.

(b) Revised.

COBALT
PRODUCTION OF COBALT
(Metal content)
(Cwt.)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Northern Rhodesia ..	13,177	13,985	9,901	16,828	21,423	13,237
Canada (b)	5,213	8,496	12,696	14,308	20,116	26,783
Australia (c)	208	165	214	211	228	228
FOREIGN COUNTRIES						
Belgian Congo	101,334	112,494	134,462	162,945	169,461	168,634
Morocco (French) ..	8,346	14,251	19,782	11,850	14,530	14,900
Mexico	—	35	316	—	—	—
United States	7,226	8,059	12,172	11,240	17,826	23,292
TOTAL	135,504	157,485	189,543	217,382	243,584	247,100

Complex ores containing cobalt are known to have been produced in Greece, China and Korea, but figures are not available.

(a) Information not available.

(b) Metal recovered from smelter products plus cobalt contained in cobalt ores and residues exported

(c) Estimated cobalt content of cobalt oxide.

EXPORTS OF COBALT, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Cobalt	443	679	311	379	843	468
Other cobalt and alloys	159	170	342	(a)	(a)	(a)
Cobalt oxide	2,450	421	1,547	3,046	3,024	5,090
Other compounds	12,376	7,940	6,939	6,471	7,051	8,145
Northern Rhodesia—						
Cobalt	—	—	536	5,536	11,250	8,893
Cobalt alloy	35,750	34,589	26,589	22,357	24,304	10,625
Canada—						
Cobalt ore (<i>Co content</i>)	149	315	—	331	29	—
Cobalt	—	1,717	2,817	6,869	10,170	13,777
Cobalt alloys	9	7	183	106	44	110
Cobalt oxides and salts	3,466	5,888	7,018	8,326	7,466	14,645
Hong Kong (including re-exports)—						
Cobalt oxide	(a)	(a)	(a)	(a)	9	425
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Cobalt (b)	24,595	27,570	30,150	31,904	22,457	30,844
Finland—						
Cobalt ore	2,479	80	—	—	—	—
France—						
Matte and speiss	—	94	175	2	—	—
Ingots and scrap	476	543	654	1,028	772	148
Cobalt salts	4	356	215	89	85	89
Sweden—						
Cobalt	—	—	—	39	20	—
Belgian Congo—						
Cobalt	45,952	49,950	66,415	91,332	99,445	98,039
Cobalt-copper ingots	130,608	139,813	162,079	173,101	158,579	140,577
Morocco (French)—						
Cobalt ore	62,596	131,687	177,433	103,346	173,997	139,226
United States—						
Cobalt ore, alloys and scrap	1,422	92	22,641	3,373	27,329	34,073

(a) Information not available.

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

IMPORTS OF COBALT, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Rondels, pellets and squares	5,836	5,587	9,264	7,740	27,009	18,597
Other kinds, including alloys	30,117	25,507	20,758	23,432	23,853	4,489
Cobalt oxide	5,111	8,305	10,371	11,806	7,729	15,868
Other compounds	2	453	4	(a)	(a)	(a)
Canada—						
Ore	34,933	32,927	133,423	38,286	93	338
Cobalt oxide	231	—	—	254	62	71
Hong Kong (total imports)—						
Cobalt oxide	(a)	(a)	(a)	419	420	1,690
Australia (b)—						
Cobalt ores, etc.	(a)	(a)	(a)	53	90	(a)
Cobalt ingots, etc.	290	(a)	—	171	159	423
Cobalt oxide	(a)	(a)	(a)	52	95	209
Cobalt salts (f)	509	551	1,177	344	743	545
New Zealand—						
Cobalt salts	5,670	4,138	4,578	1,481	3,073	5,194
FOREIGN COUNTRIES						
France—						
Cobalt ore	30,756	79,882	106,048	60,442	79,605	102,060
Matte and speiss	567	2	6	—	4	2
Ingots and scrap	413	18	230	167	348	433
Cobalt oxide	297	167	203	108	431	740
Cobalt chloride	4	21	60	—	—	—
Germany (Federal)—						
Cobalt ore	(a)	(a)	77	2,457	392	5,372
Italy—						
Metal and alloys, crude and scrap	(a) 211	423	1,783	1,380	1,766	1,272
Cobalt oxide (d)	448	526	1,228	1,358	1,063	1,482
Portugal—						
Cobalt oxide	(a)	5	105	32	55	61
Sweden—						
Cobalt	2,067	1,791	2,491	728	1,299	2,953
Yugoslavia—						
Cobalt	(a)	(a)	(a)	20	51	39
United States—						
Cobalt ore (c)	30,734	37,682	56,535	50,847	49,042	50,428
Co content	17,081	16,066	25,608	22,001	21,160	22,334
Cobalt metal	60,240	75,856	105,880	138,071	127,035	138,706
Cobalt oxide	8,368	3,898	3,455	5,447	3,843	9,580
Cobalt salts	42	28	116	2,440	3,153	3,229
Argentina—						
Cobalt	624	(a)	638	441	3,116	1,744
Brazil (total imports)—						
Cobalt oxide	(a)	3	220	118	849	223
Japan—						
Cobalt ore	—	758	(a)	(a)	197	—
Ingots, slabs and grains	20	244	3,453	4,657	4,421	3,078
Cobalt oxide	89	343	(a)	1,466	1,258	1,995
Turkey—						
Cobalt salts	—	4	4	32	24	7

(a) Information not available.

(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 molybdenum oxide.

(e) July to December only.

(f) Revised.

COPPER
PRODUCTION OF COPPER ORE
(Metal content)
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	(a)	27	16	11	16	16
Kenya (exports)	—	100	306	531	—	—
Northern Rhodesia (d) ..	292,788	314,329	324,275	366,795	391,704	352,956
Southern Rhodesia	115	94	107	450	296	1,060
South West Africa	10,823	12,417	13,970	12,047	14,004	21,038
Tanganyika	27	135	252	485	368	(b) 820
Union of South Africa ..	33,446	33,198	34,558	35,575	41,641	43,963
Canada (d)	235,901	241,046	230,039	226,118	270,296	289,825
Cyprus (e)	22,933	22,451	26,396	21,372	26,838	23,374
India	7,180	7,580	6,670	5,206	7,722	7,880
Australia	14,905	16,607	20,088	36,495	40,857	45,496
New Zealand	—	19	—	—	—	—
TOTAL	618,000	648,000	656,700	705,100	793,700	786,000
FOREIGN COUNTRIES						
Austria	1,651	1,813	2,710	3,080	3,068	2,654
Finland (d)	15,203	18,018	18,386	18,477	19,921	21,165
France (d)	42	51	44	16	—	—
Germany—						
Federal Republic	1,340	1,643	2,320	2,020	2,323	1,192
East (b)	8,200	8,400	11,000	15,600	20,400	23,000
Italy	410	390	400	440	870	620
Norway	15,374	13,782	13,417	12,823	13,374	13,767
Portugal	2,585	2,963	2,720	(c) 737	(c) 424	(c) 446
Spain (b)	12,000	13,000	17,000	14,000	16,000	16,000
Sweden	15,846	14,219	13,554	13,325	13,004	15,424
U.S.S.R. (estimated) ..	251,000	285,000	329,000	340,000	355,000	400,000
Yugoslavia	42,609	35,382	36,386	34,759	31,642	28,659
Angola	1,259	1,140	1,112	1,451	3,296	1,799
Belgian Congo (smelter)	173,142	188,927	202,499	210,734	220,257	231,394
Morocco (French)	20	28	797	1,129	750	740
Cuba	20,235	20,873	17,059	15,184	15,571	17,417
Mexico (d)	60,724	66,287	57,540	59,198	53,940	53,812
United States (d)	811,913	828,866	826,229	827,186	745,957	886,250
Bolivia (exports)	4,630	4,769	4,629	4,393	3,064	3,442
Chile (d)	357,028	373,729	402,179	357,400	357,912	385,116
Ecuador	518	—	—	2	—	15
Peru	29,797	31,794	30,687	34,842	37,818	41,309
Japan	38,806	42,085	52,706	57,953	65,228	71,845
Formosa	(a)	(a)	193	752	843	1,311
Korea (South) (b)	200	50	500	500	350	600
Philippine Republic	10,220	12,511	13,032	12,514	14,122	17,185
Saudi Arabia	41	—	—	—	—	—
Turkey (smelter)	11,515	12,889	22,962	26,913	24,815	23,423
TOTAL	1,890,000	1,980,000	2,070,000	2,070,000	2,020,000	2,260,000
WORLD'S TOTAL	2,500,000	2,630,000	2,730,000	2,770,000	2,810,000	3,050,000

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

(a) Information not available.

(b) Estimated.

(c) Not strictly comparable with previous years.

(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): 1950—14,800; 1951—17,100; 1952—18,000; 1953—15,500; 1954—18,900; 1955—22,200.

METAL PRODUCTION OF COPPER

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Northern Rhodesia ..	276,463	309,159	312,409	362,656	378,656	342,200
Union of South Africa ..	32,816	32,403	33,663	34,443	40,314	42,641
Canada (b)	206,465	210,746	199,458	184,686	229,609	248,936
India	6,614	7,083	6,079	4,920	7,161	7,281
Australia	15,420	15,241	20,008	34,159	38,047	37,439
TOTAL	537,778	574,632	571,617	620,864	693,787	678,497
FOREIGN COUNTRIES						
Austria (c)	5,284	6,348	6,330	9,177	9,248	10,145
Finland	17,322	21,146	22,342	23,153	22,214	21,949
Germany—						
Federal Republic ..	47,700	51,700	41,700	47,400	49,400	51,900
East	15,000	15,000	16,000	21,000	25,000	27,000
Italy	54	138	1,154	143	(a)	(a)
Norway	8,892	8,519	9,851	11,913	12,687	13,520
Portugal	—	19	—	—	—	—
Spain	9,567	6,260	6,803	6,118	5,693	5,787
Sweden	16,247	13,784	13,220	17,077	16,355	18,089
U.S.S.R. (estimated) (d)	251,000	285,000	329,000	340,000	355,000	400,000
Yugoslavia	39,447	31,505	32,301	30,697	29,817	27,814
Angola	1,258	1,082	972	1,105	1,705	769
Belgian Congo	173,142	188,927	202,499	210,734	220,257	231,394
Mexico	47,439	56,549	47,928	49,369	41,151	40,847
United States (e) ..	900,472	925,563	914,662	935,529	844,553	987,970
Chile	340,004	354,412	377,230	331,916	332,873	399,446
Peru	22,860	23,932	20,214	23,038	26,052	31,677
China (f)	4,000	6,000	6,000	8,000	8,000	9,000
Formosa	354	496	815	563	880	1,156
Japan (g)	36,589	43,155	48,531	62,609	63,707	79,760
Korea (South)	—	18	34	196	236	322
Turkey	11,515	(h) 17,249	22,962	26,913	24,815	23,423
TOTAL	1,950,000	2,055,000	2,125,000	2,150,000	2,090,000	2,380,000
WORLD'S TOTAL	2,488,000	2,630,000	2,697,000	2,771,000	2,784,000	3,060,000

(a) Information not available.

(b) Copper content of blister and anode copper.

(c) Includes secondary metal.

(d) May include secondary metal.

(e) In addition, secondary metal was recovered as follows (long tons): 1950—872,535; 1951—832,395; 1952—806,426; 1953—855,771; 1954—749,917; 1955—856,000.

(f) Estimated.

(g) In addition, secondary metal was recovered as follows (long tons): 1950—46,804; 1951—46,356; 1952—44,380; 1953—27,011; 1954—41,102; 1955—31,767.

(h) Revised.

EXPORTS OF COPPER, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Bars and ingots ..	23,470	3,174	7,034	20,735	20,090	15,393
Scrap	3,084	678	2,808	824	—	5
Plates, sheets, etc. ..	10,738	9,255	8,182	6,981	8,533	8,532
Rods and wire (e) ..	24,920	8,811	7,100	7,892	23,555	40,405
Tubes	4,769	4,848	4,383	3,747	5,161	6,643
Sulphate	54,839	40,104	41,944	45,255	39,193	39,171
Kenya—						
Concentrates	—	524	1,614	3,002	—	—
Northern Rhodesia—						
Ore and concentrates ..	—	—	6,037	—	(c) 1,429	(c) 4,919
Blister	217,481	186,886	229,591	227,470	(c) 205,655	(c) 172,898
Electrolytic	73,288	103,847	109,754	144,581	(c) 178,595	(c) 168,905
Southern Rhodesia—						
Ore and concentrates ..	(a)	(a)	46	493	(d)	(d)
South West Africa—						
Copper-lead ore (Cu content) (b)	10,515	11,272	14,554	12,284	12,301	21,038
Tanganyika—						
Lead concentrates (Cu content)	27	135	251	485	368	(f) 820
Union of South Africa—						
Copper-gold concentrates (Cu content)	82	21	32	30	154	137
Copper matte (Cu content)	347	680	877	928	1,209	834
Ingots, bars and blocks	33,988	29,078	31,726	31,515	40,860	38,631
Canada—						
Ore, matte, etc. (Cu content)	28,839	32,904	30,748	45,677	42,332	37,112
Ingots, etc.	119,861	90,921	101,496	117,852	139,402	136,785
Scrap, slag, etc.	5,566	887	1,550	9,507	9,755	16,333
Rods, sheets and strips	13,627	11,088	16,631	5,150	7,186	14,995
Tubes	607	779	3,750	971	1,526	2,113
Wire	(£444,133)	(£495,707)	(£2,058,254)	(£704,916)	(£321,800)	(£656,177)
Cyprus—						
Concentrates, cement copper and cupreous pyrites (Cu content)	22,933	22,451	26,396	21,372	26,838	23,374
Hong Kong (including re-exports)—						
Crude and refined, unwrought (incl. alloyed)	2,863	5,195	21	—	—	8
Scrap			267	179	627	1,392
Bars, sheets, tubes and wire (incl. alloyed) ..	5,821	237	14	40	25	112
India—						
Ingots, etc.	74	164	2,013	345	136	483
Malaya (including re-exports)—						
Ingots, sheets, wire, etc.	112	85	137	117	93	57
Sulphate	(a)	(a)	(a)	28	3	6

(a) Information not available.

(b) Copper content of lead-copper-zinc ores and concentrates, the gross weight of which is shown under "Lead" up to 1951.

(c) Federation of Rhodesia and Nyasaland.

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

(e) Revised.

(f) Estimated.

EXPORTS OF COPPER, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Australia (b) (d)—						
Ore, etc. (Cu content) ..	455	998	613	1,422	991	4,404
Matte	300	—	2,001	—	—	—
Blocks and ingots ..	1	2	10	3,630	12,787	5,123
Scrap	37	56	65	207	553	5
Bars, sheets, tubes, etc.	60	104	33	236	1,241	548
Wire	5	15	29	99	801	154
New Zealand—						
Scrap	1	—	3	140	368	867
Irish Republic—						
Scrap	1,512	717	1,339	1,338	(a)	1,716
FOREIGN COUNTRIES						
Austria—						
Ore	—	1,978	—	—	1,339	—
Rough copper	1,353	1,394	843	1,422	687	1,290
Scrap	468	32	3	6	2	114
Bars, sheets and wire ..	8	49	74	34	48	165
Sulphate	477	38	99	451	331	530
Belgium-Luxemburg						
E.U.—						
Rough copper	116,966	104,000	120,046	128,978	125,015	122,485
Scrap	8,452	2,812	993	940	954	1,102
Bars, sheets, wire, etc.	19,123	22,226	17,944	16,292	20,904	22,809
Tubes and pipes ..	1,848	1,637	1,928	1,949	2,951	3,168
Sulphate	8,126	19,856	25,211	13,810	20,422	14,806
Denmark—						
Rough copper	123	378	1,351	721	521	303
Scrap and alloyed ..	2,028	1,534	1,762	2,506	2,239	2,950
Bars, sheets, wire, etc. ..	57	15	52	169	135	620
Finland—						
Ore	3	—	—	—	—	—
Rough copper and scrap	4,257	4,203	1,698	2,373	1,420	1,284
Sheets and wire ..	564	860	670	1,281	2,861	1,563
France—						
Ore, matte, etc. ..	167	167	—	—	31	—
Ingots	732	2,836	34	84	1,678	115
Scrap	1,924	563	106	1,260	986	622
Bars, sheets and wire ..	2,570	3,502	1,288	1,276	3,948	3,663
Sulphate	5,751	8,835	2,327	6,803	5,606	9,942
Germany (Federal)—						
Ore	—	295	—	12,594	—	—
Rough and refined						
copper	36,106	35,209	55,621	47,297	40,852	47,197
Scrap	47	1,043	455	1,366	450	1,394
Bars, sheets, wire, etc. ..	5,626	4,997	11,192	10,103	15,785	24,448
Sulphate	(c) 1,278	(c) 692	2,126	2,957	4,643	4,490
Greece—						
Ore	1,526	—	—	—	89	(a)
Italy—						
Ore	3	668	19	—	—	—
Ingots and alloys ..	163	261	98	324	35	—
Scrap	19	2	45	—	1	—
Bars, sheets, wire, etc.						
and alloys	1,986	1,368	1,173	374	488	1,551
Sulphate	158	3	5	—	2,000	2,577

(a) Information not available.

(c) Including ferrous sulphate.

(b) Years ended June 30 of that stated.

(d) Revised.

EXPORTS OF COPPER, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Ingots and bars	453	326	1,296	288	218	700
Scrap	15,205	15,701	11,924	12,085	9,217	12,971
Sheets, tubes and wire	234	175	1,811	5,663	14,559	9,984
Sulphate	28	92	4	40	17	10
Norway—						
Ore	6,289	11,259	7,114	9,414	11,688	12,358
Matte	16,147	13,571	15,202	14,008	11,694	12,582
Burnt cupreous pyrites	817	2,756	5,780	2,358	5,000	7,362
Rough copper	8,910	6,432	7,505	10,850	12,024	12,560
Scrap, including alloyed	2,116	1,756	2,044	2,282	2,515	3,665
Portugal—						
Ore	1,126	—	—	—	—	—
Rough copper, sheets, etc.	23	23	12	7	17	296
Sulphate	113	153	90	17	18	109
Spain—						
Ore	—	—	—	—	—	(a)
Ingots, bars and alloyed	39	9	119	—	—	(a)
Sheets, tubes, wire and alloyed	36	28	129	—	—	(a)
Sulphate	185	432	187	508	—	(a)
Sweden—						
Rough copper	5,485	5,115	11,724	15,455	18,136	13,884
Scrap	1,599	425	117	2,594	623	1,812
Sheets, tubes, wire, etc.	14,506	12,137	13,477	15,952	21,324	21,640
Sulphate	1	67	3	—	1	2
Switzerland—						
Ore, filings and turnings	3,048	2,385	1,421	1,207	1,406	1,234
Bars, ingots, etc.	1,276	191	933	1,894	924	1,368
Scrap	844	162	84	506	434	389
Sheets, tubes, wire, etc. including alloyed	4,755	2,361	4,123	9,192	9,770	7,484
Yugoslavia—						
Concentrates	640	—	(a)	(a)	—	—
Blister	15,734	7,672	5,262	9	—	—
Electrolytic	492	4,782	12,454	14,487	10,845	6,145
Scrap	—	203	255	101	—	—
Rods, sheets, tubes, etc.	(a)	(a)	(a)	218	598	3,077
Sulphate	1,212	881	7,899	4,516	1,534	888
Algeria—						
Ore	320	169	242	128	921	943
Bars, sheets and wire	707	1,002	1,463	538	1,382	1,802
Scrap	1,196	226	76	428	613	260
Sulphate	—	6	—	44	69	—
Angola—						
Ore	165	—	—	52	—	—
Ingots	1,777	1,125	1,268	1,416	1,669	1,158
Belgian Congo—						
Blister	79,704	79,223	88,446	103,023	} 223,184	225,974
Refined	84,543	101,583	113,108	100,822		
Copper-cobalt ingots	6,530	6,991	8,104	8,655		
Egypt—						
Rough copper and scrap	—	83	116	—	152	84
Morocco (French)—						
Ore	154	404	1,827	4,038	3,699	2,466
Old and scrap	11	(a)	272	103	203	(a)
Cuba—						
Ore	77,026	66,067	50,627	87,319	87,577	64,261
Scrap	196	128	112	105	663	(a)

(a) Information not available.

EXPORTS OF COPPER, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Mexico—						
Ore, concentrates, etc.	17,575	26,122	25,884	38,940	42,296	36,824
Rough copper	51,499	44,976	50,957	49,860	41,617	44,910
<i>Cu content (b)</i>	50,963	51,529	33,071	37,570	29,798	26,178
United States—						
Ores, matte, blister, etc. (<i>Cu content</i>)	550	209	577	442	2,115	6,828
Refined ingots, etc. ..	129,073	119,022	155,476	97,777	192,813	178,410
Scrap	8,433	6,876	7,983	30,864	67,657	27,801
Sheets, rods, wire, etc. .	15,771	8,103	8,619	8,930	4,636	6,893
Pipes and tubes	1,775	1,928	2,313	1,448	1,070	1,153
Sulphate	26,918	38,508	38,768	29,159	26,574	33,377
Bolivia—						
Ore, etc. (<i>Cu content</i>) ..	4,630	4,769	4,629	4,393	3,064	3,442
Chile—						
Ores and concentrates ..	15,913	21,055	28,213	32,574	28,049	(d) 23,660
Precipitate	808	1,781	2,011	751	1,673	(d) 1,398
Ingots—						
Blister and refined ..	178,840	184,070	216,673	220,530	233,000	(d) 238,158
Electrolytic	138,194	119,818	130,630	68,900	112,000	(d) 87,486
Bars and sheets	840	10,038	10,900	6,049	4,430	(d) 7,066
Wire	3,216	18,861	12,601	6,336	(a)	(a)
Sulphate	954	547	984	399	181	(d) 414
<i>Cu content (c)</i>	(a)	314,385	359,087	313,692	369,304	(a)
Ecuador—						
Concentrates	617	—	—	—	—	—
Peru—						
Ore (<i>Cu content</i>)	5,209	8,490	10,206	9,240	10,504	9,325
Matte, etc. (<i>do.</i>)	191	221	339	392	367	441
Bars, etc. (<i>do.</i>)	21,244	24,325	21,008	21,247	25,633	30,357
Precipitate (<i>do.</i>)	137	193	430	480	406	517
Formosa—						
Ore	572	(a)	(a)	4,132	3,884	7,431
Japan—						
Ingots and blocks	48,802	6,471	382	1,782	6,356	11,833
Bars, rods and tubes ..	27,774	4,122	3,047	1,534	4,392	6,179
Plates, sheets and wire	6,332	13,590	16,620	1,379	14,666	17,814
Scrap	4,867	—	455	—	—	—
Sulphate	666	—	108	299	105	818
Philippine Republic—						
Ore and concentrates ..	15,551	105	9,097	3,343	1,330	24,668
Copper-gold-silver concentrates	41,672	66,316	65,506	62,015	59,872	64,183
Scrap	1,488	10,485	59	184	157	39
Turkey—						
Ore	(a)	(a)	—	4,819	3,937	3,665
Ingots	6,216	7,413	16,404	17,418	11,521	11,864

(a) Information not available.

 (b) Total metal content of above items and *not* additional.

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

(d) January to November only.

IMPORTS OF COPPER, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Bars, ingots, etc.—						
Electrolytic	209,858	219,166	207,214	211,138	244,323	244,611
Other refined	1,516	5,532	4,832	6,828	16,972	30,555
Blister	105,998	130,931	170,572	100,124	117,636	121,354
Scrap	301	1,113	1,814	1,180	9,363	13,424
Plates, sheets, etc. .. .	22	13	31	13	51	476
Rods	1,106	—	271	6	2	1,930
Tubes	46	8	61	10	10	13
Wire	160	42	286	37	36	7
Anglo-Egyptian Sudan—						
Sulphate	53	246	39	14	(a)	(a)
Gold Coast—						
Rods, sheets, tubes, etc.,						
incl. alloys	(a)	(a)	(a)	(a)	330	263
Wire	(a)	(a)	(a)	(a)	71	70
Kenya—						
Crude, refined, alloys						
and scrap	52	(b) 202	(b) 222	(b) 248	75	279
Bars, sheets, tubes and						
wire	289	79	123	1,006	21	205
Sulphate	22	92	137	5	4	43
Mauritius—						
Bars, rods, sheets, wire,						
etc.	49	(b) 13	87	79	29	57
Nigeria—						
Rods, sheets, tubes, etc.						
incl. alloys	(a)	(a)	(a)	(a)	213	429
Wire	(a)	(a)	(a)	(a)	72	141
Southern Rhodesia—						
Ingots, bars and rods .. .	355	624	827	395	(c) 347	(c) 466
South West Africa—						
Bars, sheets, pipes, wire,						
etc.	193	402	364	288	3	(d)
Tanganyika—						
Crude, refined, alloys						
and scrap	14	30	2	21	62	33
Sheets, tubes, wire, etc.						
Sulphate	76	94	224	228	257	92
Sulphate	48	104	51	44	31	41
Uganda—						
Sheets, tubes, wire, etc.						
Union of South Africa—						
Bars, ingots and slabs	17,149	16,281	19,337	11,266	13,629	(e) 12,756
Plates, sheets and tubes	1,236	1,046	1,089	706	681	(a)
Wire	805	886	953	843	301	(a)
Canada—						
Blocks, pigs and ingots						
Scrap	109	1,349	11,583	4,924	1,521	31
Bars, sheets, wire, etc.						
Sulphate	413	1,129	1,829	8,110	555	2,010
Bars, sheets, wire, etc.						
Sulphate	1,917	2,384	1,429	1,881	2,388	2,035
Sulphate	632	33	1,372	1,782	949	1,011
British West Indies—						
Barbados—						
Bars and sheets .. .	(£1,926)	(£2,847)	(£2,196)	(b) (£619)	(£8,536)	(£21,257)
Trinidad—						
Sulphate	(a)	18	16	37	23	57
Cyprus—						
Bars, sheets, wire, etc.						
Cyprus—						
Bars, sheets, wire, etc.	199	180	97	61	104	60

(a) Information not available.

(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.)

Importing Country and Description	1950	1951	1952	1953	1954	1955	
BRITISH COUNTRIES							
<i>(cont.)</i>							
Hong Kong (total imports)—							
Crude and refined, unwrought incl. alloys ..	1,736	6,546	171	55	7	21	
Scrap			271	98	33	135	
Bars, sheets, tubes and wire incl. alloys ..	7,470	249	2,359	1,368	186	276	
Sulphate	120	35	—	—	—	—	
India—							
Ingots, cakes, blocks, etc. (e)	33,871	6,819	14,214	12,363	18,618	15,247	
Scrap	6,564	1,032	175	246	1,641	419	
Sheets, tubes, wire, etc.	170	344	1,602	1,742	157	189	
Sulphate	1,418	1,592	1,531	1,123	1,067	628	
Malaya (total imports)—							
Ingots, sheets, wire, etc.	972	1,029	1,570	1,582	783	1,134	
Sulphate	(a)	(a)	(a)	109	162	197	
Pakistan (b)—							
Ingots, cakes, blocks, etc.	(a)	2	207	49	144	51	
Scrap			752	686	—	—	24
Sheets, tubes, wire, etc.			73	333	51	49	277
Sulphate			20	45	85	40	41
Sarawak—							
Bars, sheets, tubes, wire	8	20	1	12	61	32	
Australia (c) (e)—							
Ore and concentrates ..	605	20	4	46	—	30	
Blocks and ingots ..	16,369	20,602	22,053	18,360	2,989	28,569	
Scrap	158	56	40	1	23	(d) 40	
Rods, sheets and tubes ..	7,754	14,755	2,886	3,180	3,110	4,902	
Wire	5,014	2,184	836	304	77	96	
Sulphate	1,541	1,367	2,134	96	678	337	
New Zealand—							
Bars, sheets, pipes, etc.	3,417	3,195	3,994	2,943	4,544	4,649	
Wire	1,537	914	1,249	632	1,104	913	
Sulphate	404	368	1,409	22	460	450	
Irish Republic—							
Bars, sheets, wire, etc. ..	2,025	1,717	2,384	1,434	2,299	1,241	
Sulphate	2,369	2,071	2,239	2,481	2,199	1,925	
FOREIGN COUNTRIES							
Austria—							
Ore	8,547	—	—	—	—	17	
Rough copper	4,396	4,658	7,840	8,276	14,466	12,591	
Scrap	1,258	1,527	911	1,890	1,190	3,382	
Bars, sheets, wire, etc.	2,179	3,700	2,390	737	622	574	
Sulphate	—	76	1,134	—	—	1	
Belgium-Luxemburg							
E.U.—							
Ore	5,540	6,699	1,201	581	494	2,916	
Matte and rough copper	152,720	144,663	167,452	153,131	172,672	179,572	
Scrap	18,652	20,660	11,671	12,116	7,484	13,004	
Bars, sheets, wire, etc. ..	2,117	596	540	1,794	1,559	1,324	
Tubes	546	512	478	627	681	554	
Sulphate	30	5	6	26	16	23	
Denmark—							
Rough copper	4,607	3,403	3,611	3,822	3,143	4,219	
Scrap, including alloyed	735	491	317	310	88	202	
Bars, sheets, wire, etc.	10,754	10,137	8,196	8,715	12,198	12,829	
Sulphate	1,967	1,220	1,165	1,143	1,856	1,712	

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

(d) Excess of re-exports.

(e) Revised.

IMPORTS OF COPPER, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Finland—						
Rough copper	395	218	1,468	1,880	2,211	1,323
Scrap	651	200	4	—	—	—
Bars, sheets, tubes and wire	2,038	1,805	4,759	1,728	750	864
Sulphate	10	71	23	24	49	31
France—						
Ore	1	1	51	—	—	(a)
Rough copper—						
Unrefined	6,470	12,125	14,295	6,362	8,902	6,034
Refined	97,420	95,609	122,742	89,052	126,690	162,492
Alloyed	3,232	68	210	23	71	132
Scrap	1,016	849	2,910	823	1,341	1,845
Bars, sheets and wire ..	322	262	13,359	271	267	411
Sulphate	2,614	8,153	18,550	7,757	2,661	5,970
Germany (Federal)—						
Ore and burnt cupreous pyrites	1,031,613	1,080,319	1,190,402	(c) 138,682	(c) 148,995	(c) 156,047
Matte	(a)	(d) 3,058	20,898	8,255	9,257	11,128
Rough copper, including refined ..	59,128	62,147	78,613	95,820	172,434	202,645
Scrap	11,668	20,848	21,702	37,255	93,076	91,762
Bars, sheets, wire, etc. (b)	33	4,888	5,791	304	17,268	15,174
Sulphate	(e) 75	(e) 603	852	581	1,914	3,414
Greece—						
Rough copper and alloys	444	279	61	86	319	284
Sheets, tubes, alloys, etc.	577	146	444	560	428	456
Sulphate	3,705	5,172	1,965	2,038	3,046	6,116
Iceland—						
Bars, tubes, wire, etc. ..	103	88	208	296	279	311
Italy—						
Ore	4,483	—	2,082	—	—	—
Ingots and alloys	60,459	62,874	62,752	69,687	101,701	87,094
Scrap	11,408	9,063	8,176	8,887	17,922	11,957
Bars, sheets, wire, etc., and alloys	4,791	4,717	3,359	2,184	1,986	1,029
Sulphate	10,993	1,965	1,326	8,385	5,739	1,724
Netherlands—						
Ingots and bars	19,440	14,746	12,412	16,711	28,154	25,328
Scrap	946	1,898	562	1,469	2,218	3,534
Sheets, tubes and wire ..	9,108	6,761	10,327	11,259	16,186	17,080
Sulphate	1,242	819	412	781	1,072	1,102
Norway—						
Rough copper	2,390	1,682	2,836	3,452	4,891	4,419
Copper-nickel matte	16,362	20,634	26,119	29,576	34,624	37,111
Scrap	—	69	34	34	65	149
Sheets and rods	1,044	698	772	901	1,347	909
Bars, tubes and wire (b)	9,156	7,664	8,977	7,823	9,092	8,497
Sulphate	117	373	36	112	100	96
Portugal—						
Ore and concentrates	165	—	—	55	—	—
Ingots, wire, etc.	2,963	3,044	4,099	4,409	5,052	4,646
Sulphate	1,046	1,760	2,378	6,101	5,012	1,364
Spain—						
Ore	—	31	78	—	—	(a)
Precipitate and scrap (b)	1,466	2,722	4,121	2,063	2,014	(a)
Ingots and bars (b)	3,413	1,553	8,848	7,946	10,844	(a)
Sheets, tubes and wire (b)	65	59	733	320	162	(a)
Sulphate	8,192	10,788	6,953	1,995	2,755	(a)

(a) Information not available.

(b) Including alloys.

(c) Excluding burnt cupreous pyrites.

(d) October to December only.

(e) Including ferrous sulphate.

IMPORTS OF COPPER, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Ore	3,985	12,181	36,225	41,029	49,899	31,563
Rough copper	37,219	37,704	43,620	29,855	57,799	49,920
Scrap	2,383	6,323	8,516	5,428	1,633	3,748
Sheets, rods, wire, etc.	511	564	1,314	575	1,814	2,075
Sulphate	488	519	574	531	356	708
Switzerland—						
Ore, filings and turnings	343	416	23	347	2,729	696
Bars, ingots, etc. (b)	17,474	24,801	24,926	13,761	28,180	26,292
Scrap (b)	54	732	267	42	1,322	1,170
Sheets, tubes, wire, etc. (b)	5,697	13,677	7,075	3,506	7,754	9,612
Algeria—						
Rough copper	2,097	3,510	4,950	2,363	3,355	3,168
Scrap	—	—	1	1	11	57
Bars, sheets, wire, etc.	323	305	291	204	222	162
Sulphate	6,039	5,958	6,958	4,151	3,652	7,944
Angola—						
Bars, sheets and wire	143	107	172	95	245	110
Sulphate	7	9	5	10	20	10
Egypt—						
Crude and scrap	3,325	2,303	627	166	900	599
Bars, sheets, tubes, etc.	678	773	505	924	510	263
Sulphate	2,800	2,247	1,030	1,446	3,150	441
Morocco (French)—						
Ingots, sheets and wire (b)	876	(a)	895	339	547	(a)
Sulphate	249	1,272	432	99	220	(a)
Mozambique—						
Bars, sheets, wire and alloys	152	62	142	141	142	136
Tunis—						
Bars, sheets and wire (a)	(a)	89	(a)	73	108	183
Sulphate	(a)	154	(a)	373	1,187	518
Costa Rica—						
Bars, sheets and wire	12	(a)	(a)	351	303	193
Sulphate	7,249	(a)	(a)	10,931	9,618	14,535
Cuba (c)—						
Ingots and bars	252	140	377	129	163	(a)
Sheets, tubes and wire	1,401	1,271	2,717	1,476	1,377	(a)
Guatemala (c)—						
Sheets and wire	245	205	191	239	216	(a)
Sulphate and carbonate	5,353	7,931	6,952	7,336	5,649	5,543
Honduras (d)—						
Sulphate	(a)	11,202	12,212	13,714	10,005	(a)
Mexico (c)—						
Ingots	4	4	11	26	11	63
Bars, sheets, alloys, etc.	1,327	1,672	845	438	317	273
Sulphate	691	1,513	4,569	804	575	217
United States—						
<i>Cu content of—</i>						
Ore and concentrates	84,791	87,643	95,717	91,606	108,355	100,463
Matte, precipitate, etc.	1,141	1,929	3,600	5,895	4,838	5,702
Bliester	128,393	160,370	154,844	249,354	225,738	226,512
Refined ingots, bars and plates	288,373	219,780	310,123	245,324	192,035	179,986
Scrap	34,443	9,378	4,618	6,989	4,218	11,247
Sulphate	210	95	—	—	—	250

(a) Information not available.

(b) Including alloys.

(c) Total imports.

(d) Years ended June 30 of that stated.

IMPORTS OF COPPER, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Ingots, electrolytic ..	8,945	(a)	14,668	12,108	12,969	13,988
Sulphate ..	2,900	(a)	735	—	175	327
Brazil (total imports)—						
Electrolytic	17,254	19,177	16,877	18,693	34,419	14,174
Rough	3,844	2,303	2,449	653	2,439	509
Plates and sheets ..	982	984	1,197	629	1,833	381
Tubes, pipes and wire ..	(a)	1,616	2,201	808	3,364	301
Sulphate	(a)	3,441	2,278	5,225	5,361	2,525
Colombia (total imports)						
Ingots, sheets, etc. ..	375	157	228	147	399	244
Sulphate	4,573	7,523	8,819	4,178	6,254	4,760
Peru—						
Bars, sheets, etc. ..	395	536	688	474	267	343
Sulphate	583	399	416	744	558	649
Uruguay—						
Bars, sheets and alloys ..	620	259	459	793	(a)	(a)
Venezuela—						
Sheets	145	(a)	150	181	173	(a)
Sulphate	71	(a)	157	65	112	(a)
Formosa—						
Ingots	—	—	—	515	717	168
Sheets and wire ..	283	413	293	69	126	38
Indonesia—						
Bars and sheets ..	283	274	368	858	3,516	1,381
Tubes, pipes and wire ..	1,042	1,097	1,039	760	793	639
Sulphate	40	559	135	812	503	598
Iran (b)—						
Ingots, bars, sheets and alloys ..	(a)	534	220	942	2,455	(a)
Iraq—						
Sheets	200	71	93	205	384	(a)
Israel—						
Ingots and bars ..	1,838	1,114	866	826	—	—
Japan—						
Ore and concentrates ..	10,317	1,829	20,014	40,139	28,310	43,941
Ingots and slabs ..	(a)	(c) 3	(c) 154	555	7,620	40
Scrap	2	89	1,181	16,960	37,817	1,841
Turkey—						
Ingots, bars, and sheets ..	797	131	222	338	616	171
Sulphate	705	544	971	1,434	1,212	797

(a) Information not available.

(c) Including alloys.

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

DIAMONDS
PRODUCTION OF DIAMONDS*

(Metric carats)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Gold Coast (c)	1,187,915	1,752,879	2,189,557	2,180,728	2,135,459	2,258,270
Sierra Leone	655,485	474,821	452,618	481,709	400,076	418,077
Southern Rhodesia	—	40	48	6	2	—
South West Africa	504,604	502,983	537,450	610,332	683,560	812,848
Tanganyika	164,996	108,625	143,023	172,304	326,009	325,523
Union of South Africa	1,731,510	2,228,911	2,383,211	2,717,620	2,858,688	3,014,757
British Guiana	37,462	43,260	38,305	35,306	30,073	33,300
India	2,769	1,674	2,054	2,207	1,955	1,588
Australia (Industrial)	130	129	49	736	1,564	731
TOTAL	4,284,871	5,113,322	5,746,315	6,200,948	6,437,386	6,865,094
FOREIGN COUNTRIES						
Angola	538,867	734,324	743,302	729,376	721,606	743,377
Belgian Congo—						
Gem diamonds	543,342	537,652	594,988	564,072	527,737	628,298
Industrial do.	9,604,128	10,027,103	11,013,840	12,016,198	12,092,377	12,413,199
French Equatorial Africa	111,407	147,791	156,708	140,143	152,528	136,958
French West Africa	124,568	100,980	136,080	179,850	217,650	318,520
Brazil (b)	250,000	250,000	250,000	250,000	250,000	250,000
Venezuela	60,389	63,226	92,291	84,784	96,983	141,147
TOTAL	11,233,000	11,861,000	12,987,000	13,965,000	14,059,000	14,631,000
WORLD'S TOTAL	15,518,000	16,974,000	18,733,000	20,165,000	20,496,000	21,496,000

*For Values see next page.

Diamonds are known to have been produced in Liberia but exact quantities are not available.

(a) Information not available.

(b) Estimated.

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

		Companies	African diggers
1950	..	573,725	614,190
1951	..	876,116	876,763
1952	..	680,295	1,509,262
1953	..	930,793	1,249,935
1954	..	1,000,480	1,134,979
1955	..	1,186,827	1,071,443

PRODUCTION OF DIAMONDS*

(£ sterling)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Gold Coast (b)	2,312,000	5,930,000	5,921,000	3,677,000	4,277,000	5,452,000
Sierra Leone	1,884,519	1,367,805	1,584,163	1,685,982	1,400,265	1,567,787
Southern Rhodesia	—	200	478	50	30	—
South West Africa	6,631,551	9,586,261	10,494,864	10,861,923	12,987,648	13,809,000
Tanganyika (b)	2,042,703	1,313,383	1,731,768	1,784,036	3,070,451	3,228,212
Union of South Africa (d)	10,854,496	14,043,432	14,013,544	13,913,979	13,398,280	<u>17,236,795</u>
British Guiana (b)	287,259	385,706	308,738	288,591	247,158	280,952
India	31,347	40,087	35,881	42,132	35,576	26,998
Australia	216	206	94	3,850	9,800	5,600
TOTAL	24,044,000	32,667,000	34,091,000	32,258,000	35,426,000	41,607,000 ^c
FOREIGN COUNTRIES						
Angola	2,138,000	3,422,000	4,009,000	4,405,000	4,147,000	4,272,000
Belgian Congo—						
Gem diamonds	(b) 766,000	782,000	949,000	934,000	1,510,000	1,675,000
Industrial do.	(b) 2,920,000	3,474,000	4,807,000	5,231,000	7,608,000	7,863,000
French Equatorial Africa	727,000	501,000	905,000	898,000	1,053,000	822,000
French West Africa (b) (e)	202,400	398,900	574,900	678,900	881,500	1,098,900
Brazil (c)	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela	586,000	518,000	737,000	510,000	377,000	(b) 946,000
TOTAL (e)	8,339,000	10,096,000	12,982,000	13,657,000	16,577,000	17,677,000 ^d
WORLD'S TOTAL (e)	32,383,000	42,763,000	47,073,000	45,915,000	52,003,000	59,284,000 ^e

* For Quantities in Metric Carats see previous page.

- (a) Information not available.
- (b) Estimated on export value (f.o.b.).
- (c) An allowance has been made for this in the totals.
- (d) Estimated.
- (e) Revised.

Subsequently Corrected

SALES OF DIAMONDS

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

	(£ sterling)		
	Gems	Industrial	Total
1950	38,357,698	12,609,343	50,967,041
1951	46,780,632	18,277,333	65,057,965
1952	45,769,857	23,892,069	69,661,926
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 (Jan.-Nov.)	44,387,432	22,277,428	66,664,860

EXPORTS OF DIAMONDS
(Domestic Produce)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Gold Coast .. Ct.	944,103	1,768,013	2,133,873	2,164,262	2,125,708	2,276,531
£	1,837,452	5,981,816	5,399,885	3,924,755	4,272,684	5,529,624
Sierra Leone .. Ct.	638,312	477,130	423,327	416,742	443,598	401,423
£	1,555,994	1,371,749	1,217,059	1,198,133	1,699,875	1,400,478
South West Africa— Uncut .. Ct.	455,288	431,954	498,382	621,562	550,987	(d)
£ (S.A.)	6,704,978	9,671,800	11,765,279	13,584,782	12,068,070	(d)
Tanganyika— Gem diamonds.. Ct.	40,771	4,423	201,106	94,187	167,927	174,868
£	713,716	67,616	3,504,502	1,509,179	2,581,073	2,704,718
Industrial diamonds Ct.	29,796	4,165	130,237	76,322	161,985	147,739
£	110,159	21,337	541,689	256,339	526,168	494,719
Union of South Africa— Uncut (b) .. Ct.	2,919,842	4,483,279	812,199	916,202	818,559	e 1,451,928
£ (S.A.)	12,014,868	15,379,386	7,628,202	8,253,036	7,141,295	e 23,824,120
Cut and polished Ct.	113,591	116,819	110,277	92,780	109,556	109,901
£ (S.A.)	8,118,920	9,832,098	9,274,728	7,076,218	8,044,458	8,148,402
British Guiana Ct.	38,037	40,759	39,213	35,531	30,384	33,227
£	284,038	353,849	307,840	281,162	249,716	280,342
Hong Kong (re-exports)— Cut and polished £	(a)	(a)	491,004	71,397	256,020	822,454
Industrial .. £	(a)	(a)	(a)	(a)	7,976	4,721
Malaya (re-exports)— Cut and polished £	44,506	55,591	120,535	18,100	11,198	40,420
Australia (c)— Gem diamonds Ct.	—	—	—	—	513	59
£	—	—	—	—	12,524	4,560
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U.— Cut and polished Ct.	436,414	519,363	478,000	540,690	666,107	830,212
£	15,860,101	20,058,474	18,410,000	19,584,539	22,898,664	28,903,775
Industrial diamonds Ct.	1,600,524	1,130,214	682,000	1,197,469	271,272	116,875
£	2,949,692	3,698,520	2,418,000	4,770,569	3,455,646	4,118,842
France— Uncut £	321,533	478,662	90,110	160,249	132,651	110,983
Cut £	1,652,428	1,327,120	1,485,932	1,277,097	2,565,427	1,180,676
Industrial diamonds £	12,257	4,793	50,482	38,269	45,735	57,253
Netherlands .. £	6,714,000	5,870,000	5,582,000	7,620,000	6,803,000	7,246,000
Sweden— Industrial diamonds £	10,415	26,727	29,607	24,656	24,983	34,392
Angola Ct.	555,330	718,312	741,272	724,195	724,190	740,332
£	2,285,339	3,489,481	3,598,763	4,373,128	4,373,649	4,228,582

(a) Information not available.

(b) Figures up to and including 1951 relate to diamonds of mixed African origin, including South African diamonds, the proportion of which is unknown. The comparable figure for 1952 was 4,491,207 carats valued £17,710,235. Figures for 1952 onwards relate to known South African produce only.

(c) Years ended June 30 of that stated.

(d) Included with Union of South Africa.

(e) Including South West Africa.

EXPORTS OF DIAMONDS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Belgian Congo—						
Gem diamonds.. Ct.	536,307	617,216	530,168	588,530	628,089	637,696
£	758,491	893,973	844,533	992,119	948,252	1,519,120
Industrial diamonds Ct.	9,163,290	9,714,159	10,985,791	11,798,104	11,573,837	12,378,516
£	2,786,664	3,376,682	4,782,745	5,135,048	5,209,186	7,140,091
French Equatorial Africa—						
Ct.	135,600	147,461	145,112	137,113	150,676	150,294
£	456,000	500,600	640,000	836,000	1,029,000	1,098,600
French West Africa						
Ct.	128,960	(d) 88,575	(d) 118,050	183,080	223,478	295,660
£	210,000	351,000	499,000	692,000	907,000	1,021,000
Liberia (c) ..						
Ct.	(a)	(a)	(a)	(b) 1,187	19,305	203,543
£	(a)	(a)	(a)	(b) 1,642	49,000	221,000
United States—						
Uncut Ct.	4,234	712	6,971	12,963	15,087	39,631
£	32,054	10,498	59,220	147,562	145,789	281,404
Cut Ct.	6,388	6,050	3,331	4,765	7,138	5,825
£	696,679	685,886	515,487	1,011,412	645,399	981,657
Industrial diamonds Ct.	(a)	9,490	653	1,556	9,758	1,168
£	(a)	27,529	7,525	4,904	22,364	5,849
Dust Ct.	58,563	60,621	79,183	65,853	90,665	215,787
£	45,032	59,478	77,461	65,067	84,575	184,787
Brazil	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela .. Ct.	61,605	58,367	95,503	80,008	93,294	115,188
£	352,000	391,000	666,900	631,551	818,200	(a)
Israel—						
Polished .. Ct.	119,510	132,450	130,771	146,851	183,832	227,169
£	3,146,702	4,167,574	4,015,277	4,563,221	5,606,713	7,224,448
Industrial .. Ct.	(a)	(a)	(a)	(a)	1,246	2,368
£	(a)	(a)	(a)	(a)	15,687	22,738

(a) Information not available.

(b) May to August only.

(c) It is not known how much of these are of domestic origin.

(d) Revised.

IMPORTS OF DIAMONDS
(Less Re-exports)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom Ct.	13,126,346	14,320,172	16,323,493	17,200,576	17,074,599	18,066,889
(b) (f) £	24,534,741	31,381,368	38,643,805	38,373,736	39,604,236	46,399,171
Malta—						
Rough diamonds £	(a)	(a)	(a)	(a)	476	(a)
Cut and polished £	(a)	(a)	(a)	(a)	5,677	6,620
Kenya Ct.	77	357	47	54	16	—
£	1,899	7,468	2,848	2,795	884	—
Northern Rhodesia—						
Uncut Ct.	500	200	44	—	(a)	(a)
£	550	270	430	—	(a)	(a)
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.	2	—	—	9	—	(a)
£ (S.A.)	49	—	—	324	—	(a)
Zanzibar Ct.	(a)	110	53	94	63	4
£	(a)	4,632	2,660	3,709	3,103	(a)
Canada—						
Unset Ct.	44,297	40,624	39,756	50,986	44,033	53,307
£	2,280,063	2,296,503	2,072,417	2,521,631	2,255,971	2,889,440
Dust, bort, etc. Ct.	531,561	577,838	818,749	395,441	364,135	745,354
£	944,738	1,311,390	1,884,666	954,352	678,411	1,259,624
Bermuda £	(a)	(a)	264,989	(e) 164,682	(e) 300,311	(e) 285,080
Ceylon—						
Cut and polished Ct.	1,140	1,446	1,679	3,072	3,471	—
£	67,056	98,215	97,978	168,022	116,374	—
Industrial diamonds Ct.	(a)	(a)	(a)	86	—	—
£	(a)	(a)	(a)	5,023	—	—
Hong Kong (total imports)—						
Gem diamonds £	(a)	(a)	1,693,236	1,928,198	2,050,215	3,796,361
Industrial diamonds £	(a)	(a)	806	713	3,513	534
India £	893	—	2,200	6,885	66,031	72,430
Malaya (total imports)—						
Cut and polished £	36,916	4,886	13,585	6,683	29,701	34,596
Australia (a) (f)—						
Industrial diamonds Ct.	249,992	171,062	179,412	167,184	46,068	148,682
£	343,399	278,752	335,542	334,026	84,418	286,835
Other diamonds Ct.	75,439	40,484	16,898	9,104	18,955	17,213
£	622,204	1,045,066	589,641	260,782	766,136	767,394
New Zealand—						
Industrial diamonds £N.Z.	1,297	145	448	260	151	392
Other diamonds £N.Z.	122,602	283,459	104,198	178,609	202,926	182,406

(a) Information not available.

(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, Gold Coast, 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.)
1950	16,620,678	7,148,360	11,722,911	9,410,995
1951	13,030,077	6,248,213	11,924,024	14,426,085
1952 (f)	12,770,452	(f) 9,921,071	(f) 18,538,933	(f) 30,630,685
1953	14,753,841	11,632,081	(f) 16,669,270	(f) 24,479,193
1954	13,937,464	10,569,635	6,644,940	16,509,804
1955	13,565,121	8,558,469	(a)	(a)

(d) Years ended June 30 of that stated.

(e) Excess of re-exports.

(f) Revised.

IMPORTS OF DIAMONDS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U.—						
Rough diamonds Ct.	2,782,712	2,726,285	3,297,000	3,421,498	2,678,888	3,731,698
£	16,752,013	20,481,542	19,534,000	20,307,269	18,985,304	24,733,137
Cut diamonds .. Ct.	31,441	26,461	10,600	23,449	62,852	103,653
£	1,408,852	1,297,388	552,000	992,219	3,060,477	5,111,797
Industrial diamonds Ct.	514,669	863,389	(a)	(a)	(a)	(a)
£	445,805	855,729	(a)	(a)	(a)	(a)
France—						
Uncut Ct.	1,073,635	1,494,206	1,286,954	1,607,929	1,596,415	1,872,428
£	858,773	1,623,913	1,362,827	1,433,091	2,080,165	1,838,890
Cut and polished Industrial diamonds £	1,898	2,747	160	3,557	2,011	8,978
Netherlands Ct.	4,310,000	5,038,000	4,548,000	7,412,000	5,822,000	6,192,000
Norway Ct.	15,850	8,025	2,575	2,000	1,900	2,000
£	4,689	5,939	2,087	2,003	1,745	1,363
Sweden—						
Industrial diamonds £	520,014	405,318	344,928	334,298	308,534	430,525
Mexico—						
Industrial diamonds Ct.	231,195	320,600	313,710	33,405	33,695	37,955
£	21,826	24,278	21,095	12,713	11,569	7,356
United States—						
Uncut Ct.	673,699	697,981	709,043	733,630	888,001	1,064,932
£	15,570,379	17,394,578	18,707,033	20,288,480	21,161,795	27,503,651
Cut and polished Ct.	492,671	480,516	438,546	444,247	594,772	707,859
£	20,901,751	22,092,144	18,520,302	17,989,303	22,333,932	26,822,061
Industrial diamonds Ct.	11,035,061	12,051,961	13,452,819	12,765,495	13,776,235	14,944,633
£	13,461,933	16,377,068	18,228,549	16,672,352	17,075,562	23,518,246
Dust Ct.	128,715	166,760	224,429	749,290	181,418	152,732
£	74,231	168,391	284,212	749,983	178,967	155,957
Bort, manufactured Ct.	2,694	6,659	11,631	7,891	2,389	2,771
£	62,698	147,394	140,287	104,101	64,685	73,527
Israel—						
Rough diamonds Ct.	366,661	322,445	360,159	401,907	507,384	544,312
£	3,211,809	3,381,849	3,292,527	3,879,556	4,913,447	5,926,861
Industrial diamonds Ct.	12,026	5,935	3,455	389	934	458
£	91,478	68,058	55,507	4,381	7,205	5,922
Bort Ct.	81,057	126,410	120,067	107,122	143,690	44,500
£	54,454	176,471	184,005	138,774	118,964	52,913
Dust Ct.	6,552	2,700	14,860	15,495	1,600	2,900
£	4,860	2,648	12,545	14,681	1,247	1,349
Japan—						
Uncut Ct.	3,990	4,915	(a)	(a)	(a)	(a)
£		10,536	(a)	(a)	(a)	(a)
Cut Ct.	8,538	2,750	(a)	(a)	(a)	(a)
£		1,160	(a)	(a)	(a)	(a)
Industrial diamonds Ct.	(a)	47,220	66,900	103,545	123,005	171,365
£	(a)	161,000	248,000	292,000	296,000	389,594
Philippine Republic—						
Diamonds .. Ct.	2,440	645	—	421	—	—
£	20,376	4,400	3	300	—	21
Dust and bort .. Ct.	711	3	48	—	50	—
£	4,597	2	100	—	16	—

(a) Information not available.

DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	3,736	9,200	17,000	12,477	9,624	22,015
Northern Ireland	6,443	8,726	8,698	7,367	4,174	6,511
Kenya	2,572	4,218	5,932	4,378	3,258	2,950
Union of South Africa	429	—	1,062	107	935	759
Canada (shipments)	44	82	25	92	4	—
Australia	6,221	8,729	6,366	4,440	5,439	5,042
New Zealand	119	119	204	102	168	556
FOREIGN COUNTRIES						
Austria	3,233	3,832	3,839	3,067	3,150	3,966
Denmark—						
Diatomaceous earth	4,057	4,782	3,353	2,780	(a)	(a)
Moler (b)	70,000	95,000	100,000	100,000	110,000	110,000
Finland	1,009	1,324	1,103	1,773	1,220	(a)
France	35,943	70,182	61,800	68,070	60,796	61,000
Germany (Federal)	33,175	43,258	47,096	49,555	53,300	60,469
Italy	11,306	10,398	9,380	9,069	(b) 10,000	(b) 10,000
Sweden	1,752	1,818	1,547	1,342	904	1,451
Algeria	13,493	20,660	19,700	25,145	33,300	27,130
Egypt	1,045	2,709	710	104	156	344
Costa Rica	7	447	670	384	(a)	(a)
United States	(c) 244,700	(c) 244,700	(d) 270,172	(d) 270,172	(d) 270,172	(a)
Argentina	(a)	(a)	(a)	(a)	(a)	(b) 2,500
Chile	152	(a)	9,055	(a)	(a)	(a)

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

(a) Information not available.

(b) Estimated.

(c) Average annual production 1949–1951.

(d) Average annual production 1952–1954.

EXPORTS OF DIATOMACEOUS EARTH

(Domestic Produce)

(Long tons)

Exporting Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Kenya	(a)	(a)	(a)	(a)	682	887
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U.	1,042	1,185	296	64	93	127
Denmark—						
Diatomaceous earth ..	(a)	3,907	5,170	5,287	5,897	8,276
Moler	57,120	75,599	78,890	74,825	90,547	97,990
Moler bricks	6,618	9,654	8,699	11,293	8,787	16,043
Finland	18	—	—	—	26	—
France (b)	897	1,736	1,921	1,890	1,375	1,789
Germany (Federal) ..	1,815	3,892	5,780	5,921	1,947	2,549
Italy	140	33	137	416	496	1,005
Norway	207	20	—	—	1,635	—
Portugal	18	43	74	21	62	51
Sweden	118	31	36	10	15	26
Algeria (b)	11,112	14,570	10,435	12,376	14,890	18,425
Mozambique	—	89	—	—	—	—
Chile	143	278	31	86	(a)	(a)

(a) Information not available.

(b) Including tripoli etc.

IMPORTS OF DIATOMACEOUS EARTH

(Less Re-exports)

(Long tons)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b) ..	52,183	61,347	46,006	52,683	57,671	64,896
Union of South Africa ..	224	614	332	565	695	(a)
Canada	16,292	18,811	14,186	17,277	17,297	19,784
Australia (c) (d) ..	1,498	1,412	1,078	1,480	1,645	3,944
New Zealand	409	206	394	739	717	1,130
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	5,505	11,682	11,821	9,464	2,535	2,682
Denmark	314	104	163	280	271	350
Finland	164	599	338	374	704	1,414
France (incl. tripoli, etc.)	5,059	6,893	6,085	6,848	7,986	12,074
Germany (Federal) ..	14,828	31,513	42,651	40,267	53,583	57,674
Iceland	11	37	2	10	156	1,126
Italy	333	520	1,390	1,819	761	613
Netherlands	2,917	4,484	2,676	4,945	4,296	4,892
Norway	4,396	3,126	2,946	2,026	2,273	4,036
Portugal	96	297	101	117	171	242
Sweden	681	747	411	882	755	1,616
Yugoslavia	69	167	44	515	81	129
Algeria (incl. tripoli, etc.)	61	83	33	95	71	73
Egypt	26	54	453	1,219	957	1,026
Morocco (French) ..	(a)	(a)	768	1,087	597	(a)
Cuba (total imports) ..	5,116	3,558	2,338	3,012	2,029	(a)
Mexico (total imports) ..	2,540	2,390	1,969	4,214	2,894	3,848
Brazil (total imports) ..	(a)	(a)	(a)	77	879	21
Chile (incl. tripoli) ..	29	95	101	34	(a)	(a)
Colombia	(a)	186	333	686	429	507
Peru (incl. tripoli, etc.) ..	230	412	556	42	880	850
Venezuela (incl. tripoli, etc.)	300	(a)	635	896	1,140	(a)
Japan	(a)	37	1,078	4,018	2,009	1,898
Turkey	403	500	547	809	465	1,007

(a) Information not available.

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

1950	36,711	long tons
1951	42,735	" "
1952	34,782	" "
1953	34,496	" "
1954	42,774	" "
1955	45,484	" "

(c) Years ended June 30 of that stated.

(d) Revised.

FELSPAR

PRODUCTION OF FELSPAR

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain—						
China stone	68,364	69,888	69,817	62,309	63,960	63,305
Kenya	—	—	—	—	—	—
Southern Rhodesia ..	3,464	1,129	—	—	—	—
Union of South Africa ..	5,096	3,290	7,361	5,480	3,526	6,421
Canada	31,739	36,383	18,096	18,970	14,371	16,207
India	1,722	3,385	2,020	3,881	6,476	(a)
Australia (including china stone)	13,066	14,842	13,589	6,883	16,384	20,833
FOREIGN COUNTRIES						
Austria	3,847	3,701	2,538	1,332	2,137	2,510
Belgium	600	—	275	—	808	(a)
Finland	8,899	8,069	9,635	9,156	10,830	12,529
France	41,498	58,830	(d) 85,716	(d) 75,600	61,000	72,000
Germany (Federal) (c) ..	75,500	70,401	117,407	114,191	138,322	169,718
Italy	17,786	28,684	21,249	24,342	30,373	42,687
Norway—						
Unground	17,534	23,024	21,704	12,514	16,373	32,178
Ground	5,787	7,602	7,131	5,896	11,390	12,079
Portugal	—	463	689	59	—	(a)
Spain (b)	8,124	10,869	10,195	10,495	8,160	(a)
Sweden (sales)—						
Unground	18,005	25,955	33,105	24,413	35,328	31,781
Ground	17,457	15,089	14,010	12,920	16,166	18,321
Madagascar	—	—	—	24	—	—
United States (sales) ..	407,925	400,439	420,831	452,600	411,018	570,577
Argentina	(e) 7,000	(a)	(a)	(a)	(a)	(e) 5,000
Brazil	(e) 12,000	(a)	(a)	(a)	(a)	(a)
Chile	857	1,181	592	2,047	(a)	(a)
Peru	—	129	—	—	—	—
Uruguay	699	664	884	779	696	381
Japan	12,979	26,109	23,812	24,682	33,626	30,587
TOTAL*	770,000	820,000	890,000	890,000	910,000	1,130,000

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

(a) Information not available.

(b) In addition the following amounts were obtained from quarries (cubic metres): 1950—750; 1951—800.

(c) Including felspathic sand obtained as a by-product of china clay washing.

(d) Including pegmatite.

(e) Estimated.

EXPORTS OF FELSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Canada	13,808	17,707	5,679	6,114	943	1,273
Australia (b) (e)	126	582	465	616	187	235
FOREIGN COUNTRIES						
Austria	54	139	16	32	19	20
Finland	6,595	7,479	6,956	6,658	6,584	6,348
France	6,416	8,419	5,910	6,679	9,302	11,927
Germany (Federal)	6,373	(c) 28,653	(c) 67,397	(c) 61,125	(c) 59,597	(c) 52,479
Italy	(d) 303	1,711	1,370	2,048	3,241	5,815
Netherlands	1,402	2,793	2,244	2,109	3,257	5 700
Norway—						
Crude	14,505	25,018	21,503	16,464	15,988	28,416
Ground	6,012	5,907	3,896	4,844	8,836	8,940
Sweden	24,971	28,573	30,534	23,701	31,527	36,621
Israel	779	(a)	(a)	(a)	(a)	(a)
Japan	(a)	366	317	393	454	529

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including fluorspar.

(d) July to December only.

(e) Revised.

IMPORTS OF FELSPAR

(Less Re-exports)

(Long tons)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom	19,460	26,355	23,038	14,546	17,510	24,458
Canada	129	174	138	300	355	122
Australia (d) (e)	309	119	594	45	219	241
New Zealand	177	314	449	164	85	530
FOREIGN COUNTRIES						
Austria	199	265	715	340	593	1,240
Denmark	3,137	2,806	2,772	3,117	3,293	3,961
Finland	—	15	20	20	39	2
France	4,148	18,441	10,107	4,101	3,279	4,941
Germany (Federal)	6,021	(b) 6,639	(b) 12,092	(b) 10,200	(b) 21,025	(b) 27,622
Italy	(c) 25	1,076	950	1,420	1,430	2,400
Netherlands	10,761	14,064	8,428	10,676	13,432	16,746
Sweden	15	369	165	2	15	13
Yugoslavia	103	79	(a)	(a)	(a)	(a)
Algeria	(a)	316	422	210	463	401
Belgian Congo (b)	(a)	(a)	(a)	40	203	300
Morocco (French)	87	(a)	125	157	252	(a)
Mexico (total imports)	2,980	2,486	2,213	4,166	3,833	5,141
United States	12,367	17,128	5,576	5,999	977	1,359
Colombia (total imports) (b)	(a)	2	50	13	38	89
Venezuela (total imports)	(a)	(a)	88	140	202	(a)
Israel	779	296	484	592	1,050	1,066
Japan	(a)	—	2,991	1	184	33

(a) Information not available.

(b) Including fluorspar.

(c) July to December only.

(d) Years ended June 30 of that stated.

(e) Revised.

FLUORSPAR
PRODUCTION OF FLUORSPAR
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b) ..	63,008	74,754	75,823	79,128	82,685	85,924
Southern Rhodesia ..	440	109	—	333	107	429
South West Africa ..	71	767	4,348	5,037	2,737	603
Union of South Africa ..	6,838	12,087	10,128	14,312	19,639	29,321
Canada	57,333	66,260	73,381	79,079	106,222	117,614
Australia	576	489	86	333	19	282
FOREIGN COUNTRIES						
France	40,995	53,537	70,389	62,234	73,025	70,000
Germany—						
Federal Republic ..	88,308	141,471	154,853	166,762	179,070	161,558
East (c)	60,000	70,000	80,000	80,000	80,000	80,000
Italy	28,722	40,371	56,738	74,593	75,930	98,834
Norway	825	889	669	694	436	283
Spain	32,644	58,732	61,517	50,381	72,350	62,040
Sweden (sales) ..	4,216	5,007	4,398	4,262	3,697	1,303
Morocco (French) ..	39	1,937	3,252	2,846	1,060	10
Tunis	—	—	2,435	2,009	—	—
Mexico (e)	64,708	65,706	177,393	154,609	130,534	178,769
United States (d) ..	269,205	309,843	298,008	283,961	219,311	260,812
Argentina	4,921	7,087	7,037	(a)	(a)	(f) 11,000
Bolivia (e)	60	38	79	18	190	507
Brazil	(f) 600	(a)	(a)	(a)	(a)	(a)
Japan	2,386	3,933	3,890	6,434	6,046	5,123
Korea (South) ..	5,381	4,176	5,411	11,017	8,872	9,922
TOTAL* ..	850,000	1,040,000	1,210,000	1,210,000	1,200,000	1,310,000

* Including estimates for fluor spar produced in the U.S.S.R. and China.

(a) Information not available.

(b) Including fluor spar recovered from old lead and zinc mine dumps.

(c) United States Bureau of Mines' estimate.

(d) Shipments.

(e) Exports.

(f) Estimated.

EXPORTS OF FLUORSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
South West Africa ..	—	840	3,187	5,018	2,735	603
Union of South Africa ..	41	7,712	(d) 5,657	(d) 17,424	(d) 15,188	15,514
Canada	12,713	19,162	16,674	21,400	53,471	52,134
FOREIGN COUNTRIES						
France	3,670	2,831	2,284	3,053	3,859	4,035
Germany (Federal) ..	53,601	(b) 79,856	(b) 67,397	(b) 61,125	(b) 59,597	(b) 52,479
Italy	(c) 3,303	21,133	34,073	48,934	40,858	83,872
Norway	169	239	195	81	—	—
Spain	(a)	(a)	(a)	53,375	47,168	59,789
Sweden	34	26	52	48	69	14
Morocco (French) ..	(a)	522	2,047	3,060	144	203
Tunis	708	10	2,057	2,247	—	—
Mexico	64,708	65,706	177,393	154,609	130,534	178,769
United States	614	976	603	685	574	780
Bolivia	60	38	79	18	190	507
Korea (South)	4,666	2,539	3,682	4,870	15,007	7,585

(a) Information not available.

(b) Including felspar.

(c) July to December only.

(d) Revised.

IMPORTS OF FLUORSPAR

(Less Re-exports)

(Long tons)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Canada	1,404	7,311	20,280	18,001	14,500	19,393
Australia (c) (d) ..	32	1,102	1,003	517	713	543
New Zealand	5	5	24	12	10	(a)
FOREIGN COUNTRIES						
Austria	6,665	7,229	3,667	4,987	7,855	10,406
Denmark	575	711	394	1,046	815	1,075
France	720	—	635	280	296	98
Germany (Federal) (b) ..	—	1,187	12,092	10,200	21,025	27,622
Netherlands	2,825	3,015	3,600	7,727	8,225	5,939
Norway	1,758	234	130	491	415	1,000
Portugal	34	32	20	40	84	102
Sweden	2,145	6,152	4,388	6,892	5,078	6,849
Yugoslavia	(a)	(a)	(a)	495	595	1,016
Algeria	—	71	83	147	157	159
Belgian Congo	30	82	(a)	(b) 40	(b) 203	(b) 300
Mexico (total imports) ..	5	37	4	10	4	—
United States	146,995	161,852	314,436	322,162	261,893	324,477
Brazil (total imports) ..	(a)	(a)	(a)	295	1,552	(a)
Colombia (total imports) (b) ..	(a)	2	50	13	38	89
Peru	278	790	200	371	110	245
Japan	6,152	47,683	10,424	19,500	30,566	30,849

(a) Information not available.

(b) Including felspar.

(c) Years ended June 30 of that stated.

(d) Revised.

FULLER'S EARTH
PRODUCTION OF FULLER'S EARTH
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Union of South Africa ..	2,079	2,504	1,704	894	1,576	2,233
India	4,560	4,000	8,132	4,871	1,333	(a)
Australia	40	60	110	106	73	71
FOREIGN COUNTRIES						
United States (sales) ..	353,594	431,806	377,547	389,140	356,995	330,106

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

EXPORTS OF FULLER'S EARTH*
(Long tons)

Exporting Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Australia	—	—	—	3	(b) 5	—
FOREIGN COUNTRIES						
Italy	(d) 85	181	56	679	401	130
United States (c) ..	14,600	31,200	23,200	16,100	(a)	(a)

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

(a) Information not available.

(b) Year ended June 30 of that stated.

(c) As recorded by producers.

(d) July to December only.

IMPORTS OF FULLER'S EARTH
(Less Re-exports)
(Long tons)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Union of South Africa ..	336	669	596	657	940	(a)
Canada	(£39,211)	(£45,009)	(£62,798)	(£49,756)	(£43,849)	(£40,862)
Ceylon	4	36	61	58	98	110
Australia (d) (e) ..	680	391	390	31	154	268
New Zealand	196	89	126	122	237	179
FOREIGN COUNTRIES						
Austria	509	587	416	(c) 732	(c) 713	(c) 1,532
Italy	(b) 443	340	599	755	676	1,188
Belgian Congo	1,242	725	(a)	(a)	(a)	(a)
Mexico (total imports) ..	1,739	3,948	2,681	2,597	2,795	3,511
United States—						
Crude	—	36	18	—	—	—
Prepared	212	326	122	198	—	—
Chile	7	28	41	13	(a)	(a)
Peru	632	437	374	324	500	744
Venezuela	(a)	(a)	388	108	602	(a)
Philippine Republic ..	237	216	14	198	322	490

(a) Information not available.

(b) July to December only.

(c) Including bentonite and other similar clays.

(d) Years ended June 30 of that stated.

(e) Revised.

GOLD

PRODUCTION OF GOLD

(Metal content)

(Fine troy ounces)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Anglo-Egyptian Sudan	3,533	1,495	1,545	2,175	1,554	(a)
Bechuanaland Protectorate	264	493	1,245	1,109	1,216	560
Gold Coast	689,429	698,676	691,460	730,963	787,075	687,151
Kenya	22,946	19,765	10,210	9,603	6,607	9,528
Nigeria	2,237	1,588	1,079	689	730	688
Northern Rhodesia	1,432	857	2,523	3,308	2,648	2,214
Southern Rhodesia	511,163	486,907	496,731	501,057	535,852	524,701
Sierra Leone	3,484	3,261	2,638	1,412	210	271
Swaziland	1,794	322	1	—	—	—
Tanganyika (c)	66,615	64,534	68,274	74,070	73,756	75,100
Uganda (b)	509	184	166	429	456	354
Union of South Africa	11,663,713	11,516,450	11,818,681	11,940,616	13,237,119	14,601,404
Canada	4,441,227	4,392,751	4,471,725	4,055,723	4,366,440	4,556,400
British Guiana	12,366	13,485	22,237	19,247	25,726	22,479
India	196,925	226,364	253,264	223,376	239,168	211,464
Malaya (estimated)	17,600	16,200	18,800	17,400	19,900	21,600
Sarawak	1,440	931	843	417	531	463
Australia	867,837	895,551	980,435	1,075,450	1,117,742	1,049,011
Fiji	103,423	95,635	78,282	76,970	72,340	74,187
New Guinea and Papua	81,764	94,438	127,580	120,848	86,728	79,092
New Zealand	76,527	75,115	59,151	38,656	41,713	26,443
TOTAL	18,766,000	18,605,000	19,107,000	18,893,000	20,618,000	21,945,000
FOREIGN COUNTRIES						
Finland	6,559	18,069	19,741	19,483	16,976	18,808
France	63,755	68,127	68,735	64,687	15,947	28,900
Germany	(a)	1,479	2,025	6,430	(a)	(a)
Greece	—	—	—	2,048	7,620	6,655
Italy	11,989	13,564	16,731	13,876	5,973	6,160
Portugal	15,465	18,358	17,940	14,854	22,055	28,807
Roumania	(a)	(a)	(a)	(a)	(a)	(a)
Sweden	78,866	70,474	65,877	88,254	110,277	98,767
Angola	201	61	40	20	35	57
Belgian Congo	339,415	352,308	368,769	371,020	365,490	369,926
Cameroon (French)	6,381	4,835	2,318	950	686	518
Egypt	10,724	14,037	17,078	14,452	17,387	6,524
Eritrea	1,109	675	699	1,363	1,484	(a)

(a) Information not available.

(b) Exports.

(c) Including gold in lead concentrates exported amounting to 114 ounces in 1950, 814 ounces in 1951, 2,738 ounces in 1952, 3,827 ounces in 1953, 3,051 ounces in 1954 and 6,100 ounces (estimated) in 1955.

PRODUCTION OF GOLD (cont.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Ethiopia (b)	43,524	32,938	27,291	26,696	33,894	(a)
French Equatorial Africa	48,947	47,036	45,971	48,220	40,317	43,295
French West Africa (f) ..	4,326	1,765	1,331	1,460	362	518
Liberia (c)	12,110	9,806	949	863	1,135	672
Madagascar	1,742	1,753	1,606	1,554	1,363	981
Morocco (French)	119	2,058	4,051	2,537	3,568	4,276
Mozambique	996	861	831	1,034	2,027	(a)
Costa Rica	(e) 115	(e) 1	(d) 2,000	(d) 6,500	(d) 5,700	(d) 300
Cuba (e)	6,915	835	881	1,181	677	(a)
Dominican Republic	(c) 534	(c) 460	332	—	—	(a)
Guatemala (e)	397	7	4	3	1	(a)
Honduras	30,380	31,216	35,040	38,988	(h) 49,516	(a)
Mexico	408,122	393,429	459,370	483,483	386,902	382,872
Nicaragua	231,037	251,869	254,059	261,899	232,212	237,376
Panama	1,118	2,712	—	—	—	—
Salvador	27,547	24,225	25,732	19,934	5,326	3,818
United States	2,394,231	1,980,512	1,893,261	1,958,291	1,837,310	1,884,186
Argentina (d)	8,000	8,000	8,000	8,000	8,000	6,000
Bolivia	1,736	1,275	9,000	1,029	(i) 215,121	73,816
Brazil	131,207	135,837	136,764	115,871	119,536	109,859
Chile	186,474	174,964	177,054	130,693	124,970	122,877
Colombia	406,319	430,723	422,240	437,295	377,467	380,824
Dutch Guiana	4,546	6,494	6,129	6,482	6,771	7,202
Ecuador	96,908	12,683	24,267	29,239	18,479	15,289
French Guiana	12,414	9,005	5,927	(c) 4,384	1,371	8,700
Peru	(g) 147,964	(g) 158,270	(g) 134,865	141,193	147,424	160,310
Venezuela	34,462	2,861	4,476	27,304	56,074	61,140
Burma	150	173	43	567	170	124
Formosa	21,820	26,730	28,109	21,551	23,116	28,100
Japan	135,033	177,472	200,936	228,255	243,149	240,732
Korea (South)	25,946	7,620	18,390	15,850	52,406	47,037
Philippine Republic	333,991	393,600	469,408	480,625	416,052	419,112
Saudi Arabia	66,202	73,104	69,394	81,566	31,240	—
* TOTAL	5,400,000	5,100,000	5,200,000	5,300,000	5,100,000	5,000,000
* WORLD'S TOTAL (excl. U.S.S.R.)	24,200,000	23,700,000	24,300,000	24,200,000	25,700,000	26,900,000

* 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 U.S. Bureau of Mines has estimated the production at 9 million ounces in recent years.

- (a) Information not available.
- (b) Annual Report of the U.S. Mint.
- (c) Exports.
- (d) Estimated.
- (e) Imports into the United States.
- (f) European producers only.
- (g) Including gold recovered from anode residues.
- (h) Year ended June 30 of that stated.
- (i) Revised.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (f)—						
Bullion—						
Unrefined	—	—	—	2,411	—	—
Refined	4,934,669	2,925,914	5,839,099	6,222,000	5,720,786	6,749,299
Coin	157,000	421,000	732,000	207,000	47,000	58,000
Anglo-Egyptian Sudan*—						
Bullion	—	—	—	200	100	400
Gold Coast—						
Bullion	705,182	692,301	705,815	730,156	787,874	723,905
Kenya*—						
Bullion	28,700	25,300	15,000	10,600	7,000	9,700
Nigeria—						
Bullion	15	347	5	59	379	200
Northern Rhodesia—						
Bullion	169	79	4	—	(b)	(b)
Sierra Leone*—						
Bullion	2,400	1,900	2,000	3,000	2,100	200
Southern Rhodesia—						
Concentrates, etc.* ..	6,400	3,900	5,300	4,900	(c) 5,000	(c) 1,300
Bullion	516,361	484,354	501,835	505,558	(c) 522,555	(c) 515,699
South West Africa—						
Bullion	25	—	—	(a)	(a)	(a)
Tanganyika—						
Concentrates	114	814	2,738	3,837	3,141	(h) 6,100
Bullion (refined) ..	65,127	65,583	64,693	69,876	71,357	68,892
Uganda—						
Bullion	509	184	166	429	456	354
Union of South Africa—						
Ore and concentrates* ..	11,900	16,500	11,000	8,900	5,800	3,700
Bullion	6,491,000	6,847,000	7,597,000	7,947,000	12,535,000	14,203,000
Gold products	3,078,000	4,756,000	4,825,000	4,044,000	—	—
British Guiana—						
Bullion	10,278	9,184	15,007	11,357	16,196	13,204
Aden (f)*—						
Bullion and coin ..	1,200	—	70	—	—	—
India (d)—						
Bullion	410	1,206	—	4	1,019	—
Malaya—						
Bullion	17,800*	20,700*	13,449	14,806	19,849	13,900
Hong Kong*—						
Bullion (f)	1,600	4,600	2,600	106,000	1,554,000	1,691,000
Sarawak—						
Bullion	1,496	1,012	777	512	530	477
Australia— (e) (g)						
Ores, etc.	8,257	10,662	14,503	12,441	12,526	11,133
Bullion, refined	84	19	416,652	1,243,953	871,253	855,688
do. unrefined .. ..							8,703

* 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) Information not available.

(b) See under Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

(d) Sea-borne trade only.

(e) Years ended June 30 of that stated.

(f) Including foreign produce.

(g) Revised.

(h) Estimated.

EXPORTS OF GOLD (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Fiji—						
Bullion	103,111	93,700	80,189	70,467	78,411	73,989
New Guinea (b)—						
Bullion	85,052	87,593	110,214	138,694	90,857	85,726
New Zealand—						
Auriferous quartz, etc.	114	—	112	90	830	1,295
Bullion, etc.* ..	104,000	67,000	64,000	41,000	38,000	19,000
Sweepings and scrap ..	1,181	636	409	—	(a)	(a)
Papua (b)—						
Bullion	788	248	146	141	280	(a)
Irish Republic*—						
Bullion (c)	500	800	1,200	1,600	2,000	200
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.*(c)—						
Bullion and scrap ..	(a)	114,000	(a)	246,000	83,600	42,000
Denmark (c)—						
Beaten, rolled or drawn	1,500	(a)	(a)	(a)	(a)	(a)
France (c)—						
Bullion and scrap ..	3,639,000	3,202,000	2,254,000	1,391,000	894,000	2,418,000
Coin	957,000	1,280,000	1,738,000	1,426,000	194,000	120,000
Beaten, rolled or drawn	947,000	1,898,000	1,276,000	109,000	41,000	58,000
Germany (Federal) (e)						
Unwrought	(a)	(a)	(a)	(a)	330,000	60,000
Italy (c)—						
Bullion and scrap ..	} 350	200	350	1,500	1,200	1,500
Beaten, rolled or drawn						
Netherlands (c)—						
Bullion, etc.	1,405,000	1,633,000	1,712,000	2,367,000	1,783,000	581,000
Coin	580,000	439,000	319,000	61,000	2,700	75
Sweden* (c)—						
Bullion	50,000	90,000	142,000	102,000	37,000	13,000
Switzerland (c)—						
Unwrought	(a)	(a)	7,700	10,600	48,000	44,000
Belgian Congo—						
Bullion	343,000	365,000	400,000	381,000	363,000	373,000
Cameroon (French)—						
Bullion	4,700	4,200	2,600	1,000	1,200	900
Ethiopia	16,500	(a)	10,000	(a)	(a)	(a)
French Equatorial Africa						
Bullion	46,000	45,000	39,000	30,000	40,000	43,000
French West Africa—						
Bullion	20,700	8,100	1,100	1,300	200	—
Liberia—						
Bullion	12,110	9,806	949	863	1,135	672
Madagascar—						
Bullion	10	900	—	60	38	31
Mozambique—						
Bullion	—	—	—	300	1,000	1,100

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including foreign produce.

EXPORTS OF GOLD (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955	
FOREIGN COUNTRIES							
<i>(cont.)</i>							
Dominican Republic—							
Bullion and scrap ..	534	460	332	(a)	(a)	(a)	
Guatemala—							
Bullion, etc.	400	—	—	—	—	—	
Honduras (b)—							
Bullion, etc.	25,000	33,600	(a)	36,455	49,516	(a)	
Mexico—							
Bullion	141,000	548,000	76,000	91,000	65,700	56,000	
Nicaragua—							
Concentrates	230,103	250,534	254,675	259,061	233,149	229,601	
Precipitates							
Panama—							
Bullion	886	(a)	945	—	(a)	(a)	
Salvador—							
Bullion, etc.	29,053	27,097	27,682	23,438	—	3,926	
United States—							
Ore and base bullion ..	725	17,549,222	1,835	1,280,000	608,000	199,000	
Refined bullion	14,633,178						782,526
Coin	(a)						766,000
Argentina (c)—							
Bullion and coin	14,100	629,000	355,000	—	—	400	
Bolivia—							
Ore	1,737	1,275	1,190	1,032	804	73,816	
Bullion	—	—	7,845	—	214,317		
Chile—							
Ores and concentrates ..	(a)	19,712	48,841	63,104	68,897	(a)	
Colombia—							
Bullion	—	527,000	250,000	257,825	339,375	364,039	
Dutch Guiana—							
Bullion	4,533	6,400	6,000	6,500	—	7,200	
French Guiana—							
Bullion	12,400	9,000	7,000	4,384	1,200	8,200	
Peru—							
Ores, concentrates, etc.	11,000	17,000	19,000	17,000	24,000	29,000	
Bullion, etc.	106,000	105,000	108,000	80,000	51,000	52,000	
Venezuela—							
Bullion	(a)	2,400	1,100	1,400	3,000	(a)	
Philippine Republic—							
Concentrates and matte	14,200	1,400	12,000	38,841	23,870	6,001	
Bullion etc.	15,000	75,000	116,000	33,969	24,551	110,922	
Saudi Arabia—							
Bullion	10,296	(a)	(a)	(a)	(a)	(a)	

(a) Information not available.

(c) Including foreign produce.

(b) Years ended June 30 of that stated.

TOTAL IMPORTS OF GOLD*

(Metal content)

(Fine troy ounces)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore, etc.*	68,000	218,000	410,000	346,000	48,000	46,000
Bullion—						
Unrefined	1,577,794	2,603,153	3,219,019	2,418,568	1,733,127	1,651,966
Refined	6,637,164	5,765,075	9,494,870	9,275,064	14,309,297	14,837,704
Coin	35,000	280,000	34,000	9,000	21,000	20,000
Malta*—						
Bullion and coin ..	3,300	4,600	7,300	5,600	7,300	7,200
Anglo-Egyptian Sudan*—						
Bullion	57	36	—	260	(a)	(a)
Gold Coast—						
Bullion	—	274	—	270	—	250
Kenya*—						
Bullion	1,100	3,300	2,700	2,700	700	1,500
Southern Rhodesia*—						
Concentrates	9,100	9,500	7,800	200	100	100
Tanganyika Territory*—						
Bullion	194	600	160	640	110	150
Uganda*—						
Bullion	1,328	1,100	1,200	1,200	500	1,000
Zanzibar*—						
Bullion	1,000	1,400	1,100	800	300	1,200
Canada*—						
Bullion, etc. (b) ..	1,700	7,400	(a)	(a)	(a)	(a)
British West Indies—						
Jamaica*—						
Bullion	40	80	200	600	(a)	} 100
Coin	20	(a)	(a)	(a)	(a)	
Trinidad and Tobago*—						
Bullion	400	20	230	530	1,000	1,500
Ceylon*—						
Bullion	9,500	12,000	14,000	12,000	20	8,500
Cyprus*—						
Bullion	280	360	390	270	170	200
Hong Kong*—						
Bullion	60	—	—	105,000	1,564,000	1,776,000
Coin	—	—	—	—	11,000	41,000
India—						
Bullion	7,107	4,254	35,960	1,255	2,139	3,028
Coin	1	103	400	119	65	14
Malaya—						
Bullion	1,200	1,027	896	658	532	476
Sarawak—						
Bullion	(a)	3	7	510	(c) 1,100*	(c) 4,200*
Australia (d) (e)—						
Bullion	139,208	158,661	208,127	228,387	189,629	175,039
Fiji—						
Bullion	6	—	8	40	56	33
New Zealand—						
Concentrates	25	11	16	53	78	9
Bullion	537	484	556	509	787	594
Beaten, rolled or drawn*	400	280	140	220	170	163
Irish Republic*—						
Bullion	—	7,300	—	—	—	—

* See note on page 127.

(a) Information not available.

(b) Gold for commercial purposes only.

(c) Including coin.

(d) Years ended June 30 of that stated.

(e) Revised.

IMPORTS OF GOLD (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES*						
Belgium-Luxemburg						
E.U.—						
Bullion, scrap, etc. ..	(a)	449,600	(a)	414,000	418,000	407,000
Denmark—						
Beaten, rolled or drawn	17,000	(a)	(a)	(a)	(a)	(a)
Finland—						
Bullion	30	9,200	200	—	143,000	700
Sheet and wire ..	700	100	20	20	161	170
France—						
Bullion and scrap ..	2,163,000	1,398,000	1,977,000	1,754,000	608,500	152,000
Coin	(a)	576,000	744,000	305,000	77,000	28,000
Beaten, rolled or drawn	777,000	2,066,000	2,421,000	1,689,000	32	100
Germany (Federal)—						
Unwrought	(a)	(a)	(a)	(a)	861,000	808,000
Italy—						
Bullion, scrap, beaten, rolled or drawn ..	918,000	36,700	24,000	32,000	56,700	47,000
Coin	1,026,000	1,274,000	186,000	—	—	—
Netherlands—						
Bullion	883,000	1,646,000	1,212,000	2,218,000	1,757,000	314,000
Coin	10,000	8,000	256,000	344,000	4,000	5,000
Norway—						
Sheets and rolled	200	150	200	1,200	1,300	(a)
Sweden—						
Bullion	8,000	6,000	116,000	90,000	6,000	7,400
Switzerland—						
Unwrought	(a)	31,100	78,400	108,500	30,000	27,000
Algeria—						
Bullion	(a)	127,500	157,000	127,000	116,000	119,000
Coin	(a)	54,000	93,500	68,000	46,000	51,000
Beaten, rolled or drawn	8,000	10,000	16,800	17,000	18,000	22,000
Egypt—						
Bullion	503,000	3,450,000	322,000	8,500	7,000	800
Coin	189,000	42,000	2,900	3,800	100	100
Mozambique—						
Bullion	82,000	82,000	98,000	99,000	106,000	113,000
Mexico—						
Bullion	2,000	650,000	500	600	1,000	1,000
United States—						
Ore and base bullion ..	905,873	729,627	630,714	} 1,344,000	1,081,000	2,988,000
Refined bullion ..	3,745,678	1,593,053	20,508,873			
Coin	(a)	180	2,500			
Brazil—						
Bullion	(a)	40	2,000	100	76,000	16,000
Uruguay—						
Bullion and scrap ..	(a)	(a)	(a)	269,522	20,610	(a)
Philippine Republic—						
Bullion	(a)	7,000	101,000	172,864	105,771	(a)
Syria—						
Bullion and scrap (b) ..	(a)	102,000	105,000	170,000	264,000	359,000

(a) Information not available.

(b) Gross weight.

GRAPHITE

PRODUCTION OF GRAPHITE

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Kenya	—	—	34	183	310	216
South West Africa (crude)	1,358	2,585	1,165	—	103	903
Tanganyika (crude) ..	—	25	—	19	—	—
Union of South Africa ..	240	323	347	369	1,246	1,633
Canada (sales)	3,202	1,401	1,821	3,095	2,199	—
Ceylon (exports)	12,844	12,621	7,659	7,218	7,728	9,878
Hong Kong	—	—	—	200	1,840	1,535
India	1,586	1,735	2,881	767	1,479	(a)
Australia	145	46	80	15	70	22
FOREIGN COUNTRIES						
Austria (crude)	14,454	17,939	19,499	14,451	17,128	17,533
Czechoslovakia (crude)	(b) 15,000	(a)	(a)	(a)	(a)	(a)
Germany (Federal) ..	6,517	10,687	8,821	7,341	9,328	10,317
Italy	4,450	4,443	4,319	5,117	3,696	2,710
Norway	2,426	3,398	4,056	2,906	3,565	5,330
Spain	305	270	771	314	403	319
Sweden (crude)	—	—	—	—	—	276
Madagascar—						
Flake	9,784	12,514	14,158	9,533	7,620	9,567
Powder	4,008	5,533	4,028	3,723	4,241	4,892
Morocco (French)	73	128	21	97	—	—
Morocco (Spanish) ..	3	—	16	—	—	115
Mozambique	—	239	—	—	—	—
Mexico	24,238	32,761	23,772	29,852	21,440	28,877
United States	4,555	6,371	5,005	5,608	(a)	(a)
Argentina	(a)	(a)	(a)	(a)	(a)	2
Brazil	464	600	838	579	900	767
Japan	3,947	4,786	4,577	4,007	4,031	3,073
Korea (South)—						
Flake	245	—	250	673	703	—
Other	15,877	21,237	14,578	19,630	12,997	88,596
TOTAL*	129,000	150,000	133,000	130,000	120,000	210,000

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

(a) Information not available.

(b) Estimated.

EXPORTS OF GRAPHITE

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Crucibles	2,889	3,905	3,072	1,813	2,068	2,829
Kenya	(a)	(a)	(a)	(a)	352	338
South West Africa	671	2,628	1,437	—	39	676
Tanganyika (crude)	—	25	—	19	—	—
Union of South Africa	137	595	75	98	—	—
Canada	2,717	1,028	1,505	2,904	1,925	7
Ceylon	12,844	12,621	7,659	7,218	7,728	9,878
Hong Kong (e)	1,185	1,838	150	119	1,565	2,014
Australia (c) (d)	72	63	53	18	17	15
FOREIGN COUNTRIES						
Austria	9,644	12,696	13,277	9,956	12,583	12,418
Belgium-Luxemburg						
E.U.	62	73	24	10	68	33
Denmark	(b) 36	(b) 84	131	2	7	20
France	435	608	532	329	549	749
Germany (Federal)	4,088	4,818	5,005	4,649	4,470	4,909
Italy	1,444	2,025	1,680	1,583	1,514	1,680
Netherlands	366	254	241	174	162	446
Norway	1,872	3,589	3,753	2,789	3,117	5,241
Sweden	7	—	—	—	—	1
Madagascar	11,895	17,383	17,203	13,393	12,538	16,507
Morocco (French)	39	32	44	37	53	24
Morocco (Spanish)	(a)	12	16	(a)	194	(a)
Mozambique	—	239	25	—	—	40
Mexico	25,313	32,761	23,772	30,897	21,367	29,768
United States	1,248	1,344	1,594	1,572	713	1,244
Brazil	(a)	59	136	—	104	5
Japan	139	287	518	297	585	691
Korea (South)	4,296	27,481	35,728	15,487	31,559	59,589

(a) Information not available.

(c)

(b) Including artificial graphite.

(c) Years ended June 30 of that stated.

(d) Revised.

(e) Including re-exports.

IMPORTS OF GRAPHITE

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Natural	10,693	13,532	9,636	7,883	8,082	12,167
Artificial	2	10	25	—	48	1,321
Mauritius—						
Crucibles	3	2	4	3	4	5
Southern Rhodesia	71	55	20	38	(b) 56	(b) 83
Union of South Africa	548	2,101	1,368	92	141	(a)
Canada—						
Unground	(£23,500)	(£32,788)	(£35,772)	(£45,394)	(£19,921)	(£23,563)
Ground, including manufactures	(£108,698)	(£161,529)	(£159,212)	(£174,001)	(£201,034)	(£204,143)
Crucibles	(£53,994)	(£72,982)	(£78,179)	(£78,363)	(£57,332)	(£73,769)
Cyprus	2	2	2	(a)	(a)	(a)
Hong Kong (total imports)	1,419	1,434	1,768	3,298	829	503
India—						
Graphite	667	688	326	634	384	692
Crucibles	214	396	82	160	195	86
Malaya (total imports)	(a)	(a)	(a)	(a)	53	123
Pakistan (c)—						
Graphite	(a)	13	26	39	85	17
Crucibles	(a)	128	23	(a)	64	36
Australia (e) (f)	472	1,238	1,346	613	2,155	4,206
New Zealand	77	96	63	27	30	48
Irish Republic	39	50	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Graphite	220	279	274	163	177	641
Crucibles, etc.	202	257	184	116	146	196
Belgium-Luxemburg						
E.U.—						
Crude and ground	1,788	2,247	2,043	1,465	1,637	2,311
Denmark—						
Graphite	(d) 901	(d) 721	578	505	698	1,143
Crucibles	60	119	82	62	93	102
Finland	214	303	197	204	359	341
France	3,322	5,136	4,897	3,626	3,776	5,060
Germany (Federal)	3,683	5,251	5,250	5,621	7,320	10,176
Italy	3,636	3,375	4,853	2,483	2,792	2,564
Netherlands (d)	1,006	1,531	1,184	1,047	990	888
Norway—						
Graphite	69	85	157	179	198	220
Crucibles, etc.	132	133	123	73	96	97
Portugal	97	45	88	69	29	51
Sweden	1,068	959	909	593	733	905
Yugoslavia	1,017	1,473	1,006	933	1,031	1,129
Algeria	16	11	14	7	1	6
Egypt	163	276	93	52	183	244

(a) Information not available.

(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.

(f) Revised.

IMPORTS OF GRAPHITE (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Tunis—						
Graphite	(a)	6	(a)	2	6	3
Crucibles	(a)	5	(a)	(a)	(a)	(a)
Mexico—						
Graphite	193	84	266	180	190	209
Crucibles	107	175	184	110	128	240
United States (b)	38,827	48,564	37,899	45,572	36,225	43,361
Argentina	363	(a)	1,461	298	697	800
Brazil (total imports)—						
Graphite	(a)	171	158	—	4	5
Crucibles	(a)	391	239	60	518	173
Chile	79	163	84	34	(a)	(a)
Colombia (total imports) (c)	(a)	162	149	11	22	18
Peru	10	17	16	29	40	127
Uruguay	31	21	6	15	(a)	(a)
Venezuela (total imports)	11	(a)	16	46	28	(a)
Formosa	(a)	(a)	235	1,010	1,921	(a)
Indonesia (c)	226	398	278	215	138	276
Israel—						
Crucibles	37	35	45	48	37	42
Lebanon (c)	29	11	4	11	10	20
Japan	4,221	33,389	25,873	14,999	34,944	86,372
Philippine Republic	280	82	112	68	79	55
Siam (total imports)	(a)	(a)	(a)	154	209	(a)
Syria (c)	33	5	(a)	15	5	(a)
Turkey—						
Graphite	124	95	52	52	28	34
Crucibles, etc.	40	164	89	46	34	78

(a) Information not available.

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

Year	Long tons
1950	164
1951	80
1952	301
1953	252
1954	239
1955	211

(c) Including artificial graphite.

GYPSUM
PRODUCTION OF GYPSUM
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain—						
Gypsum	1,167,400	1,237,200	1,358,400	1,521,600	1,653,600	1,580,400
Anhydrite	1,038,900	1,047,200	1,035,400	1,152,400	1,107,800	1,335,700
Northern Ireland	—	170	—	—	—	—
Anglo-Egyptian Sudan	—	5,485	3,535	7,327	3,375	(a)
Kenya	—	82	1,593	841	503	851
Tanganyika	—	—	(c) 495	1,158	6,342	7,502
Union of South Africa	115,038	120,129	144,688	150,042	155,073	159,108
Canada (b)	3,375,188	3,507,479	3,173,140	3,427,714	3,735,873	4,053,268
Jamaica	23,000	26,744	44,900	74,093	(e) 160,000	(c) 82,155
Ceylon	—	410	675	428	229	114
Cyprus (e)	122,000	70,000	110,000	190,000	200,000	160,000
India	206,366	203,612	411,204	585,839	612,120	(a)
Pakistan	16,659	22,784	28,830	27,155	31,200	28,000
Australia	335,484	364,347	351,678	329,992	439,716	470,014
Irish Republic	81,362	85,026	73,467	90,871	100,267	(a)
FOREIGN COUNTRIES						
Austria (b)	41,632	117,479	104,130	295,209	360,855	405,637
Belgium	29,420	27,507	26,515	28,877	35,590	35,336
France (b)	2,234,486	1,999,918	2,545,884	2,850,818	2,961,000	3,213,000
Germany (Federal) (d)	714,000	793,000	753,000	765,000	832,000	881,000
Greece	18,523	17,665	18,700	25,000	20,000	(a)
Italy (including alabaster)	481,448	571,343	664,937	661,157	611,755	(a)
Luxemburg	17,564	9,912	4,992	9,303	1,891	7,162
Poland	32,306	(a)	(a)	(a)	(a)	(a)
Portugal	35,464	29,519	38,987	45,639	56,968	(a)
Spain (f)	2,609,000	2,110,000	1,849,000	1,212,000	1,006,000	(a)
Yugoslavia	(a)	15,500	17,088	43,784	(a)	(a)
Algeria	41,060	52,359	85,730	71,939	71,738	118,000
Angola	5,827	6,358	8,730	8,582	8,618	2,706
Egypt	139,198	100,050	139,614	183,000	140,193	148,000
Morocco (French)	610	—	7,829	14,143	20,491	14,500
Morocco (Spanish)	4,379	3,520	(a)	(a)	(a)	(a)
Tunis	22,700	24,000	23,000	22,400	29,728	34,329
Dominican Republic	—	20,903	12,660	18,295	26,083	57,422
United States	7,314,844	7,737,084	7,513,661	7,404,354	8,091,523	9,440,503
Argentina	(a)	(a)	(a)	(a)	(a)	128,075
Brazil	(a)	(a)	(a)	(a)	74,226	159,102
Chile	64,474	61,046	34,864	36,647	(a)	(a)
Colombia	2,260	2,000	2,000	7,400	15,000	22,000
Peru	31,413	30,402	31,392	38,531	30,232	(a)
Venezuela (g)	2,018	1,382	1,500	600	(a)	(a)
Burma	(a)	(a)	(a)	(a)	3,180	—
Formosa	(a)	(a)	(a)	1,880	3,645	10,042
Israel	23,250	(a)	(a)	22,491	29,064	(a)
Japan	112,864	198,261	197,475	266,819	322,238	334,064
New Caledonia	15,060	15,528	5,099	18,959	2,598	—
Philippine Republic	2,837	393	—	—	—	—
Siam	331	77	—	—	—	—
TOTAL*	20,600,000	20,800,000	20,900,000	21,700,000	23,200,000	25,300,000

* Excluding gypsum known to have been produced in Bulgaria, Roumania, Switzerland, U.S.S.R., Cuba, Mexico, China, Korea and many other countries. Also excluded is production of "Juss" (an impure sandy gypsum) in Iraq amounting to over 250,000 tons annually.

(a) Information not available.

(b) Including "Anhydrite".

(c) Exports.

(d) Crude estimated on production of calcined.

(e) Estimated.

(f) Converted from cubic metres at rate of 1 cu.m. = 2.354 tons.

(g) Production in Government quarries only.

EXPORTS OF GYPSUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Calcined	22,236	12,205	17,202	14,579	12,115	13,625
Tanganyika	—	—	495	1,713	4,440	7,812
Union of South Africa ..	6,430	7,082	11,748	18,262	16,498	18,235
Canada—						
Crude	2,651,762	2,703,871	2,467,404	2,473,205	2,527,629	2,713,564
Calcined	91	151	292	78	153	87
Jamaica	10,712	24,861	36,334	56,752	159,877	82,155
Cyprus—						
Crude	53,094	19,840	41,510	94,720	91,663	89,998
Calcined	9,465	2,471	11,792	7,420	6,877	3,746
Hong Kong (including re-exports)	1,437	1,631	(a)	(a)	(a)	(a)
Australia (c) (d) ..						
Crude	37,817	18,006	37,629	24,079	42,695	36,981
Irish Republic—						
Crude	(a)	(a)	9,541	20,161	31,714	32,693
Calcined	2,438	8,134	1,434	2,320	2,857	(a)
FOREIGN COUNTRIES						
Austria—						
Crude and ground ..	19,194	19,468	15,505	18,516	20,317	23,433
Calcined	7,002	4,957	115	11	—	48
Belgium-Luxemburg						
E.U.—						
Crude	95	771	253	542	417	52
Ground and calcined ..	1,613	2,476	3,383	5,983	7,707	8,779
Denmark—						
Crude and calcined ..	37	22	21	35	31	31
France—						
Crude	367,691	411,456	420,487	524,166	573,324	616,493
Calcined	82,061	69,496	56,464	60,988	69,535	68,109
Germany (Federal)—						
Gypsum and phosphatic gypsum	94,660	114,082	125,917	153,558	162,126	148,398
Italy—						
Crude	(b) 222	5,171	904	561	229	621
Calcined	(b) 426	115	645	238	327	309
Netherlands						
Calcined	3,100	3,048	2,462	2,683	1,244	313
Portugal—						
Crude	277	437	474	470	759	536
Sweden—						
Calcined	186	56	61	28	34	15
Switzerland—						
Ground and calcined ..	161	90	76	52	40	190
Yugoslavia—						
Crude	39	7,821	(a)	31,952	} 26,776	} 4,231
Calcined	1,119	1,811	20	2,747		
Algeria	568	252	191	128	55	37
Angola—						
Crude	(d) 1,921	(d) 2,999	3,378	2,076	3,044	7,107

(a) Information not available.

(b) July to December only.

(c) Years ended June 30 of that stated.

(d) Revised.

EXPORTS OF GYPSUM (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Egypt—						
Crude and ground ..	8,052	8,061	22,476	17,118	19,197	17,076
Calcined	277	4,234	2,596	1,382	(a)	(a)
Morocco (French) ..	8,520	3,238	8,755	22,323	8,836	2,367
Morocco (Spanish) ..	1,213	1,392	2,119	1,384	1,423	1,524
Dominican Republic ..	987	12,656	4,921	15,959	28,855	50,288
Mexico—						
Crude	170,467	256,775	222,982	250,421	337,221	333,807
Calcined	27,828	23	16	4	42	139
United States—						
Crude and calcined ..	21,141	22,362	17,754	21,152	19,986	20,124
Argentina	57	(a)	958	55	—	917
Syria	(a)	9,164	(a)	9,597	357	(a)

(a) Information not available.

IMPORTS OF GYPSUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Crude, including						
alabaster	69,223	46,209	50,691	75,009	85,206	89,489
Calcined	2,330	1,537	1,298	2,009	1,875	1,632
Anglo-Egyptian Sudan ..	214	397	180	254	(a)	(a)
Kenya—						
Crude	470	—	3	225	(a)	(a)
Southern Rhodesia—						
Crude and calcined ..	6,866	6,121	7,582	14,841	(b) 15,435	(b) 19,341
South West Africa ..	24	31	24	27	39	(a)
Uganda—						
Crude	1	—	802	269	(a)	(a)
Union of South Africa—						
Crude and calcined ..	527	686	667	770	1,218	(a)
Bermuda—						
Calcined	(a)	(a)	376	226	257	226
Canada—						
Crude and ground ..	757	1,518	579	488	4,427	14,379
Calcined	20,035	13,978	11,310	19,670	17,127	23,157
Hong Kong (total imports)	3,838	5,700	(a)	(a)	(a)	(a)
Australia (c) (d) ..	128	6	14	5	8	(a)
New Zealand—						
Crude	28,310	15,214	35,098	30,506	39,413	33,866
Calcined	8,427	7,057	18,261	11,107	16,539	20,648
Irish Republic—						
Calcined, etc.	1,015	651	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Crude	201,587	257,752	272,383	249,113	219,701	241,569
Ground and calcined ..	42,704	39,496	34,805	38,090	37,379	41,760
Denmark—						
Crude	35,684	32,713	35,414	35,407	39,432	36,796
Calcined	4,970	4,235	4,348	5,184	5,362	6,232
Finland—						
Crude	31,907	41,207	38,667	42,048	53,854	45,172
Calcined	15,006	18,463	14,522	18,290	22,040	30,428
France—						
Crude and calcined ..	279	391	484	504	915	14,200
Germany (Federal)—						
Gypsum and phosphatic						
gypsum	904	178	4,524	8,505	11,182	14,365
Iceland	16	29	33	37	90	44
Netherlands—						
Crude	29,499	28,119	34,397	79,071	39,164	50,430
Calcined	28,865	31,117	28,101	33,887	36,748	38,436
Ground	8,613	8,865	4,635	204,930	208,525	124,438

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Year ended June 30 of that stated.

(d) Revised.

IMPORTS OF GYPSUM (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Crude	20,058	26,368	28,940	28,926	32,650	35,553
Ground	2,973	3,597	2,465	3,272	3,168	3,457
Portugal—						
Crude	2,838	5,496	4,535	5,866	6,980	6,950
Calcined	7	13	9	10	12	16
Sweden—						
Crude	72,880	64,151	62,899	83,413	111,848	97,954
Calcined	10,827	13,161	13,092	15,357	17,683	17,280
Switzerland—						
Ground and calcined ..	181	210	141	150	192	327
Algeria—						
Crude	(a)	(a)	(a)	984	—	—
Calcined	2,100	1,955	2,159	3,614	3,276	3,551
Angola—						
Crude and calcined ..	218	211	403	398	509	517
Belgian Congo—						
Crude and calcined ..	(a)	(a)	(a)	6,349	6,583	13,820
Egypt—						
Crude and ground ..	1,143	473	433	1	—	2
Calcined	(a)	(a)	637	35	21	29
Madagascar	33	45	175	72	87	91
Morocco (French) ..	768	(a)	331	287	176	(a)
Mozambique—						
Crude	186	1,713	2,338	3,020	2,099	7,410
Calcined	41	52	118	126	229	83
Tunis—						
Crude	(a)	—	(a)	984	—	—
Calcined	(a)	105	(a)	80	79	111
Costa Rica	38	(a)	(a)	(a)	43	56
Cuba (total imports) ..	3,099	4,460	4,473	3,863	4,416	(a)
United States—						
Crude	2,848,750	3,078,640	2,739,201	2,843,118	2,999,666	3,532,532
Ground	639	514	540	534	611	837
Calcined	212	269	222	259		
Argentina—						
Crude	75	(a)	95	—	74	—
Brazil (total imports)—						
Crude	(a)	248	131	24	28	18
Ground	(a)	332	66	6	4	—
Colombia (total imports)						
Ground, crude	151	5,340	4,275	2,962	3,959	5,628
do. calcined		145	190	305	180	264
Peru—						
Crude	16	39	20	28	31	40
Calcined	—	1	3	8	1	126
Uruguay—						
Crude and ground ..	13,442	12,939	9,359	8,213	(a)	(a)
Venezuela (total imports)	736	(a)	1,028	1,372	307	(a)
Indonesia—						
Crude	1,067	3,295	3,184	2,621	1,067	1,328
Calcined	94	71	28	52	67	72
Israel—						
Crude	480	—	—	—	—	10
Calcined	96	27	73	62	176	87
Japan	5,000	12,090	15,715	28,386	60,935	16,416
Lebanon	15,764	12,904	18,278	20,967	16,251	18,527
Philippine Republic—						
Crude	17,078	8,113	6,550	8,871	10,513	13,800
Calcined	223	121	37	371	358	641
Syria	477	15	(a)	14	14	(a)

(a) Information not available.

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

Producing Country	ORB											
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES												
United Kingdom (b) ...	12,963,000	14,776,600	16,232,200	15,817,500	15,557,200	16,175,100	3,889,000	4,433,000	4,545,000	4,429,000	4,200,000	4,500,000
Northern Rhodesia (c) ...	...	...	5,943	2,169	961	2,164	...	...	3,800	1,300	500	1,100
Sierra Leone ...	1,165,039	1,140,325	1,152,459	1,367,046	816,656	1,235,384	691,000	681,000	692,000	835,000	506,000	772,000
Southern Rhodesia ...	56,312	51,026	63,808	62,034	63,290	82,888	32,400	23,000	36,700	35,700	36,400	47,700
South West Africa ...	...	...	...	...	1,721	...	...	...	...	...	(c)	...
Union of South Africa ...	1,170,465	1,398,702	1,731,122	1,939,595	1,863,190	1,967,347	701,000	853,000	1,068,000	1,209,000	1,161,000	1,180,000
Canada ...	3,218,983	4,179,027	4,707,008	5,812,337	6,572,855	5,515,404	1,770,000	2,298,000	2,589,000	3,197,000	3,615,000	8,533,000
Hong Kong ...	169,374	160,684	127,512	133,200	91,800	115,500	60,000	61,000	60,000	61,000	64,000	66,000
India ...	2,965,194	3,657,105	3,924,865	4,308,273	4,269,000	4,269,000	1,900,000	2,340,000	2,510,000	2,470,000	2,760,000	2,730,000
Malaya ...	498,903	846,803	1,053,511	1,062,978	1,212,780	1,466,184	279,000	474,000	591,000	593,000	679,000	821,000
Australia ...	2,364,699	2,436,239	2,907,754	3,267,718	3,518,404	3,579,699	1,417,600	1,603,000	1,883,000	2,132,000	2,274,000	2,304,000
New Zealand (c) ...	3,642	2,496	1,825	2,762	2,910	2,550	(g)	(d)	(g)	(g)	(c)	(g)
TOTAL ...	24,576,000	28,649,000	31,911,000	33,343,000	34,010,000	44,394,000	571,000	740,000	823,000	851,000	836,000	871,000
FOREIGN COUNTRIES												
Austria ...	1,830,046	2,332,246	2,610,694	2,713,093	2,677,788	2,793,621	16,400	28,000	47,000	36,000	29,000	36,000
Belgium ...	47,000	80,700	135,358	101,590	85,234	103,900	527,000	579,000	685,000	690,000	690,000	780,000
Czechoslovakia (e) ...	1,756,000	1,931,000	2,294,000	2,300,000	2,300,000	2,600,000	...	...	...	10,800	86,700	119,700
Finland (d) ...	...	...	16,431	16,431	131,905	181,560	...	...	...	...	...	...
France ...	29,541,763	34,646,641	40,157,499	41,776,954	43,132,037	49,523,560	9,577,000	11,212,000	12,851,000	12,986,000	14,400,000	15,300,000
Germany ...	10,711,380	12,719,000	15,161,000	14,388,000	12,830,000	15,436,000	2,893,000	3,419,000	4,032,000	3,828,000	3,495,000	4,160,000
Federal Republic ...	395,000	481,000	761,000	1,278,000	1,427,000	1,600,000	(g)	(g)	(g)	(g)	(g)	(g)
Eastern ...	4,550	51,991	153,755	86,938	75,946	189,214	2,300	26,500	80,000	44,000	39,000	96,000
Greece ...	362,000	306,000	311,000	353,000	421,000	347,000	113,000	95,000	96,000	109,000	131,000	108,000
Hungary ...	462,220	567,902	839,219	1,013,358	1,066,614	1,360,799	230,000	287,000	421,000	510,000	540,000	680,000
Italy ...	3,784,368	5,536,277	7,130,442	7,056,411	5,794,442	7,090,818	1,054,000	1,542,000	1,937,000	1,891,000	1,571,000	1,903,000
Luxembourg ...	293,705	326,578	757,274	1,167,537	1,077,290	1,235,754	190,000	211,000	446,000	701,000	692,000	792,000
Norway ...	780,000	887,000	1,011,000	1,288,000	1,549,600	1,827,000	260,000	280,000	320,000	410,000	500,000	600,000

* For detailed figures see page 143.
(a) Information not available.
(b) In addition bog ore and iron ore (not used for smelting) are produced.
(c) Used mainly or entirely for purposes other than iron production.
(d) Concentrates.
(e) Estimated.

PRODUCTION OF IRON ORE (cont.)

Producing Country	ORE											
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES												
Portugal (cont.)	—	21,045	87,570	142,682	110,516	186,592	—	10,523	43,785	71,341	55,528	93,296
Roumania (b)	389,000	470,000	644,000	680,000	684,000	600,000	175,000	212,000	290,000	300,000	310,000	270,000
Spain	2,087,792	2,351,705	2,818,139	2,976,366	2,869,330	3,824,634	940,000	1,038,000	1,270,000	1,340,000	1,290,000	1,720,000
Sweden	13,396,062	15,139,986	16,681,063	16,715,100	15,083,404	17,080,712	8,152,000	9,089,000	9,957,000	10,015,000	9,138,000	10,287,000
Switzerland	54,000	86,400	104,800	103,600	100,000	127,000	(a)	(a)	(a)	(a)	(a)	(a)
U. S. S. R. (f)	39,100,000	44,730,000	51,730,000	58,700,000	63,300,000	70,800,000	22,700,000	29,000,000	31,900,000	34,800,000	36,700,000	41,100,000
Yugoslavia	719,323	572,170	665,333	782,362	1,093,200	1,376,214	324,000	257,000	300,000	350,000	490,000	620,000
Algeria	2,532,200	2,778,100	3,051,658	3,334,800	2,880,600	3,541,400	1,370,000	1,445,000	1,590,000	1,667,000	1,440,000	1,771,000
Egypt	—	843	1,059	602	1,398	1,280	(a)	(a)	(a)	(a)	(a)	(a)
French West Africa	—	—	392,335	582,765	582,765	640,000	—	—	—	208,000	309,000	339,000
Liberia	(b)	170,000	(e)	1,264,425	(e)	1,190,051	(e)	116,000	596,000	872,000	800,000	1,159,000
Morocco (French)	316,001	553,911	652,425	508,641	335,570	309,800	144,000	246,000	290,000	231,000	151,000	138,000
Morocco (Spanish)	947,666	912,415	919,694	970,613	916,656	1,016,794	560,000	550,000	550,000	580,000	550,000	610,000
Tunisi	745,900	908,200	961,600	1,040,351	934,500	1,122,069	403,000	485,000	517,000	560,000	510,000	620,000
Cuba	1,279	—	87,536	196,676	205,000	246,000	440	(a)	(a)	(a)	(a)	(a)
Dominican Republic	—	—	18,408	90,216	105,000	99,269	—	—	12,500	61,300	71,000	68,000
Mexico	413,000	500,000	557,870	538,550	513,830	704,000	281,000	307,644	334,000	325,946	308,604	422,467
United States (c)	99,016,429	117,597,497	98,818,913	119,101,367	78,592,385	103,025,292	49,000,000	58,000,000	49,000,000	60,000,000	39,000,000	51,000,000
Argentina (b)	40,000	50,000	66,000	72,000	59,500	89,787	19,000	24,000	32,000	35,000	29,000	45,000
Brazil	1,956,036	2,368,928	3,112,325	3,560,351	3,022,243	3,328,511	1,330,000	1,590,000	2,090,000	2,350,000	1,960,000	2,160,000
Chile	2,906,591	3,124,204	2,325,363	2,857,579	2,164,308	3,418,899	1,743,000	1,930,000	1,404,000	1,695,000	1,289,000	900,000
Colombia	—	—	—	81,899	343,461	343,461	—	—	—	—	(a)	(a)
Peru	—	—	—	1,359,341	2,084,888	1,737,113	—	—	—	840,000	1,261,000	1,042,000
Venezuela	195,159	1,249,559	1,938,692	2,260,132	5,334,986	8,306,162	125,000	797,000	1,241,000	1,446,000	3,414,000	5,316,000
China (b)	3,000,000	4,500,000	6,000,000	8,000,000	10,000,000	12,000,000	(a)	(a)	(a)	(a)	(a)	(a)
Japan (d)	912,619	1,149,325	1,372,918	1,655,857	1,637,574	1,542,384	483,000	590,000	726,000	901,000	886,000	843,000
Korea (South)	—	50	17,145	18,671	30,506	28,164	(a)	(a)	(a)	10,300	16,800	15,500
Lebanon	—	—	7,000	30,000	50,000	42,000	—	—	—	15,000	25,000	21,000
Philippine Republic	589,633	889,016	1,151,866	1,198,630	1,402,394	1,410,084	342,000	517,000	668,000	695,000	813,000	818,000
Portuguese India	110,457	429,505	478,353	928,794	1,358,845	2,176,074	61,000	236,000	263,000	511,000	747,000	1,197,000
Siam	2,657	6,480	2,811	7,559	2,712	5,000	1,600	4,000	1,700	5,000	1,800	3,300
Turkey	229,902	222,244	474,215	489,428	576,947	860,174	143,000	133,000	284,000	294,000	346,000	516,000
New Caledonia	15,127	—	—	—	—	—	8,600	—	—	—	—	—
TOTAL (f)	219,000,000	260,000,000	267,000,000	303,000,000	268,000,000	324,000,000	324,000,000	324,000,000	324,000,000	324,000,000	324,000,000	324,000,000
WORLD'S TOTAL (f)	244,000,000	289,000,000	299,000,000	336,000,000	302,000,000	368,000,000	368,000,000	368,000,000	368,000,000	368,000,000	368,000,000	368,000,000

(a) Information not available.
 (b) Estimated.
 (c) Usable ore. Including shipments of manganeseiferous iron ore up to 35 per cent. Mn.
 (d) Including iron sand as follows (long tons): 1950—99,940; 1951—251,939; 1952—316,920; 1953—532,457; 1954—517,286; 1955—570,628.
 (e) Exports.
 (f) Revised.

DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
West Coast hematite ..	342,700	347,400	403,100	353,800	344,200	329,800
Jurassic ironstones—						
Lower lias	3,154,900	3,380,800	3,431,600	3,416,200	3,988,900	4,418,400
Middle lias	2,557,600	3,393,400	3,574,800	3,738,800	3,215,500	3,184,800
Inferior oolite ..	6,804,300	7,558,200	8,717,900	8,193,500	7,890,200	8,122,100
Coal measure ironstones	200	—	—	—	—	—
Other iron ore (hematite, limonite, etc.) ..	103,300	97,300	104,800	115,200	118,400	120,000
Sierra Leone—						
Red ore	595,140	552,160	523,852	521,644	247,856	314,720
Concentrates	478,674	519,628	566,332	831,797	568,700	920,664
Washed fines	91,225	68,537	62,275	13,605	—	—
Union of South Africa—						
Hematite	1,101,560	1,336,382	1,690,208	1,939,595	(a)	(a)
Magnetite	—	—	—	—	(a)	(a)
Carbonate	68,905	62,320	40,914	—	(a)	(a)
FOREIGN COUNTRIES						
France—						
Phosphoric	27,807,440	32,224,314	37,156,835	38,843,458	40,538,954	46,016,000
Medium phosphoric ..	1,540,670	2,189,446	2,678,895	2,709,622	2,414,525	3,224,000
Non-phosphoric	193,653	232,881	321,770	223,874	178,558	285,000
Italy—						
Iron ore	439,392	544,120	799,241	975,638	1,039,584	1,327,280
Manganiferous iron ore	22,828	23,782	39,978	37,720	27,030	33,519
Luxemburg—						
Siliceous iron ore ..	1,477,261	1,877,341	2,238,363	2,190,739	2,248,000	2,619,471
Calcareous iron ore ..	2,221,572	3,499,369	4,586,210	4,425,488	3,137,000	4,069,290
Ferruginous limestone	85,535	159,567	305,869	440,184	409,000	402,057
Portugal—						
Hematite	—	21,045	85,834	120,367	80,882	137,655
Magnetite	—	—	1,736	22,315	29,634	48,937
Sweden—						
Manganiferous iron ore	50,096	5,015	45,300	44,300	8,000	124,000
Other iron ore	13,345,966	15,134,971	16,635,800	16,671,000	15,075,000	16,957,000
By phosphorus content						
(b)—						
Under 0.006%	671,284	609,967	681,332	643,637	679,946	695,673
0.006% to under						
0.04%	2,344,547	2,574,457	2,364,320	2,261,490	2,280,536	2,436,729
0.04% to under 0.1% ..	74,797	91,968	652,432	637,269	57,866	319,310
0.1% to under 0.7% ..	4,796,404	5,302,119	5,903,774	5,720,671	4,805,223	5,452,146
0.7% to under 1%	1,016,174	1,468,408	1,721,315	1,593,003	1,263,519	1,228,302
1% and over	4,492,856	5,093,067	5,357,891	5,859,030	5,996,214	6,948,551
United States—						
Ore containing less than 5% Mn—						
Hematite (c)	87,156,235	101,530,954	83,515,561	102,553,404	66,382,284	92,978,179
Magnetite (c)	7,698,754	11,390,326	11,068,778	12,585,681	8,593,011	6,551,792
Limonite	2,615,402	3,014,761	2,729,524	2,238,236	2,282,648	2,461,319
Pyrite cinder and sinter	574,969	568,631	604,141	617,448	836,052	1,034,002
Ore containing 5 to under 10% Mn	868,150	998,001	805,992	863,082	443,308	(a)
Ore containing 10 to under 35% Mn	102,919	94,824	94,917	243,516	55,082	(a)

(a) Information not available.

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

(c) 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	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom	585	779	564	677	895	1,314
Sierra Leone	1,142,621	1,184,735	1,378,959	1,200,240	877,306	1,331,573
Union of South Africa	—	22,075	—	3,588	473	4,281
Canada	1,988,817	2,880,149	3,434,820	4,303,550	5,470,480	13,008,000
Hong Kong	171,718	171,362	114,031	116,392	85,967	123,698
India	55,322	197,005	669,986	1,094,570	1,055,671	1,297,447
Malaya	520,899	782,665	1,007,489	1,018,336	1,060,382	1,592,268
Irish Republic— Burnt pyrites	33,983	26,937	24,233	14,962	17,396	27,627
FOREIGN COUNTRIES						
Austria	57,360	177,853	272,427	192,251	44,299	39,415
Belgium-Luxemburg E.U.—						
Iron ore	101,601	200,160	441,302	870,086	137,807	415,918
Burnt pyrites	156	5,002	140,563	111,824	200,436	215,027
Denmark—						
Bog ore (c)	23,064	54,864	175,764	131,062	81,417	104,791
Burnt pyrites	49,536	66,835	55,473	63,077	73,350	86,643
Finland—						
Iron ore	—	816	470	8,136	(e) 166,799	(e) 276,506
Burnt pyrites	(a)	(a)	(a)	139,491	96,658	102,905
France—						
Iron ore	7,425,791	9,682,472	9,225,370	9,837,459	10,950,120	13,488,215
Burnt iron pyrites	316,216	562,942	577,257	389,769	352,236	432,183
Germany (Federal) (b)	51,259	75,223	166,310	193,379	282,825	332,994
Greece	40,564	84,920	110,578	97,402	72,610	205,541
Italy—						
Iron ore	9,182	69,473	6,706	4,121	11	47,035
Burnt iron pyrites	497,295	411,353	384,939	426,791	390,710	319,272
Netherlands—						
Iron ore	(d) 57,521	—	155	535	405	331
Burnt iron pyrites	244,337	318,787	323,447	258,561	302,830	389,180
Norway—						
Iron ore	278,563	264,830	699,578	894,424	895,556	1,164,163
Burnt pyrites	32,729	63,859	117,502	57,029	67,454	95,075
Portugal—						
Iron ore	1	—	118,527	132,769	103,894	165,805
Burnt pyrites	(a)	198,736	319,465	141,968	15,443	1
Spain	920,742	1,525,465	1,728,237	1,446,225	1,160,464	(a)
Sweden—						
Iron ore	12,738,629	14,760,104	15,415,625	14,323,156	13,860,579	15,406,767
Burnt iron pyrites	113,314	244,987	211,027	130,982	135,073	157,157
Switzerland	53,370	98,525	109,304	104,284	126,757	108,978
Yugoslavia	333,047	276,679	152,857	3,989	15,731	—
Algeria	2,433,678	2,796,878	3,073,489	3,198,394	2,863,965	3,567,453
French West Africa	68	—	3,344	346,539	584,618	665,324
Liberia	—	170,000	876,974	1,410,773	1,218,960	1,716,932
Morocco (French)	308,913	560,673	641,279	522,875	319,992	288,227
Morocco (Spanish)	935,882	952,829	980,930	912,949	788,204	1,002,701
Tunis	690,177	896,748	976,864	1,019,437	891,542	1,090,045

(a) Information not available.

(b) Including burnt pyrites.

(c) Used for purposes other than iron making.

(d) Chiefly used for gas purification.

(e) Including ilmenite. See page 331.

EXPORTS OF IRON ORE (cont.)

Exporting Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba	28,999	9,203	96,086	205,882	77,744	120,571
Dominican Republic	—	—	18,408	90,216	93,709	99,269
Mexico	189,082	174,188	112,001	239,048	142,544	182,935
United States	2,550,738	4,328,910	5,122,644	4,251,365	3,145,714	4,516,828
Brazil	876,067	1,309,139	1,536,163	1,522,800	1,651,937	2,524,047
Chile	2,554,901	2,644,169	1,798,637	2,403,038	1,692,737	<i>c</i> 1,030,750
Peru	—	—	—	875,648	1,896,975	1,669,830
Venezuela	—	682,449	1,881,042	1,941,614	5,362,690	<i>b</i> 7,120,221
Lebanon	(<i>a</i>)	(<i>a</i>)	—	21,948	39,368	41,976
Philippine Republic	551,510	923,028	1,202,667	1,186,955	1,276,591	1,400,738
Portuguese India	70,401	278,288	456,628	849,813	1,122,904	1,498,052
Turkey	(<i>a</i>)	(<i>a</i>)	93,905	109,823	168,005	336,820
New Caledonia	4,985	2,923	2,461	—	—	—

(*a*) Information not available.

(*b*) Imports into the United States.

(*c*) January to November only.

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

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom	8,391,533	8,747,480	9,690,534	10,981,013	11,611,257	12,859,343
Canada	2,741,569	3,420,909	3,810,409	3,721,046	2,709,992	4,052,483
India	207	533	15	511	618	1,271
Australia (e) (f)	16	8,192	12	2,836	3	17
Irish Republic	174	576	1,000	5	807	1,715
FOREIGN COUNTRIES						
Austria—						
Iron ore	194,666	193,151	602,201	412,051	250,765	840,207
Burnt pyrites	388,111	342,553	370,690	346,266	328,462	321,898
Belgium-Luxemburg						
E.U.—						
Iron ore	8,123,841	10,569,420	10,826,780	11,613,471	12,522,507	14,730,547
Burnt iron pyrites	38,699	67,672	56,895	61,567	94,123	85,708
Denmark (c)	1,102	3,512	3,139	3,684	1,831	7,998
Finland	91,947	176,908	97,637	22,018	105,663	139,370
France	165,340	315,251	430,840	973,425	306,537	544,216
Germany (Federal)—						
Iron ore	4,793,335	7,580,102	9,489,280	9,889,414	8,615,787	14,098,915
Burnt pyrites	(a)	(a)	1,613,690	1,850,692	1,390,842	1,610,672
Italy	180,959	395,657	698,406	722,276	622,605	822,567
Netherlands	(b) 799,231	987,873	1,162,968	1,247,267	1,101,811	1,042,679
Norway	15,696	817	4,562	6,394	6,165	3,561
Spain	234,958	224,047	297,531	268,388	361,971	(a)
Sweden	484	510	340	136	271	751
Switzerland (d)	60,335	95,889	92,640	56,753	64,914	72,724
Algeria	—	986	—	—	20	(a)
United States—						
Iron ore	8,281,237	10,139,678	9,760,625	11,074,035	15,768,771	23,443,220
Burnt pyrites	15,735	8,675	11,149	12,053	898	3,879
Formosa	(a)	(a)	10,273	14,107	3,021	(a)
Japan	1,402,335	3,040,010	4,692,833	4,222,444	4,925,743	5,373,233

(a) Information not available.

(b) Including a very small amount for gas purification.

(c) Bog ore and burnt pyrites.

(d) Including chrome ore, pyrites, burnt pyrites, etc. (mainly pyrites).

(e) Years ended June 30 of that stated.

(f) Revised.

PRODUCTION OF PIG-IRON AND FERRO-ALLOYS*

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom ..	9,632,900	9,668,800	10,727,700	11,174,800	11,883,400	12,470,000
Southern Rhodesia ..	33,453	31,641	38,588	35,233	36,485	55,733
Union of South Africa ..	721,339	791,840	1,111,000	1,203,300	1,178,000	1,280,300
Canada	2,230,018	2,517,094	2,601,520	2,826,721	2,077,829	3,018,254
India	1,680,481	1,823,946	1,852,910	1,776,269	1,961,919	1,894,758
Australia (b) ..	1,114,421	1,331,176	1,447,312	1,711,599	1,848,732	1,889,409
TOTAL	15,412,600	16,164,500	17,978,500	18,727,900	18,986,300	20,608,500
FOREIGN COUNTRIES						
Austria	869,145	1,032,862	1,154,309	1,299,849	1,332,175	1,484,601
Belgium	3,636,420	4,791,232	4,713,947	4,143,343	4,552,045	5,302,000
Czechoslovakia ..	1,950,000	2,050,000	2,290,000	2,750,000	2,760,000	2,950,000
Finland	63,259	99,919	106,718	78,236	73,431	112,427
France (d)	7,638,292	8,611,726	9,615,007	8,529,329	8,701,378	10,787,058
Germany—						
Federal Republic ..	9,323,263	10,528,000	12,673,000	11,469,668	12,314,000	16,222,000
Eastern	332,000	336,000	641,000	1,051,000	1,282,000	1,492,000
Hungary	454,000	519,000	610,000	705,000	830,000	854,000
Italy	563,827	1,032,735	1,186,591	1,288,559	1,324,398	1,706,328
Luxemburg	2,459,418	3,107,207	3,027,405	2,679,000	2,756,000	3,036,000
Netherlands	447,049	515,486	530,174	584,093	600,900	659,000
Norway	222,923	241,064	268,812	273,067	242,862	349,951
Poland	1,464,000	1,552,000	1,754,000	2,321,600	2,620,700	3,062,900
Roumania	330,000	344,000	384,000	449,000	425,000	566,000
Saar	1,657,205	2,332,197	2,510,086	2,344,295	2,457,933	2,833,234
Spain	661,764	659,027	771,985	809,330	890,847	978,821
Sweden	823,848	891,282	1,096,001	1,040,601	985,406	1,226,379
Switzerland	33,000	43,000	42,600	41,700	36,700	54,100
U.S.S.R. (e)	18,900,000	21,600,000	24,700,000	27,000,000	29,500,000	32,800,000
Yugoslavia	222,000	258,480	283,863	275,926	361,943	522,067
Mexico (e)	223,840	249,884	298,888	238,429	247,823	320,771
United States	59,285,992	64,686,199	56,566,031	68,973,364	53,398,430	70,771,308
Brazil	717,519	759,830	802,828	880,295	1,091,067	1,069,376
Chile	107,750	236,000	265,660	281,310	300,320	251,540
Colombia	—	—	—	—	86,703	97,284
China (c)	920,000	1,500,000	1,900,000	2,200,000	3,100,000	3,700,000
Japan	2,262,437	3,176,600	3,528,695	4,579,812	4,679,393	5,344,985
Turkey	109,462	150,969	192,988	209,166	191,264	196,116
TOTAL	115,700,000	131,300,000	131,900,000	146,500,000	137,100,000	168,800,000
WORLD'S TOTAL ..	131,100,000	147,500,000	149,900,000	165,200,000	156,100,000	189,400,000

* For details see page 148.

(a) Information not available.

(b) Years ended May 31 of that stated.

(c) Estimated.

(d) Excluding electric furnace ferro-alloys.

(e) Revised.

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

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Hematite	1,476,800	1,333,000	1,426,100	1,391,800	1,436,300	1,414,700
Basic	6,478,000	6,674,700	7,528,100	8,069,700	8,772,100	9,295,500
Foundry	1,466,500	1,417,100	1,522,000	1,465,800	1,441,100	1,509,300
Forge	60,500	69,500	74,100	52,300	45,400	56,600
Direct castings	3,000	2,200	1,800	1,500	1,900	700
Spiegeleisen (b)	18,100	28,800	31,100	29,600	29,700	28,300
Ferro-manganese (b)	130,000	143,500	144,500	164,100	156,900	164,900
Other ferro-alloys (c)—						
Tungsten (d)	1,700					
Molybdenum (d)	1,600					
Vanadium (d)	300					
Ferro-chrome	9,900	(a)	(a)	(a)	(a)	(a)
Refined ferro-manganese	6,000					
Ferro-phosphorus	900					
Ferro-silicon	4,600					
Union of South Africa—						
Pig-iron	705,300	774,000	1,082,500	1,173,000	1,152,600	1,240,500
Ferro-alloys	16,000	17,900	28,500	30,300	25,400	39,800
Canada—						
Basic	1,574,500	1,775,841	1,833,653	2,175,450	1,554,207	2,313,789
Foundry	212,735	273,450	197,102	163,233	149,818	158,037
Malleable	281,623	230,078	363,518	350,842	270,107	397,605
Ferro-alloys	161,160	237,725	207,247	137,196	103,697	148,823
India—						
Basic	1,274,069	1,420,950	1,464,456	1,318,540	1,344,780	1,277,557
Foundry	290,451	287,209	219,808	335,881	448,064	479,393
Direct castings	97,594	91,881	129,778	114,934	127,814	125,882
Ferro-alloys	18,367	23,906	38,868	6,914	41,261	11,926
FOREIGN COUNTRIES						
Belgium—						
Basic	3,508,173	4,569,414	4,502,179	3,976,997	4,309,878	5,126,000
Forge	10,865	42,427	30,274	33,733	18,720	
Foundry	106,251	165,885	169,860	112,795	107,302	176,000
Ferro-alloys	11,131	13,505	11,634	19,818	16,145	
France (e)—						
Phosphoric (over 1.4% P)—						
Basic	6,178,876	6,880,126	7,777,162	7,115,714	7,358,324	9,153,762
Foundry	281,576	347,504	290,825	207,933	184,255	194,724
Semi-phosphoric (from 0.5% to 1.4% P)—						
Foundry	275,933	360,071	366,689	345,640	335,745	353,221
Open hearth, basic	46,332	47,188	26,719	7,358	168	6,221
Hematite (less than 0.5% P)—						
Foundry	218,619	196,318	260,012	193,394	209,883	258,812
Open hearth						
Bessemer	193,401	262,291	316,202	166,796	137,043	244,285
Spiegeleisen	164,128	146,169	179,115	153,827	130,039	124,041
Ferro-manganese	107,694	112,242	111,425	131,717	131,483	199,782
Other pig-iron and ferro-alloys	171,733	259,817	286,858	206,950	214,491	252,210

(a) Information not available.

(b) Blast furnace ferro-alloys.

(c) Excluded from totals on page 147.

(d) Metal content.

(e) Excluding electric furnace ferro-alloys.

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

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
Germany (Federal)—						
Hematite	402,000	402,000	499,000	401,728	} 575,000	734,000
Malleable	156,000	217,000	201,000	176,055		
Basic	5,755,000	6,419,000	8,008,000	7,364,628	} 7,797,000	10,410,000
Foundry	732,000	776,000	873,000	594,441		
Stahleisen	1,966,000	2,220,000	2,554,000	2,479,820	} 2,763,000	3,658,000
Spiegeleisen	85,000	106,000	134,000	99,970		
Ferro-manganese	63,000	72,000	107,000	146,277	} 177,000	238,000
Siegerland special	66,000	86,000	108,000	85,516		
Other pig-iron	69,000	193,000	135,000	86,487	} 274,000	326,000
Ferro-silicon	30,000	37,000	54,000	34,746		
Italy—						
Pig-iron	495,812	937,570	1,084,883	1,203,015	1,236,638	1,599,364
Spiegeleisen	13,422	18,665	10,626	14,317	10,806	13,492
Ferro-manganese	15,228	20,466	30,395	18,928	32,360	39,197
Ferro-silicon	17,267	28,455	37,400	27,472	18,995	26,769
Silico-manganese	8,552	8,641	10,996	7,887	9,503	11,084
Ferro-chrome	1,163	3,288	2,462	2,784	1,779	3,013
Ferro-titanium	85	135	100	128	165	142
Ferro-tungsten	43	78	53	17	65	84
Ferro-vanadium	6	32	64	27	38	79
Ferro-molybdenum	133	67	206	42	233	346
Silico-aluminium	414	613	528	654	450	535
Other ferro-alloys	11,682	14,725	8,878	13,288	13,366	12,223
Luxemburg—						
Basic	2,454,030	3,107,207	3,027,405	2,679,000	2,756,000	3,036,000
Foundry	5,388	—	—	—	—	—
Norway—						
Pig-iron	62,407	53,207	57,379	57,915	58,974	121,384
Ferro-silicon	62,866	67,402	81,965	93,005	96,747	106,604
Other ferro-alloys	97,650	120,455	129,468	122,147	86,141	121,963
Saar—						
Basic	1,553,124	2,154,999	2,311,257	2,144,518	2,244,614	2,588,566
Foundry—						
Hematite	17,657	30,624	16,351	} 199,777	213,319	244,668
Phosphoric	52,270	116,124	110,345			
Other pig-iron and ferro-alloys	34,154	30,450	72,133			
Spain—						
Pig-iron	646,257	639,892	749,068	787,086	864,586	948,121
Ferro-manganese	8,846	11,763	11,940	12,708	15,637	21,094
Ferro-silicon	5,681	6,933	10,665	9,283	10,204	9,295
Ferro-tungsten	67	74	59	32	35	40
Ferro-chrome	176	165	253	221	385	271
Silico-manganese	647	203	(b)	(b)	(b)	(b)
Sweden—						
Pig-iron	772,330	838,029	1,033,749	985,044	924,186	1,156,403
Spiegeleisen	320	1,268	947	640	—	—
Ferro-manganese	9,322	9,314	11,320	9,453	11,018	14,772
Ferro-silicon	14,108	13,862	16,503	15,155	13,673	11,186
Ferro-silico-manganese	5,431	2,879	5,455	4,897	9,585	9,485
Ferro-chrome	16,851	18,761	20,345	20,924	18,267	23,817
Ferro-titanium	53	25	86	86	30	55
Ferro-tungsten	1,217	815	445	243	359	467
Ferro-molybdenum	578	680	691	436	593	1,110
Ferro-vanadium	133	139	118	30	62	200
Metallic silicon	3,138	3,802	4,106	3,255	4,832	3,773
Silico-chrome	8	1,003	1,878	124	2,276	4,428
Other ferro-alloys	359	705	368	314	524	683

(a) Information not available.

(b) Included with ferro-manganese.

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

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Yugoslavia—						
Pig-iron	209,000	244,512	268,574	265,488	350,574	505,682
Ferro-alloys	13,427	13,968	15,289	10,438	11,369	16,385
United States—						
Basic	44,536,108	48,404,026	42,420,704	53,466,529	41,984,977	55,790,079
Bessemer	7,223,757	8,076,745	6,647,960	7,241,858	5,022,771	6,639,602
Low phosphorus	299,480	281,004	274,534	265,237	189,190	234,854
Foundry	2,505,578	2,723,773	2,384,116	2,233,032	2,029,493	2,459,501
Malleable	2,840,217	3,003,008	2,785,864	3,378,980	2,347,912	3,153,054
Other pig-iron	261,742	256,335	230,516	290,640	180,610	345,604
Ferro-manganese and spiegeleisen	693,643	773,040	732,864	899,329	669,119	852,834
Ferro-silicon	749,703	820,612	668,803	689,588	568,477	717,215
Other ferro-alloys	175,764	347,656	420,670	508,171	405,881	578,565
Japan—						
Pig-iron	2,197,645	3,077,700	3,419,400	4,446,782	4,535,527	5,134,374
Spiegeleisen	700	700	1,443	1,760	3,775	2,818
Ferro-chrome	2,900	3,800	4,418	7,700	12,644	13,565
Ferro-manganese	41,100	69,000	68,194	78,855	68,135	110,327
Ferro-molybdenum	100	100	160	374	682	571
Ferro-phosphorus	2,500	1,900	527	589	1,680	1,724
Ferro-silicon	10,500	16,500	20,487	22,307	27,032	30,656
Ferro-titanium	(a)	(a)	96	75	71	137
Ferro-tungsten	700	500	190	211	206	342
Ferro-nickel	(a)	(a)	1,448	4,856	7,692	11,885
Silico-manganese	6,300	6,300	10,955	14,370	16,699	32,191
Calcium-silicon	(a)	(a)	1,443	1,778	1,808	1,751
Other ferro-alloys	(a)	100	—	155	3,442	4,644

(a) Information not available.

PRODUCTION OF STEEL INGOTS AND CASTINGS*

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom ..	16,292,700	15,638,500	16,417,900	17,608,500	18,519,700	19,790,600
Southern Rhodesia ..	22,838	27,321	35,712	24,599	32,631	51,341
Union of South Africa (c)	743,125	933,131	1,183,600	1,221,300	<i>f</i> 1,355,100	1,500,800
Canada	3,021,049	3,186,357	3,306,349	3,675,061	2,852,705	4,044,108
India	1,437,858	1,499,703	1,578,180	1,506,538	1,684,754	1,704,259
Australia (b) ..	1,242,852	1,473,123	1,551,582	1,829,356	2,144,248	2,239,855
TOTAL	22,760,400	22,758,100	24,073,300	25,865,400	26,589,100	29,331,000
FOREIGN COUNTRIES						
Austria	931,636	1,011,559	1,039,912	1,263,036	1,626,881	1,792,063
Belgium	3,717,743	4,973,797	4,987,334	4,425,624	4,893,996	5,806,900
Czechoslovakia ..	3,140,000	3,450,000	3,730,000	4,360,000	4,360,000	4,430,000
Finland	100,757	130,086	146,039	144,365	174,306	176,023
France	8,515,212	9,679,536	10,695,061	9,839,076	10,459,154	12,392,937
Germany—						
Federal Republic ..	11,929,719	13,293,000	15,556,000	15,176,422	17,159,000	20,999,000
Eastern	979,000	1,527,000	1,863,000	2,143,000	2,307,000	2,460,000
Hungary	1,031,000	1,270,000	1,436,000	1,519,000	1,467,000	1,603,000
Italy	2,325,119	3,014,594	3,479,289	3,445,264	4,140,420	5,304,481
Luxemburg	2,411,984	3,028,421	2,954,297	2,617,000	2,783,000	3,174,390
Netherlands	482,000	545,500	674,173	845,934	912,900	957,800
Norway	79,800	86,200	96,519	108,783	118,741	168,213
Poland	2,475,000	2,748,000	3,133,000	3,547,000	3,886,800	4,356,500
Roumania (d)	549,000	636,000	687,000	708,000	617,000	753,000
Saar	1,868,327	2,561,575	2,778,235	2,641,149	2,760,346	3,115,053
Spain	802,356	805,261	892,967	882,621	1,079,631	1,193,283
Sweden	1,414,146	1,480,170	1,639,365	1,731,079	1,810,850	2,092,417
Switzerland	128,000	142,000	154,000	155,000	148,000	163,000
U.S.S.R.	26,900,000	30,900,000	33,900,000	37,500,000	40,700,000	44,600,000
Yugoslavia	421,000	426,848	435,368	506,607	606,367	793,293
Mexico (f)	384,191	459,312	524,869	516,738	599,825	713,894
United States (e) ..	86,460,781	93,928,436	83,185,749	99,651,535	78,849,689	104,496,504
Argentina (d)	200,000	250,000	300,000	300,000	300,000	300,000
Brazil (g)	767,155	828,485	881,402	1,000,248	1,130,186	1,137,778
Chile	55,050	175,500	241,400	308,130	316,000	304,240
Colombia	—	—	—	—	—	76,265
China (d)	550,000	<i>f</i> 880,000	<i>f</i> 1,370,000	<i>f</i> 1,800,000	<i>f</i> 2,190,000	2,740,000
Japan	4,771,633	6,399,100	6,877,800	7,541,100	7,627,517	9,259,113
Turkey	89,351	133,270	151,041	160,032	166,226	188,518
TOTAL	163,500,000	184,800,000	183,800,000	204,800,000	193,200,000	235,500,000
WORLD'S TOTAL ..	186,200,000	207,500,000	207,900,000	230,700,000	219,800,000	264,800,000

* For details see page 152.

(a) Information not available.

(b) Years ended May 31 of that stated.

(c) Excluding steel castings for which the amounts produced for sale were 59,464 tons, 57,753 tons, 54,500 tons, 56,200 tons, 52,700 tons, and 54,100 tons in 1950, 1951, 1952, 1953, 1954 and 1955 respectively.

(d) Estimated.

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

(f) Revised.

(g) Ingots only.

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

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ingots and castings—						
Open hearth, acid ..	1,310,700	1,259,400	1,238,800	1,132,500	995,400	1,000,200
do. basic ..	12,981,200	12,277,400	12,922,600	14,297,600	15,248,900	16,252,200
Bessemer, acid ..	247,800	241,400	245,900	263,400	264,500	252,200
do. basic ..	845,700	862,100	887,200	797,600	909,400	1,031,600
Ingots, electric ..	528,800	574,800	630,000	619,300	621,000	737,400
Castings, electric ..	207,600	244,500	300,200	310,400	308,400	361,000
All other ingots and castings ..	170,900	178,900	193,200	187,700	172,100	156,000
Southern Rhodesia—						
Ingots ..	21,678	26,125	34,497	23,687	31,492	47,769
Castings ..	1,160	1,196	1,215	912	1,139	3,572
Union of South Africa—						
Ingots—						
Open hearth and bessemer ..	629,400	828,600	1,082,900	1,118,900	1,244,800	1,378,800
Electric ..	113,800	104,500	100,700	102,400	110,300	122,000
Castings (b) ..	59,464	57,753	54,500	56,200	52,700	54,100
Canada—						
Ingots—						
Open hearth, basic ..	2,474,859	2,604,469	2,694,368	3,144,678	2,435,473	3,497,367
do. electric ..	469,847	473,328	500,059	435,276	344,697	468,475
Castings—						
Open hearth, basic ..	20,079	27,462	30,964	27,148	19,968	23,217
Bessemer ..	207	252	338	227	85	146
Electric ..	56,057	80,846	80,620	67,732	52,482	54,903
India—						
Ingots—						
Open hearth, basic ..	1,307,518	1,387,618	1,464,867	1,381,571	1,553,768	1,578,178
do. acid ..	47,684	37,243	37,580	37,495	31,263	25,830
Electric ..	58,614	53,270	52,288	61,806	69,345	66,713
Castings ..	24,038	21,572	23,445	25,666	30,378	33,538
FOREIGN COUNTRIES						
Belgium—						
Ingots, open hearth ..	363,338	599,573	616,950	493,975	485,228	626,000
do. bessemer, basic ..	3,243,932	4,200,659	4,145,493	3,741,019	4,243,509	4,901,000
do. electric ..	66,185	110,508	159,051	127,971	109,715	167,700
Castings ..	44,288	63,057	65,840	62,659	55,544	112,200
France—						
Ingots and castings—						
Bessemer, acid ..	73,879	75,442	72,581	79,182	77,255	78,631
do. basic ..	5,363,258	5,746,954	6,502,072	5,936,789	6,214,277	7,559,856
Open hearth, acid ..	—	6,214	2,256	2,236	—	950
do. basic ..	2,547,001	3,093,607	3,325,258	3,143,157	3,343,421	3,838,241
Crucible ..	2,119	3,686	3,819	2,691	3,124	2,901
Electric ..	528,955	753,633	789,075	675,021	821,077	912,358
Of which—						
Ingots ..	8,288,339	9,450,718	10,695,060	9,604,977	10,227,524	12,152,464
Castings ..	226,873	228,818	230,341	234,099	231,630	240,473
Germany (Federal)—						
Ingots—						
Open hearth ..	6,418,000	6,958,000	7,846,000	8,211,196	9,478,000	10,964,000
Bessemer, basic ..	4,968,000	5,597,000	6,825,000	6,104,747	6,732,000	8,806,000
do. acid ..	—	—	127,000	55	—	—
Electric ..	214,000	307,000	373,000	370,974	476,000	656,000
Other ..	27,000	31,000	32,000	24,399	6,000	3,000

(a) Information not available.

(b) Produced for sale.

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

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)						
<i>—(cont.)</i>						
Castings—						
Open hearth ..	138,000	179,000	200,000	189,587	168,000	198,000
Bessemer	81,000	105,000	6,000	111,981	—	—
Electric	73,000	100,000	128,000	143,145	190,000	253,000
Other	11,000	16,000	19,000	20,338	108,000	117,000
Italy—						
Ingots	2,239,242	2,916,630	3,369,519	3,339,683	4,029,464	5,175,341
Castings	85,877	97,964	109,770	105,581	110,956	129,140
Luxemburg—						
Bessemer, basic ..	2,347,441	2,958,858	2,896,796	2,568,000	2,735,000	3,106,529
Electric	64,543	69,563	57,501	49,000	48,000	67,861
Norway—						
Ingots	71,000	77,200	84,064	95,371	104,982	154,110
Castings	8,800	9,000	12,455	13,412	13,759	14,103
Saar—						
Ingots—						
Open hearth ..	437,205	553,118	634,384	637,839	662,618	684,148
Bessemer, basic ..	1,385,420	1,937,479	2,074,857	1,947,383	2,036,009	2,362,828
Electric	23,555	46,766	43,261	29,538	38,050	41,235
Castings—						
Open hearth ..	2,430	2,904	4,380	5,332	4,946	4,974
Bessemer, acid ..	2,768	3,793	4,122	4,122	2,792	1,660
Electric	16,949	17,515	17,231	16,935	15,931	20,208
Spain—						
Open hearth and bessemer	715,526	706,750	784,582	739,915	911,355	995,375
Electric	86,830	98,511	108,385	142,706	168,276	197,908
Sweden—						
Open hearth, acid ..	198,884	211,038	218,949	193,727	213,061	238,204
do. basic	496,145	494,249	535,817	505,827	496,068	527,645
Bessemer, acid ..	27,857	28,236	30,646	28,238	28,648	37,246
do. basic	115,628	143,076	125,783	205,738	293,586	358,526
Electric	575,632	603,751	728,170	797,548	779,487	930,796
Yugoslavia—						
Open hearth	407,000	412,821	418,668	487,607	578,765	746,844
Electric	14,000	14,027	16,700	19,000	27,602	46,449
United States—						
Ingots—						
Open hearth, acid ..	425,362	540,169	481,525	453,370	219,062	(c) 495,399
do. basic	76,429,590	82,423,536	73,283,539	89,050,585	71,380,259	693,575,509
Bessemer	4,048,712	4,366,916	3,146,140	3,442,594	2,275,093	2,963,854
Crucible and electric	5,292,419	6,288,720	5,985,477	6,451,812	4,804,650	7,461,742
Castings (b)—						
Open hearth, acid ..	111,118	155,430	146,188	123,500	55,819	} 173,352
do. basic	54,027	65,256	58,782	81,316	65,837	
Electric	99,553	88,409	84,098	48,358	48,969	
Japan—						
Open hearth	3,838,400	5,290,000	5,747,137	6,183,701	6,265,084	7,690,201
Bessemer, basic ..	191,300	193,000	196,843	339,003	357,968	400,267
Electric	740,500	916,100	934,007	1,018,444	1,004,465	1,168,645

(a) Information not available.

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

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

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

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Pig-iron—						
Forge and foundry ..	15,490	3,641	119	1,257	18,578	29,058
Refined ..	16,574	11,986	4,410	4,825	7,158	12,020
Other ..	3,355	340	196	303	18,012	10,097
Spiegeleisen and ferro-manganese ..	2,530	1,437	1,785	950	8,903	1,195
Ferro-tungsten ..	1,171	394	96	133	398	587
Ferro-molybdenum ..	147	78	232	312	248	430
Ferro-titanium ..	568	535	519	366	304	308
Ferro-vanadium ..	209	58	73	125	6	23
Other ferro-alloys ..	622	358	621	898	1,237	1,646
Iron and steel ingots ..	84	130	22	64	103	250
Blooms, billets and slabs—						
Iron ..	29	7	10	132	51	76
Steel ..	5,856	4,407	87	512	1,950	2,863
Special steel ..	761	721	40	300	651	379
Old and scrap (b) ..	6,310	2,378	545	1,743	6,287	9,111
Channel Islands (Jersey)—						
Scrap ..	1,349	1,836	1,497	2,804	1,131	2,562
Malta—						
Scrap ..	(a)	(a)	(a)	(a)	11,267	9,047
Nigeria—						
Scrap ..	(a)	(a)	(a)	(a)	1,052	2,839
Southern Rhodesia—						
Pig-iron ..	6,135	8,162	3,666	4,671	1,927	195
Ferro-chrome ..	(a)	(a)	(a)	247	2,294	6,616
Ferro-silicon ..	(a)	(a)	(a)	(a)	394	93
Union of South Africa—						
Pig-iron ..	17,701	3,163	8,390	5,339	42,315	21,756
Ferro-alloys ..	969	1,900	5,540	7,899	(a)	(a)
Ingots, blooms, billets, etc. ..	39	56	117	17	(a)	(a)
Tool and drill steel ..	337	252	137	51	(a)	(a)
British West Indies—						
Trinidad and Tobago—						
Old and scrap ..	3,000	600	10,407	16,058	6,684	10,974
Canada—						
Pig-iron ..	173,686	199,674	335,703	308,406	180,896	227,207
Spiegeleisen ..	316	—	—	508	—	—
Ferro-chrome ..	29,389	39,046	39,545	30,200	13,664	11,030
Ferro-manganese ..	23,724	60,275	27,937	610	3,249	26,254
Ferro-silicon ..	53,271	69,262	71,574	48,578	30,984	52,290
Other ferro-alloys ..	2,655	1,466	2,993	471	761	966
Billets, ingots and blooms ..	152,196	34,855	50,292	113,404	4,773	237,919
Old and scrap ..	55,909	35,539	78,382	366,079	499,349	529,221
Tin-plate scrap ..	21,483	23,266	25,347	23,301	25,542	29,100
Hong Kong (including re-exports)—						
Pig-iron ..	34	34	—	—	2	—
Special steel ..	602	1,624	2	34	24	45
Old and scrap ..	39,576	57,564	42,265	41,321	35,127	64,057
Tinplate scrap ..	(a)	(a)	(a)	1,372	2,866	2,359
India—						
Pig-iron ..	30,402	51,399	9,234	17,700	11,279	38,568
Old and scrap ..	—	32,457	324,735	390,795	126,126	148,057

(a) Information not available.

(b) Excluding ships intended for breaking up as follows (long tons):—1950—4,542; 1951—314; 1952—Nil; 1953—Nil; 1954—32,200; 1955—8,602.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Malaya (including re-exports)—						
Pig-iron	93	332	169	76	160	274
Ingots, slabs etc. ..	(a)	(a)	(a)	36	555	105
Scrap	19,556	38,878	110,739	82,955	50,772	57,111
Tin-plate scrap	52	1,080	1,986	1,613	2,419	2,684
Australia (b) (c)—						
Pig-iron	11,001	4,921	13,931	161,131	116,311	60,278
Ferro-alloys	44	131	70	185	8	11
Ingots, blooms and billets	7,233	1,765	2,011	78,446	106,061	7,806
Old and scrap	1,694	6,851	3	26,665	119,337	49,835
Tin-plate scrap	8,370	10,735	9,858	11,180	8,394	11,642
New Zealand—						
Scrap	3,547	8,926	12,643	33,831	19,728	26,224
Irish Republic—						
Old and scrap	7,569	8,082	12,183	18,520	15,186	19,688
FOREIGN COUNTRIES						
Austria—						
Pig-iron	410,546	354,367	521,859	519,648	293,770	317,909
Iron ingots and bars ..	3,687	37	300	83,605	40,088	37,501
Steel ingots and bars ..	20,184	25,593	27,293	131	—	261
Scrap	2,667	2,382	11,372	10,072	4,795	2,117
Belgium-Luxemburg						
E.U.—						
Pig-iron	26,357	40,252	12,987	21,657	42,696	35,932
Spiegeleisen					4,677	4,678
Ferro-manganese	99	68	111	10	3,230	7,044
Other ferro-alloys	169	5	43	6	7	54
Crude iron and steel ingots	3,051	27,758	6,243	10,290	1,107	3,014
Steel blooms and billets	280,496	391,171	515,372	340,015	365,865	408,725
Special steel	700	11,216	17,513	2,173	1,918	2,176
Old and scrap	32,686	10,315	55,661	175,848	183,358	83,981
Denmark—						
Old and scrap	29,274	9,308	12,010	19,389	20,115	26,227
Finland—						
Pig-iron	22,384	13,447	7,056	3,026	1,031	15,369
Ferro-alloys	150	265	—	—	—	6
Old and scrap	3	552	358	2,392	963	1,097
France—						
Pig-iron	284,400	323,062	309,954	273,959	117,295	407,674
Spiegeleisen	17,642	9,818	10,770	1,209	1,212	5,500
Ferro-manganese	34,388	28,846	18,287	42,460	54,891	96,742
Ferro-silicon	2,643	11,562	4,074	2,539	8,096	12,018
Ferro-chrome	2,370	4,338	4,599	6,232	6,051	11,615
Other ferro-alloys	1,170	893	917	1,631	1,888	3,051
Ingots	3,061	13,706	2,080	13,643	11,146	48,744
Blooms and billets, forged or rolled ..	454,965	285,788	174,808	324,682	432,739	432,417
Old, filings and scrap ..	457,603	160,227	87,170	68,584	852,038	659,211
Germany (Federal)—						
Pig-iron	466,565	453,823	325,678	199,823	374,116	301,934
Ferro-manganese	510					
Ferro-silicon, etc.	85	1,536	2,551	60,555	8,912	28,273
Other ferro-alloys	2,056					
Rough blooms, bars, ingots, etc.	93,797	26,818	67,883	146,145	361,645	316,921
Old and scrap	2,545,531	721,537	428,515	478,298	759,597	486,968

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Revised.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Greece—						
Scrap	66	14,038	26,868	9,789	12,354	5,333
Italy—						
Pig-iron	16	1	6	—	—	420
Spiegeleisen	1	—	2,633	—	—	—
Ferro-manganese	285	466	694	1,147	1,001	550
Ferro-silicon	22,307	13,617	20,112	3,571	9,248	9,988
Ferro-silico-manganese	361	1,562	3,282	427	153	—
Ferro-chrome	195	528	200	67	5	220
Other ferro-alloys	172	527	183	—	—	14
Ingots, blooms and sheet bar	395	1	98	266	29,131	16,284
Scrap	1,157	55	109	604	217	758
Netherlands—						
Pig-iron	252,225	239,084	219,256	196,231	206,274	259,065
Ferro-alloys .. .. .							30	30	192
Ingots, blooms and billets	14,782	8,269	3,281	1,727	30	14
Old and scrap	151,967	30,308	58,728	150,240	140,145	197,784
Norway—						
Pig-iron—electric	26,095	39,665	35,614	26,579	37,086	51,436
Ferro-chrome	16,152	21,624	19,414	14,293	10,562	25,542
Ferro-manganese	82,178	79,161	83,488	64,361	48,669	64,478
Ferro-silicon	52,805	49,343	54,736	55,086	64,490	73,947
Ferro-silico-manganese	19,183	22,482	17,797	11,580	22,354	30,437
Other ferro-alloys	665	342	87	5	277	280
Steel ingots	3	1,175	537	3	678	3,838
Tool steel	(a)	(a)	(a)	1,185	1,560	2,148
Old and scrap	1,187	238	1,746	787	677	1,224
Portugal—						
Old and scrap	17,311	23,509	15,497	11,946	9,842	33,510
Spain—						
Pig-iron	647	39,495	30,366	46,766	19,455	22,205
Iron and steel ingots and blooms	7	9	1	—	—	(a)
Old and scrap	38	—	18	1	—	(a)
Sweden—						
Pig-iron	68,208	66,657	50,559	99,360	60,250	56,450
Sponge iron	8,517	14,073	8,657	12,022	16,092	21,130
Ferro-manganese	981	369	365	364	824	1,059
Spiegeleisen	—	—	92	—	—	—
Ferro-silicon	5,653	4,794	5,783	3,573	6,739	6,844
Ferro-silico-manganese	878	220	82	3	319	35
Ferro-chrome	4,624	5,150	6,488	5,694	6,325	10,935
Ferro-tungsten	758	347	107	93	173	110
Other ferro-alloys	442	800	707	67	126	241
Steel ingots	19	9,196	8,527	4,940	2,484	5,050
Steel blooms	137	—	92	—	—	—
Tool steel	436	688	436	427	407	329
Other special steel	2,553	2,607	1,961	1,608	1,906	2,738
Old, filings and scrap	4,381	4,685	5,849	5,445	6,883	12,798
Switzerland—						
Pig-iron and steel, etc.	9,927	525	65	500	2,828	4,417
Ferro-chrome and ferro-silicon, etc.	1,289	3,724	3,235	1,369	2,273	960
Old, filings and scrap	30,781	5,852	7,266	2,630	3,584	2,981
Yugoslavia—						
Ferro-chrome	2,216	3,206	1,689	1,853	1,855	3,490
Ferro-manganese	1,321	846	2,322	1,335	2,215	4,019
Silico-manganese	143	1,283	359	1,132	123	797
Ferro-silicon	475	845	329	30	229	671
Other ferro-alloys	—	167	20	(a)	(a)	(a)
Scrap	(a)	(a)	505	1,443	770	445

(a) Information not available.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Algeria—						
Old, filings and scrap ..	63,731	78,805	68,020	77,440	64,546	62,874
Egypt—						
Scrap	118	—	115	5,393	(a)	(a)
Morocco (French)—						
Old and scrap	19,422	(a)	21,955	37,450	22,438	(a)
Mozambique—						
Scrap	159	1,688	2,768	3,993	621	2,213
Tunis—						
Scrap	24,202	68,804	44,979	34,221	26,967	42,712
Cuba—						
Old and scrap	18,215	29,764	28,852	27,826	16,502	(a)
Mexico—						
Ferro-alloys	1	486	918	—	—	1,275
Ingots	3	—	—	—	—	—
United States—						
Pig-iron	6,083	5,853	12,576	16,819	9,149	31,240
Ferro-manganese and spiegeleisen	841	641	1,327	993	1,546	1,597
Ferro-chrome	309	214	1,138	542	1,879	4,191
Ferro-molybdenum ..	526	662	487	289	111	156
Ferro-vanadium	37	55	131	70	63	196
Ferro-silicon	1,771	2,478	6,464	1,516	1,857	1,508
Ferro-tungsten	149	127	132	16	5	1
Ferro-titanium	153	157	290	165	153	219
Other ferro-alloys ..	38,283	49,391	39,772	21,127	21,884	47,615
Steel ingots, slabs, blooms, billets and sheet bars	53,347	119,003	635,778	60,602	26,274	539,905
Old and scrap	186,406	196,344	299,381	259,979	1,329,972	4,501,849
Tin-plate scrap and waste	55,309	56,765	3,570	5,195	944	960
Brazil—						
Pig-iron	(a)	33,448	5,642	(a)	(a)	20,549
Ferro-manganese	(a)	4,532	1,060	(a)	(a)	(a)
Ferro-nickel	(a)	54	89	(a)	(a)	(a)
Ferro-silicon	(a)	1,705	830	(a)	(a)	98
Chile—						
Pig-iron	49	38,533	53,866	11,969	32	(a)
Ferro-manganese	4,178	6,445	1,975	2,210	6,014	(b) 7,024
Ingots and bars	666	9,847	2,881	170	3,507	(b) 3,402
Indonesia—						
Scrap	3,515	487	24,825	153,871	16,511	46,775
Japan—						
Ferro-chrome	1,319	251	14	49	7	2,576
Ferro-manganese	2,496	3,630	7,972	23,573	14,230	41,532
Ferro-silicon	451	566	323	972	840	2,372
Other ferro-alloys	2,737	1,366	363	557	5,725	7,437
Ingots, blooms and billets	77,365	37,678	175,229	115,695	129,338	343,442
Scrap	67,863	9,754	1,840	263	4,672	599
Korea (South)—						
Scrap	492	57,331	101,735	15,117	6,423	7,035
Philippine Republic—						
Scrap	(a)	29,426	9,432	6,889	7,000	20,112
Turkey—						
Ingots and blocks	—	23,319	18,849	—	—	19,657
Ferro-alloys	(a)	1,968	—	—	—	—
Old and scrap	2,658	20,686	41,730	11,023	2,809	2,981

(a) Information not available.

(b) January to November only.

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

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Pig-iron—						
Charcoal	411	1,143	2,242	646	187	570
Forge and foundry	6,269	5,481	2,471	—	—	7,827
Hematite	25,300	53,282	107,982	114,924	43,944	66,582
Basic	159,454	237,785	613,389	573,941	290,048	588,884
Other pig-iron	3,149	3,440	5,402	3,122	3,739	6,627
Sponge-iron	335	923	678	961	1,266	2,830
Spiegeleisen and ferro-manganese	485	1,167	718	762	3,386	16,550
Ferro-silicon	65,608	64,136	84,433	62,752	35,017	70,361
Ferro-silicon-chrome			588	171	662	1,695
Ferro-chrome	12,117	22,279	33,729	16,821	9,134	26,187
Silico-manganese	10,464	12,568	12,322	10,821	6,898	10,308
Other ferro-alloys	782	506	1,980	250	614	1,740
Iron and steel ingots	432	1,274	352,785	137,128	33,754	183,103
Blooms, billets, slabs—						
Iron	47	2	17	1,002	2,229	633
Steel	160,751	102,657	387,014	394,413	67,976	291,483
Special steel	139	27	15,724	6,568	2	1,106
Old and scrap (b)	1,958,310	589,429	728,386	861,028	759,126	1,271,720
Anglo-Egyptian Sudan—						
Pig-iron						
Crude iron and steel	5,022	5,673	8,341	12,220	(a) 9,719	(a) 7,155
Kenya—						
Pig-iron						
Ingots, blooms, etc.	300	201	558	923	573	701
.. ..	1	6	—	—	260	1,833
Mauritius—						
Pig-iron, ingots etc.						
.. ..	25	20	5	41	18	6
Northern Rhodesia—						
Pig, ingots, etc.						
.. ..	5,484	6,580	5,122	5,607	(d)	(d)
Southern Rhodesia—						
Pig, ingots, etc.						
.. ..	297	698	4,340	2,520	(e) 420	(e) 305
Tool and drill steel	425	269	199	127	(e) 23	(e) 212
South West Africa—						
Pig-iron						
.. ..	107	3	86	241	—	(a)
Ferro-alloys	4	74	212	299	(a)	(a)
Tool and drill steel	52	28	11	17	12	(f)
Tanganyika—						
Pig-iron						
.. ..	189	356	209	233	150	206
Ferro-alloys	20	76	—	60	—	—
Ingots, blooms, etc.	2	1	1	2	6	873
Union of South Africa—						
Pig-iron and steel ingots						
.. ..	656	198	194	65	54	(a)
Ferro-silicon	11	5	—	2	8	(a)
Ferro-manganese	18	39	56	90	9	(a)
Other ferro-alloys	78	161	61	70	164	(a)
Tool and drill steel	2,487	1,891	4,492	651	461	(g) 619
Trinidad and Tobago—						
Pig-iron						
.. ..	6	(c) 57	1	23	5	21
Ingots, etc.	3	203	153	12	8	41
Canada—						
Pig-iron						
.. ..	26,454	19,299	1,487	22,754	17,865	11,962
Sponge iron	9	39	6	8	105	379
Ferro-manganese	908	261	1,454	932	7,613	3,522

(a) Information not available.

(b) Excluding ships intended for breaking up as follows (long tons):—1950—124,890; 1951—52,511; 1952—116,203; 1953—203,832; 1954—245,775; 1955—149,890.

(c) Excess of re-exports. (d) Included under Southern Rhodesia.

(e) Federation of Rhodesia and Nyasaland.

(f) Included under Union of South Africa.

(g) Including South West Africa.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Canada <i>(cont.)</i> —						
Ferro-silicon	2,443	4,256	4,875	449	214	376
Ferro-tungsten	96	450	220	28	38	51
Silico-manganese	73	302	136	16	17	243
Other ferro-alloys	708	520	1,197	1,294	1,965	5,068
Ingots, blooms and billets	22,918	106,175	129,791	25,340	4,242	3,338
Scrap	163,525	95,953	183,685	89,404	57,449	391,471
Ceylon—						
Pig-iron	707	1,482	470	398	972	429
Ingots, blooms, billets ..	(a)	(a)	(a)	(a)	(a)	1,209
Cyprus—						
Pig-iron	1,788	132	299	10	665	103
Old and scrap	(d) 1,075	(d) 2,076	(d) 317	(d) 926	1,189	(d) 1,103
Hong Kong (total imports)—						
Pig-iron	1,493	241	651	370	882	2,442
Ingots, blooms and billets	196	588	459	345	379	186
Special steel	522	673	162	664	315	162
Old and scrap	3,194	9,440	3,877	4,865	12,296	20,920
Tinplate scrap	(a)	(a)	1,814	4,631	7,073	8,525
India—						
Pig-iron	322	14	20	—	—	—
Ingots, blooms and billets	70,857	33,322	28,047	12,134	7,046	40,389
Tool steel	155	227	743	629	388	2,122
Ferro-chrome	1,111	3,718	88	50	87	193
Ferro-manganese				580	6,197	481
Ferro-silicon				9	323	266
Other ferro-alloys				315	496	192
Old and scrap	11,664	3,861	(d) 12,770	(d) 44,511	(d) 10,413	1,005
Malaya (total imports)—						
Pig-iron	3,565	13,668	2,719	639	1,314	3,593
Ferro-alloys	(a)	(a)	(a)	41	59	70
Ingots, slabs, etc.	(a)	(a)	(a)	2,041	749	316
Scrap	6,032	2,209	3,383	1,549	3,820	2,365
Tinplate scrap	25	3,798	25	6,074	4,600	4,659
Pakistan (b)—						
Pig-iron	(a)	5,640	615	5,956	30,529	13,427
Ferro-alloys	(a)	320	33	360	73	806
Ingots, blooms and billets	(a)	10,480	32,729	46,395	37,101	66,050
Tool steel	(a)	24	27	15	61	332
Old and scrap	(a)	3,526	303	—	—	47
Australia (c) (e)—						
Pig-iron	2,017	20,074	9,253	(d) 699	—	—
Ferro-manganese	578	273	54	110	684	2,206
Ferro-chrome	3,015	770	556	2,157	1,012	994
Ferro-molybdenum	11	29	28	76	152	97
Other ferro-alloys	662	738	1,698	178	1,176	7,481
Ingots and billets of high grade carbon alloy steels	312	722	267	428	79	368
Other ingots and billets	905	1,023	2,110	507	141	148
Scrap	509	554	1,140	(d) 178	(d) 3,882	175
New Zealand—						
Pig-iron	14,298	6,709	15,398	4,844	10,940	7,523
Ferro-alloys	276	185	251	54	74	9
Billets and blooms	4,736	4,249	6,114	4,369	147	140
Special steel	1,576	644	1,029	955	787	1,547

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

(d) Excess of re-exports.

(e) Revised.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955		
BRITISH COUNTRIES								
<i>(cont.)</i>								
Irish Republic—								
Pig-iron	8,687	3,788	3,199	2,914	5,062	7,292		
Ferro-alloys	771	692	81	99	522	448		
Ingots, blooms and billets	3,670	4,780	6,397	—	2,514	6,314		
Old and scrap	1,832	—	741	8	223	64		
FOREIGN COUNTRIES								
Austria—								
Pig-iron	2,411	2,041	1,824	460	1,941	5,982		
Ferro-manganese ..	5,413	4,444	6,862	2,709	4,308	5,951		
Ferro-silicon	2,717	3,289	5,558	2,415	2,902	6,629		
Other ferro-alloys ..	6,399	4,713	5,410	4,384	7,544	8,915		
Iron ingots	327	2,546	12,312	1,939	9,025	13,116		
Steel ingots	1,476	8,130	52,065	—	—	27		
Scrap	70,438	58,968	45,379	32,463	56,499	83,834		
Belgium-Luxemburg								
E.U.—								
Pig-iron	82,295	117,217	223,903	172,594	205,518	378,360		
Sponge-iron							263	615
Spiegeleisen							8,478	8,994
Ferro-chrome, etc. ..							(b)	1,107
Ferro-manganese ..							47,316	78,626
Ferro-silico-manganese							(b)	(b)
Ferro-molybdenum ..							(b)	(b)
Ferro-silicon							(b)	(b)
Ferro-tungsten							(b)	(b)
Other ferro-alloys ..							9,705	20,800
Crude iron ingots ..							1,908	95
Steel ingots							90	148
Blooms and billets ..							9,636	4,221
Special steel							6,751	8,204
Old and scrap							388,790	259,073
Denmark—								
Pig-iron	52,821	54,937	47,929	40,791	49,578	57,298		
Ferro-chrome	174	235	329	151	158	211		
Ferro-manganese, etc. .	756	2,241	1,278	2,406	3,535	2,716		
Ferro-silicon	3,971	3,954	4,402	5,558	4,126	2,616		
Other ferro-alloys ..	422	235	29	88	9	418		
Old and scrap	3,214	1,658	2,536	1,723	1,614	4,670		
Finland—								
Pig-iron	7,788	7,399	21,136	6,344	49,607	7,598		
Billets	13,929	33,272	38,207	16,957	51,945	29,626		
Ferro-manganese and spiegeleisen	696	1,637	1,186	1,165	1,620	1,754		
Other ferro-alloys ..	950	1,230	2,831	2,100	1,640	2,219		
Old and scrap	13,385	4,118	41,728	31,673	49,380	66,399		
France—								
Pig-iron—hematite ..	7,860	10,860	12,457	35,763	82,144	113,391		
do. other	2,116	3,682	3,511	10,183	9,797	13,709		
Spiegeleisen	2,406	1,915	2,736	3,140	15,955	16,589		
Ferro-manganese	102	153	479	563	2,686	6,012		
Ferro-silicon	1,495	18	59	60	507	57		
Ferro-chrome	5	1	—	4	13	20		
Other ferro-alloys ..	172	22	36	18	1,612	14,039		
Ingots	1,993	5,039	1,425	13	9,168	7,515		
Blooms and billets, rolled or forged ..	23,423	67,168	44,320	80,329	141,783	233,025		
Old, filings and scrap ..	3,501	5,999	9,321	15,966	86,789	363,236		

(a) Information not available.

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

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Pig-iron	11,200	30,557	145,371	65,727	120,319	195,520
Ferro-alloys	13,120	24,833	29,961	16,990	66,689	103,786
Rough blooms, ingots, bars, etc.	8,496	6,588	153,369	89,291	102,379	142,065
Old and scrap	43,524	10,314	25,871	161,880	597,146	1,110,300
Greece—						
Pig-iron	15,441	11,125	11,493	5,251	28,730	31,367
Ingots, blooms, slabs, etc. (a)	(a)	(a)	(a)	(a)	38,692	54,445
Scrap (a)	(a)	(a)	(a)	(a)	2,354	1,734
Italy—						
Pig-iron	206,010	140,547	100,493	95,148	222,482	338,877
Spiegeleisen	1,537	3,329	4,064	2,162	1,129	2,506
Ferro-chrome	1,924	907	1,407	2,385	3,240	3,401
Ferro-manganese	1,696	219	19	162	789	3,847
Ferro-molybdenum	85	78	218	282	183	169
Other ferro-alloys	772	236	402	1,015	1,025	1,075
Steel ingots	61,884	28,563	28,811	22,289	23,973	27,296
Steel blooms and sheet bar	47,312	98,871	65,809	105,668	114,529	104,571
Old and scrap	495,083	673,368	673,744	1,014,848	1,469,354	2,226,421
Netherlands—						
Pig-iron and spiegeleisen	8,302	6,688	3,412	3,470	15,203	16,725
Ferro-manganese					5,401	7,376
Ferro-chrome					188	165
Ferro-silicon	6,518	7,546	7,062	5,173	1,821	2,274
Ferro-silico-manganese					401	236
Ferro-molybdenum					24	32
Other ferro-alloys					31	65
Ingots, blooms, billets, etc.	3,701	4,008	3,852	37,420	99,366	241,492
Old and scrap	3,181	2,294	3,574	3,513	32,137	68,580
Norway—						
Pig-iron	3,796	28,222	16,277	15,054	20,386	21,171
Ferro-tungsten and ferro-vanadium	19	3	21	19	12	26
Other ferro-alloys	20	45	93	76	148	165
Ingots, blooms, billets, etc.	9,808	28,145	25,421	8,518	3,858	4,259
Tool steel, etc. (a)	(a)	(a)	(a)	(a)	806	826
Old and scrap	6,735	4,817	5,528	4,214	8,973	15,863
Portugal—						
Iron and steel ingots	11,797	13,880	7,283	8,981	13,537	12,933
Ferro-alloys		129	159	117	3	24
Old and scrap	837	1,414	596	1,091	4,709	2,920
Spain—						
Pig-iron	25	2,738	1,600	1,223	1,963	1,701
Ferro-manganese	3,476	866	4,403	5,460	3,339	1,729
Other ferro-alloys	1,147	280	448	978	262	146
Special steel	1,906	1,208	2,729	4,298	3,330	2,373
Old and scrap	80,270	47,726	23,885	32,499	52,907	62,728
Sweden—						
Pig-iron	100,368	72,934	116,862	52,396	98,490	97,461
Spiegeleisen	128	—	57	15	30	76
Ferro-manganese	2,258	2,327	1,445	1,850	2,897	3,032
Ferro-chrome	2,035	2,462	1,612	1,310	1,350	1,883
Ferro-silicon and ferro-silico-manganese	401	218	392	292	436	1,735
Ferro-tungsten	72	10	—	1	—	49
Other ferro-alloys	411	679	262	786	459	1,097
Tool steel	1	9	17	4	4	7
Old, filings and scrap	172,830	78,608	92,378	34,243	46,008	69,556

(a) Information not available.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Switzerland—						
Pig-iron, steel billets, blooms, etc.	85,745	91,158	103,795	53,903	134,330	155,713
Ferro-chrome and ferro-silicon etc.	1,280	8,037	3,070	1,375	3,411	4,036
Old, filings and scrap . .	4,950	1,890	318	8,460	12,198	28,602
Yugoslavia—						
Pig-iron	23,712	20,374	17,643	11,576	28,219	523
Ferro-alloys	206	207	144	186	343	373
Ingots, blooms and billets	1,582	2,012	2,595	4,668	—	—
Scrap	67,746	12,963	21,274	3,872	75,245	21,831
Algeria—						
Pig-iron	1,555	1,282	1,738	774	873	1,102
Spiegeleisen and ferro-alloys	171	456	475	418	363	538
Ingots, blooms and billets	13,777	18,540	17,421	12,038	14,455	21,122
Old, filings and scrap . .	281	253	147	318	42	408
Belgian Congo—						
Pig-iron	993	1,440	(a)	2,430	1,214	3,017
Ferro-alloys	158	401	(a)	312	161	75
Egypt—						
Pig-iron and spiegeleisen	12,911	6,683	3,153	2,575	1,591	3,527
Ferro-alloys	244	973	657	795	690	1,286
Ingots, billets, etc. . . .	5,588	2,549	541	8	1,611	2,158
Special steel	1,906	746	934	1,351	1,122	1,872
Scrap	2,499	4,196	3,133	2,039	1,187	2,562
Morocco (French)—						
Pig-iron	1,167	(a)	1,310	1,630	1,220	(a)
Ferro-alloys	39	(a)	160	154	112	(a)
Scrap, etc.	2,259	(a)	1,573	1,913	522	(a)
Tunis—						
Pig-iron	101	38	(a)	9	66	77
Steel ingots and billets	(a)	4	(a)	2	3	—
Old and scrap	217	33	(a)	1,887	364	2,479
Cuba (total imports)—						
Iron ingots	492	934	322	284	424	(a)
Mexico (total imports)—						
Pig-iron	913	1,219	1,723	1,501	344	5,347
Ferro-manganese	2,372	940	894	123	130	145
Other ferro-alloys	1,980	2,917	2,861	1,200	1,298	2,784
Steel ingots, blooms and billets	1,036	50	5	9	7,587	5
Scrap	117,254	117,892	129,523	115,250	166,278	206,359
Tin-plate scrap	8,683	15,298	11,187	24,285	32,891	24,208
United States—						
Pig-iron	718,571	952,244	339,464	526,630	259,568	253,177
Spiegeleisen	7,737	—	39	701	—	—
Ferro-chrome	19,315	24,368	19,067	29,716	14,976	27,054
Ferro-manganese	96,691	106,932	57,227	112,963	50,689	58,985
Ferro-silicon	13,162	26,323	11,450	12,324	15,685	21,749
Ferro-titanium	116	222	100	154	4	28
Ferro-tungsten	785	901	281	336	276	373
Sponge iron	6,733	11,445	5,420	5,335	3,446	4,000
Bar-iron, slabs, blooms, etc.	345	625	284	155	195	71
Steel ingots, blooms, etc.	161,178	124,665	54,566	119,363	7,832	130,447
Scrap	621,589	320,624	94,550	116,246	184,211	175,352
Tin-plate scrap	42,394	51,571	42,659	37,478	29,171	28,721

(a) Information not available.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Pig-iron	91,824	69,646	55,452	83,686	27,029	186,891
Ferro-manganese ..	2,217	2,394	1,480	2,169	4,176	698
Ferro-silicon	1,140	2,348	1,320	987	969	623
Ingots	160,984	177,680	109,583	58,000	453,081	596,307
Old and scrap	61,756	17,790	13,743	2,137	—	—
Brazil (total imports)—						
Pig-iron, etc.	(a)	1,652	1,591	6,514	155,358	57,497
Ferro-manganese ..	(a)	13	—	59	166	49
Ferro-silicon	(a)	28	(a)	196	1,398	543
Ferro-chrome	(a)	(a)	(a)	49	114	54
Other ferro-alloys ..	(a)	(a)	(a)	18	227	120
Special steel	(a)	107	463	301	637	356
Filings	(a)	113	299	49	109	119
Chile—						
Pig-iron	305	850	104	31	(a)	(a)
Ferro-manganese ..	105	265	243	59	(a)	(a)
Ferro-silicon	853	1,331	1,173	530	121	(a)
Other ferro-alloys ..	57	485	140	164	(a)	(a)
Steel ingots	1,536	140	78	828	(a)	(a)
Colombia (total imports)						
Pig-iron	1,793	624	370	869	1,270	199
Ferro-alloys	(a)	57	55	153	1,094	590
Peru—						
Pig-iron	1,269	681	446	674	431	849
Ferro-alloys	100	173	110	213	85	239
Uruguay—						
Ingots	11,222	16,137	9,820	12,173	(a)	(a)
Ferro-manganese ..	66	} 370	} 279	} 263	} (a)	} (a)
Ferro-silicon	116					
Other ferro-alloys ..	14					
Venezuela—						
Pig-iron	(a)	(a)	1	282	527	3,698
Ferro-alloys	(a)	(a)	137	270	94	296
Formosa—						
Blooms, billets, etc. ..	37	—	2,586	4,831	6,484	7,367
Special steel	381	123	623	711	1,454	885
Ferro-alloys	(a)	(a)	141	371	504	(a)
Old and scrap	—	1,649	2	100	10,699	2,135
Iran (b)—						
Ingots, etc. old and scrap ..	(a)	1,361	742	438	2,262	(a)
Israel—						
Pig-iron	2,450	3,674	1,238	5,253	2,507	2,808
Ferro-alloys	3	34	12	323	32	(a)
Japan—						
Pig-iron	1,551	42,396	6,538	2,425	2,815	18,225
Ferro-alloys	(a)	914	1,828	2,209	2,092	163
Old and scrap	43,926	210,763	497,777	1,122,749	962,682	1,266,633
Lebanon—						
Pig-iron	1,901	314	591	1,888	4,235	2,687
Ferro-alloys	1	2	1	4	2	279
Old and scrap	581	423	991	557	518	2,586
Philippine Republic—						
Pig-iron	226	69	327	364	482	(a)
Ferro-alloys	27	178	192	320	129	224
Syria—						
Pig-iron	223	94	(a)	374	1,326	364
Scrap	1,520	538	(a)	157	906	475
Turkey—						
Ferro-alloys	413	103	115	242	952	132
Special steel	951	2,878	2,613	2,760	1,723	2,205
Old and scrap	5	13	2	45	—	5

(a) Information not available.

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

LEAD
PRODUCTION OF LEAD ORE

(Metal content)

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	3,288	4,847	5,687	7,992	8,692	7,413
Nigeria	12	4	27	35	9	16
Northern Rhodesia (b) ..	13,685	13,970	12,600	11,510	15,000	16,050
Southern Rhodesia	—	—	—	40	—	14
South West Africa	33,151	38,611	52,008	58,292	68,881	80,700
Tanganyika (c)	642	1,537	2,371	2,755	2,118	(e) 4,300
Uganda	30	4	7	16	62	47
Union of South Africa ..	593	879	562	483	161	499
Canada (d)	147,944	141,278	150,752	172,952	195,085	173,191
Hong Kong	—	—	378	322	188	203
India	1,040	1,300	1,440	2,020	2,081	(e) 2,700
Australia	218,872	224,533	232,761	244,913	284,862	295,944
TOTAL	419,300	427,100	458,600	501,300	577,100	581,100
Irish Republic	245	779	1,872	898	1,349	(a)
FOREIGN COUNTRIES						
Austria	4,530	4,861	5,910	5,562	5,408	5,417
Finland	140	213	213	214	257	762
France	12,234	10,874	12,132	12,215	11,000	9,000
Germany—						
Federal Republic	44,230	49,581	50,782	61,767	66,224	66,370
East	2,500	2,600	3,800	4,200	5,000	6,000
Greece	934	2,722	3,116	3,640	3,166	4,532
Italy	37,841	38,126	38,014	36,304	40,158	44,767
Norway	224	407	406	517	695	699
Poland (e)	20,000	20,000	21,000	21,000	21,000	21,000
Portugal	1,290	1,595	1,891	1,669	1,724	1,441
Roumania (b) (g)	8,500	(e) 9,000	(e) 9,000	(e) 9,000	(e) 10,000	10,900
Spain	38,833	40,167	42,435	53,938	54,860	62,407
Sweden	22,315	19,382	20,991	25,131	29,224	31,660
U.S.S.R. (smelter) (e) ..	125,000	170,000	200,000	240,000	275,000	290,000
Yugoslavia	84,676	77,506	77,721	83,807	82,799	88,659
Algeria	1,379	2,785	4,153	7,734	10,041	10,040
French Equatorial Africa	1,785	2,466	3,563	4,350	3,428	3,405
Morocco (French)	47,452	67,107	82,289	79,071	81,325	88,094
Morocco (Spanish)	220	420	720	660	460	680
Tunis	18,961	20,910	22,902	24,103	26,305	26,555
Guatemala	(f) 1,892	(f) 2,731	(f) 4,132	(f) 4,181	(f) 2,469	(f) 3,298
Honduras	275	446	530	(f) 30	(f) 1,187	(f) 625

(a) Information not available.

(b) Smelter.

(c) Exports.

(d) Amount estimated as recoverable.

(e) Estimated.

(f) Imports into the United States.

(g) Revised.

PRODUCTION OF LEAD ORE (cont.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico (b)	234,318	221,907	242,142	218,049	213,203	207,486
United States (b)	384,667	346,575	348,358	305,932	290,560	297,704
Argentina (c)	23,000	23,600	18,800	15,800	18,800	22,300
Bolivia (exports)	30,684	30,581	29,559	24,089	17,939	18,821
Brazil (smelter)	(a)	(a)	(a)	2,901	2,702	3,596
Chile	3,266	7,678	6,534	5,161	(c) 5,000	(c) 5,000
Ecuador	221	30	112	112	—	154
Peru	63,888	81,049	96,520	112,770	108,328	113,845
Burma	1,098	5,815	3,861	9,000	14,000	16,856
Iran (d)	2,000	17,200	16,000	7,900	17,800	(a)
Japan	10,718	12,667	17,206	18,359	22,478	26,745
Korea (South) (c)	50	10	180	130	50	600
Philippine Republic	865	562	2,264	2,396	1,798	2,281
Siam	680	1,300	1,089	3,525	5,165	5,233
Turkey	190	740	1,470	6,671	10,013	3,447
TOTAL	1,222,000	1,266,000	1,370,000	1,400,000	1,450,000	1,510,000
WORLD'S TOTAL	1,640,000	1,694,000	1,830,000	1,903,000	2,028,000	2,091,000

(a) Information not available.

(b) Amount estimated as recoverable.

(c) Estimated.

(d) Years ended March 21 following that stated. Source: U.S. Bureau of Mines.

METAL PRODUCTION OF LEAD
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b) ..	3,000	4,100	4,700	6,600	6,800	6,100
Northern Rhodesia ..	13,685	13,970	12,600	11,510	15,000	16,050
Canada	151,806	144,643	163,342	147,993	148,219	132,867
India	626	859	1,132	1,694	1,791	2,234
Australia (d) ..	197,547	197,630	194,348	206,518	238,555	224,526
TOTAL	366,700	361,200	376,100	374,300	410,300	381,800
FOREIGN COUNTRIES						
Austria (c)	10,738	10,971	10,240	10,984	9,956	9,496
Belgium (c)	61,113	69,530	74,232	75,145	70,768	81,469
Czechoslovakia (b) ..	5,500	6,000	6,000	8,000	8,000	8,000
France	60,269	47,218	53,508	53,920	60,446	65,525
Germany—Federal ..	65,567	74,862	91,218	106,073	108,486	105,887
do. East (b) (c) ..	12,000	16,600	17,800	26,000	30,000	30,000
Greece (f)	2,091	1,432	2,421	3,294	2,716	2,478
Italy	36,877	35,904	33,759	37,394	36,741	41,149
Poland (b)	20,000	20,000	21,000	21,000	21,000	21,000
Portugal	582	713	1,048	869	990	957
Roumania (f)	8,500	(b) 9,000	(b) 9,000	(b) 9,000	(b) 10,000	10,900
Spain	39,928	44,005	45,808	50,440	57,694	60,269
Sweden	16,417	9,160	10,905	15,898	19,774	20,890
U.S.S.R. (b)	125,000	170,000	200,000	240,000	275,000	290,000
Yugoslavia	56,301	59,119	66,119	69,678	65,675	74,418
Morocco (French) ..	—	18,100	27,800	27,000	26,266	26,268
Tunis	23,164	22,544	25,103	26,849	26,761	26,072
Guatemala	267	59	311	648	(a)	(a)
Mexico	226,959	215,307	233,243	210,893	205,863	195,050
United States (e) ..	450,937	370,204	421,830	417,610	434,486	427,674
Argentina	18,700	23,700	19,600	12,800	25,600	17,700
Bolivia (exports) ..	—	505	20	677	1,446	(a)
Brazil	(a)	(a)	(a)	2,901	2,702	3,596
Peru	31,451	43,655	49,472	58,168	56,906	60,092
Burma	—	148	1,812	8,609	10,944	19,088
China (b)	4,000	5,000	6,000	6,000	6,000	6,000
Japan	9,826	10,570	15,140	17,879	29,030	32,498
Korea (South)	—	—	125	30	—	—
TOTAL	1,280,000	1,280,000	1,440,000	1,510,000	1,600,000	1,640,000
WORLD'S TOTAL ..	1,647,000	1,641,000	1,816,000	1,884,000	2,010,000	2,022,000

(a) Information not available. (b) Estimated. (c) Including secondary metal.

(d) Includes lead in base bullion as follows:—

Year	Long tons	Year	Long tons
1950	37,021	1953	34,050
1951	31,872	1954	38,146
1952	37,709	1955	37,392

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

Year	Long tons	Year	Long tons
1950	430,603	1953	434,587
1951	462,598	1954	429,397
1952	420,798	1955	448,260

(f) Revised.

EXPORTS OF LEAD, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Pig-lead	448	1,126	9,385	7,055	7,195	3,160
Sheets and pipes ..	2,428	2,399	1,668	1,154	1,105	1,769
White lead	4,846	4,133	1,389	1,403	1,523	1,776
Litharge, red lead, etc.	6,067	4,802	3,304	3,036	3,789	3,397
Nigeria—						
Ore and concentrates ..	(a)	(a)	(a)	(a)	154	73
Northern Rhodesia—						
Pig, bar and ingot ..	12,379	11,568	10,716	11,915	13,306	12,520
South West Africa—						
Copper-lead-vanadate ores and concentrates (b)	72,761	(c) 38,528	(c) 54,824	(c) 58,154	(c) 61,521	(c) 76,854
Southern Rhodesia—						
Ore	12	—	—	63	—	—
Tanganyika—						
Concentrates (Pb content)	642	1,537	2,371	2,755	2,118	(g) 4,300
Uganda—						
Ore	53	12	2	—	68	74
Union of South Africa—						
Ore	532	869	944	205	—	—
Pig, ingot and sheets ..	144	76	88	99	184	(a)
Canada—						
Ore (Pb content)	17,210	17,543	21,399	55,074	53,353	51,932
Pig-lead, etc.	102,828	94,407	115,840	91,857	103,937	82,772
Scrap	1,602	1,269	4,655	467	777	559
Pipes and tubes	85	62	44	56	25	20
White lead	926	2,576	376	1	5	6
Hong Kong—						
Ore and concentrates ..	(a)	(a)	850	595	335	376
Crude and refined unwrought (incl. alloys) (d)	247	1,022	248	154	223	412
Scrap (d)			108	6	(a)	15
Bars, sheets, pipes, etc. (d)	294	1,030	179	1	15	135
Malaya (including re-exports)—						
Pig-lead	1,602	1,111	266	846	848	761
Bars, sheets, pipes, etc.	8	9	12	75	35	15
Australia—						
Ores and concentrates (Pb content)	7,926	14,490	22,758	39,864	45,261	43,830
Pig-lead	125,630	106,180	141,431	148,433	159,328	145,874
Base bullion	34,074	33,138	31,414	42,338	36,153	38,493
Scrap (e) (f)	136	3	—	3,416	14,332	13,277
Sheets and pipes, etc. (e) (f)	541	338	787	128	633	2,802
Red and white lead, etc. (e) (f)	1,869	2,413	2,496	1,611	2,440	1,729
New Zealand—						
Scrap	463	369	1,143	933	833	(a)
Irish Republic—						
Ore	502	1,573	2,762	2,413	1,700	2,881
Scrap	(a)	(a)	1,474	1,982	(a)	2,495

(a) Information not available.

(b) For copper and vanadium contents see under appropriate headings. Also includes some zinc up to 1951.

(c) Pb content.

(d) Including re-exports.

(e) Years ended June 30 of that stated.

(f) Revised.

(g) Estimated.

EXPORTS OF LEAD, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
Austria—						
Pig-lead, alloys etc. ..	2,291	1,614	2,362	3,225	3,021	3,317
Scrap	34	—	—	—	27	206
Red and white lead, etc.	604	16	78	38	371	439
Belgium-Luxemburg						
E.U.—						
Pig-lead	44,887	46,756	59,490	49,179	48,190	54,698
Scrap	70	148	111	68	176	660
Sheets, bars, pipes and wire	6,796	7,913	3,513	3,240	4,083	3,208
Red and white lead, etc.	5,029	2,860	1,548	2,917	3,784	3,627
Denmark—						
Pig-lead	5,205	5,640	7,026	4,172	6,233	4,850
Scrap	698	338	199	207	551	198
Sheets and pipes ..	13	59	9	21	—	1
France—						
Ore	2,211	753	235	1,175	367	1,127
Pig-lead, including argentiferous and antimonial	20,927	2,846	6,414	11,373	14,471	14,150
Scrap	40	22	10	2	2	74
Bars, sheets, alloys ..	786	1,250	1,026	640	1,149	824
Red and white lead, etc.	1,312	1,710	977	838	2,363	3,901
Germany (Federal)—						
Ore	10	—	—	—	—	223
Pig-lead, alloys and scrap	57,827	18,426	30,779	36,851	30,831	31,441
Sheets, pipes, wire, etc.	1,500	4,099	76	199	166	708
Red and white lead ..	6,944	10,436	5,799	7,264	10,313	9,978
Greece—						
Ore	(a)	(a)	1,227	1,771	2,150	4,296
Pig-lead	—	363	997	783	548	248
Italy—						
Ore	3,081	5,433	6,918	7,690	8,536	10,248
Pig-lead, scrap and alloys	692	1,041	870	30	67	285
Sheets, wire and alloys	219	—	375	1,558	17	—
Red and white lead ..	242	443	173	189	442	146
Netherlands—						
Pig-lead	1,512	1,907	2,986	4,480	9,124	4,817
Scrap	2,239	4,299	974	1,885	1,827	722
Sheets and wire	560	287	1,695	898	1,037	1,265
Red and white lead ..	742	698	695	543	1,153	1,147
Norway—						
Ore	395	804	522	1,081	887	933
Pig-lead	29	39	329	57	347	247
Scrap	755	741	1,090	1,275	1,395	1,459
Portugal—						
Pig-lead, etc.	28	23	2	5	12	12
Red and white lead ..	11	21	29	15	8	7
Spain—						
Pig-lead and scrap ..	12,631	15,913	11,889	20,146	26,320	28,254
Sheets, wire, etc. ..	582	1,115	2,886	1,528	124	(a)
Sweden—						
Ore	14,725	10,987	11,785	8,214	9,950	12,777
Pig-lead	3,596	601	1,446	4,448	5,738	4,710
Scrap	160	61	136	639	195	385
Sheets and pipes	31	39	12	16	8	—
Red and white lead, etc.	111	99	128	403	464	735

(a) Information not available.

EXPORTS OF LEAD, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Ores, etc.	648	839	662	652	1,139	810
Pig-lead, scrap, etc. . .	259	349	1,371	987	1,077	1,505
Sheets and pipes	2	12	1	4	8	5
Yugoslavia—						
Concentrates	5,869	—	492	(a)	(a)	(a)
Pig-lead	52,571	50,899	61,032	60,246	56,188	61,657
Scrap	50	163	353	680	554	71
Algeria—						
Ore	2,893	3,081	7,449	6,283	15,823	12,292
Pig-lead	72	65	13	81	2,136	38
Scrap	1,442	2,670	1,251	1,497	1,920	2,415
Red and white lead . . .	9	3	1	3	3	—
French Equatorial Africa—						
Ore	3,740	3,937	5,905	8,744	6,937	5,905
Morocco (French)—						
Ore, matte and slag . . .	55,035	52,653	67,615	73,564	73,850	80,069
Pig-lead	11,494	13,871	29,328	25,593	28,485	25,145
Scrap	557	227	513	452	184	(a)
Morocco (Spanish)—						
Ore	656	741	1,144	596	979	688
Tunis—						
Ore	(a)	9	—	6	1,675	2
Pig-lead, bars and scrap	23,043	22,400	24,425	24,615	25,400	24,293
Guatemala (c)—						
Ore (Pb content)	1,892	2,731	4,132	4,181	2,469	2,604
Honduras (c)—						
Ore (Pb content)	312	—	681	30	1,187	625
Mexico—						
Ores and concentrates . .	6,322	8,666	4,096	15,267	2,702	4,060
Pig-lead, refined	248,333	163,854	198,537	202,422	197,864	166,411
Base bullion	1	1	93	144	300	4,053
Pig-lead, antimonial . . .	8,819	11,729	3,678	2,553	2,357	10,728
Pb content (b)	241,178	154,847	231,447	204,991	205,646	174,983
United States—						
Ore, mattes and base bullion (Pb content) . . .	119	498	746	927	91	13
Pig-lead, bars etc.	2,442	1,144	1,573	717	543	360
Scrap	1,407	530	67	2,416	3,476	2,664
Sheets and pipes	316	972	1,150	450	333	498
Red and white lead, etc. .	2,657	2,134	2,093	2,208	2,294	2,447
Bolivia—						
Ore, etc. (Pb content) . . .	30,684	30,076	29,539	23,412	16,493	18,821
Metal	—	505	20	677	1,446	(a)
Chile—						
Ore	—	511	7,969	6,498	(a)	(a)
Pb content (d)	2,346	8,194	10,181	5,364	(a)	(a)
Colombia—						
Ore	(a)	2	—	536	663	886
Ecuador—						
Concentrates	757	—	190	162	191	160
Peru—						
Ore and concentrates (Pb content)	28,164	39,023	46,326	42,491	48,670	48,120
Pig-lead (Pb content)—						
Pure	30,795	41,355	40,093	59,919	55,183	56,240
Impure	271	347	1,552	1,322	876	831

(a) Information not available.

 (b) Total metal content of all lead products including the above items and *not* additional.

(c) Imports into the United States.

 (d) Total metal content of all ores (*not* additional) including complex ores not shown.

EXPORTS OF LEAD, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Burma—						
Ore	(a)	(a)	(a)	(a)	844	1,822
Iran—						
Ore	(b) 3,500	(a)	(a)	(a)	(a)	(a)
Japan—						
Pig-lead	17,735	233	138	113	437	120
Sheets and plates ..	5,732	} 23	108	{ 22	18	13
Tubes	1,079				37	24	67
Philippine Republic—						
Ores and concentrates..	1,023	516	1,559	4,083	2,270	292
Scrap	340	310	—	—	—	—
Siam—						
Ore	850	(a)	(a)	6,528	(a)	(a)
Turkey—						
Ore	588	1,060	101	1,914	1,378	—
Ingots	—	—	492	—	197	—

(a) Information not available.

(b) Estimated.

IMPORTS OF LEAD, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Pig-lead	171,686	175,196	113,598	161,435	192,301	216,179
Scrap, incl. alloys ..	2,559	1,294	4,376	10,008	7,766	7,684
Sheets and pipes ..	—	3	6	3	28	10
Litharge, red lead, etc.	—	164	35	2	62	1
Anglo-Egyptian Sudan—						
Unwrought incl. scrap	(d) 1	(d) 72	(d) 63	(d) 8	(a)	(a)
White lead	—	—	32	—	(a)	(a)
Gold Coast—						
Bars, sheets, etc. ..	515	162	119	415	369	288
Kenya—						
Bars, sheets, pipes, etc.	25	36	31	5	8	64
Mauritius—						
Pig-lead, sheets, pipes, etc.	28	13	18	33	45	32
Nigeria—						
Bars and sheets ..	133	153	39	103	236	200
Northern Rhodesia—						
Sheets, pipes and foil	59	30	16	77	(b)	(b)
White lead	5	11	5	1	(b)	(b)
Sierra Leone—						
Bar and sheets ..	16	8	6	5	4	7
Southern Rhodesia—						
Pig-lead, bars, sheets and foil	242	397	198	147	(c) 235	(c) 89
Red and white lead, etc.	28	52	42	30	(c) 31	(c) 41
South West Africa—						
Bars, sheets and pipes ..	17	11	12	15	23	(e)
Red and white lead, etc.	2	1	1	—	—	(a)
Tanganyika—						
Bars, sheets and pipes, etc.	8	3	24	3	15	28
Uganda—						
Bars, sheets, pipes, etc.	5	30	2	1	2	30
Union of South Africa—						
Pig-lead and bars ..	11,161	14,949	8,430	10,140	11,232	(f) 11,205
Sheets and pipes ..	40	67	76	130	75	(a)
Foil	1	2	2	2	3	(a)
Litharge, red and white lead	833	323	131	312	120	(a)
British West Indies—						
Jamaica—						
Pig-lead, pipes, etc.	56	56	52	91	243	173
Trinidad and Tobago—						
Pig-lead	14	(d) 8	(d) 1	1	7	—
Red and white lead, etc.	61	99	61	139	60	82
Canada—						
Pig-lead and scrap ..	1,257	(d) 78	433	252	126	135
Bars, sheets and pipes ..	17	2	3	27	27	61
White lead, red lead and litharge	727	594	587	860	1,001	1,129

(a) Information not available.

(b) Included under Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

(d) Excess of re-exports.

(e) Included under Union of South Africa.

(f) Including South West Africa.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955	
BRITISH COUNTRIES							
<i>(cont.)</i>							
Ceylon—							
Pig-lead, etc.	19	13	13	45	—	79	
Sheets, pipes, etc. . .	33	25	9	29	20	22	
Tea-lead	—	2	—	6	5	1	
Cyprus—							
Sheets and pipes, etc.	18	122	34	36	25	37	
Hong Kong (total imports)—							
Ore and concentrates . .	(a)	(a)	58	—	—	—	
Crude and refined unwrought (incl. alloys)	226	375	52	147	361	121	
Scrap			98	29	20	6	
Bars, sheets, pipes, etc.	235	1,120	48	36	69	77	
India—							
Ore	31	214	56	83	99	224	
Pig-lead, bars, etc. . .	14,814	7,680	4,092	5,169	10,995	11,803	
Sheets, pipes and tubes	207	177	191	156	38	191	
Tea-lead	71	4	—	3	—	—	
Litharge, red and white lead, etc.	277	17	89	5	45	249	
Malaya (total imports)—							
Pig-lead	43	142	279	205	105	177	
Bars, sheets, pipes, etc.	70	136	97	78	75	190	
Pakistan (b)—							
Ore	(a)	5	106	79	106	370	
Pig-lead, bars, etc. . .			132	416	5	60	53
Sheets, pipes and tubes			58	(a)	(a)	(a)	(a)
Litharge, red and white lead, etc.	277	17	85	275	451	298	
Litharge, red and white lead, etc.			85	275	451	298	233
Australia (c) (e)—							
Red and white lead, etc.	96	137	483	36	23	(d) 3	
Fiji—							
Pig-lead and sheet . .	20	87	26	12	6	(a)	
New Zealand—							
Pig-lead, bars, etc. . .	3,790	3,295	2,423	4,373	5,539	4,945	
do. antimonial	83	64	124	82	116	151	
Sheets and pipes . . .	123	34	33	1	5	56	
Litharge, red and white lead etc.	3,782	3,493	2,307	1,672	1,862	1,530	
Irish Republic—							
Pig-lead etc.	1,445	1,174	168	985	1,212	543	
Wrought incl. alloys . .	687	1,103	327	101	173	301	
Red and white lead . .	427	521	116	(a)	(a)	(a)	
FOREIGN COUNTRIES							
Austria—							
Ore	2,953	2,933	4,473	4,449	4,862	5,177	
Pig-lead, alloys, etc. . .	1,620	6,645	2,647	5,311	9,668	5,273	
Scrap	218	31	15	46	15	—	
Belgium-Luxemburg E.U.—							
Ore	81,754	96,761	125,128	104,412	86,084	150,928	
Pig-lead	32,130	27,061	19,180	22,025	21,506	18,056	
Antimonial lead	845	198	302	150	84	93	
Scrap	3,158	7,423	1,641	536	416	1,000	
Sheets, bars, pipes and wire	30	—	69	8	20	79	
Red and white lead, etc.	898	765	526	891	1,395	1,500	

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

(d) Excess of re-exports.

(e) Revised.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Denmark—						
Pig-lead	15,976	15,396	11,403	12,244	16,392	12,967
Scrap	1,736	3,853	3,276	4,962	5,467	5,059
Sheets, pipes and wire	28	54	152	106	83	12
Red and white lead	1,009	865	455	654	751	738
Finland—						
Pig-lead	5,667	6,149	7,130	6,467	12,401	7,590
Scrap	—	219	—	—	14	—
Sheets, pipes, wire, etc.	631	1,110	616	292	565	527
Red and white lead, etc.	1,648	2,562	909	494	1,081	1,131
France—						
Ore	43,414	49,593	58,209	68,138	84,365	107,031
Pig-lead, including argentiferous and antimonial	29,106	37,640	50,933	40,108	49,227	48,237
Scrap	1,448	3,484	2,349	2,425	7,416	13,150
Sheets, etc.	8	145	86	3	22	7
Red and white lead, etc.	754	3,866	2,305	1,770	3,641	1,727
Germany (Federal)—						
Ore	29,173	39,310	55,830	56,062	80,613	72,458
Pig-lead, scrap and alloys	3,791	7,077	6,687	20,346	58,418	83,182
Sheets, pipes, wire, etc.	2	—	1	—	4	—
Red and white lead, etc.	142	11	19	108	351	702
Iceland—						
Pig-lead	9	10	16	49	103	99
Red and white lead	14	43	21	22	31	9
Italy—						
Ore	1	2,321	—	194	2,096	7,601
Pig-lead, scrap and alloys	8,768	8,816	10,055	13,622	24,975	21,828
Netherlands—						
Ore	9,356	4,280	2,374	1,594	5,996	31
Pig-lead	29,221	25,342	21,252	34,689	43,798	32,203
Scrap	86	327	531	955	1,339	2,404
Sheets and wire	1,819	2,139	807	583	995	663
Red and white lead	6,591	4,490	2,450	2,658	4,293	4,773
Norway—						
Pig-lead	7,488	7,397	7,403	7,589	9,693	9,529
Bars and sheets	892	608	909	931	1,145	636
Tubes, wire, etc.	331	386	295	273	275	181
Red and white lead	749	587	313	511	533	584
Portugal—						
Pig-lead, alloys, etc.	1,434	1,536	947	1,752	1,967	3,141
Red and white lead, etc.	162	201	187	171	202	144
Spain—						
Ore	549	10	—	—	—	(a)
Pig-lead and scrap	197	1,258	790	285	13	11
Sweden—						
Pig-lead	11,996	16,804	11,517	13,327	13,415	14,603
Scrap	420	79	231	531	397	292
Sheets and pipes	1,737	3,530	2,008	1,490	1,463	1,267
Red and white lead	4,235	2,906	1,410	1,825	2,393	2,314
Switzerland—						
Ores, etc.	1	—	2	3	—	3
Pig-lead, scrap, etc.	19,299	14,376	9,669	11,167	15,425	15,761
Sheets, pipes, wire, etc.	668	604	378	618	959	624
Red and white lead	829	1,001	350	356	454	504

(a) Information not available.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Algeria—						
Ore	24	24	37	665	25	37
Pig-lead	2,705	2,837	3,188	3,132	4,541	3,529
Scrap	50	23	—	122	56	12
Red and white lead, etc.	200	213	179	201	181	163
Belgian Congo—						
Pig-lead and scrap ..	(a)	(a)	(a)	1,255	47	1,615
Red and white lead ..	(a)	(a)	(a)	167	116	273
Egypt—						
Pig-lead and scrap ..	20	100	139	208	38	105
Sheets, pipes, wire, etc.	283	109	341	212	109	85
Red and white lead ..	547	274	203	492	390	567
Morocco (French)—						
Pig-lead, sheets and wire	91	(a)	1	16	35	(a)
Red and white lead ..	95	93	92	117	103	(a)
Mozambique—						
Bars, sheets and wire ..	38	90	36	16	26	25
Tunis—						
Ore	6,149	2,368	8,620	3,244	924	82
Pig-lead, bars and scrap	(a)	—	(a)	—	4	3
Red and white lead, etc.	(a)	20	(a)	15	33	33
Cuba (total imports)—						
Pig-lead and bars ..	230	192	207	141	100	(a)
Sheets, pipes and wire ..	285	341	278	167	178	(a)
Mexico (total imports)—						
Pig-lead	14	15	12	9	15	30
Sheets and pipes ..	65	122	158	55	14	3
United States—						
Ore, matte and flue dust (Pb content)	86,206	29,155	98,529	61,400	176,920	140,371
Bullion and base bullion (Pb content)	1,196	41	2,635	662	37	—
Pig-lead and bars (Pb content)	387,826	159,729	455,998	338,429	244,899	235,807
Scrap (Pb content) ..	20,264	7,060	10,204	3,489	6,640	16,874
Sheets, pipes, wire, etc.	185	228	10	159	354	1,828
Red and white lead, etc.	992	4,194	952	55	559	708
Argentina—						
Ore	3,607	(a)	48	458	—	—
Pig-lead	7	(a)	2,391	1,998	—	—
Brazil (total imports)—						
Pig-lead	19,426	22,204	9,858	20,748	26,054	12,810
Sheets and pipes ..	(a)	464	134	81	30	—
Red and white lead ..	(a)	339	491	68	817	563
Chile—						
Pig-lead	1,499	886	422	1,183	1,280	(a)
Bars and sheets ..	118	250	370	174	(a)	(a)
Red and white lead ..	152	57	53	107	(a)	(a)
Colombia (total imports)—						
Ingots, bars, tubes and alloys	773	512	395	428	681	818
Red and white lead ..	69	133	69	171	170	275
Ecuador—						
Pig-lead	(a)	68	19	91	207	(a)
Red and white lead ..	(a)	13	13	9	22	(a)
Peru—						
Pig-lead, sheets, etc. ..	6	45	46	7	20	83
Red and white lead ..	204	126	101	111	202	169
Uruguay—						
Pig-lead	2,860	1,367	867	1,753	(a)	(a)
Red and white lead, etc.	303	199	79	225	(a)	(a)

(a) Information not available.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
Venezuela (total imports)						
Pig-lead	1,097	(a)	344	481	570	(a)
Red and white lead ..	193	(a)	139	180	280	(a)
Formosa—						
Pig-lead and bars ..	(a)	41	550	629	2,099	1,334
Pipes, sheets, wire ..	(a)	(a)	2	185	38	13
Red and white lead, etc.	71	81	166	244	302	178
Indonesia—						
Pig-lead and scrap ..	350	661	452	353	414	1,073
Red and white lead ..	409	739	401	650	206	536
Iran (b)—						
Ingots, sheets and wire	82	14	14	3	—	(a)
Israel—						
Pig-lead	201	174	27	10	529	477
Sheets and pipes ..	45	3	2	20	69	58
Red and white lead ..	119	227	144	476	894	378
Japan—						
Ore	35	510	19	1,912	16,361	27,180
Pig-lead	(a)	7,100	1,192	2,289	14,120	4,019
Scrap	11	1,703	469	4,880	4,187	3,668
Red and white lead ..	(a)	303	2	4	10	4
Lebanon—						
Pig-lead	169	75	226	224	300	361
Red and white lead ..	74	57	64	55	49	107
Philippine Republic—						
Pig-lead	515	135	188	532	483	(a)
Red and white lead ..	338	591	250	371	441	425
Syria—						
Pig-lead	37	23	(a)	236	132	194
Red and white lead ..	26	53	(a)	31	41	(a)
Turkey—						
Pig-lead and bars ..	2,038	320	1,696	2,408	2,100	795
Tubes and wire ..	200	119	638	223	492	323
Red and white lead ..	682	351	607	573	571	151

(a) Information not available.

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

LITHIUM MINERALS
PRODUCTION OF LITHIUM MINERALS
(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Southern Rhodesia—						
Amblygonite	179	170	80	300	387	161
Lepidolite	—	1,567	1,101	6,859	24,026	51,530
Petalite	—	—	100	10,339	23,846	21,616
Spodumene	—	—	40	40	—	45
South West Africa—						
Amblygonite	261	516	637	302	1,046	1,262
Lepidolite	8,320	9,902	7,066	7,538	3,730	1,636
Petalite	161	155	1,048	1,427	1,729	4,712
Spodumene	—	—	—	1	1	—
Uganda—						
Amblygonite	265	19	—	16	7	—
Union of South Africa—						
Amblygonite	13	—	—	54	51	380
Canada—						
Lithium minerals (Li ₂ O content) ..	—	—	—	—	8	48
Australia—						
Petalite	—	—	—	—	15	—
Spodumene	—	—	—	—	—	4
FOREIGN COUNTRIES						
Portugal—						
Amblygonite	10	17	10	16	9	4
Lithium phyllite ..	6	49	—	—	—	—
Spain—						
Amblygonite	—	—	10	31	132	(a)
Belgian Congo—						
Amblygonite	—	—	—	—	365	1,332
Mozambique—						
Lepidolite	218	275	1,083	5,622	—	—
United States (b)—						
Lithium minerals and compounds	8,309	11,515	13,938	24,321	33,777	(a)
Argentina—						
Spodumene	—	—	—	—	—	37

(a) Information not available.

(b) Shipments.

EXPORTS OF LITHIUM MINERALS
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Southern Rhodesia— Lithium minerals ..	187	3,312	1,866	17,079	25,625	25,627
South West Africa— Amblygonite	85	94	459	400	710	1,310
Lepidolite	6,947	8,258	7,225	8,982	3,491	1,330
Petalite	230	284	1,255	1,322	740	1,159
Uganda— Amblygonite	265	19	—	16	7	—
Union of South Africa— Lithium minerals ..	(a)	(a)	—	33	24	479
FOREIGN COUNTRIES						
Portugal— Lithium minerals ..	(a)	(a)	27	29	—	—
Belgian Congo— Amblygonite	—	—	—	—	—	808
Spodumene	—	5	—	—	32	25
Mozambique— Lepidolite	(a)	(a)	(a)	4,950	—	3

(a) Information not available.

IMPORTS OF LITHIUM MINERALS*
(Long tons)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b) ..	280	1,893	437	1,260	1,971	1,986
FOREIGN COUNTRIES						
Germany (Federal) ..	(a)	(a)	(a)	1,798	7,183	5,402
United States (b) ..	7,100	8,042	7,894	28,027	22,712	9,315

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

(a) Information not available.

(b) 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	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Magnesite—						
Caustic (b)	—	2,500	7,478	7,800	1,122	(a)
Dead-burnt (b)	39,600	48,300	58,023	71,700	71,989	(a)
Dolomite, crude	1,420,435	1,393,536	1,563,111	1,740,504	1,866,754	1,853,346
Kenya—						
Magnesite, crude	178	—	—	—	—	—
Southern Rhodesia—						
Magnesite, crude	8,479	14,580	10,779	9,664	6,957	10,366
Dolomite	—	—	5,344	4,875	3,554	1,884
Tanganyika—						
Magnesite, crude	82	2,673	—	—	—	346
Union of South Africa—						
Magnesite, crude	11,596	18,477	24,023	22,526	23,995	17,637
Canada—						
Calcined magnesitic dolomite (c)	£565,092	£826,364	£994,603	£1,103,391	£1,609,626	£1,403,375
Cyprus, (exports)—						
Magnesite, crude	20	20	20	20	—	—
India—						
Magnesite, crude	52,859	117,466	89,041	92,748	70,507	(a)
Dolomite	53,021	14,203	54,455	15,080	137,754	(a)
Australia—						
Magnesite, crude	35,392	38,134	42,137	46,397	43,152	57,674
Dolomite	74,683	74,064	96,464	99,642	127,994	111,417
New Zealand—						
Magnesite, crude	341	580	579	517	720	388
Dolomite	665	982	1,255	1,316	2,025	6,813
FOREIGN COUNTRIES						
Austria—						
Magnesite—						
Crude	542,065	654,339	729,876	799,975	825,900	976,048
Caustic (d)	73,385	76,468	65,525	72,846	87,697	91,447
do. powder (d)	19,749	22,787	21,895	29,323	25,770	33,494
Dead-burnt (d)	179,588	211,813	255,595	276,156	266,490	342,414
Bricks (d)	110,054	132,697	161,243	187,546	163,877	181,203
Belgium—						
Dolomite—						
Crude	150,312	188,720	175,610	201,789	233,027	252,177
Calcined	158,934	165,193	210,900	199,590	204,083	244,914
France—						
Dolomite, crude	305,000	345,000	300,000	310,000	460,000	430,000
Germany (Federal)—						
Magnesite	1,290	(a)	(a)	(a)	(a)	(a)
Greece—						
Magnesite—						
Crude	25,841	59,917	78,137	105,249	102,152	59,803
Calcined (d)	9,435	(e) 21,719	26,339	25,108	37,419	31,328

(a) Information not available.

(b) Magnesia extracted from sea-water.

(c) Including brucite and some magnesium metal.

(d) Derived from crude shown and not additional.

(e) Revised.

PRODUCTION OF MAGNESITE AND DOLOMITE (cont.)

Producing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Italy—						
Magnesite, crude ..	270	1,015	1,009	2,025	2,775	(a)
Dolomite, crude ..	178,790	202,708	224,330	218,113	(a)	(a)
Luxemburg—						
Dolomite, calcined ..	6,107	8,802	8,893	5,635	6,274	6,356
Norway—						
Magnesite—						
Crude ..	1,821	1,430	1,003	1,830	817	780
Calcined (b) ..	844	480	575	405	300	(a)
Bricks (b) ..	64	200	146	68	83	(a)
Dolomite ..	41,510	55,810	101,029	108,248	92,584	106,002
Portugal—						
Dolomite ..	908	232	255	591	394	(a)
Spain—						
Magnesite ..	7,511	13,516	12,426	14,868	28,928	25,782
Dolomite, crude ..	102,245	120,898	64,700	149,836	(f) 189,881	103,743
Sweden—						
Dolomite, crude ..	(a)	(a)	(a)	(a)	93,773	141,932
Yugoslavia—						
Magnesite, crude ..	58,333	88,495	37,185	(f) 150,108	(f) 137,118	115,280
United States—						
Magnesite—						
Crude ..	383,386	598,363	456,027	(f) 724,001	(f) 336,543	586,495
Caustic (sales) (b) ..	37,006	44,626	33,978	38,411	28,798	31,921
Dead-burnt (sales) (b) ..	299,500	385,890	345,422	356,368	257,384	373,894
Dolomite, crude (d) ..	4,380,000	4,912,000	4,533,000	5,171,000	3,478,357	1,900,800
Argentina—						
Dolomite ..	(a)	(a)	(a)	(a)	(a)	(c) 25,000
Brazil—						
Dolomite (e) ..	(a)	55,908	56,579	53,031	31,130	36,886
Uruguay—						
Dolomitic limestone ..	8,471	15,841	(a)	15,886	14,618	11,295
Venezuela—						
Magnesite, crude ..	1,379	—	—	(a)	(a)	(a)
Formosa—						
Dolomite ..	(a)	(a)	(a)	2,632	3,232	3,171
Japan—						
Dolomite ..	480,297	642,478	656,566	711,720	716,804	807,198
Turkey—						
Magnesite ..	443	497	878	344	1,048	—

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

(a) Information not available.

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

(c) Estimated.

(d) Including dolomitic lime calculated as raw stone.

(e) Production not available; figures relate to consumption of domestic produce.

(f) Revised.

PRODUCTION OF MAGNESIUM

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b) ..	2,989	4,927	4,620	5,313	4,978	5,373
Canada (c)	1,600	4,000	5,000	(e) 6,000	(e) 6,000	7,000
FOREIGN COUNTRIES						
France	401	860	1,041	980	1,132	1,491
Italy	(a) —	120	964	1,425	1,640	2,823
Norway	—	—	302	3,440	4,628	6,637
Switzerland (c)	250	250	300	300	—	—
U.S.S.R. (d)	20,000	30,000	40,000	44,000	50,000	50,000
United States	14,041	36,501	94,483	83,103	62,258	54,585
Japan	—	—	—	—	21	(a)
WORLD'S TOTAL ..	39,000	77,000	147,000	145,000	130,000	128,000

(a) Information not available.

(b) Including re-melt alloys.

(c) Estimated.

(d) Metallgesellschaft estimate.

(e) Revised.

EXPORTS OF MAGNESITE, ETC.*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Magnesium and alloys	387	420	703	276	247	954
Magnesium compounds	10,469	13,415	12,111	14,875	16,060	17,971
Southern Rhodesia—						
Crude and calcined ..	2,964	11,668	13,089	8,241	6,749	10,454
Tanganyika—						
Magnesite	82	2,651	—	57	78	285
Union of South Africa—						
Crude and calcined ..	255	304	—	—	—	—
Canada—						
Magnesium	(a)	(a)	(a)	(a)	(a)	(£1,777,447)
Basic refractory materials	2,323	4,377	2,643	4,108	7,042	2,906
Cyprus—						
Crude	20	20	20	20	—	—
India—						
Magnesite	17,047	49,085	41,279	42,533	25,363	24,637
Chloride	1,653	1,986	1,650	1,557	318	644
Australia (b) (d)—						
Crude and calcined ..	36	51	113	30	166	55
Sulphate	227	149	325	74	16	54
FOREIGN COUNTRIES						
Austria—						
Crude	214	420	984	118	1,075	596
Caustic	48,490	61,452	59,399	70,872	75,180	75,404
Dead-burnt	69,242	82,417	80,316	71,334	77,606	149,650
Bricks	93,906	103,156	134,992	155,788	129,274	156,054
Dolomite	620	980	3,591	1,265	1,437	2,505
Belgium-Luxemburg						
E.U.—						
Crude	379	431	39	21	7	36
Calcined	263	20	20	11	1	43
Carbonate	2	1	—	—	1	17
Chloride	18	57	36	—	4	12
Sulphate	203	214	38	11	25	574
Dolomite, crude ..	48,987	68,792	13,549	8,185	6,723	12,315
do. ground	256	44	456	25	904	570
do. calcined	116,154	122,943	126,181	112,853	109,732	134,748
France—						
Crude and calcined ..	48	189	210	78	77	87
Magnesium metal (c) ..	720	606	167	219	160	117
Magnesium compounds	8,765	9,391	4,682	4,586	5,238	2,822
Dolomite, crude	3,560	3,546	3,873	3,934	6,511	12,862
do. calcined	72	342	530	542	2,137	2,528
Germany (Federal)—						
Crude and calcined ..	108	260	357	860	895	639
Carbonate, oxide, etc.	428	356	449	569	1,098	1,033
Chloride	12,050	16,047	10,801	11,897	13,290	13,008
Sulphate	17,177	22,297	19,122	27,973	35,431	35,813
Dolomite	(a)	(a)	96,962	85,278	81,689	87,303
Kieserite	(a)	(a)	(a)	45,945	46,002	51,762
Greece—						
Crude	1,977	18,368	16,616	14,713	12,643	10,763
Caustic	4,443	22,378	22,593	15,378	35,889	36,430

*Magnesite unless otherwise stated.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including alloys and scrap.

(d) Revised.

EXPORTS OF MAGNESITE, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
Italy—						
Crude	3	39	1	358	501	50
Caustic	118	87	63	21	1	229
Magnesium metal ..	487	3,891	1,976	898	1,583	2,435
Carbonate	66	109	70	124	35	123
Dolomite, calcined ..	(a)	(a)	2,656	4,104	4,026	4,743
Netherlands—						
Calcined	18,898	17,077	15,917	14,651	15,191	16,248
Sulphate	921	551	828	731	660	951
Norway—						
Crude	—	30	20	—	—	10
Bricks	83	170	119	53	36	55
Sweden—						
Crude and calcined ..	10	—	—	—	—	98
Yugoslavia—						
Crude	661	16,283	814	3,966	2,764	2,175
Ground and dead-burnt	15,820	18,781	13,560	28,352	36,776	40,066
Mexico—						
Crude and calcined ..	—	—	55	56	2	—
United States—						
Magnesium metal (b) ..	523	513	952	2,431	2,764	6,796
Brazil	955	3,100	4,570	4,511	472	763
Peru—						
Sulphate	595	335	231	378	923	661
Turkey—						
Crude	591	—	591	—	—	—

(a) Information not available.

(b) Including alloys and scrap.

IMPORTS OF MAGNESITE, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Crude and calcined	21,648	22,967	21,601	22,705	20,619	44,590
Magnesium	(a)	(a)	(a)	(a)	(a)	6,621
Chloride	5,868	8,401	6,070	7,498	10,327	13,218
Other salts	369	2,045	2,691	(a)	(a)	(a)
Union of South Africa—						
Carbonate	3,237	10,415	13,132	8,278	6,839	(a)
Chloride	227	266	277	157	134	(a)
Sulphate	86	141	616	671	1,320	(a)
Canada—						
Magnesium alloys	(£20,077)	(£38,438)	(£50,089)	(£52,077)	(£36,610)	(£67,649)
Calcined and dead-burnt	5,337	5,821	9,177	6,072	5,118	12,444
Carbonate and oxide	1,498	3,916	3,407	5,629	5,382	4,908
Sulphate	2,494	2,737	1,952	2,466	2,112	2,121
Bricks	(£136,294)	(£167,124)	(£240,674)	(£344,715)	(£145,631)	(£201,480)
Other salts	549	853	1,200	2,995	5,444	4,712
Hong Kong—						
Magnesite	(a)	(a)	15	5	—	—
India—						
Chloride	—	—	—	1	—	30
Sulphate	—	1	—	1	6	—
Other salts	252	776	601	626	390	863
Pakistan (c)—						
Chloride		60	43	158	139	124
Sulphate	(a)	911	399	439	354	131
Other salts		67	21	46	32	187
Australia (b) (e)—						
Crude and calcined	173	1,245	880	54	1,180	3,075
Magnesium metal and powder	(d) 11	(d) —	(d) 1	(d) —	27	53
Oxide	65	80	92	48	38	66
Carbonate	98	279	309	19	234	175
Chloride	111	326	305	258	360	488
Sulphate	221	429	658	109	530	706
New Zealand—						
Magnesite	44	44	48	61	39	64
Sulphate	274	423	350	334	513	609
Other salts	133	324	112	137	217	271
Irish Republic—						
Magnesium salts	507	523	456	695	458	444
FOREIGN COUNTRIES						
Austria—						
Sulphate	6,077	7,941	5,023	5,505	6,488	7,954
Chloride	2,492	3,030	1,380	2,155	2,731	3,020
Dolomite	5	58	222	314	951	1,184
Belgium-Luxemburg						
E. U.—						
Crude	3,085	297	342	165	599	647
Calcined	479	2,667	4,058	2,428	1,711	2,119
Bricks	8,818	10,433	12,621	14,455	9,897	13,625
Magnesium metal	163	181	110	105	135	263
Carbonate	412	368	354	423	437	454
Chloride	652	576	575	613	693	711
Sulphate	1,697	2,372	1,772	2,643	2,948	1,969

*Magnesite unless otherwise stated.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Years ended March 31 following that stated.

(d) Powder only.

(e) Revised.

IMPORTS OF MAGNESITE, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U. (cont.)—						
Dolomite, crude ..	1,110	534	887	804	520	2,342
do. ground ..	39	101	207	492	205	209
do. calcined ..	1,311	6,406	7,228	4,951	4,694	4,474
Denmark—						
Crude	1,592	1,818	1,546	970	1,147	1,687
Chloride	994	1,339	993	743	702	687
Oxide	358	515	81	168	77	95
Sulphate	521	416	498	954	977	794
Dolomite	5,811	6,358	6,493	6,052	7,580	9,447
Finland—						
Crude and calcined ..	1,475	1,189	928	1,126	1,060	1,141
Oxide	15	68	18	20	38	37
Carbonate	72	292	67	102	243	216
Chloride	1,300	1,207	648	1,063	687	995
Sulphate	144	246	39	227	128	117
France—						
Crude	1,646	3,001	3,990	3,651	3,750	5,127
Calcined	11,843	16,187	17,525	19,560	14,954	16,252
Magnesium metal (b)	—	75	138	26	160	244
Carbonate	329	494	252	115	171	162
Chloride	22	232	94	141	150	374
Sulphate	520	1,115	1,165	1,464	1,649	1,686
Dolomite, crude ..	4,004	7,000	5,790	7,416	6,435	10,552
do. calcined ..	141,212	167,613	181,231	156,183	146,525	174,931
Germany (Federal)—						
Crude	86,820	109,316	130,994	166,421	3,695	1,472
Calcined					148,776	168,870
Magnesium metal, crude and scrap ..	(a)	461	2,385	5,141	6,828	15,742
Dolomite	(a)	(a)	1,782	3,879	16,202	25,363
Italy—						
Crude	1,306	5,385	3,596	3,994	4,879	4,115
Caustic	10,689	10,541	13,606	13,679	8,961	10,457
Magnesium metal ..	42	29	98	94	34	89
Chloride	980	867	1,376	1,735	1,998	2,684
Sulphate	2,367	2,536	3,190	3,932	4,831	4,258
Netherlands—						
Crude	819	983	219	901	1,280	927
Calcined	21,406	18,600	19,044	15,766	19,132	17,100
Magnesium metal ..	84	53	98	132	108	128
Sulphate	7,860	5,899	3,518	5,766	6,207	4,727
Chloride	3,778	3,653	2,692	2,880	3,386	3,476
Dolomite, crude ..	4,860	4,377	3,797	4,215	7,711	4,070
do. calcined ..	22,766	20,942	21,763	25,034	28,981	26,817
do. ground ..	—	1,255	2,605	3,958	2,255	3,022
Norway—						
Calcined	783	1,013	649	618	493	558
Chloride	3,390	3,501	1,326	463	1,779	495
Dolomite	12	102	90	227	215	856
Portugal—						
Crude and calcined ..	55	129	184	146	228	257
Carbonate	63	102	39	71	101	96
Chloride	44	72	69	50	70	81
Oxide	8	309	334	421	543	313
Sulphate	729	1,098	769	990	1,231	855
Sweden—						
Crude and calcined ..	2,212	2,080	2,172	1,234	1,400	1,459
Bricks	11,364	11,260	12,140	14,507	12,159	15,031
Magnesium metal ..	159	332	323	222	165	256
Chloride	1,579	1,550	982	1,130	1,040	1,102

(a) Information not available.

(b) Including alloys and scrap.

IMPORTS OF MAGNESITE, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Yugoslavia—						
Calcined and ground ..	7,273	7,149	6,276	605	28	—
Bricks	4,460	1,681	4,793	6,399	3,685	1,411
Magnesium metal ..	95	60	77	58	99	89
Algeria—						
Calcined	9	8	24	8	7	6
Dolomite	104	645	784	916	907	2,113
Belgian Congo—						
Calcined	470	417	892	1,921	1,116	688
Sulphate	732	547	449	522	331	578
Chloride	106	2	1	1	4	1
Egypt—						
Magnesite and dolomite	1,601	1,407	2,060	2,815	3,071	3,676
Sulphate	618	1,049	120	343	186	682
Cuba (total imports)—						
Oxide	77	147	5	120	119	(a)
Carbonate	144	107	66	344	118	(a)
Mexico (total imports)—						
Calcined	(a)	31	62	22	296	511
Magnesium metal ..	376	326	373	346	379	350
Sulphate	(a)	50	43	27	102	81
United States—						
Calcined	1,898	3,743	1,803	2,422	2,177	3,169
Dead-burnt	12,607	25,701	21,847	35,087	60,904	91,689
Bricks	2,745	4,033	5,236	5,622	6,473	7,555
Magnesium metal, etc.	753	3,456	225	2,181	626	1,646
Oxide	—	—	6	—	1	101
Carbonate, precipitated	209	173	163	226	178	252
Chloride	7	2	1	284	227	197
Sulphate (incl. Kieserite)	18,723	19,318	16,867	26,918	31,880	37,803
Argentina—						
Carbonate	270	(a)	479	135	305	950
Chloride	34	(a)	60	30	68	177
Oxide	34	(a)	10	1	1	20
Brazil (total imports)—						
Crude	(a)	(a)	(a)	1,068	6	1,273
Oxide	(a)	27	32	15	117	92
Sulphate	(a)	170	1,032	59	677	386
Chile—						
Crude	616	6,436	887	17	(a)	(a)
Calcined	633	463	2,772	1,480	(a)	(a)
Sulphate	600	568	149	329	(a)	(a)
Dolomite, crude	2,554	16,973	10,927	17,349	(a)	(a)
do, calcined ..	1,300	22	—	1,086	(a)	(a)
Colombia (total imports)—						
Calcined	(a)	4	6	33	1,294	2,566
Carbonate	(a)	19	8	12	18	7
Chloride	(a)	30	5	2	29	10
Oxide	(a)	49	46	125	70	75
Sulphate	(a)	582	145	176	319	413
Peru—						
Crude and calcined ..	1,189	1,202	602	1,115	1,941	1,197
Carbonate	2	2	7	11	26	7
Oxide	1	2	3	2	4	2
Hydroxide	29	29	18	34	39	42
Sulphate	19	51	28	16	313	44
Chloride	2	—	2	2	3	—
Venezuela (total imports)						
Sulphate	122	(a)	104	131	112	(a)
Japan—						
Crude and calcined ..	19,040	99,479	41,367	77,960	40,412	52,638
Magnesium metal ..	1	1	80	426	1,024	1,722

(a) Information not available.

IMPORTS OF MAGNESITE, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Syria—						
Ground and calcined ..	5	15	(a)	25	29	(a)
Sulphate	154	153	(a)	64	239	(a)
Turkey—						
Calcined	29	—	—	3	—	—
Carbonate, chloride, etc.	209	131	196	252	203	59
Oxide	21	11	16	12	12	11
Sulphate	197	155	219	656	218	558

(a) Information not available.

MANGANESE
PRODUCTION OF MANGANESE ORE
(Long tons)

Producing Country	Estimated Manganese Content					
	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Gold Coast (exports) ..	711,366	806,080	794,192	745,990	460,245	539,580
Northern Rhodesia ..	1,723	1,260	3,926	7,129	16,920	17,331
Southern Rhodesia ..	—	—	1,411	—	16	1,187
South West Africa ..	978	6,456	26,088	36,299	30,416	37,393
Union of South Africa ..	778,449	746,888	860,828	814,538	690,059	579,888
India ..	882,929	1,292,375	1,462,264	1,902,238	1,413,847	1,570,000
Australia ..	14,869	7,969	7,069	32,943	28,202	47,356
New Zealand ..	352	402	319	289	239	159
Papua ..	22	40	(a)	42	—	20
Fiji ..	(c) 240	(c) 631	(c) 2,010	(c) 2,186	9,619	17,699
TOTAL ..	2,391,000	2,862,000	3,158,000	3,542,000	2,650,000	2,810,000
FOREIGN COUNTRIES						
France ..	—	—	—	—	1,000	(a)
Greece ..	315	15,930	19,336	13,908	16,694	24,239
Italy ..	19,127	28,106	40,610	39,426	48,075	55,688
Portugal ..	758	8,270	10,904	12,426	9,489	3,918
Roumania ..	92,000	(a)	(a)	178,000	270,000	384,000
Spain ..	18,702	20,461	28,043	32,182	35,277	41,821
Sweden ..	11,660	17,267	18,379	11,484	8,044	15,140
U.S.S.R. (d) ..	3,800,000	4,500,000	5,000,000	5,200,000	5,300,000	6,000,000
Yugoslavia ..	13,127	12,665	12,487	9,859	9,061	10,782
Angola ..	9,161	45,462	54,224	64,824	31,129	31,119
Belgian Congo ..	16,722	69,825	125,957	213,242	378,857	454,440
Egypt (b) ..	149,766	152,910	187,991	279,597	174,727	212,320

(a) Information not available.

(b) Ore containing 30% Mn and 10% Fe.

(c) Exports.

(d) Estimated.

PRODUCTION OF MANGANESE ORE (cont.)

Producing Country	Estimated Manganese Content											
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES												
Morocco (French)	282,828	366,354	419,583	422,664	394,116	404,818	138,300	187,400	205,680	192,700	184,000	186,000
Morocco (Spanish)	50	1,104	3,577	1,954	765	1,126	25	500	1,600	470	480	510
Cuba (b)	77,205	142,799	247,702	347,638	262,038	169,016	(a)	28,074	44,341	73,870	82,040	35,241
Mexico	34,725	77,939	140,538	240,949	(e)270,000	(e)114,000	14,232	47,700	55,771	73,871	87,810	123,700
United States (c)	120,046	93,756	103,017	140,657	184,043	257,800	68,446	(a)	1,000	2,200	500	4,000
Argentina	1,100	1,200	2,300	5,000	1,200	9,852	(a)	(a)	110,000	102,000	83,000	94,000
Brazil	192,417	200,327	245,297	227,731	159,962	209,151	86,000	90,000	110,000	102,000	83,000	94,000
Chile	34,960	38,483	52,997	53,793	(e)60,000	(a)	16,364	18,253	23,988	24,007	(a)	(a)
Peru	750	931	(e)1,400	(e)1,000	(e)4,000	(a)	295	435	689	470	1,762	(a)
Burma	(a)	(a)	6,500	8,380	3,714	300	(a)	(a)	3,200	4,800	2,000	140
Indonesia (f)	(a)	(a)	9,835	32,794	19,918	34,652	(a)	(a)	(a)	(a)	(a)	(a)
Iran (g)	12,839	11,355	11,163	11,318	13,989	9,503	(a)	(a)	(a)	(a)	(a)	(a)
Japan	136,876	182,091	204,101	191,327	160,853	198,527	53,000	70,000	80,000	73,000	62,000	77,000
Korea (South)	100	2,211	7,299	3,010	1,527	3,427	40	880	2,900	1,200	600	1,400
Philippine Republic	29,395	21,990	20,301	21,168	9,245	11,724	12,900	9,600	8,900	9,300	4,000	5,100
Portuguese India	d	21,644	109,312	148,417	104,246	133,502	10,400	40,000	52,900	71,000	50,000	64,000
Turkey	31,670	49,719	105,158	72,782	49,026	49,311	12,700	24,400	51,500	35,800	24,000	24,000
New Caledonia	5,307	19,817	16,377	5,503	—	—	2,550	9,500	8,400	2,641	—	—
TOTAL	5,100,000	6,240,000	7,300,000	8,000,000	8,000,000	8,900,000						
WORLD'S TOTAL	7,500,000	9,100,000	10,460,000	11,540,000	10,650,000	11,710,000						

Manganese ore is known to have been produced in Hungary and China (estimated at 70-80,000 tons annually); low-grade ore in Czechoslovakia.

(a) Information not available.

(b) Concentrates.

(c) Shipments. Excluding the following quantities of ore containing 10 to 35% Mn, which are included with iron ore (long tons): 1950-102,919; 1951-94,824; 1952-94,917; 1953-243,516; 1954-55,082; 1955-(a).

(d) Exports. (e) Estimated. (f) Revised. (g) Years ended March 21 following that stated.

EXPORTS OF MANGANESE ORE, ETC.
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Metal	386	65	201	283	409	814
Ferro-manganese and spiegeleisen	2,530	1,437	1,785	950	8,903	1,195
Gold Coast—						
Ore	711,366	806,080	794,192	745,990	460,245	539,580
Northern Rhodesia—						
Ore	—	—	—	2,221	(f) 2,650	(f) 17,360
South West Africa—						
Ore	—	3,593	24,269	30,165	27,608	} 418,409
Union of South Africa—						
Ore	685,137	574,362	574,321	632,305	397,265	
Canada—						
Spiegeleisen	316	—	—	508	—	—
Ferro-manganese	23,724	60,275	27,937	610	3,249	26,254
Hong Kong (re-exports)—						
Ore	1,015	—	239	—	—	—
Manganese dioxide ..	(a)	(a)	(a)	101	73	51
India—						
Ore (b)	919,895	1,106,953	1,462,224	e 1,761,420	e 1,092,265	900,305
Feruginous manganese ore	(a)	4,222	20,200	65,099	23,881	53,096
Australia (c) (g)—						
Ore	6	—	—	110	18,337	—
Fiji—						
Ore	240	631	2,010	2,186	5,707	9,258
Papua (c)—						
Ore	59	21	68	42	97	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Ferro-manganese ..	99	68	111	10	3,230	7,044
France—						
Ore including manganese ferrous iron ore ..	2,918	2,335	1,517	1,972	2,142	2,389
Manganese dioxide ..	111	45	436	328	362	382
Ferro-manganese ..	34,388	28,846	18,287	42,460	54,891	96,742
Germany (Federal)—						
Ore	103	160	80	554	1,573	6,594
Ferro-manganese ..	510	(d) 212	(a)	(a)	(a)	(a)
Greece—						
Ore	329	14,154	18,538	16,732	15,840	18,509
Italy—						
Ore, including manganese ferrous iron ore ..	5	49	78	—	39	1
Ferro-manganese ..	285	466	694	1,147	1,003	550
Netherlands—						
Ore, including manganese ferrous iron ore ..	2,394	2,319	4,888	4,401	3,772	2,173
Norway—						
Ferro-manganese ..	82,178	79,161	83,488	64,361	48,669	64,478
Ferro-silico-manganese	19,182	22,482	17,797	11,580	22,354	30,437
Portugal—						
Ore	2,370	10,370	4,073	13,947	3,445	5,767
Spain—						
Ore	—	6	5,708	—	—	(a)

(a) Information not available.

(b) Including manganese ore mined in India but exported via the Portuguese port of Mormugao as follows: 1950, 79,941 tons; 1951, 90,465 tons; 1952, 53,062 tons; 1953, (a); 1954, (a); 1955, (a).

(c) Years ended June 30 of that stated.

(e) Sea-borne trade only.

(d) January to September only.

(f) Federation of Rhodesia and Nyasaland.

(g) Revised.

EXPORTS OF MANGANESE ORE, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Ore	1,020	584	497	403	545	1,614
Ferro-manganese	981	369	365	364	824	1,059
Spiegeleisen	—	—	92	—	—	—
Ferro-silico-manganese	878	220	82	3	319	35
U.S.S.R.—						
Ore	(b)	(b)	(b)	(b)	(b)	(b)
Yugoslavia—						
Ferro-manganese	1,321	846	2,322	1,335	2,215	4,019
Silico-manganese	475	845	329	1,132	123	797
Angola—						
Ore	9,501	44,000	50,816	61,672	18,400	40,033
Belgian Congo—						
Ore	13,866	63,665	123,117	180,806	246,067	270,112
Egypt—						
Ore	105,282	236,410	165,245	209,428	(a)	211,278
Morocco (French)—						
Ore	263,048	352,729	360,279	397,951	323,778	362,754
Morocco (Spanish)—						
Ore	36	10	3,332	1,237	393	(a)
Cuba—						
Ore	85,008	149,294	231,222	366,532	231,003	254,360
Mexico—						
Ore	35,433	86,749	149,716	282,977	227,645	70,102
<i>Mn content</i>	14,247	28,059	44,322	74,523	81,859	35,241
United States—						
Ore	8,002	7,170	8,704	6,155	5,457	5,606
Ferro-manganese and spiegeleisen	841	641	1,327	993	1,546	1,597
Brazil—						
Ore	145,996	118,006	158,852	163,477	92,889	173,756
Chile—						
Ore	18,710	20,692	33,691	43,864	22,932	(c) 7,992
Manganese dioxide	1,471	2,831	1,328	984	(a)	(a)
Peru—						
Ore	750	1,367	3,784	4,640	3,596	5,759
Indonesia—						
Ore	3,248	7,410	17,074	30,608	11,256	39,924
Japan—						
Ore	101	79	1,673	244	248	317
Ferro-manganese	2,496	3,630	7,972	23,573	14,230	41,532
Philippine Republic—						
Ore	29,799	22,729	23,595	28,658	11,156	13,396
Portuguese India—						
Ore	21,644	63,399	137,463	203,889	101,795	160,811
Turkey—						
Ore	18,254	45,473	79,208	65,722	39,602	31,269
New Caledonia—						
Ore	1,813	19,128	17,041	7,548	—	428
Burma—						
Ore	(a)	(a)	(a)	(a)	3,898	954

(a) Information not available.

(b) The following countries record an import of ore from U.S.S.R. (long tons):—

	1950	1951	1952	1953	1954	1955
United Kingdom	—	—	—	27,620	126,170	118,826
Germany	(a)	—	—	71,479	787	51,049
Netherlands	—	1,968	—	2,332	582	805
Norway	30,158	19,749	17,285	42,573	3,814	(a)
Sweden	4,923	20,076	21,348	5,062	19,852	10,469
United States (total imports)	58,539	2,309	—	—	—	—

(c) January to November only.

IMPORTS OF MANGANESE ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore	401,628	381,148	430,576	493,691	500,380	404,708
Metal	40	86	59	8	15	71
Ferro-manganese and spiegeleisen	485	1,167	718	762	3,386	16,550
Silico-manganese	10,464	12,568	12,322	10,821	6,898	10,308
Union of South Africa—						
Ferro-manganese	18	39	56	90	9	(a)
Manganese dioxide	613	1,074	971	382	663	(a)
Canada—						
Ore	121,158	198,287	173,576	59,538	43,716	156,501
Ferro-manganese	908	261	1,454	932	7,613	3,522
Silico-manganese	73	302	136	16	17	243
Hong Kong (total imports)—						
Ore	342	267	24	—	8	110
Manganese dioxide	(a)	(a)	(a)	1,967	1,083	1,528
India—						
Ferro-manganese	(a)	(a)	(a)	580	6,197	481
Malaya (total imports)—						
Ore	—	170	1	778	1,655	1,825
Australia (c) (d)—						
Ore	20,198	5,603	2,245	106	2,273	2,172
Ferro-manganese	578	273	54	110	684	2,206
FOREIGN COUNTRIES						
Austria—						
Ore	7,307	24,501	19,725	4,301	10,000	33,623
Ferro-manganese	5,413	4,444	6,862	2,709	4,308	5,951
Belgium-Luxemburg						
E.U.—						
Ore	45,102	111,874	124,575	111,155	99,287	110,260
Ferro-manganese	47,136	78,626	81,421	49,651	42,910	62,357
Ferro-silico-manganese	(a)	(a)	(a)	1,165	2,973	1,640
Denmark—						
Ore	1,560	2,771	1,978	2,543	2,499	3,044
Ferro-manganese, etc.	756	2,241	1,278	2,406	3,535	2,716
Finland—						
Ferro-manganese and spiegeleisen	696	1,637	1,186	1,165	1,620	1,754
Manganese dioxide	85	350	168	228	332	463
France—						
Ore	335,173	424,438	397,596	435,005	399,630	669,552
Ferro-manganese	102	153	479	563	2,686	6,012
Manganese dioxide	36	3	—	31	33	52
Germany (Federal)—						
Ore	147,677	260,978	177,512	415,656	177,723	320,375
Ferro-manganese	1,369	(b) 2,090	(a)	(a)	(a)	(a)
Italy—						
Ore, including mangani-ferous iron ore	21,851	54,491	97,807	37,070	91,326	82,271
Spiegeleisen	1,537	3,329	4,064	2,162	1,129	2,506
Ferro-manganese	1,696	219	19	162	789	3,847
Ferro-silico-manganese	—	—	19	—	118	538
Netherlands—						
Ore	8,714	6,819	32,904	47,783	47,202	24,789
Norway—						
Ore	160,001	198,741	249,313	215,614	99,129	152,879

(a) Information not available.

(b) January to September only.

(c) Years ended June 30 of that stated.

(d) Revised.

IMPORTS OF MANGANESE ORE, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Spain—						
Ore	2,274	6,233	9,399	1,896	11,722	28,810
Ferro-manganese ..	3,476	866	4,403	5,460	3,339	1,729
Sweden—						
Ore (chemical grade) ..	1,142	1,056	584	418	675	781
do. (metallurgical grade)	28,308	49,205	49,837	30,316	31,997	30,879
Ferro-manganese ..	2,258	2,327	1,445	1,850	2,897	3,032
Spiegeleisen ..	128	—	57	15	30	76
Ferro-silico-manganese	121	49	193	161	99	150
Yugoslavia—						
Ore	4,471	8,978	6,683	3,967	11,183	8,765
Algeria—						
Ore	30	11	26	61	31	72
Mexico (total imports)—						
Ferro-manganese ..	2,372	940	894	123	130	145
United States—						
Ore (b)	1,805,050	1,852,612	2,106,491	2,958,014	2,103,386	2,203,305
<i>Mn content</i>	828,384	828,102	930,646	1,286,139	941,394	980,783
Ferro-manganese ..	96,691	106,932	57,227	112,963	50,689	58,985
<i>Mn content</i>	76,700	84,773	45,562	87,640	39,950	47,286
Argentina—						
Ferro-manganese ..	2,217	2,394	1,480	2,169	4,176	698
Brazil (total imports)—						
Ferro-manganese ..	(a)	13	—	59	166	49
Chile—						
Ferro-manganese ..	105	265	243	59	(a)	(a)
Silico-manganese ..	53	481	13	19	(a)	(a)
Japan—						
Ore	48,368	253,777	69,065	108,957	111,965	172,854

(a) Information not available.

(b) Including the following quantities of ore containing 10 to 35% Mn (*Mn content* in brackets): 1950—81,781 (21,671); 1951—156,483 (41,650); 1952—137,812 (36,310); 1953—165,387 (37,481); 1954—96,515 (20,327); 1955—153,091 (31,519).

MERCURY
PRODUCTION OF MERCURY
(Lb.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
Austria (c)	2,866	2,315	1,698	1,742	2,138	1,257
Italy	4,054,000	4,094,000	4,246,000	3,904,000	4,140,000	4,068,000
Spain	3,937,217	3,380,497	2,974,306	3,308,664	3,277,696	3,300,000
Yugoslavia	1,091,000	1,113,000	1,111,000	1,085,000	1,098,000	1,109,000
Tunis	—	—	—	—	—	12,599
Mexico	285,505	613,670	663,662	884,184	1,121,350	2,270,999
United States	344,660	554,268	953,572	1,089,602	1,409,268	1,440,580
Bolivia (exports)	—	1,407	—	(a)	(a)	(a)
Chile	24,250	8,671	13,159	7,573	(a)	(a)
Colombia	—	—	—	—	—	2,700
Peru	—	—	—	—	5,884	(a)
China (d)	110,200	304,000	304,000	380,000	(a)	(a)
Formosa	(a)	(a)	(a)	(a)	3,300	—
Japan	99,689	140,377	234,320	486,825	780,039	379,274
Philippine Republic	—	—	—	—	—	48,260
Turkey	—	—	—	—	19,800	63,900
WORLD'S TOTAL (b)	10,600,000	10,900,000	11,400,000	12,000,000	13,200,000	14,100,000

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

- (a) Information not available.
- (b) Estimated.
- (c) Mercury content of copper concentrates.
- (d) United States Bureau of Mines' estimate.

EXPORTS OF MERCURY, ETC.

(Domestic Produce)

(Lb.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Mercury	107,095	168,583	19,651	20,620	63,479	68,138
Chloride	51,866	94,310	(a)	(a)	(a)	(a)
Canada—						
Mercury	8,100	58,235	1,500	7,018	6,310	3,781
Hong Kong (re-exports)—						
Mercury	10,032	16,796	—	988	3,497	—
Malaya (re-exports)—						
Mercury	169	3,381	93	329	622	1,996
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Mercury	41,987	4,409	2,205	24,251	3,086	4,409
Sulphide of mercury	15,432	30,865	—	6,614	6,173	3,307
Other mercury salts	—	—	33,059	4,409	2,205	—
France—						
Mercury	2,866	5,952	13,889	6,173	15,873	14,110
Mercury salts	43,872	29,762	5,732	11,684	28,881	22,487
Germany (Federal)—						
Cinnabar	661	(b) 2,425	(a)	(a)	(a)	(a)
Mercury	39,463	3,527	1,984	11,244	10,362	7,937
Mercury salts	71,641	(b) 37,104	(a)	(a)	(a)	(a)
Italy—						
Mercury	6,262,891	2,090,423	2,546,559	4,192,766	4,705,934	2,122,169
Mercury salts	112,656	134,702	28,880	97,890	72,854	49,163
Portugal—						
Mercury	—	15,260	31,559	7,399	112	148
Spain—						
Mercury	7,562,736	3,689,281	3,363,240	3,318,693	3,308,697	2,450,667
Mercury salts	35,821	32,159	13,746	35,298	14,425	(a)
Sweden—						
Mercury	17,637	37,479	450	—	—	8,818
Switzerland—						
Mercury	192	421	448	35,230	300	111,918
Yugoslavia—						
Mercury	1,054,250	990,537	1,061,162	974,037	899,925	1,003,965
Mercury salts	(a)	(a)	62,230	39,178	93,961	55,810
Mexico—						
Mercury	376,164	524,771	598,500	948,779	1,403,293	1,842,048
United States—						
Mercury	33,977	18,311	30,369	41,497	67,628	34,301
Bolivia—						
Mercury	—	1,407	—	(a)	(a)	(a)
Japan—						
Mercury	1,949	60	88	1,459	6,175	2
Turkey—						
Mercury	—	—	5,578	5,324	36,341	38,407

(a) Information not available.

(b) January to September only.

IMPORTS OF MERCURY, ETC.

(Less Re-exports)

(Lb.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Mercury	3,031,024	960,397	425,900	1,431,510	1,803,837	714,322
Chloride	(a)	248	41,193	74,582	22,479	13,445
Anglo-Egyptian Sudan—						
Mercury	223	201	229	24	(a)	(a)
Southern Rhodesia—						
Mercury	20,051	11,088	5,822	8,147	(b) 11,289	(b) 13,493
South West Africa—						
Mercury	39	108	82	78	(a)	(a)
Union of South Africa—						
Mercury	67,151	33,645	84,336	50,532	103,420	(a)
Canada—						
Mercury	614,005	308,088	144,277	196,412	243,491	522,409
Mercury salts	(£1,436)	(£4,220)	(£9,906)	(£12,330)	(£6,766)	(£4,094)
British Guiana—						
Mercury	936	1,259	559	(a)	(a)	(a)
Hong Kong (total imports)—						
Mercury	91,960	4,636	—	9,502	6,235	6,370
India—						
Mercury	2,140,362	719,582	163	(c) 276,993	(c) 210	14
Malaya (total imports)—						
Mercury	4,061	849	1,540	1,080	6,878	4,386
Pakistan (e)—						
Mercury	(a)	15	3	—	331	112
Sarawak—						
Mercury	(a)	(a)	(a)	(a)	6	353
Australia (d) (f)—						
Mercury	55,162	111,541	44,138	41,330	144,842	70,144
Mercury salts	94,140	246,640	108,069	33,160	53,303	182,079
New Zealand—						
Mercury	2,539	2,519	1,671	3,817	1,721	5,634
Mercury salts	48,600	2,700	5,800	3,800	6,400	10,500
FOREIGN COUNTRIES						
Austria—						
Mercury	40,124	41,447	34,392	30,644	55,777	49,824
Mercury salts	—	—	—	22,487	34,172	26,896
Belgium-Luxemburg						
E.U.—						
Mercury	218,258	61,729	83,776	72,753	101,854	63,272
Sulphide of mercury	4,409	2,205	2,205	2,205	1,543	12,125
Other mercury salts	4,409	—	2,205	13,228	23,810	13,667
Denmark—						
Mercury	54,013	11,905	3,086	9,039	19,842	19,401
Finland—						
Mercury and amalgam	32,309	23,473	23,303	39,185	111,298	124,405
France—						
Mercury	605,830	856,716	464,514	575,627	720,030	990,316
Mercury salts	68,343	11,905	2,205	—	—	220
Germany (Federal)—						
Mercury	720,912	438,940	336,425	649,261	1,658,758	1,572,557
Mercury salts	110	—	—	(a)	(a)	(a)
Greece—						
Mercury	514	86	3,468	57	311	(a)
Italy—						
Mercury salts	(a)	(a)	22,266	39,833	25,768	1,984
Netherlands—						
Mercury	121,254	81,571	46,297	70,548	59,525	97,003
Mercury salts	48,502	(a)	24,255	50,706	59,525	48,502

(a) Information not available.

(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.

(f) Revised.

IMPORTS OF MERCURY, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Mercury	69,648	119,080	25,014	60,815	87,819	26,078
Portugal—						
Mercury	3,287	55,709	16,574	13,151	5,911	34,599
Mercury salts	2,216	3,931	1,393	2,910	3,770	4,958
Sweden—						
Mercury	249,122	130,073	27,891	72,753	57,320	213,848
Switzerland—						
Mercury	152,824	117,149	25,020	72,234	98,672	121,501
Algeria—						
Mercury	—	1,984	2,205	3,527	2,425	2,646
Mercury salts	—	—	1,102	661	661	441
Angola—						
Mercury	2	75	117	11	126	97
Mercury salts	6,609	14,497	287	884	161	66
Belgian Congo—						
Mercury	(a)	(a)	(a)	2,377	3,148	6,713
Mercury salts	(a)	(a)	(a)	330	54	11
Egypt—						
Mercury	4,901	4,442	2,950	1,876	2,302	2,668
Morocco (French)—						
Mercury	1,682	(a)	1,230	4,738	873	(a)
Mozambique—						
Mercury	179	218	53	49	163	163
Tunis—						
Mercury	(a)	—	(a)	440	220	568
Cuba (total imports)—						
Mercury	3,426	4,169	3,170	4,129	3,093	(a)
Nicaragua (total imports)						
Mercury	260	392	71	174	234	(a)
United States—						
Mercury	4,262,056	3,637,338	5,460,998	6,337,885	4,936,700	1,546,932
Mercury salts	26,023	82,908	25,019	29,891	34,898	20,298
Argentina—						
Mercury	95,648	(a)	—	—	282	143
Mercury salts	27,840	(a)	503	3,018	5,315	2,006
Brazil (total imports)—						
Mercury	(a)	127,385	21,451	125,426	183,914	193,323
Chile—						
Mercury	234	809	697	669	(a)	(a)
Mercury salts	3,810	1,327	3,206	1,245	(a)	(a)
Colombia (total imports)—						
Mercury	(a)	6,583	5,450	10,218	4,374	6,632
Mercury salts	(a)	23,459	8,061	19,729	46,784	42,115
Peru—						
Mercury	578	2,059	1,881	1,931	1,153	882
Mercury salts	351	1,809	734	758	503	406
Uruguay—						
Mercury	3,157	194	—	392	(a)	(a)
Venezuela—						
Mercury	(a)	(a)	14,689	13,195	95,122	(a)
Mercury salts	8,653	4,330	251	126	1,743	(a)
Formosa—						
Mercury	(a)	(a)	4,526	8,755	3,556	(a)
Iran (b)—						
Mercury	(a)	29	2	7	772	(a)
Mercury salts	(a)	6,063	811	644	16,019	(a)
Japan—						
Mercury	(a)	418,986	55,713	366,313	68,185	406,023
Philippine Republic—						
Mercury	584	516	26,374	1,757	1,702	(a)
Turkey—						
Mercury	692	187	348	282	185	46
Mercury salts	1,274	3,325	4,109	3,822	3,865	767

(a) Information not available.

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

MICA
PRODUCTION OF MICA

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Kenya	1	1	2	—	—	(14 cwt.)
Northern Rhodesia—						
Sheet	2	5	16	8	3	2
Nyasaland	—	—	(12 cwt.)	—	—	—
Southern Rhodesia—						
Block and sheet .. }	402	{ 93	93	66	82	63
Crude and waste .. }			250	654	89	—
South West Africa—						
Waste	58	112	—	—	—	—
Tanganyika—						
Block and sheet ..	58	74	118	80	60	66
Ground	59	—	—	—	—	—
Waste	25	—	—	—	—	—
Uganda	(7 cwt.)	(3 cwt.)	(6 cwt.)	(59 lbs.)	(5 cwt.)	—
Union of South Africa—						
Sheet	13	5	5	4	2	5
Waste	1,336	1,746	2,621	1,912	1,834	3,490
Canada (sales)—						
Rough mine-run or						
rifted	(20 lbs.)	123	6	28	5	11
Trimmed	81	103	28	23	8	11
Splittings	1	3	3	4	1	—
Sold for mechanical						
splittings	47	49	47	75	18	4
Ground	989	921	441	297	418	421
Scrap	614	1,017	374	573	307	286
Ungraded	—	—	—	11	5	—
By varieties—						
Phlogopite and						
biotite	1,445	1,589	669	832	643	507
Muscovite and						
schist	287	626	230	179	119	225
Ceylon (exports) ..	—	(4 cwt.)	9	6	—	(1 cwt.)
India (exports)—						
Blocks	764	1,617	1,456	1,714	1,612	2,187
Splittings	11,978	13,726	5,649	5,451	4,852	7,468
Ground and scrap ..	3,679	9,180	8,244	5,104	10,275	12,133
Australia (b)—						
Block	30	23	32	32	38	25
Scrap	23	37	—	—	36	9
FOREIGN COUNTRIES						
Austria	362	302	—	—	—	—
France	(c) 492	(c) 449	182	116	152	(a)
Norway (incl. waste) ..	544	969	523	980	1,800	1,829
Spain	13	11	8	13	8	9
Sweden (sales)—						
Block	2	41	8	3	—	—
Ground	162	170	155	169	148	164
Angola—						
Sheet	15	15	28	19	11	15
Waste and splittings ..	151	119	197	10	161	230
Eritrea	1	(a)	(a)	(a)	(a)	(a)
Madagascar—						
Phlogopite (block) ..	789	943	1,052	803	516	266
Morocco (French) ..	81	36	6	13	13	(1 cwt.)

(a) Information not available.

(b) The following amounts of damourite were also produced (long tons): 1950—696; 1951—505; 1952—461; 1953—445; 1954—514; 1955—436.

(c) Including chlorite.

PRODUCTION OF MICA (cont.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Mozambique	41	10	2	3	1	13
Mexico (exports) ..	173	32	—	36	1	1
United States (sales)—						
Sheet (uncut)	258	266	312	379	295	(a)
Scrap (b)	61,929	64,171	67,175	65,410	72,387	(a)
Argentina—						
Sheet	} (c) 332	177	217	241	236	{ 44
Waste						
Brazil	1,784	2,088	(c) 1,240	1,941	1,769	1,362
Uruguay	1	1	(a)	(a)	(a)	(a)
Formosa	(a)	477	14	23	20	—
TOTAL*	85,500	99,000	91,000	86,000	97,300	100,000

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

(a) Information not available.

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

(c) Exports.

EXPORTS OF MICA
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Splittings	479	35	20	5	2	—
Ground and waste ..						
Southern Rhodesia—						
Block and sheet ..	513	100	108	66	86	65
Waste						
Tanganyika—						
Block and sheet ..	50	70	107	78	78	65
Ground and waste ..	84	—	16	51	28	274
Uganda	—	4	—	—	1	—
Union of South Africa—						
Waste	1,050	838	1,849	2,514	3,452	2,448
Canada—						
Rough cobbled and thumb trimmed ..	104	302	102	143	35	22
Splittings	—	—	2	—	—	—
Ground	250	346	197	143	107	—
Scrap and waste ..	528	438	397	605	202	140
Ceylon	—	(4 cwt.)	9	6	—	—
Hong Kong (re-exports)—						
Sheet, block, waste etc.	(a)	(a)	3	1	56	12
India—						
Blocks	764	1,617	1,456	1,714	1,612	2,187
Splittings	11,978	13,726	5,649	5,451	4,852	7,468
Ground and scrap ..	3,679	9,180	8,244	5,104	10,275	12,133
Australia—						
Block	2	4	—	2	8	3
Ground and scrap ..	—	1	5	4	(1 cwt.)	
Micnite	19	6	4	5	(a)	
FOREIGN COUNTRIES						
Austria	78	315	77	83	157	154
Belgium-Luxemburg						
E.U.—						
Unmanufactured ..	15	21	7	14	18	17
France—						
Unmanufactured ..	83	113	63	99	66	105
Sheet, plate and manufactures ..	24	36	49	48	49	92
Germany (Federal)—						
Unmanufactured ..	—	1	43	85	130	154
Italy—						
Sheet and manufactured	—	11	14	12	9	3
Netherlands	6	25	11	15	27	207
Norway—						
Sheet	562	538	503	501	822	843
Scrap	30	30	14	325	456	334
Sweden	1	10	48	37	15	12
Angola—						
Crude	22	80	37	23	7	17
Waste	—	—	163	81	8	20
Madagascar—						
Phlogopite, etc. ..	822	677	725	628	486	641
Morocco (French) ..	139	113	4	4	23	3
Mozambique	—	1	4	2	1	2
Mexico	173	32	—	36	1	1
United States—						
Unmanufactured ..	150	178	264	20	142	200
Ground and manufactured ..	1,231	1,514	1,943	2,124	2,830	2,759
Argentina	332	(a)	2	100	33	154
Brazil	811	1,329	1,240	1,177	651	835

(a) Information not available.

IMPORTS OF MICA
(Less Re-exports)
(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Slabs	(b) 407	292	671	301	627	499
Splittings	1,202	3,062	1,546	492	925	1,168
Ground and waste	2,031	4,138	4,197	3,263	6,338	4,806
Tanganyika	—	—	9	(b) 1	—	6
Union of South Africa—						
Mica and micanite sheets	16	29	32	35	49	(a)
Canada—						
Unmanufactured	(£249,285)	(£326,717)	(£257,667)	(£259,339)	{ 104	89
Manufactured .. .. .							(£132,777)	(£174,987)
Hong Kong (total imports)—						
Sheet, block, waste etc.	(a)	(a)	1	—	68	5
India—						
Block	130	72	—	3	16	143
Splittings	125	26	12	26	47	27
Australia—						
Block and sheet	27	29	9	16	29	} 178
Splittings	68	69	31	29	54	
Ground	6	4	12	4	13	} 99
Scrap	73	126	34	40	203	
Micanite	1	2	4	(a)	(a)	(a)
New Zealand—						
Powder	10	17	7	15	13	(£NZ 728)
Other (£N.Z.)	(£12,834)	(£27,810)	(£17,897)	(£14,549)	(£20,103)	(a)
FOREIGN COUNTRIES						
Austria—						
Crude	6	23	22	74	134	197
Sheet	18	29	33	24	32	50
Belgium-Luxemburg						
E.U.—						
Unmanufactured	399	649	572	841	1,147	1,057
Cut sheet and cut plate	—	—	25	—	2	1
Denmark—						
Block	87	550	147	106	60	14
Powder	842	367	2,383	2,168	2,613	1,243
France—						
Unmanufactured	1,545	1,634	1,336	998	1,840	1,970
Sheet, plate and manufactures	5	7	8	12	20	44
Germany (Federal)—						
Unmanufactured	951	1,367	1,924	2,406	1,964	2,889
Italy—						
Unmanufactured	1,147	3,410	11,354	2,728	4,241	4,510
Sheet and manufactured	21	29	141	97	143	219
Netherlands						
Unmanufactured	251	269	229	297	543	400
Sheet, plate and manufactured	36	56	34	53	56	68
Norway—						
Crude and waste	(a)	(a)	(a)	1,066	1,791	1,672
Portugal	12	—	2	21	35	34
Sweden	627	407	634	786	710	996
Morocco (French)	11	1	5	220	51	(a)
Tunis	(a)	1	(a)	36	45	8
Mexico	140	80	34	58	37	34
United States—						
Unmanufactured	5,419	6,821	6,937	4,666	4,966	9,227
Cut, splittings and manufactured	11,113	10,045	4,711	5,146	3,002	5,496
Chile—						
Sheet and manufactured	190	50	57	3	(a)	(a)
Peru—						
Ground and waste	2	2	7	5	8	15
Venezuela—						
Unmanufactured	(a)	(a)	663	290	909	(a)
Japan	80	469	605	1,407	1,305	935

(a) Information not available.

(b) Excess of re-exports.

MOLYBDENUM

PRODUCTION OF MOLYBDENUM ORE

(MoS₂ content)

(Cwt.)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Canada (shipments) ..	925	3,407	4,518	2,892	6,718	11,513
Hong Kong	—	2	7	30	1	—
Australia	86	27	2	37	14	50
FOREIGN COUNTRIES						
Austria	625	755	689	—	—	—
Norway	2,185	4,116	4,190	4,738	4,980	5,671
Sweden	118	—	—	—	—	—
Mexico	—	—	—	—	3,897	810
United States	423,809	578,196	643,735	851,830	873,681	912,683
Chile	31,652	56,572	53,935	44,904	39,633	(a)
Peru	48	105	111	157	47	(a)
Japan	434	1,760	2,929	5,934	6,687	6,515
Korea (South)	185	66	214	294	299	344
TOTAL*	460,060	645,000	710,330	910,820	935,960	980,000

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

(a) Information not available.

EXPORTS OF MOLYBDENUM ORE, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom— Ferro-molybdenum ..	2,940	1,560	4,640	6,240	4,960	8,600
Canada— Concentrates	(a)	(a)	(a)	(a)	(a)	13,204
Australia (b) (c)— Ore and concentrates ..	—	—	20	3	—	(a)
FOREIGN COUNTRIES						
France— Molybdic acid and molybdates	24	12	10	30	94	83
Norway— Ore	1	6,424	4,919	4,842	6,247	5,952
Sweden— Ore	—	—	20	—	—	—
Ferro-molybdenum ..	4,134	20	2,357	690	1,004	3,681
Mexico— Ore and concentrates (MoS ₂ content) ..	—	—	—	—	2,213	—
United States— Ore and concentrates (MoS ₂ content) ..	92,844	55,536	91,913	104,801	201,734	217,131
Metal, alloys and scrap Ferro-molybdenum ..	1,304	974	1,538	195	307	201
Chile— Ore	10,520	13,249	9,733	5,771	2,212	3,118
Peru— Ore (MoS ₂ content) ..	41,336	80,700	66,930	50,328	45,273	(a)
Ore (MoS ₂ content) ..	130	35	183	40	50	—

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Revised.

IMPORTS OF MOLYBDENUM ORE, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore	61,716	62,458	65,322	78,574	120,140	111,660
Metal	8	32	27	7	62	148
Canada—						
Oxide	(b) 3,732	5,057	4,644	3,198	3,780	5,876
Ferro-molybdenum ..	(b) 1,143	2,821	(a)	(a)	(a)	(a)
Australia (c) (d)—						
Metal	(a)	(a)	(a)	94	5	(a)
Ferro-molybdenum ..	229	585	566	1,511	3,046	1,937
FOREIGN COUNTRIES						
Austria—						
Molybdic acid	356	317	504	137	16	402
Ferro-molybdenum ..	3,287	2,517	2,870	1,762	1,293	376
Belgium-Luxemburg						
E.U.—						
Molybdic acid	39	—	236	39	205	154
Molybdates	(a)	(a)	197	177	248	266
Ferro-molybdenum ..	(a)	(a)	1,791	1,023	1,346	3,321
Finland—						
Ferro-molybdenum ..	202	359	752	1,152	685	778
France—						
Metal and alloys	—	51	100	45	67	146
Molybdic acid and molybdates	45	98	49	35	37	67
Germany (Federal)—						
Ore	(a)	(a)	36,498	33,837	74,434	74,121
Italy—						
Ore	(a)	(a)	3,911	2,407	3,466	8,815
Ferro-molybdenum ..	1,708	1,555	4,369	5,644	3,677	3,376
Netherlands—						
Ferro-molybdenum ..	(a)	(a)	(a)	(a)	480	640
Sweden—						
Ore	20,412	16,141	16,003	10,669	21,338	31,711
Ferro-molybdenum ..	2,047	394	181	1,181	984	1,358
United States—						
Ore (MoS ₂ content) ..	—	63	739	—	2,298	2,001
Japan—						
Ore and concentrates ..	37	1,473	2,261	4,311	13,818	4,882

(a) Information not available.

(b) Mo content.

(c) Years ended June 30 of that stated.

(d) Revised.

MONAZITE AND RARE EARTH MINERALS
PRODUCTION OF MONAZITE AND RARE EARTH MINERALS

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Ceylon—						
Monazite	(a)	(a)	14	50	46	60
Australia (b)—						
High-grade concen-	29	38	106	184	71	87
trates						
Low-grade concentrates	133	293	148	69	106	44
FOREIGN COUNTRIES						
Belgian Congo—						
Monazite	—	36	14	11	4	4
Bastnaesite	53	122	211	361	369	319
Egypt—						
Monazite	71	1	6	6	8	1
Madagascar—						
Monazite	—	—	—	—	—	64
Bastnaesite	—	2	3	9	6	10
Korea (South)—						
Monazite	(a)	(a)	(a)	(a)	(a)	490

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

(a) Information not available.

(b) Monazite content.

EXPORTS OF MONAZITE, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Ceylon—						
Monazite	(a)	(a)	(a)	(a)	(a)	30
India—						
Monazite sand	(a)	114	(a)	(a)	—	—
Australia—						
Concentrates	35	44	91	180	76	107
FOREIGN COUNTRIES						
France—						
Monazite	—	—	—	—	1	—
Germany (Federal)—						
Rare earth minerals ..	(a)	(a)	54	39	—	—
Madagascar—						
Monazite	—	—	—	—	—	49
Bastnaesite	—	2	1	9	6	12
United States—						
Cerium ores etc. ..	(a)	38	22	37	13	9
Brazil—						
Monazite sand	(a)	(a)	(a)	(a)	—	—

(a) Information not available.

IMPORTS OF MONAZITE, ETC.

(Less Re-exports)

(Long tons)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Canada—						
Thorium and cerium salts	(£11,171)	(£23,038)	(£20,382)	(£11,455)	(£7,846)	(£10,053)
FOREIGN COUNTRIES						
France—						
Monazite	305	448	248	24	53	171
Germany (Federal)—						
Rare earth minerals ..	(a)	(a)	127	311	272	475
Salts of rare earth minerals	(a)	(a)	123	128	240	301
United States—						
Cerium ores	(a)	(a)	(a)	(a)	1	9

(a) Information not available.

NICKEL
PRODUCTION OF NICKEL ORE
(Metal content)
 (Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Union of South Africa (b)	829	1,120	1,289	1,688	1,886	2,320
Canada	110,410	123,128	125,499	128,297	143,954	155,876
TOTAL	111,239	124,248	126,788	129,986	145,840	158,196
FOREIGN COUNTRIES						
Finland (c)	—	82	397	399	167	—
U.S.S.R. (d)	29,000	32,000	36,000	39,000	42,000	42,000
Cuba (e)	—	—	11,463	16,300	17,697	(i) 18,500
United States (f) ..	815	675	565	537	2,362	4,341
Burma (g)	(a)	(a)	57	14	103	64
New Caledonia (h) ..	4,242	6,604	10,487	16,792	13,479	24,326
TOTAL*	34,200	39,400	58,900	73,000	75,800	89,300
WORLD'S TOTAL* ..	145,400	163,600	185,700	203,000	221,700	247,500

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

(a) Information not available.

(b) Nickel content of platinum matte.

(c) Nickel content of concentrates.

(d) Estimated by the U.S. Bureau of Mines.

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

	Long tons				Long tons			
1950	—	—	—	—	1953 .. .. .	..	..	12,361
1951	—	—	—	—	1954 .. .. .	..	..	12,987
1952	7,968	—	—	—	1955 .. .. .	..	..	13,516

(f) Nickel content of salts and 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			
1950	7,853	—	—	—	1953 .. .. .	..	..	7,457
1951	7,680	—	—	—	1954 .. .. .	..	..	7,852
1952	6,678	—	—	—	1955 .. .. .	..	..	2,996

(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			
1950	4,842	—	—	—	1953 .. .. .	..	..	5,856
1951	4,358	—	—	—	1954 .. .. .	..	..	8,847
1952	5,827	—	—	—	1955 .. .. .	..	..	10,514

(i) Estimated.

EXPORTS OF NICKEL

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ingots, cubes, rondels etc.	8,268	7,124	10,185	(c) 11,634	(c) 13,906	(c) 12,492
Plates, sheets, etc.	189	101	117	168	246	176
Other nickel, worked	955	167	124	165	638	1,282
Wire (alloyed)	571	567	682	849	766	793
Bars, rods, sheets, etc. (alloyed)	3,799	2,933	4,081	582	411	477
Other alloyed, worked				2,407	2,018	881
Scrap and alloyed	7,431	4,513	1,468	3,274	2,574	1,962
Nickel oxide	176	180	194	324	273	292
Southern Rhodesia—						
Ore	—	—	—	96	49	66
Union of South Africa—						
Matte (Ni content)	575	1,112	1,412	1,512	1,648	1,622
Canada—						
Matte or speiss (Ni content)	47,402	51,680	56,922	57,062	58,770	58,888
Nickel, fine	59,727	64,605	68,802	71,347	81,616	95,065
Nickel oxide (Ni content)	1,489	843	1,081	1,160	1,327	1,297
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Ingots, scrap, etc.	47	57	75	66	62	100
Sheets, wire, etc.	10	3	4	—	4	2
Denmark—						
Crude and scrap	102	35	66	210	130	150
Finland—						
Ore	920	—	460	416	—	—
Crude and scrap	—	—	12	59	—	59
France—						
Ore	—	27	—	20	10	—
Matte and speiss	625	2	—	—	177	—
Ingots	399	433	92	203	1,435	1,782
do. (alloys)	140	21	10	42	40	40
Sheets and wire	3	18	4	7	28	5
do. (alloys)	43	39	12	7	36	31
Germany (Federal)—						
Crude and scrap	827	29	74	54	15	213
Bars, sheets, wire, etc. (c)	264	178	350	415	402	333
Italy—						
Ore	(a)	—	150	19	—	12
Ingots	—	1	1	2	8	—
Scrap	—	14	5	—	—	—
Sheets, tubes, wire and alloys	37	16	—	1	3	4
Netherlands—						
Crude and scrap	294	78	(b) 16	(b) 70	(b) 70	(b) 31
Norway—						
Ore	—	3,753	—	—	—	—
Crude	9,645	9,575	11,750	13,750	16,198	17,224
Sweden—						
Crude	—	—	—	—	30	12

(a) Information not available.
(b) Scrap only.

(c) Including alloys.

EXPORTS OF NICKEL (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Crude, scrap and alloys	696	333	107	468	357	409
Bars, sheets, etc. and alloys	547	136	109	277	731	517
Cuba—						
Nickel oxide	—	—	10,778	17,681	19,013	15,339
United States—						
Bars, rods, sheets and alloys	302	172	1,011	2,937	} 11,444	} 17,208
Scrap and alloys	2,534	3,565	5,243	10,199		
Nickel-silver bars, etc.	222	198	(a)	(a)		
Japan—						
Ingots, slabs and grains	8	—	—	464	846	1,153
do. alloyed	(a)	—	—	21	395	481
Bars, rods, plates and sheets	(a)	2	—	102	516	441
New Caledonia—						
Ore (3% to 6% Ni) ..	—	6,889	108,145	204,626	146,178	330,970
Matte (75% to 78% Ni)	5,699	4,075	3,774	5,335	7,426	8,784
Ferro-nickel (32% to 35% Ni) ..	326	3,533	8,744	6,679	11,567	14,219

(a) Information not available.

IMPORTS OF NICKEL

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore, concentrates and matte	25,221	34,260	33,835	33,878	32,863	32,989
Ingots, cubes, rondels, etc.	2,480	3,225	4,578	5,879	5,930	8,690
Plates, sheets, etc.	12	47	8	14	18	3
Ingots, sheets, etc. (alloys)	1,111	2,288	1,941	3,218	2,855	3,014
Scrap and alloyed	820	221	784	1,246	2,063	2,085
Nickel oxide	539	491	653	469	624	720
Canada—						
Ingots or blocks incl. alloyed	19	43	28	402	186	401
Bars, rods, sheets, etc. incl. alloyed	1,175	1,075	1,444	2,351	1,228	1,476
Hong Kong (total imports)—						
Sheets, rods, wire, etc.	2	—	8	38	82	59
Australia (b) (c)—						
Pigs and ingots	1,083	190	480	583	585	510
Bars, sheets, tubes, etc.	82	22	18	17	17	15
Pigs and ingots, alloyed	59	13	11	12	27	228
Bars, sheets, tubes, etc. alloyed	169	107	123	782	170	}
Scrap	15	13	6	—	—	—
New Zealand—						
Ingots, bars, sheets, etc. do. (alloyed)	68	14	5	2	—	}
	52	70	33	27	11	12
Irish Republic—						
Nickel alloys and manufactures	6	5	3	5	11	33
FOREIGN COUNTRIES						
Austria—						
Crude	867	663	695	923	1,058	1,323
Anodes	32	11	13	28	78	92
Ingots, sheets, etc.	12	16	3	5	12	13
Scrap	—	—	—	—	6	42
Belgium-Luxemburg E.U.—						
Ingots, etc.	344	357	433	506	351	465
Scrap	13	6	7	12	8	158
Sheets, wire, etc.	147	166	138	109	104	118
Denmark—						
Crude and scrap	89	58	61	80	106	105
Finland—						
Crude and scrap	144	210	221	201	185	448
France—						
Ore	—	—	6,908	14,898	760	—
Matte and speiss	7,142	5,448	12,167	9,831	13,358	8,864
Ingots	190	86	986	1,196	1,142	1,551
do. (alloys)	108	215	175	56	5	3
Bars, sheets and wire	120	65	78	73	186	132
do. (alloys)	213	185	188	220	243	345
Nickel sulphate and oxide	448	363	649	395	605	747

(a) Information not available.

(b) Year ended June 30 of that stated.

(c) Revised.

IMPORTS OF NICKEL, (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Ore	581	29,587	1,045	163	56	54
Matte and speiss ..	(a)	316	466	604	55	4
Crude and scrap ..	5,869	4,080	5,488	7,041	13,079	18,273
Bars, sheets, wire, etc. and alloyed ..	25	21	11	21	82	132
Italy—						
Ingots and alloyed ..	961	523	961	1,470	1,833	2,176
Scrap	533	87	104	470	488	360
Sheets, tubes, wire, etc. and alloyed ..	263	96	88	121	131	208
Netherlands—						
Crude and scrap ..	487	323	223	193	338	315
Norway—						
Ore	—	—	—	148	74	—
Matte (copper-nickel)	16,362	20,634	26,119	29,576	34,624	37,111
Crude, bars, rods, etc. ..	51	3	9	100	14	5
Portugal	21	6	8	29	35	43
Spain—						
Crude, ingots, etc. ..	(a)	28	40	65	112	(a)
Bars, etc., including alloys ..	428	230	(a)	1,111	67	(a)
Sweden—						
Crude	3,342	2,737	2,556	2,881	3,325	3,908
Switzerland—						
Crude, scrap, and alloyed ..	604	597	518	608	519	695
Bars, sheets, etc. and alloyed ..	192	320	366	422	377	576
Yugoslavia—						
Crude	(a)	(a)	(a)	82	32	18
Algeria—						
Sheets, wire and alloys	2	—	—	4	5	—
Egypt—						
Crude, bars, sheets, etc.	4	14	9	31	23	32
Mexico (total imports)—						
Ingots	44	29	21	20	137	145
United States—						
Ore and matte	9,942	11,454	12,884	13,040	12,621	8,114
Pigs, ingots etc. ..	62,283	69,171	71,317	76,415	87,238	98,071
Bars, rods and tubes ..	33	34	10	311	118	16
Nickel oxide	14,559	10,702	21,389	26,643	28,808	29,372
Brazil (total imports)—						
Cubes and sheets ..	(a)	223	180	153	319	206
Chile—						
Ingots	68	87	76	71	(a)	(a)
Colombia (total imports)						
Ingots, sheets, etc. ..	(a)	2	7	16	25	17
Japan—						
Ore	6	532	71,675	198,093	144,449	302,673
Matte	(a)	296	838	451	120	—
Ingots, slabs, grains and alloyed ..	(a)	326	329	86	103	15
Bars, rods, sheets and alloyed ..	(a)	165	736	1	3	25
Turkey—						
Ingots, bars, and sheets	11	—	7	15	11	—

(a) Information not available.

NITROGEN COMPOUNDS
PRODUCTION OF NITRATES (NATURAL)

(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
India— Nitrate of potash ..	5,501	6,384	8,384	(b) 2,777	(c) 3,000	(a)
FOREIGN COUNTRIES						
Spain— Nitrate of potash ..	450	1,000	450	450	680	(a)
Chile— Nitrate of soda ..	1,588,653	1,657,804	1,405,267	1,397,812	1,549,445	c 1,516,000

A small amount of nitrate of soda is also produced in Peru, and nitrified earth in China.

(a) Information not available.

(b) Incomplete.

(c) Estimated.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS*

(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b)— Nitrogenous fertilizers expressed as 25% NH ₃ (c)	1,298,400	1,304,800	1,455,900	1,508,000	1,488,800	1,435,300
Actual ammonium sulphate	960,700	968,100	1,015,400	1,047,000	1,049,400	1,010,700
Canada— Ammonium sulphate ..	188,870	186,749	202,379	166,554	158,660	256,290
India— Ammonium sulphate ..	48,845	46,747	220,302	319,247	339,890	393,096
Australia— Ammonium sulphate (c)	48,736	57,893	63,815	71,192	70,811	77,800
FOREIGN COUNTRIES						
Austria— Lime ammonium nitrate	358,176	429,122	424,787	(d) 482,222	(d) 559,191	(d) 624,881
Belgium— N content— Synthetic ammonia etc.	154,867	188,639	186,447	179,426	220,171	205,963
Ammonium sulphate	10,767	15,557	15,802	15,587	15,346	15,208
Mixed fertilizers ..	2,874	3,618	4,318	4,055	7,417	6,838
Technical products ..	6,442	13,050	8,803	5,638	9,614	9,543
Finland— Cyanamide	(a)	2,646	947	3,881	1,673	(a)
Nitrate of lime	(a)	(a)	(a)	43,936	59,020	(a)
Ammonium nitrate ..	(a)	(a)	(a)	1,481	547	(a)
Ammonium sulphate ..	(a)	(a)	(a)	5,596	11,479	10,252
France (c)— Ammonium sulphate ..	249,231	227,100	236,740	199,350	168,900	193,130
Cyanamide	24,133	42,070	33,760	36,650	42,960	43,080
Nitrate of soda	42,744	31,060	33,190	31,080	29,590	31,430
Nitrate of lime	195,768	217,100	240,800	214,380	197,680	243,160
Nitrate of ammonia ..	198,475	265,280	270,300	288,100	264,310	343,930
"Ammonitrate"	178,771	187,500	269,092	294,210	343,050	420,730
Ammonium phosphate	6,140	7,050	6,000	4,100	(a)	(a)
Germany (Federal)— Chemical nitrogen (N content)— Fertilizer	433,241	473,843	592,831	614,987	685,039	751,013
Technical use	67,689	84,108	73,063	107,538	138,164	162,203
Italy— Ammonium sulphate ..	321,712	459,405	561,400	575,799	672,933	} (a)
Cyanamide	190,550	203,077	156,080	217,729	194,843	
Nitrate of soda	2,486	540	1,269	1,041	1,064	
Nitrate of lime	211,491	252,629	219,997	312,661	357,636	
Nitrate of ammonia ..	48,944	73,183	41,681	110,541	215,913	
Di-ammonium phos- phate	17,585	24,249	27,863	30,008	33,197	
Ammonium phosphate	(a)	12,022	12,966	13,646	42,070	
Netherlands— Nitrogen fertilizers (N content)	153,783	207,301	226,514	244,000	265,000	287,000

*Includes by-product ammonium sulphate which is separately recorded as far as available on pages 76-79.

(a) Information not available.

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

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

(d) Including other nitrogen fertilizers.

(e) Revised. Previous figures related to all ammonia products.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS (cont.)

Producing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Cyanamide	47,788	33,675	14,376	28,260	17,851	2,964
Nitrate of ammonia	5,679	5,308	5,662	5,238	4,970	5,974
Nitrate of lime	760,087	868,765	932,421	871,708	995,443	1,016,873
Nitrate of soda	6,640	2,348	4,210	3,378	2,090	2,133
Lime ammonium nitrate	70,864	55,428	40,372	61,769	58,657	65,706
Poland—						
Ammonium sulphate	507,000	(a)	(a)	74,000	80,600	(a)
“Asotniak”				165,400	153,400	(a)
“Saletrzak”				111,400	190,100	(a)
Portugal—						
Cyanamide	—	1	(a)	(a)	2,121	(a)
Ammonium chloride	979	500	(a)	(a)	(a)	(a)
Nitrate of ammonia	782	698	(a)	(a)	(a)	(a)
Nitrate of soda	169	123	(a)	(a)	(a)	(a)
Ammonium sulphate	219	469	42,522	33,042	57,810	78,934
Spain—						
Cyanamide	(a)	(a)	6,889	2,500	8,697	(a)
Ammonium nitrate	(a)	(a)	27,269	25,371	37,608	(a)
Ammonium sulphate	13,566	28,548	89,325	87,604	119,947	138,761
Sweden—						
Compressed ammonia (100%)	10,139	10,439	10,336	12,206	(a)	(a)
Ammonia (25%)	4,134	5,708	3,714	4,050	(a)	(a)
Synthetic nitrogen fertilizer (<i>N content</i>)	25,203	21,788	25,003	28,596	26,042	25,022
Yugoslavia—						
Ammonium nitrate	—	—	—	—	3,344	16,462
Egypt—						
Nitrate of lime	(a)	(a)	90,254	121,027	156,000	187,900
United States—						
Sulphate equivalent of ammonia produced (coke-ovens)	825,503	890,869	795,224	933,496	792,172	933,749
Actual ammonium sulphate (coke-ovens)	741,979	802,020	716,440	844,762	734,704	876,184
Actual ammonium sulphate (synthetic plants)	1,015,822	555,432	725,710	514,493	828,971	1,009,916
Anhydrous ammonia (synthetic plants)	1,397,829	1,586,673	1,832,245	2,042,665	2,428,268	2,800,037
Ammonium nitrate, original	1,083,849	1,202,181	1,310,126	1,391,479	1,448,862	1,541,536
Brazil (Volta Redonda)—						
Ammonium sulphate	(a)	(a)	(a)	4,465	6,126	5,872
Formosa—						
Cyanamide	(a)	46,831	67,979	72,085	70,614	72,841
Ammonium sulphate	(a)	4,874	5,640	5,748	4,908	4,358
Liquid ammonia	(a)	129	313	402	496	354
Japan—						
Ammonium sulphate	1,545,165	1,647,963	1,921,446	2,000,612	2,151,491	2,095,319
Cyanamide	449,105	408,820	517,476	517,169	511,677	502,814
Ammonium nitrate	13,299	28,735	26,089	32,290	37,191	33,695
Ammonium chloride	7,759	13,641	27,318	34,640	57,021	62,843

(a) Information not available.

EXPORTS OF NITROGEN COMPOUNDS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	1,868	2,364	1,314	1,309	1,198	1,007
Nitrate of soda ..	1,170	7,554	2,171	1,672	536	165
Ammonium sulphate ..	277,086	(c) 255,537	447,348	393,546	338,758	203,928
Ammonium chloride ..	14,725	15,283	10,315	12,922	14,581	12,802
Ammonium nitrate ..	58,572	63,756	55,762	33,481	9,962	5,814
Ammonium phosphate ..	520	720	524	568	149	118
Liquid ammonia ..	932	1,117	893	844	982	997
Anhydrous ammonia ..	3,457	3,337	1,992	3,787	4,054	4,439
Other nitrogen fertilizers	(a)	(a)	(a)	7,884	5,837	4,131
Canada—						
Ammonium sulphate ..	186,706	130,110	178,287	131,581	138,179	(a)
Nitrogen fertilizers ..	338,586	266,271	305,361	304,232	276,922	(a)
Hong Kong (re-exports)—						
Nitrate of potash ..	—	—	—	134	84	142
Nitrate of soda ..	9	—	—	15	50	1
Ammonium sulphate ..	117,170	100,751	143,391	137,606	293,849	142,655
Synthetic nitrate ..				4,846	5,192	1,168
Ammonium chloride ..				2,134	336	86
India—						
Nitrate of potash ..	64	227	59	40	110	111
Malaya (including re-exports)—						
Nitrates of potash and soda ..	5	14	12	7	9	11
Other nitrogen fertilizers	1,092	1,315	862	1,263	2,063	1,463
Anhydrous ammonia ..	31	3	7	12	8	8
FOREIGN COUNTRIES						
Austria—						
Lime ammonium nitrate	289,887	269,822	265,168	(a)	(a)	(a)
Ammonium nitrate ..	—	1,028	20	14	80	—
Ammonium sulphate ..	1,164	—	2,257	—	—	—
Anhydrous ammonia ..	9,227	3,528	240	206	431	577
Belgium-Luxembourg						
E.U.—						
Nitrate of potash ..	1,111	1,328	379	91	119	49
Nitrate of soda ..	2,252	359	445	202	178	56
Nitrate of lime ..	—	1,312	9,463	1,373	1	11
Ammonium sulphate ..	385,680	460,907	354,452	542,356	532,121	480,884
Ammonium chloride ..	1	2,347	185	30	24	70
Ammonium nitrate ..	67,481	165,817	71,509	112,729	114,174	184,810
Ammonium phosphate ..	996	1,868	2,907	8,723	13,145	13,942
Cyanamide ..	14,824	9,235	2,977	1,076	1,641	7,992
Liquid ammonia ..	45	61	83	44	83	107
France—						
Nitrate of potash ..	4,551	3,705	1,328	669	980	1,225
Nitrate of soda ..	684	1,105	1,011	3,394	1,518	3,881
Nitrate of lime ..	3,352	6,311	5,396	5,255	12,250	5,484
Ammonium sulphate(b)	106,955	95,651	161,686	63,739	162,576	69,556
Ammonium chloride ..	1,772	1,553	399	2,511	1,802	1,072
Ammonium nitrate ..	4,824	5,249	2,143	5,190	6,830	6,465
Cyanamide ..	819	667	541	221	908	537
Liquid ammonia ..	473	282	222	147	152	142
Anhydrous ammonia ..	552	563	566	667	697	383

(a) Information not available.

(c) Revised.

(b) May include some "Ammonium nitrate".

EXPORTS OF NITROGEN COMPOUNDS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Nitrate of potash ..	946	1,784	2,662	5,399	5,372	7,090
Nitrate of soda ..	34,304	3,976	3,243	15,133	21,378	4,964
Nitrate of lime, etc. ..	114,946	99,632	91,665	157,705	123,434	99,979
Lime ammonium nitrate	(a)	(c) 74,005	333,477	390,999	438,903	570,888
Ammonium chloride ..	4,583	5,834	1,966	4,363	7,470	8,758
Ammonium nitrate, etc.	4,436	1,750	—	—	—	—
Cyanamide ..	4,893	(b) 4,226	(a)	(a)	(a)	(a)
Other nitrogen fertilizers	87,318	188,707	236,107	302,511	394,084	502,606
Liquid ammonia ..	126	10,334	30,854	3,831	12,997	17,573
Italy—						
Nitrate of soda ..	23	1	249	16	11	3
Nitrate of lime ..	(a)	—	1,969	16,768	10,355	16,200
Ammonium nitrate ..	586	10	387	28,310	80,306	98,058
Ammonium sulphate ..	16,890	31,674	172,600	164,240	141,074	216,721
Cyanamide ..	4,721	11,683	6,330	48	5,717	5,341
Netherlands—						
Nitrate of potash ..	17	25	14	14	12	18
Nitrate of soda ..	17	62	26	1	—	16
Nitrate of lime ..	7,075	39,302	46,765	45,708	51,135	33,286
Ammonium sulphate ..	103,619	205,218	286,161	278,198	281,141	317,268
Ammonium chloride ..	41	56	10	28	57	76
Ammonium nitrate ..	(a)	(a)	—	797	—	—
Lime ammonium nitrate	(a)	49,620	149,337	198,758	219,908	155,846
Other nitrogen fertilizers	82	46	—	44	—	—
Norway—						
Nitrate of soda ..	5,895	4,531	3,957	2,793	1,405	2,095
Nitrate of lime ..	731,883	825,026	815,578	842,488	924,232	869,105
Ammonium nitrate ..	1,828	1,707	660	163	188	191
Cyanamide ..	42,282	14,005	17,070	26,497	4,919	221
Portugal—						
Ammonium sulphate ..	(a)	1,537	3,846	712	2,839	5,597
Spain—						
Ammonium sulphate ..	709	874	378	—	—	—
Synthetic nitrates ..	158	713	1,047	—	—	—
Sweden—						
Ammonium nitrate ..	297	129	17	12	15	2,972
Switzerland—						
Nitrate of potash (crude)	15,449	8,686	10,658	6,801	—	5
Nitrates of potash and soda (purified) ..	—	10	68	24	22	105
Ammonium sulphate, etc. ..	3,217	2,274	5,800	5,963	3,493	579
United States—						
Nitrate of soda ..	29,341	38,990	8,430	21,615	22,604	10,379
Ammonium nitrate ..	87,058	5,628	8,520	7,308	15,145	69,567
Ammonium sulphate ..	731,504	119,732	108,560	35,215	180,579	546,792
Other nitrogen fertilizers ..	36,931	56,936	42,865	41,505	43,635	73,318
Nitrogen phosphatic fertilizers ..	151,379	97,317	54,348	41,120	76,479	75,810
Anhydrous ammonia ..	9,109	5,274	13,778	13,499	35,051	39,334
Chile—						
Nitrate of soda ..	1,564,199	1,520,133	1,251,865	1,173,617	1,486,754	d 1,057,126
Nitrate of potash ..	73,631	52,393	47,832	41,715	63,038	(d) 48,265
Japan—						
Cyanamide ..	(a)	19,676	462	13,838	60,072	33,010
Ammonium nitrate ..	(a)	2,171	2,339	3,283	3,849	2,559
Ammonium chloride ..	(a)	268	71	14	1,485	11,003
Ammonium sulphate ..	47,496	21,632	176,633	491,275	457,317	407,114
Other nitrogen fertilizers	(a)	92,334	42,438	63,905	19,102	62,151

(a) Information not available.

(c) October to December only.

(b) January to September only.

(d) January to November only.

IMPORTS OF NITROGEN COMPOUNDS

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	244	489	343	710	927	1,281
Nitrate of soda ..	17,000	30,044	16,873	16,598	13,354	18,754
Cyanamide ..	3,615	3,439	7,748	6,116	2,043	1,480
Anhydrous ammonia ..	6	13	15	18	36	38
Malta—						
Nitrate of soda ..	(a)	198	119	98	148	(a)
Ammonium sulphate ..	(a)	145	728	1,084	1,805	1,309
Anglo-Egyptian Sudan—						
Synthetic nitrate of soda, calcium and ammonia	9,654	10,560	22,296	16,646	18,426	13,180
Other nitrogen fertilizers	—	—	1,904	1,924	7	14,253
Gold Coast—						
Ammonium sulphate ..	(a)	(a)	(a)	(a)	443	571
Kenya—						
Nitrate of soda ..	—	—	21	—	—	124
Other nitrogen fertilizers	586	810	3,332	2,365	3,935	8,097
Mauritius—						
Nitrate of potash ..	988	1,482	988	} 25,015	} 20,527	} 26,909
Nitrate of soda ..	6,916	6,622	7,600			
Ammonium chloride ..	—	—	—			
Ammonium sulphate ..	14,078	21,828	22,437			
Nigeria—						
Ammonium sulphate ..	(a)	(a)	(a)	(a)	4,390	4,177
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	5	571
Northern Rhodesia—						
Nitrates ..	8	72	119	95	(c)	(c)
Ammonium compounds	511	837	827	903	(c)	(c)
Southern Rhodesia—						
Nitrates (incl. fertilizers)	1,559	1,577	2,292	4,404	(b) 2,713	(b) 4,515
Anhydrous ammonia ..	20	19	19	33	} (b) 1,112	} (b) 855
Ammonium compounds	(a)	(a)	(a)	(a)		
South West Africa—						
Anhydrous ammonia ..	8	9	10	1	2	(a)
Tanganyika—						
Synthetic nitrate of soda, calcium and ammonia	2	21	25	10	} 1,423	} 2,228
Other nitrogen fertilizers	813	853	4,889	—		
Uganda—						
Nitrogen fertilizers ..	121	524	587	724	761	2,247
Union of South Africa—						
Nitrate of potash ..	118	92	77	138	—	(a)
Nitrate of soda ..	288	204	787	2,380	—	(a)
Ammonium sulphate ..	33,569	41,275	44,349	34,769	62,872	(a)
Ammonium chloride ..	599	1,306	317	366	410	(a)
Ammonium nitrate ..	26,396	16,136	34,489	22,137	15,057	9,403
British Guiana—						
Nitrogen fertilizers ..	10,329	17,967	12,831	10,855	12,455	(d) 11,967
British West Indies—						
Barbados—						
Nitrate of soda ..	—	—	—	—	—	10
Ammonium sulphate	6,222	12,137	10,039	9,682	9,365	10,779
Jamaica—						
Nitrogen fertilizers	10,844	15,954	10,909	17,370	20,288	18,852
St. Vincent—						
Ammonium sulphate	199	504	825	265	544	490
Trinidad and Tobago—						
Ammonium sulphate	5,275	8,916	11,503	8,615	12,204	13,504

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) See under Southern Rhodesia.

(d) Ammonium sulphate only.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Canada—						
Nitrate of potash ..	448	634	350	539	442	554
Nitrate of soda ..	17,486	23,613	20,042	17,904	16,044	19,131
Ammonium sulphate ..	92	281	754	18,977	12,591	6,276
Ammonium chloride ..	351	1,128	262	339	396	554
Ammonium nitrate ..	652	1,279	1,251	718	767	741
Anhydrous ammonia ..	5,714	1,214	7,620	7,502	24,124	20,796
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	942	334
Ceylon—						
Ammonium sulphate ..	49,790	86,306	51,372	77,428	89,601	99,788
Cyanamide	160	196	281	403	363	251
Cyprus—						
Ammonium sulphate ..	(a)	(a)	(a)	6,750	4,878	10,035
Ammonium chloride ..	6	6	3	6	6	5,040
Other nitrogen fertilizers	(a)	(a)	(a)	3,108	5,526	
Hong Kong (total imports)—						
Nitrate of potash ..	(a)	(a)	(a)	251	362	564
Nitrate of soda ..	264	—	—	310	—	—
Ammonium sulphate ..	100,329	105,195	156,594	108,185	306,892	149,300
Synthetic nitrates ..				17	6,189	4,862	1,572
Ammonium chloride ..	1,084	4,184	(a)	1,675	107	394
India—						
Nitrate of soda ..	583	10,710	3,705	9,794	8,444	8,390
Ammonium sulphate ..	410,907	84,684	33,615	77,824	83	15,597
Ammonium phosphate ..	—	—	1,350	300	—	300
Ammonium chloride ..	1,508	4,443	2,729	4,123	4,293	2,643
Other ammonium salts ..	399	2,809	243	646	1,968	1,844
Anhydrous ammonia ..	91	137	45	101	81	98
Other nitrogen fertilizers	12,989	450	5,584	4,300	2,119	2,991
Malaya (total imports)—						
Nitrogen fertilizers ..	22,311	29,154	35,964	24,546	42,820	51,604
Anhydrous ammonia ..	1,472	1,757	561	1,860	2,014	3,044
North Borneo—						
Ammonium sulphate ..	(a)	(a)	(a)	(a)	198	246
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	8	30
Pakistan (b)—						
Nitrate of soda ..	(a)	60	5	30	5	—
Ammonium sulphate ..		9,448	5,593	92	—	3
Ammonium chloride ..		26	40	13	97	25
Other ammonium salts ..		274	134	122	382	50
Anhydrous ammonia ..		68	59	182	151	64
Sarawak—						
Ammonium sulphate ..	(a)	(a)	(a)	(a)	663	802
Other nitrogen fertilizers	(a)	(a)	(a)	(a)	23	31
Australia (c) (d)—						
Nitrate of potash (e) ..	269	713	332	174	272	297
Nitrate of soda ..	13,408	5,700	15,765	7,855	6,963	11,714
Ammonium chloride ..	14	(e) 42	(e) 40	(e) 19	52	(a)
Ammonium sulphate ..	27,257	42,756	40,848	384	11,187	35,056
Ammonium nitrate ..	50	(e) 1,420	(e) 6,482	(e) 1	1,144	1,222
Other nitrogen fertilizers	34	15	49	22	72	260
New Zealand—						
Nitrate of potash ..	91	64	50	79	29	98
Nitrate of soda ..	3,007	4,042	3,302	3,427	3,103	5,863
Ammonium sulphate ..	4,254	4,746	4,567	2,782	4,583	5,716
Ammonium chloride ..	338	235	452	227	278	348
Ammonium nitrate ..	4	21	139	12	410	(a)
Anhydrous ammonia ..	83	83	75	47	40	46
Cyanamide	—	503	454	2,211	5,317	—
Fiji—						
Ammonium sulphate ..	4,573	3,508	4,110	4,333	5,368	(a)

(a) Information not available.

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

(c) Years ended June 30 of that stated.

(d) Revised.

(e) Total imports.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
Irish Republic—						
Nitrate of potash ..	215	95	90	(a)	(a)	(a)
Nitrate of soda ..	159	5,788	6,032	100	(a)	4,493
Ammonium sulphate ..	31,185	36,200	25,202	51,483	47,723	59,647
Liquid ammonia ..	669	676	507	415	546	534
Anhydrous ammonia ..	57	80	73	58	57	56
Other nitrogen fertilizers	(a)	(a)	853	659	2,471	9,504
FOREIGN COUNTRIES						
Austria—						
Nitrate of lime ..	(a)	2,928	5,404	2,067	2,068	1,230
Nitrate of potash ..	205	206	160	221	341	381
Cyanamide ..	6,941	4,886	—	884	930	1,399
Ammonium chloride ..	176	322	202	75	24	12
Belgium-Luxemburg						
E.U.—						
Nitrate of potash ..	113	124	2	1,176	1,102	1,741
Nitrate of soda ..	14,162	5,957	25,264	21,715	41,406	30,166
Nitrate of lime ..	—	1	318	3,361	863	820
Cyanamide ..	137	728	—	80	62	94
Ammonium sulphate ..	6,673	1,694	2,750	31,886	5,379	4,883
Ammonium chloride ..	739	546	644	1,050	2,449	2,294
Ammonium nitrate ..	3,497	478	8,205	44,850	1,856	1,290
Anhydrous ammonia ..	13,219	11,543	11,878	2,162	9,850	12,638
Denmark—						
Nitrate of potash ..	738	939	567	692	972	742
Nitrate of soda ..	44,136	40,187	14,076	14,912	25,633	18,347
Nitrate of lime ..	305,619	361,281	357,961	436,634	478,991	414,747
Ammonium sulphate ..	32,182	14,436	9,685	109	7,293	9,873
Ammonium chloride ..	820	1,024	409	938	636	550
Ammonium nitrate ..	216	61,662	21,365	32,601	25,063	7,648
Cyanamide ..	3,937	787	—	143	73	—
Finland—						
Nitrate of potash ..	30	100	100	67	99	132
Nitrate of soda ..	607	565	275	464	658	361
Nitrate of lime ..	40,209	29,276	62,525	32,496	28,588	35,874
Ammonium nitrate ..	7,262	6,168	31,197	25,284	38,771	18,331
Ammonium sulphate ..	23,434	61,504	36,911	24,496	31,154	31,710
Ammonium chloride ..	42	319	166	219	260	273
Liquid ammonia ..	402	555	267	30	7	6
France—						
Nitrate of soda ..	139,242	147,097	59,834	84,660	138,665	102,819
Nitrate of lime, etc. ..	—	1,699	—	—	—	9,818
Ammonium sulphate (b)	—	25,111	33,602	2,981	25,952	75,158
Ammonium nitrate ..	23,385	28,157	14,452	7,985	19,024	2,275
Ammonium chloride ..	1,063	791	616	938	1,402	1,995
Anhydrous ammonia ..	16,077	25,722	19,440	374	1,222	2,138
Cyanamide ..	25,869	—	946	—	—	1,022
Liquid ammonia ..	2	16	1	1	—	1
Germany (Federal)—						
Nitrate of potash ..	—	10	—	49	157	207
Nitrate of soda ..	—	3,978	2,624	5,449	27,937	28,482
Ammonium nitrate ..	32,613	—	—	—	—	—
Greece—						
Nitrate of potash ..	126	123	96	43	179	(a)
Nitrate of soda ..	16,671	46,522	20,625	679	44,626	7,117
Ammonium nitrate ..	26,053	27,594	8,544	3,100	12,172	20,330
Ammonium sulphate ..	23,943	58,645	16,869	65,577	82,294	75,624
Liquid ammonia ..	745	1,224	1,115	741	6,132	(a)
Iceland—						
Nitrate of lime ..	1,462	—	30	—	5	20
Ammonium nitrate ..	2,705	7,135	—	—	—	—
Lime ammonium nitrate	4,913	2,461	11,121	13,780	13,385	—
Nitrophoska ..	(a)	295	738	1,083	1,292	2,297
Other nitrogen fertilizers	244	177	(a)	(a)	—	—

(a) Information not available.

(b) May include some "ammonium nitrate".

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Nitrate of potash ..	1,839	1,320	928	1,038	1,034	807
Nitrate of soda ..	40,564	25,666	18,688	41,794	50,586	44,469
Nitrate of lime ..	10,488	7,814	5,866	5,437	—	—
Ammonium chloride ..	487	413	408	589	1,065	1,022
Ammonium nitrate ..	906	5,038	1,613	5,470	2,379	2
Cyanamide ..	8,313	2,948	8,501	1,476	—	—
Netherlands—						
Nitrate of potash ..	1,891	1,647	1,537	1,075	1,461	1,718
Nitrate of soda ..	31,332	1,956	5,494	14,578	38,267	28,836
Nitrate of lime ..	28	314	2,489	15	39	31
Ammonium sulphate ..	6,912	285	11	6,818	7,876	3,169
Ammonium chloride ..	810	974	613	906	1,207	1,603
Ammonium nitrate ..	5,617	—	1	1	2	1
Lime ammonium nitrate	177,074	109,756	38,937	110,096	115,040	33,442
Cyanamide ..	17,178	12,795	10,260	7,028	5,313	2,404
Other nitrogen fertilizers	—	—	536	2,044	8,512	9,753
Norway—						
Nitrate of potash ..	106	203	80	129	199	104
Ammonium sulphate ..	266	266	145	156	145	196
Portugal—						
Nitrate of potash ..	—	1	153	280	353	316
Nitrate of soda ..	26,969	22,775	32,046	22,645	38,364	23,093
Nitrate of lime ..	(a)	(a)	(a)	1,067	2,669	3,291
Ammonium sulphate ..	84,804	104,588	60,722	79,427	138,515	57,297
Ammonium chloride ..	1,753	61	53	56	60	110
Ammonium nitrate ..	1,027	1,401	2,307	5,936	2,747	2,458
Cyanamide ..	6,882	14,745	4,759	6,751	6,011	7,297
Lime ammonium nitrate	1,030	2,095	15,045	25,000	37,507	33,076
Nitro-phoska ..	(a)	(a)	(a)	2,664	3,489	3,435
Anhydrous ammonia ..	349	418	460	406	289	150
Spain—						
Nitrate of soda ..	162,818	30,555	68,295	142,412	151,953	99,041
Cyanamide ..	3,742	226	5	—	—	(a)
Ammonium sulphate ..	175,223	172,194	300,471	122,793	201,095	(a)
Ammonium chloride ..	12,465	16	43	—	—	(a)
Synthetic nitrates ..	93,004	112,787	112,870	63,176	81,947	130,828
Sweden—						
Nitrate of potash ..	542	675	382	636	700	776
Nitrate of soda ..	34,370	36,174	29,706	23,713	36,226	53,653
Nitrate of lime ..	210,194	284,563	280,700	247,864	294,364	264,572
Ammonium nitrate ..	6,378	7	2	22	106	175
Ammonium sulphate ..	3,833	8,825	1,677	1,782	2,204	3,967
Ammonium chloride ..	634	440	285	671	1,135	965
Cyanamide ..	2,952	—	3,931	4,862	—	—
Switzerland—						
Nitrate of potash, crude	—	—	98	99	1	295
Nitrates of potash and soda, purified ..	932	547	513	661	475	697
Ammonium sulphate, etc. ..	1,089	419	130	558	542	49
Ammonium chloride ..	516	798	269	360	606	814
Yugoslavia—						
Nitrate of potash ..	98	222	219	1	1,080	—
Nitrate of soda ..	9,399	12,210	6,097	5,843	10,521	9,693
Ammonium chloride ..	82	141	172	(a)	(a)	(a)
Ammonium sulphate ..	295	79	113	8,061	8	—
Ammonium nitrate ..	2,599	8,930	3,932	(a)	(a)	(a)
Lime ammonium nitrate	(a)	(a)	(a)	4,441	76,105	113,573

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Algeria—						
Nitrate of potash ..	38	22	20	13	21	11
Nitrate of soda ..	345	384	340	459	909	1,224
Nitrate of lime ..	2,216	4,104	3,269	3,279	4,680	4,108
Ammonium chloride ..	(a)	710	263	150	1,028	959
Ammonium sulphate ..	14,401	21,608	9,949	16,937	20,619	23,444
Ammonium nitrate ..	3,664	2,617	1,486	3,957	5,035	5,510
Cyanamide ..	578	274	320	89	430	138
Liquid ammonia ..	123	106	95	84	98	79
Angola—						
Ammonium sulphate ..	1,986	1,981	1,358	837	1,835	3,091
Egypt—						
Nitrate of soda ..	348,158	246,893	274,541	171,428	96,288	35,388
Nitrate of lime ..	196,600	177,999	190,073	236,702	186,218	165,481
Ammonium sulphate ..	17,452	65,488	38,297	28,846	81,080	83,666
Ammonium chloride ..	485	486	577	433	565	539
Ammonium nitrate ..	68,278	69,838	37,938	66,896	158,322	127,835
Ammonium sulpho-nitrate ..	197	8,226	8,566	12,459	15,940	31,494
Nitro-chalk ..	—	—	492	—	—	—
Morocco (French)—						
Nitrate of potash ..	(a)	(a)	(a)	293	324	(a)
Nitrate of soda ..	246	240	188	40	225	(a)
Ammonium nitrate ..	246	1,065	286	580	1,690	(a)
Ammonium sulphate ..	5,488	4,299	9,392	9,160	14,986	(a)
Morocco (Spanish)—						
Ammonium sulphate ..	328	529	575	385	541	1,346
Reunion—						
Ammonium sulphate ..	(a)	(a)	5,933	6,098	7,374	(a)
Tunis—						
Nitrate of potash ..	(a)	15	(a)	70	19	148
Nitrate of soda ..	(a)	275	(a)	302	171	265
Nitrate of lime etc. ..	(a)	88	(a)	93	221	216
Ammonium sulphate, etc. ..	(a)	1,239	(a)	1,612	2,771	2,476
Cuba—						
Nitrate of potash ..	16,842	22,066	22,708	8,262	3,883	(a)
Nitrate of soda ..	7,904	13,496	5,127	814	2,481	(a)
Ammonium sulphate ..	28,741	44,263	33,616	8,825	21,763	(a)
Anhydrous ammonia ..	443	148	737	790	97	(a)
Mexico—						
Nitrate of soda ..	7,962	12,334	11,007	9,352	15,119	9,532
Ammonium sulphate ..	14,543	2,842	50	23	8,108	41,202
Ammonium nitrate ..	4,405	6,783	5,156	4,046	10,121	24,528
Liquid ammonia ..	1,701	2,376	1,302	1,730	1,609	2,001
United States—						
Nitrates of potash and soda, crude ..	18,222	7,728	14,696	11,175	7,874	17,232
Nitrate of potash ..	20	3,006	11,373	14,233	5,364	2,089
Nitrate of soda ..	551,802	658,325	602,972	507,922	653,152	542,556
Nitrate of lime ..	39,671	49,771	35,237	60,530	61,283	50,323
Ammonium sulphate ..	129,225	184,023	212,556	467,730	272,332	154,570
Ammonium chloride ..	5,332	2,995	1,663	1,901	1,560	1,694
Ammonium nitrate ..	198,948	306,350	417,670	681,590	468,695	361,827
Ammonium phosphates ..	96,157	120,502	119,007	148,658	146,547	209,279
Cyanamide ..	87,254	60,921	85,888	73,409	75,188	72,954
Argentina—						
Nitrate of potash ..	114	(a)	142	370	504	826
Nitrate of soda ..	28,723	(a)	20,908	7,183	20,405	27,576
Ammonium sulphate ..	1,078	(a)	6,855	6,346	10,889	11,517
Anhydrous ammonia ..	204	(a)	13	—	—	—

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil (total imports)—						
Nitrate of potash ..	(a)	1,988	1,354	177	2,055	869
Nitrate of soda ..	61,509	70,332	45,547	77,736	43,750	49,713
Ammonium nitrate ..	(a)	1,018	508	1,014	1,578	2,370
Ammonium sulphate ..	(a)	21,314	6,383	21,164	23,215	28,237
Cyanamide ..	(a)	61	194	—	71	181
Other nitrogen fertilizers	(a)	(a)	(a)	4,148	12,458	9,943
Liquid ammonia ..	(a)	73	58	—	10	5
Anhydrous ammonia ..	(a)	412	201	10	16	—
Chile—						
Ammonium chloride ..	266	401	877	178	(a)	(a)
Ammonium sulphate ..	22	29	6	54	(a)	(a)
Ammonium nitrate ..	2,263	4,986	4,633	4,371	1,116	(a)
Liquid ammonia ..	8	6	16	10	(a)	(a)
Anhydrous ammonia ..	33	285	128	32	(a)	(a)
Colombia (total imports)—						
Nitrate of potash ..	289	137	106	263	273	326
Nitrate of soda ..	1,633	1,636	1,035	612	1,857	335
Ammonium chloride ..	(a)	267	87	58	113	99
Ammonium sulphate ..	(a)	6,716	3,841	2,706	3,472	4,791
Other nitrogen fertilizers	(a)	704	2,434	5,454	10,198	1,189
Ecuador—						
Nitrogen fertilizers ..	(a)	1,701	1,168	760	2,302	(a)
Peru—						
Nitrate of potash ..	14	53	21	41	55	52
Nitrate of soda ..	7,383	8,456	9,648	7,063	6,710	16,852
Liquid ammonia ..	26	172	40	49	86	89
Anhydrous ammonia ..	35	183	105	106	171	173
Other nitrogen fertilizers	5,687	13,937	15,354	18,303	20,921	20,642
Uruguay—						
Nitrate of potash ..	41	9	984	571	(a)	(a)
Nitrate of soda ..	330	409	514	1,808	(a)	(a)
Ammonium sulphate ..	392	900	223	1,443	(a)	(a)
Liquid ammonia ..	168	(a)	(a)	(a)	(a)	(a)
Venezuela (total imports)						
Nitrate of potash ..	82	88	59	213	289	557
Nitrate of soda ..	448	400	685	986	568	809
Ammonium sulphate ..	1,786	206	790	2,492	3,399	9,421
Liquid ammonia ..	30	(a)	60	105	18	116
Formosa—						
Nitrate of soda ..	2	297	346	767	1,244	768
Ammonium sulphate ..	128,147	74,950	80,901	120,474	286,283	252,638
Other nitrogen fertilizers	(a)	(a)	1,314	45,605	544	(a)
Indo-China—						
Ammonium phosphate	(a)	2,063	4,048	68	(a)	(a)
Ammonium sulphate ..	3,280	10,259	8,921	10,038	11,774	(a)
Indonesia—						
Nitrate of soda ..	34	248	59	153	294	398
Ammonium chloride ..	68	207	186	238	291	224
Ammonium sulphate ..	56,843	26,260	51,579	66,701	73,306	99,736
Other nitrogen fertilizers	1,382	2,527	424	787	1,773	922
Israel—						
Ammonium sulphate ..	14,409	26,622	10,439	18,203	42,162	36,575
Nitrogen fertilizers ..	3,943	5,177	4,315	2,848	12,961	6,061
Japan—						
Nitrate of soda ..	—	6,854	5,572	6,658	8,883	7,759
Ammonium sulphate ..	200,643	—	—	—	—	—
Ammonium nitrate ..	73,342	—	—	—	—	—

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
Korea (b)—						
Ammonium sulphate ..	(a)	(a)	164,572	374,562	154,445	63,700
Ammonium nitrate ..			30,202	67,455	18,634	(a)
Philippine Republic—						
Nitrate of potash ..	5	435	16	37	78	1,803
Nitrate of soda ..	36	3	—	43	2	—
Ammonium sulphate ..	76,171	48,888	86,478	56,088	23,880	49,304
Turkey—						
Nitrate of soda ..	69	1,240	2,929	488	1,477	125
Ammonium chloride ..	207	406	569	382	103	306
Ammonium sulphate ..	—	1	2	—	2	4
Ammonium nitrate ..	169	532	—	492	10	410
Liquid ammonia ..	111	49	34	133	40	33

(a) Information not available.

(b) Including C.R.I.K. supplies.

PETROLEUM AND ALLIED PRODUCTS

PRODUCTION OF CRUDE PETROLEUM*

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	45,700	45,200	55,500	54,800	59,100	53,600
Shale oil ..	111,600	104,600	106,500	104,100	99,600	96,700
Union of South Africa—						
(Shale oil) (c) ..	39,569	37,514	32,997	38,403	34,613	36,337
Canada (b) ..	3,626,245	6,027,283	7,751,560	10,240,367	12,162,069	16,386,395
Trinidad (b) ..	2,947,489	2,977,531	3,036,811	3,192,275	3,375,618	3,556,544
Bahrain Islands (e) ..	1,476,663	1,474,742	1,475,104	1,482,967	1,456,600	1,489,100
British Borneo—						
Brunei ..	4,051,010	4,891,784	4,993,687	4,803,603	4,712,241	5,133,440
Sarawak ..	56,601	51,702	49,944	49,057	70,190	65,614
India (b) ..	251,804	260,400	258,752	267,245	301,834	341,098
Pakistan ..	183,000	193,985	226,200	251,700	277,800	295,322
Kuwait (e) ..	17,018,666	27,783,170	37,042,122	42,529,558	46,969,415	53,894,068
Qatar (e) ..	1,551,853	2,332,214	3,245,343	3,997,926	4,704,423	5,361,779
Australia ..	160	270	—	—	—	—
New Zealand ..	948	758	1,236	1,135	979	814
TOTAL ..	31,361,000	46,180,000	58,270,000	67,010,000	74,224,000	86,711,000
FOREIGN COUNTRIES						
Albania (f) ..	130,000	(d) 150,000	(d) 180,000	200,000	230,000	259,000
Austria (f) ..	1,672,014	2,247,373	2,721,277	3,170,064	3,377,582	3,608,211
Czechoslovakia (d) ..	80,000	95,000	178,000	192,000	198,000	200,000
France ..	125,097	286,135	343,039	360,546	500,000	861,900
Germany (Federal) ..	1,100,949	1,345,100	1,727,705	2,154,135	2,624,000	3,097,000
Hungary (f) ..	504,000	491,000	589,000	833,000	1,198,000	1,576,000
Italy ..	8,050	17,367	62,646	83,941	70,996	201,514
Netherlands ..	693,708	703,024	703,712	806,977	922,231	1,008,000
Poland (d) ..	175,000	180,000	230,000	240,000	250,000	260,000
Roumania (f) ..	5,000,000	6,100,000	7,800,000	9,000,000	9,600,000	10,400,000
U.S.S.R. (d) ..	37,200,000	41,600,000	46,600,000	52,000,000	58,400,000	69,700,000
Yugoslavia ..	108,600	145,793	149,144	169,995	212,856	253,143
Algeria ..	3,390	8,040	45,298	88,332	72,900	53,964
Egypt ..	2,305,925	2,295,343	2,315,023	2,314,111	1,938,978	1,792,640
Morocco (French) ..	38,695	74,472	99,431	100,990	116,085	100,838
Cuba ..	15,000	13,000	15,000	21,000	14,000	50,000
Mexico (b) ..	10,156,056	10,761,000	10,854,700	10,046,000	11,782,000	12,591,900
United States (b) ..	270,352,600	307,905,600	313,676,200	322,887,900	317,121,600	340,345,300
Argentina ..	3,326,044	3,468,366	3,494,000	4,039,000	4,171,000	4,324,564
Bolivia ..	82,000	66,000	68,000	60,300	156,000	354,000
Brazil ..	37,823	92,925	100,944	123,194	133,517	261,503
Chile ..	79,000	95,000	116,700	161,480	222,700	331,000
Colombia (b) ..	4,797,091	5,520,986	5,438,193	5,553,586	5,631,059	5,593,046
Ecuador ..	350,959	361,000	378,590	395,250	419,524	479,883

*Excluding Natural Gasoline. See page 224. (a) Information not available.

(b) The following conversion rates have been used: 35 gallons=1 barrel, and the undermentioned barrels=1 ton—Canada 7.9, 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) Years ended June 25 of that stated.

(d) Estimated.

(e) British Protected State.

(f) Revised.

PRODUCTION OF CRUDE PETROLEUM (cont.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Peru	2,018,183	2,104,993	2,306,290	2,253,372	2,243,684	2,254,064
Venezuela	78,611,400	89,456,000	94,925,000	92,623,000	99,462,000	113,205,000
Burma	66,902	100,414	100,470	127,765	178,460	215,193
China (b) (g)	200,000	300,000	429,000	618,000	776,000	950,000
Formosa	3,000	2,830	2,400	2,350	4,620	3,110
Indonesia	6,312,315	7,327,145	8,388,780	10,063,826	10,604,957	11,604,063
Iran	31,750,000	<i>c</i> 16,176,600	<i>b</i> 1,250,000	<i>b</i> 1,140,000	<i>b</i> 2,700,000	<i>f</i> 15,772,000
Iraq	6,544,913	8,548,800	18,553,290	27,740,366	30,146,447	33,149,233
Japan	289,000	327,000	298,000	294,000	297,000	312,000
Netherlands New Guinea (d)	(a)	228,000	239,000	237,000	491,200	477,954
Saudi Arabia	26,196,852	36,608,585	39,870,805	40,887,754	46,136,583	46,784,693
Turkey	16,700	18,800	21,354	26,126	58,000	175,774
Neutral Zone (e)	—	—	—	—	833,000	1,250,000
TOTAL	490,500,000	545,200,000	564,300,000	591,000,000	613,300,000	683,800,000
WORLD'S TOTAL	521,860,000	591,400,000	622,600,000	658,000,000	687,500,000	770,500,000

(a) Information not available.

(b) Estimated.

(c) Anglo-Iranian Oil Co. only.

(d) Exports.

(e) Neutral Zone of Kuwait and Saudi Arabia.

(f) 1954 Oil Agreement Area only.

(g) Revised.

PRODUCTION OF NATURAL GASOLINE

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Canada	50,725	58,526	65,895	68,451	76,541	97,345
Trinidad (b)	19,485	22,845	23,239	30,017	32,991	31,093
Brunei	—	—	—	—	—	56,131
FOREIGN COUNTRIES						
Italy	1,776	3,736	26,122	49,771	56,729	55,714
Egypt	11,115	12,520	9,408	5,951	5,226	5,689
Mexico	158,000	(a)	158,500	(a)	192,672	192,700
United States	20,881,000	23,496,000	25,649,000	27,378,000	28,933,000	30,292,000
Argentina	7,926	9,174	(a)	(a)	(a)	(a)
Colombia	(a)	(a)	90,646	91,615	127,035	148,069
Ecuador	(a)	(a)	15,240	16,046	18,295	19,664
Peru	109,696	123,278	118,678	121,494	109,806	(a)
Venezuela	215,300	256,900	275,000	361,000	359,000	404,000
Formosa	(a)	796	675	707	594	433
WORLD'S TOTAL (c)	21,600,000	24,300,000	26,400,000	28,200,000	29,900,000	31,400,000

(a) Information not available.

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

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

PRODUCTION OF NATURAL GAS*

(Million cubic feet)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Union of South Africa ..	12	13	12	11	10	9
Barbados	74	106	154	151	122	133
Canada	67,822	79,461	88,686	100,986	120,735	143,699
Trinidad	32,312	31,725	31,503	34,597	38,494	40,860
Brunei (c)	1,829	1,752	1,780	2,076	2,404	2,713
New Zealand	—	—	—	6	5	5
FOREIGN COUNTRIES						
Austria (e)	16,615	17,051	17,235	19,586	22,078	27,058
France	8,690	9,973	9,752	8,799	9,147	9,401
Germany (Federal) ..	2,386	2,715	3,399	3,657	5,303	9,853
Hungary	13,384	14,232	17,587	19,317	19,635	19,176
Italy	17,997	34,124	50,594	80,506	104,789	127,924
Roumania	63,540	81,190	(a)	123,550	130,665	138,116
U.S.S.R.	218,245	241,553	260,341	282,872	310,170	365,685
Yugoslavia	511	474	489	2,581	3,183	1,946
Morocco (French) ..	—	—	13	151	290	(a)
Tunis	(a)	(a)	(a)	(a)	(a)	156
Mexico (e)	61,872	86,027	93,655	93,231	94,079	120,353
United States	6,282,060	7,457,359	8,013,457	8,396,916	8,742,546	9,340,100
Argentina	26,644	29,289	(a)	(a)	(a)	37,389
Colombia	18,011	17,269	7,204	17,092	19,247	19,070
Ecuador	(a)	(a)	(a)	(a)	(a)	(a)
Peru	(a)	28,885	(a)	(a)	(a)	(a)
Uruguay	27	36	(a)	(a)	(a)	(a)
Venezuela (d)	555,766	674,973	740,708	730,212	764,032	858,434
Formosa	1,428	1,065	982	1,092	1,026	1,007
Indonesia	22,088	27,930	38,007	49,356	56,343	67,948
Japan	2,441	2,924	3,216	3,902	4,979	5,492
Saudi Arabia	49	43	46	48	42	44

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

NOTE.—Production of Helium in the United States was as follows (million cubic feet): 1950—81; 1951—112; 1952—145; 1953—161; 1954—191; 1955—221.

(a) Information not available.

(b) Estimated.

(c) Total production amounted to 26,615 in 1950.

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

(e) Revised.

PRODUCTION OF ASPHALT ROCK

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
France	82,270	70,501	71,915	84,319	77,570	85,000
Germany	97,478	114,302	111,952	127,157	136,139	125,331
Italy	251,505	264,670	210,034	237,271	324,971	367,657
Angola	7,301	17,482	21,281	16,967	19,465	17,022
Belgian Congo	(a)	128	171	734	226	—
United States (sales)	1,057,746	1,230,745	1,402,409	1,286,200	1,194,484	1,274,000
Philippine Republic	51,983	29,842	27,923	9,793	2,929	3,199
Syria	14,458	14,115	9,874	12,812	15,542	21,533

(a) Information not available.

PRODUCTION OF NATURAL ASPHALT, ETC.

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Trinidad	132,846	154,705	170,595	143,243	142,101	136,729
FOREIGN COUNTRIES						
Albania	26,000	(a)	(a)	50,000	(a)	(a)
Spain	10,455	7,594	6,731	7,097	10,790	(a)
French West Africa—						
Bitumen	—	—	200	—	—	—
Mexico (exports)	6	25	—	—	—	—
United States (sales)—						
Gilsonite	59,095	58,501	54,232	54,022	67,806	74,100
Argentina—						
Impsonite	46,100	14,000	12,368	11,705	14,285	12,400
Iraq	(a)	(a)	(a)	(a)	(a)	12,710

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) Information not available.

PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	1,452,287	1,411,707	1,401,191	1,385,665	1,356,218	1,336,100
Union of South Africa (b)	212,613	196,596	191,583	276,296	257,407	274,459
Australia	98,487	78,564	21,661	—	—	—
FOREIGN COUNTRIES						
Austria	628	985	753	942	1,038	841
France	551,035	372,604	338,040	308,000	243,976	214,000
Spain	49,951	52,285	156,111	189,119	234,071	486,474
Sweden (c)	1,532,970	1,463,447	1,630,271	1,901,744	1,793,034	1,829,070

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

(a) Information not available.

(b) Torbanite. Years ended June 25 of that stated.

(c) Alum shale.

PRODUCTION OF PETROLEUM REFINERY PRODUCTS IN CERTAIN COUNTRIES*

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (d)—						
Aviation and motor spirit	1,642,600	2,884,900	4,851,800	6,311,700	7,221,100	6,875,000
Other spirit	130,200	217,400	220,400	244,900	279,700	137,000
Kerosine	161,400	233,800	556,000	538,600	738,400	802,000
Gas oil and diesel oil ..	1,913,700	3,096,000	3,791,700	4,261,500	4,124,500	4,585,000
Fuel oil	3,772,500	7,834,400	10,294,800	11,116,700	11,939,000	10,320,000
Fuel used in refineries	595,800	771,400	1,162,100	1,512,600	1,830,000	2,035,000
Lubricating oil.. .. .	422,000	409,500	368,500	362,300	582,100	706,000
Bitumen	637,200	750,300	715,800	722,400	819,200	851,000
Paraffin wax	15,600	15,300	14,738	17,800	29,000	18,000
Canada (b)—						
Aviation spirit	40,656	45,407	52,283	66,861	54,866	58,959
Motor spirit	5,204,227	6,000,013	6,644,460	7,315,979	7,864,749	8,386,396
Naphtha	118,914	122,334	103,996	105,471	99,285	107,973
Kerosine	713,957	1,013,040	931,165	1,101,429	1,249,089	1,342,545
do. Power	112,228	62,225	47,571	38,844	20,391	70,928
Aviation turbine fuel ..	1,555,114	29,475	48,188	146,277	208,309	333,653
Gas oil, etc.		1,973,428	2,093,566	2,491,528	3,216,556	3,820,073
Diesel oil	942,813	1,026,889	1,327,781	1,485,580	1,681,259	2,172,954
Fuel oil	3,129,582	3,446,737	3,986,520	4,238,075	4,404,750	5,498,044
do. (used in refineries)	603,312	689,675	712,762	763,359	847,022	(a)
Lubricating oil.. .. .	233,342	266,451	237,287	228,503	221,550	213,829
Grease	15,013	15,214	14,152	15,349	11,427	
Coke	109,099	147,044	181,596	213,092	211,506	357,741
Asphalt	662,698	781,991	859,348	888,845	929,955	1,148,418
Trinidad—						
Aviation spirit	174,152	191,220	190,417	189,619	193,353	215,859
Motor spirit	569,187	630,404	650,819	804,460	840,059	906,072
White spirit	338	314	55	302	224	160
Kerosine	60,317	84,552	109,614	97,730	79,538	107,522
do. Power.. .. .	163,891	347,512	473,404	411,186	379,076	276,669
Gas and diesel oil	599,359	690,670	722,235	732,559	781,593	1,023,315
Fuel oil	2,359,050	2,747,178	2,551,408	2,529,705	2,472,515	2,687,419
Lubricating oil and greases	367	356	395	217	390	392
Bitumen	66,361	71,725	98,219	87,971	129,615	67,064
Other finished products	37,897	45,961	73,477	103,724	86,634	78,267
Aden—						
Motor spirit	—	—	—	—	—	634,636
Kerosine	—	—	—	—	—	355,512
Fuel oils	—	—	—	—	—	3,054,878
Bahrain Islands (c)—						
Motor spirit	1,771,000	2,025,304	2,203,606	2,067,200	2,253,400	2,219,300
Kerosine	710,000	833,564	1,121,647	1,081,300	1,058,800	777,100
Gas oil and diesel oil ..	1,334,000	1,303,242	1,370,455	1,580,200	1,863,800	1,950,600
Fuel oil	2,983,000	3,834,619	3,967,478	4,270,300	4,372,200	3,944,500
Bitumen	68,000	72,477	93,879	114,300	111,300	120,600
India—						
Motor and other spirits	52,300	53,100	47,100	50,600	57,000	343,000
Kerosine	63,600	64,700	63,600	70,500	69,100	255,000
Gas and diesel oils	42,600	43,200	44,400	46,800	47,200	280,000
Fuel oil	17,100	18,600	23,200	17,000	23,400	387,000
Lubricating oils	13,400	23,300	16,000	15,900	15,200	16,000
Bitumen	29,700	40,200	35,200	39,700	5,600	58,000
Other refined products					47,000	51,000

*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) Information not available.

(b) Including the amounts used at the refineries except in 1955. In the case of fuel oil these amounts are shown separately.

(c) British Protected State.

(d) Including distillation plants.

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

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Kuwait (c)—						
Motor spirit	12,800	14,400	19,400	33,500	144,600	46,000
Kerosine	5,000	5,600	8,200	10,400	47,900	17,000
Gas and diesel oils ..	169,900	180,800	210,000	273,200	307,800	290,000
Fuel oil	665,900	752,500	814,800	863,300	1,260,400	872,000
Bitumen	(a)	(a)	(a)	(a)	4,000	11,000
Pakistan—						
Motor spirit	35,600	36,580	49,800	56,400	62,600	63,700
Kerosine	7,500	6,670	8,300	8,900	10,000	10,200
Diesel oil	8,770	10,700	21,400	35,100	46,400	54,000
Fuel oil	102,100	108,300	86,500	101,300	92,700	92,000
Lubricating oil.. ..	2,176	1,300	17,000	2,200	3,800	5,000
Bitumen	(a)	(a)	(a)	9,100	9,800	10,000
Sarawak—						
Motor spirit (d)	389,857	429,067	474,935	523,770	530,194	560,400
Kerosine, power	317	252	312	303	295	—
Gas, diesel and fuel oils	1,464,440	1,505,536	1,612,462	1,722,783	1,767,247	1,840,300
Australia—						
Motor spirit	254,406	299,800	313,700	353,700	799,200	1,493,700
Kerosine	1,098	(a)	(a)	1,800	1,300	(a)
Gas oil	91,525	37,000	33,945	40,698	60,053	286,943
Diesel oil	34,201	115,000	108,075	123,928	328,772	656,320
Fuel oil	238,686	322,000	358,983	355,917	573,883	2,143,617
Lubricating oil.. ..	23,850	33,000	25,609	16,042	28,817	67,421
Grease (b)	5,103	(a)	(a)	(a)	(a)	(a)
Bitumen	60,255	79,000	93,703	104,470	138,086	161,500
FOREIGN COUNTRIES						
Belgium—						
Motor spirit	72,511	159,905	527,232	679,468	822,000	949,000
Kerosine	8,950	11,754	61,320	81,804	133,400	164,100
Gas oil	101,583	189,434	469,219	778,874	886,000	1,146,000
Fuel oil	151,251	388,429	1,270,132	1,318,411	1,488,000	1,689,000
Lubricating oil.. ..	5,961	4,667	4,237	4,902	9,400	16,600
Asphalt, etc.	79,161	79,880	83,753	86,829	89,800	148,000
Denmark—						
Gas and diesel oil ..	9,632	6,097	6,462	6,055	7,915	7,791
Lubricating oil.. ..	10,925	12,078	8,010	8,404	8,288	(a)
Grease	1,389	1,384	981	1,307	1,077	434
Asphalt	21,962	19,697	20,202	19,694	20,741	23,652
France—						
Motor spirit	3,000,000	3,796,000	4,508,000	5,064,800	5,175,500	5,047,800
Kerosine and white spirit	280,000	321,000	403,900	389,500	467,600	439,300
Gas and diesel oil ..	2,297,000	2,767,000	3,206,000	3,020,500	2,949,100	3,477,900
Fuel oil	6,623,000	8,918,000	10,378,000	10,586,400	10,898,500	11,304,800
Lubricating oil.. ..	288,000	340,000	341,300	379,400	479,900	531,000
Road oil and coke ..	810,000	925,000	1,046,000	835,000	985,000	(a)
Paraffin wax		10,358	11,400	16,200	20,000	(a)
Germany (Federal) —						
Aviation spirit	39,018	64,846	87,426	142,001	197,200	241,576
Motor spirit	957,227	1,495,150	1,692,447	2,035,348	2,546,373	2,930,082
Kerosine	83,569	50,547	48,193	51,071	230,929	164,974
Diesel oil	552,450	1,186,496	1,402,142	1,764,218	2,281,487	2,891,967
Fuel oil	459,234	750,444	830,969	942,538	1,580,380	1,888,726
Lubricating oil.. ..	540,600	366,981	378,627	385,355	332,740	356,883
Grease	4,387	4,118	5,170	6,534	7,491	9,678
Paraffin wax	12,016	25,751	23,686	22,347	35,197	42,223
Coke	32,121	37,066	52,312	77,515	187,048	200,181
Bitumen	382,449	407,108	452,741	466,305	614,714	654,962

(a) Information not available.

(b) Years ended June 30 of year stated.

(c) British Protected State.

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

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

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Motor spirit	968,598	1,337,226	1,740,160	2,245,020	2,764,368	2,675,339
White spirit	10,679	12,620	14,428	20,271	20,453	26,428
Kerosine	294,415	462,164	606,800	807,124	1,014,700	1,096,675
Gas oil	1,023,248	1,388,694	1,784,318	2,441,056	3,113,652	3,529,642
Fuel oil and diesel oil ..	2,389,993	3,268,603	4,424,808	5,707,365	7,130,317	7,651,255
Lubricating oil	56,840	96,693	64,555	69,734	129,389	145,598
Coke	7,790	4,527	2,180	120	148	120
Bitumen	177,651	199,239	283,196	307,440	394,558	384,608
Other products	26,362	43,656	103,980	168,018	236,083	308,587
Netherlands—						
Motor spirit	1,284,000	1,615,100	1,935,000	2,129,000	2,319,000	2,340,000
Kerosine	78,000	189,000	236,000	496,000	626,000	720,000
Diesel oil	968,000	1,409,000	1,552,000	1,831,000	2,712,000	2,629,000
Residual fuel oil	2,716,000	2,712,000	2,817,000	3,516,000	4,492,000	5,219,000
Lubricating oil	20,000	34,000	27,600	44,000	55,000	67,000
Asphalt	(a)	241,000	258,000	192,000	280,000	304,000
Portugal—						
Motor spirit	67,500	68,400	84,900	19,600	159,600	212,200
Kerosine	54,600	62,100	67,100	15,700	107,200	165,200
Gas and diesel oil	53,200	80,100	115,300	25,600	151,300	143,300
Fuel oil	102,400	141,200	197,200	47,000	292,500	315,300
Spain—						
Motor spirit	64,992	86,089	197,089	311,072	386,249	412,200
Kerosine	18,446	18,635	17,485	35,466	40,579	67,300
Gas oil	67,244	88,571	222,427	272,553	304,350	423,500
Fuel oil	112,224	156,770	408,079	762,743	879,977	1,010,800
Paraffin wax	93	107	95	108	106	(a)
Sweden—						
Motor spirit	139,685	147,579	190,988	207,632	221,601	221,537
White spirit	5,298	3,528	3,967	3,858	8,223	(a)
Kerosine	36,719	44,386	61,046	109,310	115,866	120,850
Fuel oil, etc.	695,960	770,062	982,570	1,206,382	1,392,597	1,522,443
Lubricating oil	20,444	21,926	16,248	16,358	23,953	24,105
Asphalt	89,578	74,520	79,587	96,301	116,539	128,087
Yugoslavia—						
Motor spirit	74,804	95,040	97,848	109,545	117,615	127,910
White spirit	2,250	2,800	4,626	5,351	5,313	7,857
Kerosine	72,260	53,740	32,663	41,024	59,835	71,422
Gas oil	81,338	118,155	120,555	131,967	158,437	166,292
Fuel oil	(a)	199,800	184,000	190,000	(a)	(a)
Lubricating oil	27,796	17,184	21,281	29,178	29,018	34,510
Bitumen	(a)	19,700	21,700	54,100	(a)	(a)
Other products	(a)	6,900	14,800	18,700	(a)	(a)
Canary Islands—						
Motor spirit	187,585	133,000	206,938	194,272	202,757	201,546
Kerosine	37,287	35,000	60,282	71,483	77,813	69,203
Gas oil	154,976	117,829	127,713	141,391	148,264	117,763
Diesel oil	59,309	135,860	181,709	146,834	144,106	164,988
Fuel oil	319,516	398,235	446,777	462,016	546,161	595,580
Lubricating oil	6,171	2,120	(a)	8,041	9,185	12,275
Asphalt	56,462	44,727	46,477	55,000	75,664	64,578
Egypt—						
Motor spirit	191,247	205,122	185,578	184,931	222,425	254,720
Kerosine	147,508	207,048	215,953	204,173	216,092	270,715
Gas oil	37,866	39,949	51,889	47,001	73,573	156,877
Diesel oil	76,303	73,115	76,378	67,989	144,335	196,713
Fuel oil	1,602,609	1,574,585	1,685,269	1,663,892	1,482,118	1,538,647
Asphalt	79,110	88,451	50,500	37,612	49,195	85,138
Morocco (French)—						
Motor spirit	2,470	7,397	13,767	9,549	25,345	29,930
Kerosine	3,381	7,743	7,906	12,172	11,852	12,331
Gas and fuel oils	31,760	58,883	75,776	77,224	24,365	39,462

(a) Information not available.

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

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba—						
Motor spirit	76,800	93,800	97,100	109,600	105,300	122,800
Kerosine	64,500	71,300	80,600	84,800	89,000	112,300
Gas oil and diesel oil ..	56,200	69,100	92,800	105,400	122,000	135,300
Fuel oil	33,200	73,500	55,100	49,900	59,400	66,600
Lubricating oil	(a)	2,000	1,800	3,400	3,600	11,100
Mexico—						
Motor spirit	1,343,112	1,473,478	1,670,441	1,810,290	1,789,864	1,859,803
Kerosine	568,926	697,679	778,705	871,050	895,348	926,268
Gas oil	713,108	766,833	901,963	825,426	828,142	751,585
Fuel oil	3,969,772	4,346,142	4,620,496	5,298,532	6,192,567	6,531,998
Lubricating oil	26,265	35,529	33,614	33,571	48,253	154,735
Paraffin wax	11,900	10,500	10,700	8,428	9,104	32,629
Asphalt	126,400	74,100	66,800	90,700	84,013	96,512
Netherlands West Indies						
<i>(b)—</i>						
Aviation spirit	2,578,693	2,651,057	1,862,718	} 5,321,427	{ 1,088,723	1,159,251
Motor spirit	2,817,375	2,837,473	3,381,874				{ 4,164,594	3,245,143
Kerosine	1,413,286	1,668,849	2,107,834	2,205,970	2,625,857	2,755,976
Gas oil	2,017,960	1,531,390	1,657,804	1,719,253	2,556,367	2,822,938
Diesel oil	5,527,281	3,078,217	2,995,490	3,652,925	2,193,609	2,313,976
Fuel oil	27,269,736	30,272,978	29,910,999	24,435,000	21,331,257	23,154,116
Lubricating oil	239,088	227,742	429,572	505,412	548,009	635,615
Asphalt	341,642	249,250	531,393	498,729	582,145	702,881
United States—						
Aviation spirit	5,687,000	8,019,000	8,928,000	9,979,000	10,541,000	11,490,000
Motor spirit (c)	111,688,000	122,635,000	125,963,000	135,015,000	133,853,000	144,351,000
Kerosine (c)	15,083,000	17,276,000	16,389,000	15,680,000	15,566,000	15,157,000
Jet fuels	(a)	(a)	2,664,000	4,550,000	5,925,000	7,210,000
Distillate fuel oil (c)	54,126,000	64,559,000	70,274,000	71,657,000	73,579,000	81,840,000
Residual fuel oil	62,011,000	68,451,000	66,193,000	65,622,000	60,777,000	61,298,000
Lubricating oil	7,242,900	8,608,000	7,784,000	7,356,000	7,454,000	7,817,000
Paraffin wax	557,750	601,750	541,380	622,250	661,500	662,150
Coke	3,075,700	3,388,750	3,236,250	3,858,400	4,336,400	5,060,200
Asphalt	9,454,500	10,763,300	11,414,300	11,754,700	12,161,000	13,494,000
Road oil	1,102,200	970,500	1,113,300	1,049,000	1,147,500	1,349,000
Argentina—						
Aviation spirit	5,700	8,300	9,200	8,600	6,400	} 1,613,400
Motor spirit	1,480,400	1,387,800	1,474,000	1,476,000	1,493,000		818,400
Kerosine	578,000	661,700	738,000	818,000	806,000	} 1,139,800
Gas oil	248,700	253,100	322,000	397,000	393,000		3,514,600
Diesel oil	501,400	537,900	554,000	604,000	590,000	96,600
Fuel oil	2,482,200	2,413,800	2,653,000	3,044,000	3,356,000	
Lubricating oil	83,000	98,000	108,000	86,000	103,000	
Bolivia—						
Motor spirit	37,800	28,100	28,600	30,211	103,568	105,105
Kerosine	9,200	7,900	9,400	7,517	19,837	18,544
Diesel oil	5,900	5,200	6,500	8,479	30,327	31,362
Fuel oil	24,000	10,500	10,100	9,528	80,488	108,876
Brazil—						
Motor spirit	(a)	31,798	54,400	42,998	47,378	105,178
Kerosine	(a)	2,994	3,984	376	274	3
Diesel oil	(a)	8,087	11,294	5,412	5,065	14,884
Fuel oil	(a)	27,780	42,700	44,252	58,324	102,026
Lubricating oil	(a)	(a)	600	(a)	(a)	(a)
Colombia—						
Aviation spirit	9,527	9,691	406	457	5,413	29,052
Motor spirit	221,891	227,941	254,369	251,743	315,833	542,513
Other spirit	(a)	(a)	8,600	9,000	8,700	10,000
Kerosine	42,965	46,080	50,775	55,382	53,761	124,026
do. Power	6,283	6,605	15,655	16,097	20,316	19,659

(a) Information not available.

(b) Exports.

(c) Figures for 1952 to 1954 have been amended to exclude quantities used for blending jet fuels which have been recorded separately from 1952.

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

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Colombia— <i>(cont.)</i>						
Diesel oil	75,624	66,172	88,427	105,130	135,479	199,048
Fuel oil	894,050	932,060	436,000	1,149,113	914,169	805,357
Lubricating oil	10,946	7,438	9,556	8,561	8,587	9,109
Coke	(a)	(a)	(a)	(a)	11,538	33,325
Asphalt	24,800	21,735	24,969	32,009	47,061	54,107
Ecuador—						
Motor spirit	62,797	65,510	66,970	67,460	74,895	76,174
Kerosine	15,515	16,750	18,106	21,040	23,484	25,000
Gas and diesel oils	33,100	32,340	39,740	45,130	46,708	46,376
Residual fuel oil	100,743	108,300	107,351	86,950	104,625	112,938
Peru—						
Motor spirit	441,874	491,126	488,396	481,120	538,923	679,200
Kerosine	150,980	189,627	206,539	239,148	288,420	322,300
Diesel oil	189,979	214,702	217,768	223,791	351,394	537,000
Fuel oil	789,270	845,939	856,604	846,489	682,471	455,900
Lubricating oil	10,647	9,932	10,124	7,707	9,808	12,300
Coke	15	15	11	164	243	(a)
Asphalt	11,283	21,575	29,104	35,334	27,434	(a)
Uruguay—						
Motor spirit	147,831	172,686	193,164	225,413	222,756	252,861
Kerosine	104,699	118,915	123,159	134,581	146,086	109,450
Gas oil	51,813	55,140	76,716	88,702	100,508	115,861
Diesel oil	32,968	43,950	51,735	52,834	53,336	47,088
Fuel oil	363,146	435,807	522,380	586,846	647,726	560,532
Venezuela—						
Motor spirit	1,641,826	2,119,639	2,218,105	2,572,199	2,543,974	2,974,373
Kerosine	327,482	448,032	539,283	594,874	708,295	959,911
Gas oil	767,700	890,443	909,506	812,041	1,366,145	2,177,662
Diesel oil	1,612,100	2,471,689	2,810,850	3,148,167	3,018,100	3,611,511
Fuel oil	7,471,212	9,125,781	9,848,905	12,489,297	13,339,663	15,115,892
Lubricating oil	(a)	(a)	124,710	159,394	140,000	141,356
Asphalt	105,000	147,000	164,000	139,000	102,000	157,000
Burma—						
Motor spirit	15,998	22,378	18,110	26,077	34,121	36,282
Kerosine	11,328	18,000	21,374	22,908	29,266	30,601
Diesel oil	10,879	22,451	23,541	27,902	33,522	36,855
Fuel oil	22,637	31,313	29,044	35,038	40,187	40,261
Paraffin wax	(a)	(a)	(a)	(a)	6,266	8,406
Formosa—						
Motor spirit	(a)	56,845	57,926	78,573	88,315	121,670
Kerosine	(a)	25,503	32,131	28,050	32,344	30,617
Jet fuel	(a)	(a)	(a)	(a)	(a)	60,354
Diesel oil	(a)	49,432	38,778	37,994	71,793	81,685
Fuel oil	(a)	121,701	104,121	120,948	168,805	274,280
Asphalt	(a)	3,123	11,356	16,696	17,518	11,853
Indonesia—						
Aviation spirit	153,460	228,245	369,318	378,474	293,245	286,638
Motor spirit	1,967,464	2,139,537	2,189,616	2,180,468	2,133,418	2,244,876
Kerosine	865,291	1,015,120	1,123,327	1,236,334	1,419,838	1,612,315
Fuel oil, solar oil and diesel oil	3,981,656	4,623,965	5,166,777	5,609,913	5,749,078	5,905,991
Paraffin wax	43,745	90,599	99,753	110,019	116,970	120,020
Asphalt	27,226	27,033	28,813	29,657	33,868	33,570
Iran—						
Aviation spirit	} 4,324,800	b 2,169,900	—	—	(a)	{ 43,000
Motor spirit		b 1,240,300	—	—	(a)	{ 1,090,000
Kerosine		—	—	—	(a)	{ 1,186,000
Gas and diesel oils		—	—	—	(a)	{ 985,000
Fuel oil		—	—	—	(a)	{ 3,303,000
Lubricating oil		—	—	—	(a)	{ 11,000
Bitumen		—	—	—	(a)	{ 64,000
Other products	242,900	b 112,800	—	—	(a)	{ (a)

(a) Information not available.

(b) Anglo-Iranian Oil Co. only.

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

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Iraq—						
Motor spirit	68,600	78,900	81,100	81,400	84,700	138,501
Kerosine	79,500	86,500	89,100	99,300	107,400	157,640
Gas oil	229,400	257,600	38,400	42,400	47,700	88,180
Diesel and fuel oils ..			250,400	258,800	242,800	578,862
Israel—						
Motor spirit	30,300	107,100	146,400	149,600	164,200	82,000
Kerosine	26,500	96,600	106,800	90,800	135,300	70,000
Gas and diesel oils ..	38,900	118,600	125,400	149,800	175,200	100,000
Fuel oil	87,600	366,500	376,100	343,100	349,800	200,000
Bitumen	2,400	24,000	8,900	16,000	21,500	22,000
Japan—						
Motor spirit	292,678	574,927	1,001,504	1,231,220	1,448,661	1,775,295
Kerosine (b)	60,915	99,416	88,944	287,017	411,236	473,683
Gas oil	95,811	259,757	358,380	420,474	561,088	623,726
Diesel oil	188,966	368,713	496,831	405,277	523,383	540,111
Fuel oil	537,829	848,115	1,606,150	2,220,943	2,715,383	3,164,446
Lubricating oils ..	138,669	270,886	204,672	278,839	300,240	321,298
Paraffin wax	(a)	8,350	11,325	18,207	19,635	23,872
Pitch	(a)	2,223	6,692	8,463	9,562	4,345
Asphalt	(a)	107,516	95,290	132,047	159,361	176,837
Lebanon—						
Motor spirit	93,860	115,655	112,212	109,756	129,342	155,884
Kerosine	60,249	61,862	64,961	62,460	48,707	81,415
Gas oil	84,249	98,691	90,982	86,841	82,253	165,064
Diesel oil	—	—	—	—	—	12,676
Fuel oil	234,844	262,042	116,559	218,830	233,514	429,545
Saudi Arabia—						
Motor spirit	940,129	1,393,748	1,407,409	1,523,734	1,457,063	1,272,883
Kerosine (b)	375,101	595,041	635,883	965,253	1,080,510	977,269
Diesel oil	1,441,274	3,334,787	2,191,605	2,347,067	2,411,195	2,075,023
Fuel oil	2,032,083	3,557,106	3,757,553	4,815,577	5,277,424	5,162,720
Asphalt	4,789	27,970	32,204	42,547	43,856	33,372

(a) Information not available.

(b) Including jet fuel.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Aviation spirit (bunkers) (c) ..	65,115	73,577	81,452	91,208	96,881	111,863
Aviation spirit ..						272,596
Aviation turbine fuel ..	97,892	115,525	356,601	1,009,595	1,457,555	106,163
Motor spirit ..						913,649
Other spirit ..	11,929	38,667	19,424	59,326	31,110	16,145
Kerosine, power do. other ..	28,496	38,343	109,572	150,534	218,221	45,465
Gas oil ..	73,728	147,700	356,563	942,630	940,957	899,617
Diesel oil ..	144,536	309,007	561,193	546,503	434,023	399,545
Fuel oil ..	609,167	2,354,980	3,709,988	4,315,616	4,129,012	2,843,214
do. (bunkers) (c) ..	2,228,369	2,964,318	3,451,551	3,633,975	3,867,479	4,125,987
Lubricating oil ..	126,742	175,500	192,546	186,161	248,014	342,699
Greases ..	11,665	17,071	15,404	13,580	17,492	(a)
Other refined oils ..	5,319	12,262	9,592	35,820	86,938	9,095
Mineral jelly ..	267	326	257	207	221	(a)
Paraffin wax ..	2,783	709	380	2,359	247	1,293
Malta (bunkers) (b)—						
Aviation spirit ..	14,664	3,852	27,857	29,489	25,847	30,258
Aviation turbine fuel ..	2,632	3,648	7,708	7,640	12,693	12,792
Gas oil ..	2,000	2,138	2,427	3,219	4,139	2,354
Fuel oil ..	9,530	9,559	10,916	19,346	11,262	2,407
Anglo-Egyptian Sudan—						
Aviation spirit (bunkers) (b) ..	6,862	6,762	9,695	10,195	(a)	(a)
Gold Coast (bunkers) (b)—						
Aviation spirit ..	1,923	2,108	2,194	1,399	3,093	2,648
Motor spirit ..	3	1	—	—	—	—
Gas oil ..	1,207	1,201	23,092	18,196	1,472	209
Fuel oil ..	28,031	28,059	9,939	2,854	18,046	16,635
Kenya (bunkers) (b)—						
Aviation spirit ..	5,199	7,129	6,422	258	10	—
Motor spirit ..	11	19	28	13	16	5
Gas, diesel and fuel oils ..	130,059	116,893	136,740	115,813	111,659	102,985
Lubricating oil ..	258	289	297	304	264	359
Mauritius (bunkers)(b)—						
Aviation spirit ..	262	501	615	917	1,160	980
Fuel oils ..	3,975	4,642	4,466	8,413	5,266	7,506
Nigeria (bunkers) (b)—						
Diesel oil ..	3	1,064	35	14	94	134
Gas oil ..	743	1,310	2,375	1,734	1,206	1,256
Fuel oil ..	3,115	8,594	6,782	6,753	6,141	11,115
Sierra Leone (bunkers) (b)—						
Aviation spirit ..	248	—	—	—	—	333
Fuel oils ..	412	66	5	6	11	46
Tanganyika (bunkers) (b)—						
Aviation spirit ..	897	503	763	22	—	—
Gas, diesel and fuel oils ..	114	641	1,371	1,507	661	58
Uganda (bunkers) (b)—						
Aviation spirit ..	1,568	724	1,604	346	—	—

*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 223).

(a) Information not available.

(c) Including foreign produce.

(b) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES, (cont.)						
Union of South Africa—						
Bunkers (b)—						
Motor spirit	4,041	4,830	5,184	5,419	(a)	(a)
Diesel oil	160,061	141,738	96,828	108,193	} 81,735	206,973
Fuel oil	370,044	388,118	257,270	246,493		
Asphalt and bitumen ..	2,871	2,337	1,938	1,813	4,482	(a)
Canada—						
Crude petroleum	—	43,263	180,311	317,382	296,829	1,877,718
Motor spirit	406	698	105,190	546	50,384	41,750
Kerosine, etc.	538	22	10	7	13	21
Fuel oil	2,668	897	551	22,975	6,471	75,048
do. (bunkers)	863,645	956,111	1,001,187	1,151,597	(a)	(a)
Diesel oil (bunkers) ..	187,069	207,396	198,284	193,350	(a)	(a)
Lubricating oil	255	425	352	103	167	229
Other oils	1,675	277	50	35	—	91
Mineral wax	336	4,732	911	235	625	81
Petroleum coke	60,985	51,462	50,440	33,380	40,759	53,773
British Guiana (b)—						
Aviation spirit (bunkers)	309	371	351	353	—	343
British West Indies—						
Bermuda (bunkers) (b) (d)—						
Aviation spirit	20,136	23,768	30,394	33,675	44,734	47,642
Motor spirit	189	—	—	44	603	629
Aviation turbine fuel	(a)	(a)	(a)	(a)	1,791	946
Kerosine	337	—	—	450	547	405
Fuel oil	4,022	10,082	13,448	10,743	4,991	33,440
Diesel oil	479	742	410	534	3,085	2,013
Lubricating oil	4	3	7	468	563	571
Jamaica (bunkers) (b)—						
Aviation spirit	(a)	(a)	(a)	(a)	2,164	9,786
Gas oil (c)	15,894	1,307	35,590	27,025	1,957	4,755
Diesel oil (c)	10,123	6,238	23,636	42,646	} 81,867	136,846
Fuel oil (c)	75,221	52,658	139,811	201,057		
Trinidad and Tobago—						
Crude petroleum	335,048	268,364	279,056	324,325	426,563	399,878
Aviation spirit	} 633,471	185,553	196,216	183,915	180,403	201,471
do. (bunkers)		10,336	11,488	7,931	8,223	7,507
Motor spirit	(e) 8,284	562,762	554,060	720,760	758,568	766,236
do. (bunkers)	} 227,705	409	15,525	20,077	105	6,984
Kerosine—Power		313,745	481,789	422,559	381,275	286,479
do. (bunkers)	(e) 199	18	4,319	7,801	1,550	3,154
Kerosine—other	} 284,142	71,369	107,494	74,399	60,818	87,661
do. (bunkers)		107	98	1,176	296	248
Gas oil	} 27,396	369,501	323,671	373,123	274,904	463,273
do. (bunkers)		30,384	41,786	49,588	56,865	53,390
Diesel oil	} 1,337,684	110,217	95,333	25,554	165,531	337,294
do. (bunkers)		147,816	210,518	263,477	241,708	221,394
Fuel oil	1,084,217	1,417,279	1,145,397	1,424,718	1,454,165	1,613,586
do. (bunkers)	} 65	1,192,228	1,281,811	1,082,402	892,934	809,936
Lubricating oil		102	110	136	158	99
Road oil	16,927	22,739	14,604	22,281	17,798	22,404
Asphalt—						
Crude	—	38	—	1	—	27
Dried	46,659	45,557	46,120	42,510	51,035	49,722
Asphalt cement	23,433	39,473	58,440	33,805	22,587	13,107
Bituminous asphalt	62,304	73,516	109,901	97,796	152,524	103,508
Falkland Islands—						
(bunkers) (b)—						
Fuel oil	19,281	17,772	31,409	21,880	11,550	11,693

(a) Information not available.

(b) Foreign produce. See imports.

(c) Figures for 1950 to 1953 relate to the quantities imported for bunkers. The amounts actually shipped are not available.

(d) Including bunkers for military forces.

(e) Bunkers.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Aden—						
Aviation and motor spirits	—	—	—	—	—	601,085
Kerosine	—	—	—	—	—	335,087
Gas diesel, fuel oils	—	—	—	—	—	960,871
Fuel oil (bunkers) (f)	2,720,861	2,243,935	2,622,960	2,743,170	2,900,551	^h 3,090,063
Bahrain Islands (e)—						
Aviation spirit	19,555	24,795	} 2,200,215	2,014,980	24,000	15,700
Motor spirit	1,704,725	1,963,355			2,157,600	1,924,600
Aviation turbine fuel	(a)	(a)	(a)	(a)	1,028,600	259,600
Kerosine	669,190	811,855	1,074,630	771,990	} 166,800	742,800
Process oil	(a)	(a)	(a)	(a)		278,900
Diesel oil	1,178,400	1,132,500	1,148,325	1,324,640	1,576,300	1,683,900
do. (bunkers)	99,500	126,700	153,985	200,070	201,900	196,200
Fuel oil	2,404,210	3,268,900	3,438,750	3,640,770	3,742,200	3,352,200
do. (bunkers)	499,000	554,800	590,245	652,815	639,000	621,800
Asphalt	66,690	66,530	(a)	(a)	107,100	124,300
British Borneo—						
Brunei—						
Crude petroleum (b)	4,011,463	4,895,640	4,990,194	4,799,473	4,704,488	5,108,970
Natural gas (million cubic feet)	1,823	1,745	1,670	2,059	2,354	2,617
Sarawak—						
Crude petroleum (c)	2,356,997	3,206,152	3,077,254	2,789,506	2,892,768	3,182,883
Motor spirit (d)	228,295	234,642	283,262	307,591	33,168	133,258
Kerosine	218	—	—	152	194	64
Gas oil	—	5,790	6,277	6,975	8,507	55
Diesel oil	} 1,415,875	1,420,734	1,475,306	1,582,261	1,171,888	1,228,285
Fuel oil					421,668	452,539
do. (bunkers) (g)	54,569	80,280	109,843	120,904	134,358	127,787
Ceylon (bunkers) (f)—						
Aviation spirit	2	—	3,040	3,030	3,618	3,998
Gas oil	1,311	2,231	1,320	1,295	2,153	14,698
Diesel oil	78,849	71,145	63,485	72,845	68,922	60,938
Fuel oil	479,298	513,746	477,744	413,133	378,580	393,971
Lubricating oil	173	200	193	283	248	274
Cyprus (bunkers) (f)—						
Aviation spirit	(a)	3,686	3,680	5,042	6,477	5,492
Hong Kong (re-exports)—						
Motor spirit	52,503	15,283	3,271	1,590	955	1,195
Kerosine	26,299	7,556	3,023	1,587	2,268	2,661
Diesel oil and gas oil	} 55,297	13,213	} 5,653	5,133	4,154	5,546
Fuel oil					192	30	20
Lubricating oil	(a)	(a)	479	484	434	144
Greases	(a)	(a)	40	33	9	7
Petroleum jelly	1,217	627	40	120	74	19
Paraffin wax	9,308	2,559	728	62	38	43
Asphalt and bitumen	(a)	(a)	381	1,079	21	220
India—						
Aviation spirit (bunkers)						
Domestic produce	247	2,941	852	—	8	45
Foreign produce	11,417	6,117	13,779	20,852	25,849	27,235
Motor spirit, etc.	139	288	74	35	81	149,758
Fuel oil (bunkers) (f)	40,231	32,790	80,594	189,173	237,296	280,420
Paraffin wax	19,816	28,693	21,222	23,121	25,376	24,627
Kuwait (e)—						
Crude petroleum	15,797,037	26,623,054	35,771,961	41,034,474	45,483,146	52,258,203
Export distillate	161,887	177,990	191,962	222,726	182,456	180,817

(a) Information not available.

(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) Foreign produce. See imports.

(g) Including diesel oil bunkers.

(h) Domestic and foreign produce.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Kuwait (e)—(cont.)						
Diesel oil	24,940	30,495	3,058	—	11,171	9,962
do. (bunkers) .. .						
do. do. (d) .. .	(a)	(a)	(a)	246,186	228,104	258,096
Fuel oil	108,378	167,892	72,558	9,038	—	—
do. (bunkers) .. .						
do. do. (d) .. .	(a)	(a)	(a)	837,596	857,043	854,901
Malaya (including re-exports)—				107,001	149,011	259,422
Aviation spirit	80,945	126,726	128,910	172,335	237,437	209,711
do. do. (bunkers) ..	10,916	12,699	11,939	11,913	8,456	9,570
Motor spirit	514,384	604,438	735,916	883,697	904,500	853,652
White spirit	(a)	(a)	(a)	33,345	50,731	72,248
Aviation turbine fuel ..	(a)	(a)	(a)	2,063	149	556
Kerosine	113,366	143,776	235,233	301,127	330,815	307,154
do. Power	52,533	126,859	139,555	88,746	97,426	59,083
Gas oil	157,814	234,463	301,712	360,542	392,628	300,603
Diesel oil	445,221	304,692	443,777	314,419	300,834	333,940
Fuel oil	577,081	377,922	423,425	500,237	458,273	1,037,318
Fuel and diesel oil (bunkers)	595,500	900,256	1,298,228	1,438,648	1,679,575	1,761,913
Lubricating oil	4,191	4,655	4,097	4,740	5,877	6,165
Petroleum jelly	39	94	142	53	41	82
Grease	93	879	96	260	327	320
Paraffin wax	361	3,741	1,280	469	232	260
Asphalt and bitumen ..	1,225	1,154	5,959	8,670	10,168	3,998
Qatar (e)—						
Crude petroleum	1,551,853	2,266,460	3,199,360	3,902,595	4,595,710	5,262,366
Australia (b) (f)—						
Aviation spirit (bunkers) (d)	4,283	4,827	10,304	7,630	11,691	16,138
Motor spirit	1,399	1,776	441	1,500	1,175	43,887
Kerosine	166	290	236	1,120	621	562
Lubricating oil	461	926	1,507	1,778	1,383	1,055
Diesel and fuel oils ..	868	1,191	1,338	2,032	625	129,387
Fuel oil (bunkers)—						
Domestic produce	39,231	38,554	29,935	40,247	45,700	207,057
Foreign produce	360,408	431,590	432,110	387,083	376,788	336,446
Fiji (bunkers) (d)—						
Aviation spirit	3,781	3,355	3,739	5,862	5,809	10,313
Fuel oil	548	627	725	—	619	77
Diesel oil	627	2,709	1,085	1,198	3,610	4,422
New Zealand (bunkers) (d)—						
Aviation spirit	4,264	4,588	5,201	4,861	4,741	5,057
Diesel oil	2,983	10,577	16,454	15,127	13,939	9,658
Fuel oil	33,100	39,090	38,983	15,251	14,993	12,394
Lubricating oil	723	623	836	750	761	787
Irish Republic (bunkers) (c) (d)—						
Aviation spirit	2,769	3,669	3,024	4,115	3,017	2,597
Fuel oils	7,687	19,066	35,508	32,152	31,358	46,573
FOREIGN COUNTRIES						
Austria—						
Kerosine	—	—	—	—	—	14,821
Gas oil	7,736	2,669	14,053	61,424	92,137	121,736
Fuel oil	39,565	16,703	13,941	12,168	2,036	—
Lubricating oil, etc. ..	282	3,249	330	207	34	1,982

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) In addition re-exports of aviation spirit, presumably to the "Shannon Free Airport", were as follows (long tons): 1950—38,743; 1951—36,014; 1952—43,236; 1953—49,695; 1954—59,992; 1955—81,695.

(d) Foreign produce. See imports.

(e) British Protected State.

(f) Revised.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955	
FOREIGN COUNTRIES							
<i>(cont.)</i>							
Belgium-Luxemburg							
E.U.—							
Crude petroleum ..	—	16,275	6,697	3	2	31,309	
Motor spirit ..	31,473	31,017	262,529	279,186	186,242	306,447	
Kerosine ..	1,937	1,340	26,529	40,344	61,572	104,293	
Gas oil ..	37,594	26,475	261,034	245,266	267,662	303,903	
do. (bunkers) (b) ..	20,888	23,388	57,093	71,534	(e)	(e)	
Fuel oil, etc. ..	14,593	121,671	806,525	836,790	1,000,813	965,321	
do. (bunkers) (b) ..	200,692	416,856	407,600	375,417	425,196	557,450	
Lubricating oil ..	59,649	62,299	49,131	50,175	65,940	83,772	
do. (bunkers) (b) ..	2,690	3,624	3,723	3,651	4,218	4,740	
Other heavy oils ..	31	128	559	192	183	4,161	
Petroleum jelly ..	117	229	95	196	281	413	
Paraffin wax ..	93	83	28	18	81	26	
Ozokerite and ceresin ..	267	135	20	10	32	58	
Petroleum coke ..	2,017	2,008	—	—	9	2	
Natural asphalt ..	202	347	495	335	524	723	
Pitch ..	34,038	17,719	24,251	20,186	22,752	45,253	
Denmark (bunkers)—							
Gas oil ..	(a)	(a)	(a)	(a)	193,772	39,554	
Diesel oil ..						84,106	
Fuel oil ..						125,328	
France—							
Crude petroleum ..	8,620	7,361	16,103	49	3	—	
Aviation spirit ..	333	337	674	1,369	1,239	364	
Motor spirit ..	609,408	743,582	1,444,847	1,527,744	1,443,407	1,236,586	
White spirit ..	40,613	29,415	31,991	5,155	7,337	5,514	
Kerosine ..	87,672	135,654	291,309	263,768	396,966	433,897	
Gas oil ..	1,316,908	1,391,275	1,681,587	1,195,427	1,240,730	1,603,645	
do. (bunkers)—							
Domestic produce ..	(c)	212,280	235,993	243,207	259,003	324,867	
Foreign produce ..	(c)	6,534	4,780	4,676	4,289	3,369	
Fuel oil ..	856,365	1,851,178	2,690,297	3,425,431	2,337,678	1,747,000	
do. (bunkers)—							
Domestic produce ..	(c)	1,462,850	1,742,193	1,640,843	1,531,187	1,736,721	
Foreign produce ..	(c)	129,562	158,651	32,910	144,898	154,736	
Lubricating oil ..	23,795	32,362	30,323	71,944	102,534	156,733	
do. (bunkers)—							
Domestic produce ..	7,507	12,388	16,869	17,169	17,943	20,971	
Foreign produce ..	7,298	6,366	4,727	3,988	3,324	3,297	
Road oil, etc. ..	136,683	166,147	154,204	187,283	229,649	194,203	
Petroleum jelly ..	73	55	38	29	43	47	
Paraffin wax ..	2,411	957	1,245	1,772	6,480	9,212	
Ozokerite, ceresin, etc. ..	7	75	53	185	732	162	
Petroleum coke, etc. ..	171	1,239	26	—	28	—	
Asphalt and bitumen ..	12,144	11,429	14,229	15,264	15,485	21,766	
Germany (Federal)—							
Aviation and motor spirits ..	202	79,116	130,697	182,465	234,777	327,927	
do. bunkers (b) ..							23,690
Kerosine ..							33,004
Gas oil ..	154	27	3,586	19,182	116,275	197,668	
do. (bunkers) (b) ..	—	—	—	109,585	227,806	303,253	
Fuel oil ..	77,796	18,744	53,743	79,748	78,843	164,675	
do. (bunkers) (b) ..	19,424	76,589	84,532	233,809	510,511	736,297	
Lubricating oil ..	3,776	6,706	59,942	118,998	33,947	57,369	
do. bunkers (b) ..	(a)	(a)	(a)	3,563	6,369	8,118	
Petroleum jelly ..	(a)	(d) 964	338	869	3,336	3,975	

(a) Information not available.

(b) Bunkers for foreign ships, aircraft, only.

(c) Total bunkers of gas and fuel oils were 1,230,071 long tons.

(d) October to December only.

(e) Included with fuel oil.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
<i>(cont.)</i>						
Paraffin wax	1,393	3,521	5,084	12,550	17,712	25,062
Ozokerite, etc.	1,376	1,365	408	539	436	248
Asphalt	1,028	904	1,455	1,090	1,281	1,320
Bitumen	(a)	(a)	21,681	37,958	34,913	33,475
Petroleum coke	(a)	(a)	8,523	12,129	30,902	32,053
Italy—						
Motor spirit	242,432	430,841	773,408	1,305,438	1,817,301	1,682,489
Kerosine	111,806	174,601	311,958	450,250	608,105	442,781
Lubricating oil	6	735	5,326	6,607	70,187	72,703
Gas oil (d)	157,146	370,500	654,885	1,085,403	1,581,113	1,639,073
Fuel oil	264,481	309,878	943,271	1,421,631	1,583,414	1,139,080
do. (bunkers)	29,728	61,692	126,374	764,082	764,324	738,038
Paraffin wax	5	—	33	405	1,819	1,670
Asphalt and bitumen	15,604	8,342	13,553	11,388	10,130	13,173
Pitch	(a)	9,760	27,459	28,743	68,785	60,237
Netherlands—						
Aviation spirit (bunkers)	24,364	28,820	19,052	17,947	23,343	22,105
Motor spirit	605,175	1,039,301	1,479,346	1,453,592	1,837,890	1,925,085
Kerosine	13,398	55,418	78,165	197,589	193,057	184,673
Gas oil	599,767	717,037	760,331	713,808	1,295,849	1,762,157
do. (bunkers) (c)	257,769	319,874	363,650	435,867	477,672	584,421
Fuel oil	1,500,996	1,219,354	1,368,174	1,805,404	2,710,258	3,162,437
do. (bunkers) (c)	537,757	908,138	908,209	854,041	1,032,748	1,566,116
Lubricating oil	55,036	62,985	56,165	64,968	157,419	161,941
Petroleum jelly	1,624	2,453	1,732	740	1,815	2,830
Paraffin wax	4,518	2,588	3,354	2,524	3,931	3,315
Ozokerite and ceresin	1,533	830	373	375	459	773
Asphalt	96,506	129,518	160,241	74,371	137,103	185,973
Natural asphalt	397	—	—	—	1	26
Petroleum coke	644	98	—	1,172	5,828	5,853
do. (bunkers)	15,773	3,576	—	—	—	—
Norway—						
Motor spirit	61	333	714	193	316	880
Kerosine	30	2	3	2	13	21
Fuel oil and solar oil	84	—	—	68	3,537	2,058
Lubricating oil	54	1,090	3,008	3,124	6,124	8,886
Portugal (e)—						
Motor spirit	550	307	19,235	1,772	79,841	90,867
Kerosine	137	58	574	128	16,460	14,619
Fuel oil	2,949	1,654	30,816	2,914	145,807	102,605
do. (bunkers) (b)	50	110	781	185	76	990
Lubricating oil, etc.	203	494	310	351	444	741
Other oils	2	10	18	7	1	—
Sweden—						
Motor spirit	18,579	636	1,470	1,308	5,136	336
Kerosine	1,335	21	54	30	—	2,212
Fuel oil and gas oil	17,126	9,895	2	19	7,337	259
Lubricating oil	342	381	281	1,306	656	1,373
Other oils	7	139	—	29	37	10
Paraffin wax	42	13	286	101	13	36
Petroleum jelly	—	10	—	3	1	5
Ozokerite and ceresin	15	10	—	3	14	15
Asphalt	113	117	24	162	32	14
Pitch	23,214	11,956	6,416	11,990	14,973	13,210

(a) Information not available.

(b) Bunkers for foreign ships only.

(c) Including imported oil.

(d) Including bunkers.

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

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Motor spirit	3,381	3,093	590	114	276	251
Lubricating oil and grease	102	69	102	163	143	97
Petroleum jelly	2	36	10	—	8	6
Asphalt and bitumen	3,013	3,091	2,362	2,126	4,360	4,968
Paraffin wax and ceresin	14	8	5	10	9	9
Yugoslavia—						
White spirit	2,963	1,344	2,313	2,031	1,442	1,701
Gas oil	10	4,544	25,878	15	10,856	7,411
Fuel oil	22,568	43,239	47,675	42,426	38,104	30,577
Bitumen	—	1,279	(a)	(a)	(a)	(a)
Algeria—						
Crude petroleum	1,472	6,557	25,360	75,861	69,638	63,151
Motor spirit (b)	(a)	15,892	15,013	14,693	15,803	16,678
Fuel oil	6	70	403	424	87	126
Fuel oil and gas oil (b)	(a)	692,730	631,645	634,903	566,254	680,677
Lubricating oil	23	202	275	8	9	20
Road oil, etc.	1,639	1,215	812	169	—	3
Canary Islands—						
Motor spirit				176,408	176,333	(a)
Kerosine				48,261	39,776	(a)
Gas oil (e)				76,384	106,883	(a)
do. (bunkers) (e)				735,278	763,322	(a)
Fuel oil (e)	461,144	400,873	447,032	102,760	142,127	(a)
do. (bunkers) (e)	d1,520,175	d 1,445,003	d 1,459,369	833,272	850,693	(a)
Lubricating oil				1,960	804	(a)
Paraffin wax				175	1,122	(a)
Asphalt				52,786	65,094	(a)
Cape Verde Islands—						
Fuel oil (bunkers) (c)	(a)	349,499	356,379	457,797	690,849	440,514
Ceuta (c)—						
Diesel oil				1,070	1,084	(a)
do. (bunkers)				169,555	345,969	(a)
Fuel oil	(d)69,205	(d) 380,081	(d) 365,053	2,453	—	(a)
do. (bunkers)				73,832	—	(a)
Egypt—						
Motor spirit	1,012	882	970	1,445	1,503	3,118
Kerosine	61	520	26	—	55	537
Fuel oil, etc.	426	995	246	293	358	6,111
do. (bunkers for foreign ships)	326,591	302,436	207,865	128,106	128,064	127,867
Lubricating oil	905	74	—	1	291	111
Asphalt, etc.	38,237	29,085	10,695	7,923	8,379	11,184
Morocco (French)—						
Crude petroleum	—	—	33,214	29,092	11,598	(a)
Tunis (bunkers)—						
Aviation spirit	(a)	3,369	(a)	4,258	4,053	1,894
Fuel oil	(a)	15,934	(a)	16	3	71
Mexico—						
Crude petroleum	1,673,450	1,024,152	1,769,355	525,990	658,889	748,801
Motor spirit	50,763	30,745	20,952	5,283	5,372	4,467
Kerosine	125,803	78,883	7,457	3,330	2,780	3,261
Fuel oil	322,206	1,183,979	298,192	1,636,669	2,560,283	3,042,433
do. (bunkers)	307,542	85,864	112,250	108,454	91,656	128,386
Gas oil	76,018	57,463	24,362	20,068	16,599	15,958
Lubricating oil	845	139	35	25	39	52
Asphalt (petroleum)	7,496	—	—	—	—	—
Natural asphalt	6	25	—	—	—	—

(a) Information not available.

(b) Bunkers of foreign produce.

(c) Foreign produce. See imports.

(d) Bunkers.

(e) Including foreign produce.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands West Indies—						
Crude petroleum ..	978,052	517,928	505,220	616,198	2,034,819	2,617,923
Aviation spirit ..	2,578,693	2,651,057	1,862,718	} 5,321,427	{ 1,088,723	1,159,251
Motor spirit ..	2,817,375	2,837,473	3,381,874			
Kerosine ..	1,413,286	1,668,849	2,107,834	2,205,970	2,627,927	2,755,976
Gas oil ..	1,983,212	1,491,392	} 1,657,804	1,719,253	2,556,367	2,822,938
do. (bunkers) ..	34,748	39,998				
Diesel oil ..	1,815,920	2,229,504	} 2,995,490	3,652,925	2,193,609	2,313,976
do. (bunkers) ..	3,711,361	848,713				
Fuel oil ..	25,049,798	27,766,626	} 29,910,999	24,434,938	21,331,257	23,154,116
do. (bunkers) ..	2,219,938	2,506,352				
Lubricating oil ..	239,088	227,742	429,572	505,412	548,009	635,615
Asphalt ..	341,642	249,250	531,393	487,729	582,145	702,881
United States—						
Crude petroleum (c) ..	4,770,375	3,918,282	3,661,381	2,737,377	1,862,864	1,571,294
Natural gasoline ..	114,591	188,303	188,665	108,765	68,054	14,883
Aviation spirit ..	595,754	1,149,964	1,447,539	1,441,302	1,846,413	1,748,153
Motor spirit ..	1,287,573	2,255,152	1,481,933	1,622,647	858,972	869,571
Other finished light products ..	113,661	164,110	184,012	154,930	150,886	179,825
Kerosine ..	166,796	763,270	907,091	819,514	509,269	317,818
Aviation turbine fuel ..	(a)	(a)	(a)	52,243	18,827	15,307
Gas oil and distillate fuel oil ..	1,470,024	2,787,503	4,380,243	4,155,631	3,063,548	3,041,712
Residual fuel oil ..	1,733,237	3,517,972	3,273,737	2,905,061	2,967,464	4,011,414
Fuel oil (bunkers) ..	7,410,000	9,305,000	9,522,000	9,945,000	(a)	(a)
Lubricating oil ..	1,882,764	2,288,350	2,107,217	1,684,172	1,990,168	1,879,850
Transformer oil ..	23,539	34,353	27,886	23,923	26,367	20,130
Greases ..	51,000	59,330	59,656	43,156	54,524	58,300
Paraffin wax ..	139,049	155,358	121,684	128,615	151,943	137,121
Petroleum jelly ..	33,487	49,746	26,047	32,710	39,236	44,143
Asphalt and bitumen, natural ..	16,801	22,248	17,791	18,315	26,929	29,217
Other asphalt, etc. ..	127,883	163,612	346,053	247,562	259,399	239,752
Petroleum coke ..	436,539	790,202	743,531	645,060	573,883	797,026
Liquefied petroleum gases ..	136,130	175,269	199,478	250,612	328,865	357,003
Natural gas (million cu. ft.) ..	26,392	22,899	27,192	28,564	27,129	26,240
Argentina—						
Bitumen (Rafaelite) ..	2,593	(a)	747	955	1,207	1,627
Bolivia—						
Crude petroleum ..	3,066	—	—	739	(a)	(a)
Chile—						
Crude petroleum ..	55,510	93,760	107,407	147,875	125,000	(a)
Colombia—						
Crude petroleum ..	4,038,410	4,525,407	4,380,915	4,534,737	4,270,262	3,537,395
Fuel oil ..	—	—	—	—	32,053	(a)
Ecuador—						
Crude petroleum ..	134,000	135,000	113,700	168,915	174,984	184,521
Peru—						
Crude petroleum ..	368,078	328,737	337,542	303,644	299,182	307,943
Natural gasoline ..	54,789	53,753	37,358	21,953	28,195	29,333
Aviation spirit ..	26,089	33,142	19,233	14,770	22,942	47,714
Motor spirit (b) ..	208,966	205,787	159,905	107,425	129,764	124,486
Kerosine ..	34,131	46,108	36,647	36,386	65,666	93,454
do. Power ..	6,002	10,133	713	—	—	92
Gas oil (b) ..	—	77,108	60,007	52,711	110,569	252,513
Fuel oil and diesel oil ..	191,221	153,369	226,021	123,083	59,142	4,143
do. (bunkers) ..	45,938	61,815	68,888	49,846	43,287	23,675
Lubricating oil and grease ..	1,252	2,474	1,764	2,291	2,297	3,150
Asphalt ..	902	384	6	543	1,728	1,258

(a) Information not available.

(b) Including bunkers.

(c) Revised conversion factor.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Uruguay (d)—						
Motor spirit	(a)	3,000	5,600	33,400	(a)	(a)
Kerosine	(a)	(a)	100	100	(a)	(a)
Gas oil and diesel oil	(a)	(a)	38,000	22,100	(a)	(a)
Fuel oil	(a)	240,000	172,000	179,000	(a)	(a)
Venezuela—						
Crude petroleum	64,636,000	70,912,764	75,042,078	68,649,905	74,440,279	85,526,000
Motor spirit	970,000	1,396,260	1,504,630	1,661,487	1,561,393	1,217,000
Kerosine	11,500	188,177	242,048	266,086	324,398	542,000
Gas oil	396,000	1,248,980	753,475	963,805	1,535,699	1,718,000
Diesel oil	1,170,586	1,037,183	1,748,326	1,574,141	1,378,675	2,840,000
Fuel oil	6,865,396	8,238,641	9,117,568	12,306,081	13,200,827	13,820,000
Lubricating oil	10,240	21,632	58,902	98,471	166,473	141,000
Asphalt	9,727	40,063	58,319	49,111	25,088	40,000
Indonesia—						
Crude petroleum	7,942	—	589,903	2,053,444	2,266,487	2,980,056
Motor spirit	1,787,499	1,934,712	1,974,055	1,958,757	1,765,941	1,704,081
White spirit	29,258	52,811	50,677	75,256	80,272	91,181
Kerosine	573,126	655,183	664,784	678,571	784,214	499,623
Gas and diesel oils	1,244,114	1,514,099	1,750,119	1,981,355	1,838,259	1,395,797
do. do. (bunker oil)	97,486	52,610	163,382	214,571	199,005	161,131
Fuel oil	1,708,872	1,723,858	2,071,739	1,999,014	2,224,012	1,990,738
do. (bunker oil)	222,289	112,875	355,660	533,960	434,944	338,652
Lubricating oil	61,898	36,845	85,993	84,646	59,202	84,722
Paraffin wax	51,591	66,491	51,558	40,528	75,278	77,228
Asphalt	1,438	205	199	156	42	15
Iran (e)—						
Crude petroleum	6,501,300	b 3,353,700	10,833	41,003	1,906,497	(a)
Motor spirit	4,080,900	b 1,799,300	438	144,285	167,070	(a)
Kerosine	2,283,500	b 1,085,400	1,538	358	141,529	(a)
Gas oil	15,767,300	b 7,458,100	262	—	66,924	(a)
Diesel oil			—	23,197	98,804	(a)
Fuel oil			117	25,653	999,280	(a)
Other products	202,400	b 89,000	(a)	(a)	(a)	(a)
Iraq—						
Crude petroleum	6,046,527	7,838,292	17,626,590	26,985,727	29,184,942	31,643,663
Motor spirit	784	2,727	1,270	1,118	777	(a)
Kerosine	6,014	1,855	1,395	678	667	(a)
Bitumen	10	—	272	351	1,332	(a)
Japan (bunkers)—						
Aviation spirit (Foreign produce)	(a)	(a)	2,363	7,635	5,727	45,844
Fuel oil—						
Domestic produce	(a)	(a)	275,248	335,502	175,511	170,744
Foreign produce	(a)	(a)	289,066	333,952	452,088	932,783
Lebanon—						
Fuel oils	2,039	3,461	3,728	3,244	2,827	(a)
Netherlands New Guinea—						
Crude petroleum	(a)	228,000	239,000	237,000	491,200	477,954
Neutral Zone (c)—						
Crude petroleum	—	—	—	—	833,000	1,250,000
Saudi Arabia—						
Crude petroleum	20,859,641	29,116,148	31,590,532	30,812,126	35,651,420	36,884,697
Syria—						
Diesel oil	(a)	—	—	—	2,354	5,044
Fuel oil	(a)	1,954	6,472	7,688	6,187	2,074
Natural asphalt	(a)	3,997	3,522	2,956	3,480	3,853

(a) Information not available.

(b) Anglo-Iranian Oil Co. only.

(c) Neutral Zone of Kuwait and Saudi Arabia.

(d) Bunkers on foreign ships only.

(e) Calendar years 1950 and 1951. Subsequent years relate to the year ended March 20 following that stated.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	9,246,108	16,680,733	22,818,386	25,631,425	27,730,537	28,062,953
Aviation spirit (d) ..	249,615	356,447	400,973	502,448	319,348	256,796
Aviation turbine fuel ..							33,863
Motor spirit ..	3,763,460	2,959,396	1,236,809	1,091,901	1,025,115	1,492,997
Other spirit ..	104,198	180,478	177,264	291,803	161,983	116,185
Kerosine—Power ..	811,970	839,740	878,887	866,249	710,674	678,701
do. Other ..	601,391	978,692	591,096	512,076	592,925	399,861
Aviation jet fuel ..							472,882
Fuel oil (d) ..	2,162,309	2,152,689	1,096,312	963,472	1,593,909	2,305,769
Diesel oil ..	232,436	246,703	309,397	223,931	211,922	227,564
Gas oil ..	1,391,179	1,472,134	789,079	1,107,422	1,567,391	1,849,432
Lubricating oil ..	479,861	447,556	442,173	451,150	463,033	444,385
Mineral jelly ..	8,822	10,595	6,217	9,131	7,744	11,055
Paraffin wax ..	29,581	58,310	22,745	14,045	40,209	37,583
Other petroleum wax ..	5,086	6,428	3,050	4,498	7,757	7,604
Ozokerite ..	94	12	11	(c) 29	11	8
Petroleum coke ..	9,131	9,449	9,766	9,726	18,820	27,492
Asphalt and bitumen (f) ..	54,365	56,924	56,595	61,256	64,607	81,018
Channel Islands—						
Aviation spirit ..	(g) 1,777	(g) 1,595	1,943	2,554	2,568	3,131
Motor spirit ..	16,900	16,732	16,629	17,335	17,651	18,247
Other spirit (g) ..	100	91	89	82	80	68
Kerosine ..	2,668	2,523	2,361	1,810	1,988	1,816
Gas and fuel oil ..	17,648	23,982	24,820	26,314	27,289	32,826
Lubricating oil ..	941	1,036	966	1,016	1,108	1,242
Greases (g) ..	23	20	14	19	13	16
Gibraltar (e)—						
Motor spirit, fuel oil, etc. ..	4,470	5,200	5,828	5,174	5,000	5,000
Kerosine ..	371	400	386	244	217	269
Malta—						
Aviation spirit (d) ..	13,026	13,549	30,135	30,634	26,438	19,801
Motor spirit ..	13,067	15,325	18,972	15,807	15,831	21,572
Aviation turbine fuel (b) ..	1,625	2,557	10,787	7,729	12,731	5,926
Kerosine ..	21,456	24,566	15,676	25,781	29,422	35,988
Fuel oil (d) ..	27,517	21,227	24,211	31,729	30,865	31,316
Gas oil (d) ..	9,728	14,955	14,773	15,043	15,385	15,825
Lubricating oil ..	660	1,074	619	666	982	1,350
Anglo-Egyptian Sudan—						
Aviation spirit (d) ..	39,492	11,876	22,318	19,808	17,736	21,024
Motor spirit (d) ..							36,519	40,305	46,175	60,007	57,396
Kerosine ..	10,347	12,164	17,479	20,163	17,092	19,603
Gas oil ..	86,711	13,115	14,681	17,206	22,886	25,467
Diesel oil ..							22,635	23,606	22,952	24,543	27,616
Fuel oil ..		87,320	88,583	91,602	105,771	106,825
Lubricating oil, etc. ..	2,732	4,147	8,077	4,313	4,050	5,673
Asphalt, etc. ..	2,199	3,639	6,967	2,040	2,188	3,404
Gambia—						
Aviation spirit ..	28	994	(c) 125	(c) 707	926	(c) 1,270
Motor spirit ..	1,938	1,501	2,179	1,161	1,994	2,271
Kerosine ..	513	910	560	406	549	563
Gas and diesel oil ..	1,555	1,746	1,398	1,394	1,710	1,844
Lubricating oil ..	241	233	224	51	167	232
Asphalt and bitumen ..	23	6	473	104	82	256

*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) Information not available.

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

(c) Excess of re-exports.

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

(e) Excluding imports for bunkers.

(f) Natural.

(g) Jersey only.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Gold Coast—						
Aviation spirit (b) ..	2,346	2,307	3,927	3,413	1,323	3,197
Motor spirit (b) ..	60,201	65,507	74,489	82,126	96,914	106,724
Kerosine	20,565	18,988	24,236	29,116	24,215	34,806
Fuel oil (b)	38,224	33,315	10,314	609	30,350	49,925
Gas oil (b)	50,820	60,009	77,048	100,365	51,658	50,087
Diesel oil	8,842	3,339	12,280	8,882	28,045	57,735
Lubricating oil ..	6,571	6,968	8,003	4,884	9,179	11,547
Asphalt and bitumen ..	2,110	8,803	17,208	9,669	11,280	17,847
Kenya—						
Aviation spirit (b) ..	7,293	9,330	14,888	8,120	24,110	11,351
Motor spirit (b) ..	54,882	98,917	96,987	78,559	97,493	121,169
Kerosine—Power ..	12,402	15,692	12,609	10,043	11,423	11,402
do. Other	8,822	22,234	21,782	16,830	25,870	21,181
Gas, diesel, fuel oils (b)	313,137	429,512	488,982	475,464	484,711	548,235
Lubricating oil (b) ..	6,162	4,098	15,229	5,466	7,563	12,557
Greases	450	669	970	600	704	549
Petroleum jelly	12	31	214	25	50	181
Paraffin wax	40	73	267	—	—	—
Asphalt	(a)	(a)	(a)	(a)	7,196	10,627
Mauritius—						
Aviation spirit (b) ..	425	408	1,233	939	705	1,171
Motor spirit	10,727	11,316	15,171	16,264	18,951	16,682
Kerosine	3,172	3,097	2,824	2,776	3,726	3,004
Lubricating oils ..	1,162	1,330	1,493	1,507	1,667	1,283
Gas, diesel, fuel oils (b)	8,679	9,223	16,089	17,231	14,229	12,785
Grease	116	168	174	176	136	137
Asphalt and pitch ..	1,712	826	3,746	1,887	1,498	2,474
Nigeria—						
Aviation spirit	13,654	14,552	11,594	14,656	16,433	16,386
Motor spirit	81,090	82,452	82,355	106,958	138,833	135,044
White spirit	(a)	(a)	(a)	(a)	182	118
Aviation turbine fuel ..	(a)	(a)	(a)	(a)	2,700	2,583
Kerosine	35,493	27,118	43,292	44,700	49,936	52,212
Gas oil (b)	4,935	7,290	8,561	15,434	20,120	24,913
Diesel oil (b)	13,784	6,331	15,816	19,244	13,686	23,293
Fuel oil (b)	8,865	22,847	21,587	19,052	22,105	39,563
Lubricating oil	5,221	7,734	10,443	5,446	8,076	10,733
Asphalt and bitumen ..	6,670	11,859	20,852	11,482	17,036	21,722
Northern Rhodesia—						
Aviation spirit	2,444	4,740	3,654	3,142	—	—
Motor spirit	23,059	27,830	32,606	36,906	—	—
Kerosine—Power ..	3,186	3,971	3,714	2,912	(c)	(c)
do. Other	2,396	2,915	3,346	3,774	—	—
Fuel oil	5,677	8,145	12,449	16,693	—	—
Lubricating oil	2,421	3,337	3,072	3,874	—	—
Asphalt and bitumen ..	3,121	1,840	4,672	1,341	—	—
Nyasaland—						
Motor spirit	7,938	8,388	9,405	9,964	—	—
Kerosine	2,188	1,362	2,052	2,299	(c)	(c)
Fuel oil	4,525	4,648	6,031	5,653	—	—
Lubricating oil	907	828	1,070	829	—	—
St. Helena—						
Motor spirit	122	174	256	105	231	206
Kerosine	23	111	109	78	90	78
Diesel oil	69	156	91	70	221	36
Lubricating oil	29	13	14	6	28	6
Seychelles—						
Motor spirit	253	305	308	371	329	228
Kerosine	337	202	263	251	257	222
Fuel oil	154	374	98	207	205	186
Lubricating oil	20	19	47	26	(a)	(a)

(a) Information not available.

(c) See under Southern Rhodesia.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Sierra Leone—						
Aviation spirit (<i>d</i>) ..	419	151	221	337	748	695
Motor spirit ..	5,331	5,247	6,301	7,031	6,809	9,997
Kerosine ..	3,926	4,733	5,936	6,605	8,235	7,987
Gas oil (<i>d</i>) ..	2,864	2,790	4,596	4,204	4,718	5,771
Diesel oil (<i>d</i>) ..	1,579	1,747	2,277	762	1,466	466
Fuel oil (<i>d</i>) ..	3,951	3,961	3,892	6,318	5,261	7,186
Lubricating* oil ..	469	882	1,088	882	616	980
Asphalt and bitumen ..	8	713	178	336	1,071	1,011
Somaliland Protectorate—						
Motor spirit ..	2,995	3,588	3,236	3,228	3,075	3,442
Kerosine ..	417	439	454	696	564	603
Gas oil and diesel oil ..	(<i>a</i>)	793	984	670	730	878
Lubricating oil ..	(<i>a</i>)	133	107	146	76	131
Southern Rhodesia—						
Aviation spirit ..	4,602	6,526	9,491	6,269	(<i>b</i>) 11,209	(<i>b</i>) 12,552
Motor spirit ..	80,449	91,680	99,341	103,577	(<i>b</i>) 175,298	(<i>b</i>) 188,216
Kerosine—Power ..	13,597	19,024	18,545	18,892	(<i>b</i>) 21,862	(<i>b</i>) 21,324
do. Other ..	5,560	7,489	9,089	8,012	(<i>b</i>) 17,073	(<i>b</i>) 17,274
Fuel oil ..	20,011	26,285	28,327	34,667	(<i>b</i>) 71,646	(<i>b</i>) 87,532
Lubricating oil ..	6,972	8,519	11,494	6,342	(<i>b</i>) 16,238	(<i>b</i>) 18,512
Other oils (total imports)	267	482	851	671	(<i>b</i>) 2,556	(<i>b</i>) 3,665
Paraffin wax ..	513	467	482	520	(<i>b</i>) 841	(<i>b</i>) 743
Asphalt and bitumen ..	9,416	17,086	18,436	7,473	(<i>b</i>) 16,298	(<i>b</i>) 26,457
South West Africa—						
Motor spirit ..	18,876	21,697	19,179	27,697	28,611	(<i>f</i>)
Kerosine—Power ..	2,347	2,324	2,304	2,922	(<i>a</i>)	
do. Other ..	2,570	3,650	4,890	3,457	3,825	
Diesel oil ..	20,400	20,750	23,181	30,317	(<i>a</i>)	
Lubricating oil ..	1,503	2,221	2,655	1,866	2,224	
Asphalt and bitumen ..	288	223	732	31	767	
Tanganyika—						
Aviation spirit (<i>d</i>) ..	3,789	3,288	2,998	3,813	1,413	3,275
Motor spirit ..	40,839	37,565	41,241	49,274	52,404	53,318
Kerosine—Power ..	1,595	2,226	3,371	2,334	1,829	1,556
do. Other ..	7,361	15,220	16,417	14,862	16,043	23,150
Gas, diesel, fuel oils (<i>d</i>)	50,168	35,094	46,665	54,876	63,788	98,829
Lubricating oil ..	5,233	4,984	9,212	2,746	4,239	7,234
Greases ..	425	268	588	453	261	412
Petroleum jelly ..	25	20	54	20	34	72
Paraffin wax ..	—	3	2	—		
Asphalt ..	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	4,246	7,165
Uganda—						
Aviation spirit (<i>e</i>) ..	1,842	1,734	2,149	4,346	4,538	6,875
Motor spirit ..	28,773	31,991	35,481	41,720	44,398	54,547
Kerosine—Power ..	707	809	3,027	5,299	1,191	1,015
do. Other ..	7,600	10,692	8,806	13,252	15,877	18,054
Gas, diesel, fuel oils	28,813	17,539	23,663	35,759	25,237	29,021
Lubricating oil ..	1,964	2,422	2,541	2,316	3,560	4,110
Greases ..	137	167	159	193	259	288
Petroleum jelly ..	11	20	30	26	61	52
Paraffin wax ..	2	1	1	3		
Asphalt ..	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	1,741	1,914
Union of South Africa—						
Crude petroleum ..	—	—	—	(<i>c</i>) 28,911	(<i>c</i>) 773,154	(<i>c</i>) 987,007
Motor spirit (<i>d</i>) ..	1,023,130	1,065,362	1,124,985	1,187,412	(<i>c</i>) 971,014	(<i>c</i>) 1,067,112
Other spirit ..	8,727	14,207	12,281	9,925	15,189	(<i>a</i>)
White spirit ..	18,834	15,436	19,754	22,511	21,436	(<i>a</i>)
Kerosine—Power ..	213,506	256,523	270,331	307,316	346,112	(<i>c</i>) 325,762
do. Other ..	127,950	147,952	152,242	148,387	152,557	(<i>c</i>) 151,017
Gas oil ..	463,209	431,194	393,459	380,898	259,300	314,256
Diesel oil (<i>e</i>) ..						
Fuel oil (<i>e</i>) ..	289,092	434,725	324,974	245,917	(<i>c</i>) 198,369	(<i>c</i>) 165,845

 (*a*) Information not available.

 (*b*) Federation of Rhodesia and Nyasaland.

 (*c*) Total imports.

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

 (*e*) Imported chiefly for bunkering purposes. See exports. (*f*) Included with Union of South Africa.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Union of South Africa						
<i>—(cont.)</i>						
Lubricating oil	66,301	85,711	93,812	69,293	96,675	(b) 132,382
Transformer oil	3,579	3,787	4,364	5,332	3,910	(a)
Road oil	9,513	4,513	857	5,504	3,002	(a)
Other oils	1,795	2,897	1,737	30,211	2,656	(a)
Paraffin wax	10,918	15,902	16,157	14,535	(b) 17,904	(b) 19,669
Asphalt and bitumen ..	29,202	41,678	46,064	38,981	28,860	(b) 31,687
Petroleum jelly	2,171	3,413	2,498	2,491	3,395	(a)
Zanzibar—						
Aviation and motor						
spirit	2,561	3,339	3,427	354	3,810	4,174
Kerosine, etc.	2,416	2,897	2,796	3,144	2,865	3,214
Fuel oil	2,561	1,233	1,865	2,353	779	2,166
Canada—						
Crude petroleum	11,237,210	11,897,747	11,599,948	11,353,974	11,253,182	12,382,567
Tops for refiners	186,316	121,312	197,467	273,592	14,177	14,536
Aviation spirit	160,860	174,550	229,933	253,528	262,180	345,613
Motor spirit	641,900	483,868	582,858	694,252	437,721	335,995
Kerosine, etc.	57,818	70,172	123,560	97,916	69,279	44,454
Lubricating oils	70,776	115,590	125,158	139,767	138,268	177,701
Diesel oil	278,226	451,313	336,738	277,993	247,493	318,794
Fuel oil	2,031,892	2,329,592	2,737,930	2,709,382	3,159,639	3,368,011
do. (c)	44,564	59,409	64,995	78,319	34,340	7,115
Other petroleum oils ..	4,793	8,074	10,590	11,147	8,054	7,088
Liquefied petroleum gas	69,409	84,308	85,581	117,442	118,446	99,207
Grease	5,573	6,069	8,109	9,015	6,333	8,352
Paraffin wax, etc.	13,384	16,703	13,627	16,574	15,418	19,164
Asphaltum oil, etc. ..	371	20	—	—	641	283
Asphalt	18,986	14,795	9,805	20,175	27,963	25,707
Petroleum coke	267,300	314,437	255,460	260,658	254,713	361,352
Other products	10,829	17,189	23,729	58,284	44,930	57,189
Natural gas (<i>million cubic feet</i>)	3,254	3,699	5,982	6,097	6,236	11,166
British Guiana—						
Aviation spirit (d)						
Motor spirit	1,056	848	1,386	292	503	2,962
Kerosine	8,385	9,813	10,322	10,962	12,574	14,169
Fuel oils	4,995	5,020	4,233	6,074	7,590	9,033
Gas, diesel and fuel oils	71,096	73,724	91,848	126,387	128,136	139,405
Lubricating oil	1,569	2,186	2,842	1,416	2,444	2,076
Paraffin wax	3	12	22	10	21	12
Asphalt	257	242	224	349	389	401
British West Indies—						
Bahamas—						
Motor spirit	8,610	10,118	11,905	12,308	12,921	17,262
Kerosine	2,618	3,335	3,440	3,895	3,978	4,418
Fuel oils (b)	8,996	11,400	12,845	13,817	14,237	22,113
Lubricating oil	512	440	644	344	376	484
Barbados—						
Crude petroleum	5,357	5,566	5,711	8,398	8,338	5,680
Aviation and motor						
spirit	7,280	9,478	9,420	9,182	9,028	11,238
Kerosine	4,835	5,676	5,765	6,195	6,749	8,449
Gas oil and diesel oil ..	3,777	9,537	3,135	6,880	7,472	8,740
Lubricating oil	687	644	574	584	456	758
Road oil	108	120	57	18	49	75

(a) Information not available.

(b) Total imports.

(c) Ex warehoused, for ships' stores.

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

(e) Excess of re-exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
<i>(cont.)</i>						
Bermuda (c)—						
Aviation and motor spirits	19,666	30,306	37,198	50,111	46,726	56,308
Aviation turbine fuel	(a)	(a)	(a)	(a)	5,978	4,516
Kerosine	1,924	1,253	1,467	1,776	1,848	1,595
Diesel oil	(a)	11,784	17,400	13,415	19,119	14,640
Fuel oil	6,121	8,329	19,005	16,117	(e) 5,791	21,808
Lubricating oil	794	(a)	1,162	988	1,030	777
Asphalt	49	2,700	2,164	634	1,319	1,338
Cayman Islands—						
Motor spirit	205	212	216	268	300	414
Kerosine	162	167	173	190	216	216
Dominica—						
Motor spirit	405	496	603	647	686	841
Kerosine	318	377	73	430	455	446
Fuel oil and diesel oil	197	294	502	480	464	428
Lubricating oil	29	32	50	40	48	41
Road oil	132	(a)	(a)	34	56	(a)
Grenada—						
Motor spirit	1,275	1,603	1,676	1,652	1,839	2,010
Kerosine	602	711	812	891	933	981
Fuel oil	377	311	415	434	651	798
Lubricating oil	56	102	77	35	62	(a)
Road oil	589	543	463	391	464	(a)
Jamaica (d)—						
Aviation spirit (c)	9,899	7,128	11,111	11,314	14,638	17,118
Motor spirit	41,101	36,828	38,444	41,847	42,984	40,810
Kerosine	10,629	10,556	11,410	12,355	15,273	16,980
Gas oil (b)	18,732	1,307	35,590	30,296	(e) 33,185	22,445
Diesel oil (b)	10,951	6,238	23,636	47,315	44,190	35,318
Fuel oil (b)	93,978	55,110	139,817	201,057	265,388	206,767
Lubricating oil	1,854	2,840	2,772	2,855	3,169	3,819
Grease	379	290	336	275	208	290
Petroleum jelly	93	155	127	156	168	111
Paraffin wax	69	21	70	28	26	29
Natural asphalt	3,224	6,954	2,902	6,879	4,898	7,037
Leeward Islands—						
Motor spirit	1,805	1,951	2,443	1,316	1,404	3,298
Kerosine	879	867	1,328	1,595	1,340	2,659
Gas oil	944	693	972	3,260	2,437	1,148
Diesel oil	1,008	612	1,056	127	1,386	1,778
Fuel oil	192	111	459	132	177	492
Road oil	498	466	522	806	1,005	355
Lubricating oil	210	111	214	176	200	561
St. Lucia—						
Motor spirit	686	1,077	941	1,950	816	920
Kerosine	239	494	417	409	454	500
Fuel oil	446	881	729	659	723	905
Lubricating oil	107	88	89	55	66	105
Road oil	354	408	392	786	597	714
St. Vincent—						
Motor spirit	681	682	786	878	918	1,182
Kerosine	392	401	494	550	569	603
Gas, diesel and fuel oils	394	488	530	359	253	228
Lubricating oil	48	40	64	51	61	70
Road oil	218	340	146	162	198	200
Asphalt, tar and pitch	4	7	1	4	6	5

(a) Information not available.

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

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

(d) Total imports 1950 to 1953.

(e) Revised.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
<i>(Cont.)</i>						
Trinidad and Tobago—						
Crude petroleum ..	1,607,463	2,248,962	2,314,096	2,306,232	2,324,496	2,481,671
Aviation and motor spirits ..	7	16	3,148	29,634	4	233
Kerosine ..	7	(c) 4	3	—	—	—
Gas oil ..	803	—	—	—	26,753	113,315
Fuel oil ..	537	1	194	3,135	2	3
Lubricating oil ..	3,255	3,917	3,951	3,235	4,468	4,168
Greases ..	(a)	248	448	230	301	370
Petroleum jelly ..	122	60	101	118	66	91
Paraffin wax ..	44	17	21	18	21	14
British Honduras—						
Aviation spirit ..	(c) 12	129	198	(c) 112	591	380
Motor spirit ..	2,971	3,716	4,042	3,928	4,220	6,617
Kerosine ..	1,309	1,349	1,826	1,750	1,648	2,042
Diesel and fuel oils ..	2,162	3,293	2,681	2,944	3,637	2,643
Lubricating oil ..	254	454	270	375	1,729	425
Asphalt ..	725	821	990	1,620	854	491
Falkland Islands—						
Motor spirit ..	274	243	159	135	236	255
Kerosine ..	122	128	125	59	106	127
Gas and diesel oils ..	1,188	168	996	898	1,088	2,383
Fuel oil (e) ..	107,383	131,720	111,617	54,398	104,199	175,184
Aden Colony—						
Crude petroleum ..	—	—	—	—	—	4,265,197
Motor spirit ..	1,071	8,205	9,546	8,790	1,285	78
Kerosine ..	3,694	5,206	4,660	6,701	4,603	2,059
Gas oil ..	17,138	147,896	30,607	88,261	55,458	} 960,585
Fuel oil (b) ..	2,458,024	2,404,698	2,522,368	2,386,977	3,566,415	
Lubricating oil ..	982	(c) 3,742	1,544	2,159	1,757	2,788
Asphalt and bitumen ..	117	95	1,055	13,186	8,984	(a)
Aden Protectorate (f)—						
Motor spirit ..	671	726	812	2,560	31	407
Kerosine ..	127	113	58	83	853	1,348
Gas oil ..	(a)	—	24,825	1,001	—	} 28
Fuel oil ..	—	—	45	—	197	
Lubricating oil ..	(a)	669	71	102	—	64
Bahrain Islands (d)—						
Crude petroleum ..	6,028,000	7,170,000	7,764,000	8,128,900	9,059,300	8,397,900
British Borneo—						
Brunei—						
Motor spirit ..	3,089	793	3,656	7,306	7,421	2,420
Kerosine ..	549	269	643	1,347	1,837	798
Diesel oil ..	5,818	132	6,775	10,263	8,928	2,326
Fuel oil ..	234	48	94	534	1,690	537
Lubricating oil ..	1,596	55	1,120	1,907	1,001	2,171
Grease ..	(a)	2	76	54	169	483
North Borneo—						
Motor spirit ..	3,732	4,633	7,136	7,281	4,360	2,920
Kerosine ..	2,665	3,262	3,034	3,363	4,214	4,307
Gas, diesel and fuel oils ..	6,024	3,176	6,662	7,431	4,624	2,067
Lubricating oil ..	517	477	898	736	759	847
Asphalt and bitumen ..	353	184	2,725	(a)	78	1,148

(a) Information not available.

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

(c) Excess of re-exports.

(d) British Protected State.

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

(f) Re-exports from Aden Colony to the Protectorate.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
British Borneo (cont.)—						
Sarawak—						
Crude petroleum ..	4,057,462	4,895,640	4,990,194	4,798,933	4,707,024	5,175,032
Aviation spirit ..	62	203	323	308	363	414
Motor spirit ..	2,203	3,677	4,198	4,222	6,239	5,589
Kerosine ..	5,232	6,393	5,516	5,579	6,728	7,060
Gas oil ..	(a)	(a)	(a)	—	2,539	4,275
Diesel oil ..	4,537	5,100	6,119	6,293	5,051	3,981
Fuel oil ..	588	787	780	1,041	1,195	531
Lubricating oil ..	619	712	863	1,182	1,485	1,887
Paraffin wax ..	4	13	10	27	5	8
Natural gas (<i>million cubic feet</i>) ..	1,823	1,745	1,770	2,056	1,958	2,800
Ceylon—						
Aviation spirit ..	89,330	106,316	125,376	5,641	8,476	6,632
Motor spirit ..				124,355	117,946	125,467
Kerosine ..	43,026	64,869	70,971	70,907	80,335	92,146
Gas oil (c) ..	17,427	17,422	25,908	38,324	31,215	36,173
Diesel oil (b) ..	103,402	141,953	127,469	139,169	133,575	161,379
Fuel oil (b) ..	507,853	536,226	486,928	442,637	365,460	511,598
Lubricating oil (c) ..	5,850	8,323	9,989	4,962	6,289	8,227
Other oils and greases ..	369	325	545	132	209	415
Asphalt (incl. natural)	14,140	11,445	33,611	7,443	3,533	4,341
Cyprus—						
Aviation and motor spirits ..	21,246	(c) 30,090	(c) 35,458	(c) 44,060	(c) 53,056	(c) 48,332
Kerosine, etc. ..	18,789	19,152	15,714	19,126	19,538	33,143
Fuel oils ..	46,943	43,106	50,720	57,383	75,694	75,820
Lubricating oil ..	1,827	1,391	1,860	2,189	2,142	3,296
Paraffin wax ..	65	165	108	(f) 75	(f) 183	(f) 106
Asphalt and bitumen ..	2,958	4,505	5,668	5,609	5,522	10,626
Hong Kong (total imports)—						
Aviation spirit ..	77,999	52,422	10,970	11,095	16,952	9,647
Motor spirit ..			39,483	40,570	45,897	49,132
White spirit ..	(a)	(a)	687	1,551	2,553	2,856
Kerosine ..	37,111	21,056	31,860	42,770	51,037	64,565
Diesel oil and gas oil ..	495,017	495,070	86,080	101,616	140,102	118,973
Fuel oil ..			326,149	447,896	533,642	541,177
Lubricating oil ..	(a)	(a)	6,592	2,974	5,200	7,214
Greases ..	(a)	(a)	279	217	322	482
Petroleum jelly ..	1,825	2,918	270	197	411	284
Paraffin wax ..	10,749	2,573	737	760	1,642	1,722
Asphalt and bitumen ..	(a)	(a)	9,125	1,190	1,390	4,580
Asphalt (natural) ..	(a)	(a)	307	482	389	576
India—						
Aviation and motor spirits (c) ..	639,270	758,548	808,246	857,996	756,562	351,099
Other spirit ..	3,103	7,744	22,116	129	4,221	7,572
Kerosine ..	808,637	872,081	997,391	933,764	1,138,308	966,262
Diesel oil ..	509,523	599,778	666,411	592,801	813,812	384,159
Fuel oil (c) ..	787,858	856,020	754,681	752,793	716,494	183,241
White spirit, etc. ..	326	539	308	27	3	2
Lubricating oil ..	170,745	162,694	258,650	164,247	222,015	157,701
Turpentine substitute ..	2,169	2,113	1,681	8,640	6,842	3,006
Other oils ..	8,659	12,960	13,165	39,493	39,614	99,611
Greases ..	2,619	5,465	4,636	1,744	2,483	4,559
Paraffin wax ..	106	7	6	—	1	2
Asphalt ..	87,493	28,587	141,078	126,813	163,526	404,134
Kuwait (b) (d)—						
Diesel oil ..	(a)	(a)	(a)	—	5,976	10,939
Fuel oil ..	(a)	(a)	(a)	107,001	149,011	259,422

(a) Information not available.

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

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

(d) British Protected State.

(e) Excess of re-exports.

(f) Including petroleum jelly.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES (cont.)						
Malaya (total imports)—						
Aviation spirit	101,761	154,064	165,686	226,260	292,509	271,723
Motor spirit	689,841	854,821	992,056	1,183,509	1,194,463	1,238,961
White spirit	(a)	(a)	(a)	39,000	56,281	78,989
Aviation turbine fuel	(a)	(a)	(a)	2,013	(a)	(a)
Kerosine—Power	59,387	130,201	146,318	97,108	91,915	54,028
do. Other	172,930	150,535	261,891	316,810	286,642	389,718
Gas oil	305,792	512,634	789,741	851,567	768,164	748,891
Diesel oil	729,633	753,414	741,764	651,489	690,334	743,543
Fuel oil	1,222,917	1,413,042	1,958,802	2,052,131	2,393,670	3,030,055
Lubricating oil	22,264	32,578	28,915	22,078	24,388	33,229
Paraffin wax	2,079	5,919	2,598	1,903	2,016	2,423
Petroleum jelly	939	2,268	353	163	479	684
Grease	448	16	2	1,162	1,332	1,870
Asphalt and bitumen	30,906	27,073	36,202	30,043	40,254	48,912
Natural asphalt	(a)	(a)	(a)	(a)	5,406	16
Pakistan (e)—						
Motor spirit	(a)	74,129	47,855	64,087	68,822	34,464
Other spirit		2,220	13,572	41,017	28,243	33,895
Kerosine		138,372	99,686	222,795	150,613	146,771
Diesel oil		98,572	95,099	156,762	160,033	208,883
Fuel oil		404,207	510,215	502,012	488,255	402,161
Lubricating oil		21,013	34,911	19,156	33,057	34,573
Turpentine substitutes		75	165	2	—	—
Other oils		1,056	1,817	390	1,844	1,930
Grease		1,052	1,680	7,623	1,913	749
Paraffin wax		3,732	818	356	632	631
Asphalt	11,402	45,309	4,535	6,778	18,642	
Australia (d) (f)—						
Crude petroleum	640,892	807,209	906,343	971,855	1,209,891	3,782,170
Aviation spirit (b)	122,685	126,751	141,761	136,470	145,058	137,029
Motor spirit	1,471,914	1,785,426	1,936,825	1,928,352	2,094,448	1,817,542
White spirit	33,636	34,841	33,992	32,985	41,789	48,514
Kerosine—Power	289,547	303,349	245,204	263,539	271,487	320,594
do. Other	126,278	145,992	180,378	193,603	223,762	224,849
Lubricating oil	148,321	116,985	193,712	97,409	105,350	172,751
Gas and diesel oils	366,204	342,389	498,659	424,474	413,494	1,505,222
Fuel oil	1,434,258	1,585,989	1,586,736	1,290,516	1,510,771	
Petroleum jelly	870	1,731	2,668	690	1,159	1,648
Paraffin wax	3,115	4,973	8,469	1,718	4,356	6,530
Mastic asphalt	—	100	100	—	110	(a)
Natural asphalt	4,244	5,898	2,937	627	604	18,170
Bitumen and pitch	27,960	44,179	27,571	24,331	2,133	7,757
Fiji—						
Aviation spirit (c)	4,014	5,028	5,516	8,148	10,165	10,659
Motor spirit	9,900	10,690	10,460	14,563	13,965	16,582
Kerosine	2,357	2,861	3,525	3,595	4,402	4,747
Diesel oil (b)	12,653	15,279	18,068	12,333	12,655	22,346
Fuel oil (b)	7,571	458	284	5,177	1,477	3,203
Lubricating oil	816	1,058	919	350	1,158	1,130
Greases	106	157	124	86	87	222
New Guinea (d)—						
Motor spirit	4,240	3,892	8,419	8,203	8,010	9,520
Kerosine	922	1,846	2,037	1,841	2,185	2,432
Fuel oil	4,356	8,424	7,227	9,268	8,407	13,843
Lubricating oil	705	549	699	494	778	756

(a) Information not available. (b) Including imports for bunkering purposes. See exports.

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

(d) Years ended June 30 of that stated.

(e) Years ended March 31 following that stated.

(f) Revised.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
New Hebrides—						
Motor spirit	840	787	2,354	1,383	1,694	1,600
Kerosine	468	346	578	862	964	745
Other oils	736	444	1,244	694	1,853	1,717
New Zealand—						
Aviation spirit (b)	15,200	13,181	22,656	29,520	24,834	32,317
Motor spirit	454,853	445,551	621,067	620,185	671,101	708,959
White spirit	4,607	5,057	8,298	4,686	8,025	8,611
Kerosine—Power	21,046	16,510	15,651	10,002	11,099	10,567
do. Other	7,110	9,366	17,010	9,658	11,751	10,483
Gas oil	24,177	28,550	84,545	91,230	112,544	117,310
Diesel oil (b)	187,307	223,345	183,918	138,264	233,951	185,293
Fuel oil (b)	317,262	247,727	270,976	203,712	195,526	283,910
Lubricating oil (b)	29,378	24,508	35,850	17,855	30,035	32,496
Transformer oil	502	2,164	1,196	1,087	1,096	1,186
Other refined oils	2,733	4,377	6,120	6,244	6,460	(a)
Petroleum jelly	33	98	54	23	40	132
Paraffin wax	1,091	1,517	1,649	704	1,642	1,016
Asphalt and bitumen	17,188	9,394	21,902	22,150	23,889	33,423
do. natural	10,624	7,874	9,477	9,361	3,589	4,301
Papua (d)—						
Motor spirit	(a)	2,614	3,675	4,649	5,756	(a)
Kerosine	(a)	456	858	723	257	(a)
Fuel oil	(a)	2,393	5,017	5,799	6,448	(a)
Lubricating oil	(a)	317	492	278	378	(a)
Solomon Islands (c)—						
Fuel oil, etc.	576	16	(a)	(a)	(a)	(a)
Motor spirit	377	383	755	303	(a)	403
Kerosine	309	229	637	245	(a)	246
Lubricating oil	89	177	53	213	(a)	61
Western Samoa—						
Motor spirit	1,588	927	1,919	1,512	2,181	2,403
Kerosine	241	403	507	443	619	516
Fuel oil	485	318	361	523	595	909
Lubricating oil	165	200	42	19	85	89
Irish Republic—						
Aviation spirit (b)	9,512	3,810	1,857	6,941	6,964	4,850
Motor spirit	199,319	230,545	249,473	253,308	255,316	273,006
White spirit	(a)	(a)	2,129	2,259	2,959	2,965
Kerosine—Power	76,466	99,992	108,271	47,983	50,192	45,720
do. Other				58,380	66,567	71,311
Diesel oil, etc. (b)	250,628	363,767	329,189	182,851	412,377	259,206
Fuel oil (b)				144,980		329,929
Lubricating oil	13,242	16,410	13,793	15,946	17,089	20,026
Paraffin wax	2,347	2,802	1,100	1,123	1,937	(e) 2,215
Asphalt and bitumen	24,543	27,059	30,797	1,310	1,592	1,550
FOREIGN COUNTRIES						
Austria—						
Motor spirit	47,947	34,327	12,773	1,320	30,100	95,649
Gas oil	4,129	1	—	—	11,614	28,861
Fuel oil	1,453	20	—	4	15,979	174,896
Lubricating oil, etc.	7,573	10,172	9,785	10,111	17,822	21,854
Petroleum jelly	223	122	230	154	221	253
Paraffin wax	502	3,389	1,924	2,185	2,935	3,549
Ozokerite and ceresin	404	200	198	343	624	628
Asphalt, bitumen, etc.	2,080	3,068	1,340	742	965	905
Petroleum coke	8,866	8,188	17,884	20,345	16,216	24,758
Tar and pitch	2,381	9,949	4,941	5,828	8,376	20,612

(a) Information not available.

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

(c) Years ended March 31 following that stated.

(d) Years ended June 30 of that stated.

(e) Including other mineral jellies and waxes.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.—						
Crude petroleum ..	435,201	918,830	2,244,598	2,886,674	3,671,078	4,637,230
Motor spirit, etc. ..	670,836	728,830	596,921	542,370	344,853	348,089
Kerosine ..	32,369	48,287	47,703	54,444	54,131	28,866
Fuel oil and gas oil ..	1,116,658	1,675,895	1,336,351	1,221,246	1,381,454	1,704,246
Lubricating oil ..	138,531	162,939	131,423	117,290	159,961	176,883
Other heavy oils ..	3,822	416	510	3,287	4,137	4,739
Petroleum jelly ..	841	1,128	1,010	1,067	999	1,130
Paraffin wax ..	6,219	4,109	2,697	4,040	4,217	4,713
Ozokerite and ceresin ..	503	380	73	186	277	342
Natural asphalt ..	5,740	5,182	6,887	5,066	6,415	7,067
Pitch ..	1,697	8,798	2,892	3,429	1,102	5,208
Denmark—						
Crude petroleum ..	33,219	20,828	32,756	20,725	32,595	29,999
Motor spirit ..	494,951	430,508	462,707	547,095	597,138	681,734
White spirit ..	10,359	8,722	8,939	6,452	12,044	9,901
Kerosine ..	50,286	54,986	52,461	46,490	40,189	} 121,171
do. Power ..	17,484	19,296	29,487	47,401	59,513	
Gas oil ..	302,784	304,181	270,579	316,824	349,529	412,573
Diesel oil ..	214,957	203,644	161,776	204,259	233,614	295,697
Fuel oil ..	613,370	806,795	878,631	857,922	1,116,299	1,523,739
Lubricating oil ..	38,113	35,448	31,900	34,367	43,965	50,527
Grease ..	469	543	475	563	713	708
Petroleum jelly ..	430	428	277	396	496	443
Ozokerite, etc. ..	521	468	281	431	600	526
Paraffin wax ..	2,700	2,018	1,558	2,395	3,134	3,728
Natural asphalt ..	3,784	3,023	869	1,130	942	396
Other asphalt ..	50,103	51,731	43,761	41,602	64,341	66,441
Faroe Islands—						
Motor spirit ..	328	785	1,020	1,315	1,029	1,325
Kerosine ..	461	1,106	1,779	1,819	1,662	1,922
Fuel oils ..	2,049	2,548	9,230	17,819	15,121	22,694
Lubricating oil, etc. ..	311	338	387	378	386	396
Finland—						
Motor spirit ..	239,755	261,903	279,775	298,832	334,194	355,978
Kerosine ..	19,348	18,476	19,947	19,413	18,820	18,117
do. Power ..	46,988	33,822	42,664	51,060	50,102	52,480
Fuel oil ..	155,559	176,111	264,079	326,617	488,352	642,299
Lubricating oil ..	19,450	27,521	11,962	11,747	27,818	22,842
Petroleum jelly ..	131	164	90	99	218	212
Paraffin wax ..	1,306	2,555	424	816	2,149	2,320
Asphalt and tar ..	42,887	37,553	29,405	28,968	50,459	32,939
France—						
Crude petroleum ..	13,910,096	17,787,630	20,886,646	21,653,085	23,234,242	24,422,109
Aviation spirit ..	36,820	45,067	55,534	58,827	67,465	80,762
Motor spirit ..	21,658	116,066	68,815	77,130	176,331	330,832
Kerosine ..	90	2,374	4,557	5,370	7,759	8,481
Lubricating oil ..	63,092	161,031	66,113	32,905	30,881	36,106
Fuel oil ..	152,725	114,681	178,414	111,670	273,894	259,151
Gas oil ..	165,153	72,540	130,916	59,655	4,930	1,569
Road oil, etc. ..	468	1,392	38,005	1,230	1,084	2,282
Petroleum coke ..	20,189	39,621	52,776	31,658	47,840	72,295
Paraffin wax ..	699	4,954	2,772	1,593	632	1,290
Ozokerite and ceresin ..	1,690	4,329	2,580	5,119	4,252	4,727
Petroleum jelly ..	60	66	51	40	62	131
Asphalt and bitumen ..	2,829	6,974	4,281	1,874	3,979	2,799
Germany (Federal)—						
Crude petroleum ..	1,902,839	3,154,889	3,477,072	4,488,239	5,890,764	6,998,999
Aviation and motor spirits ..	163,984	121,417	128,713	76,487	99,415	211,046
Kerosine ..	3,147	1	81	95	6,117	34,069
Gas oil ..	514,804	238,810	370,489	603,011	559,843	734,398

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)						
<i>—(cont.)</i>						
Fuel oil	63,900	77,868	130,648	172,649	576,952	1,603,757
Lubricating oil, etc. ..	11,820	21,747	24,865	56,327	70,018	107,646
Petroleum jelly	(a)	(b) 246	577	1,144	1,049	1,228
Paraffin wax	3,697	2,267	1,131	2,015	6,408	4,878
Ozokerite, etc.	166	380	341	660	918	1,131
Asphalt	3,893	4,204	2,872	4,346	7,087	6,544
Bitumen	(a)	(a)	1,007	10,345	7,051	24,983
Greece—						
Motor spirit	224,267	245,550	237,937	244,846	273,965	298,683
Kerosine	72,450	80,676	93,120	85,386	94,795	93,727
Fuel oil and diesel oil	755,710	808,212	885,169	885,742	999,891	1,076,536
Lubricating oil, etc. ..	15,807	12,616	14,789	18,239	17,287	18,752
Petroleum jelly	69	100	113	162	78	(a)
Asphalt and bitumen ..	21,520	14,985	16,810	7,046	40,271	19,971
Iceland—						
Aviation spirit	17,152	15,326	27,327	15,789	17,098	25,439
Motor spirit	24,588	16,909	24,418	37,480	36,460	30,342
Kerosine	3,170	1,883	4,782	3,185	2,110	1,917
Gas oil and fuel oil	135,769	136,107	172,464	217,518	178,480	201,701
Lubricating oil	3,245	2,919	3,419	4,053	4,122	3,617
Greases	64	123	115	150	142	170
Paraffin wax	33	95	41	51	49	26
Petroleum jelly	—	4	1	1	11	—
Asphalt	438	707	742	691	1,019	108
Italy—						
Crude petroleum	4,483,992	6,698,687	9,725,153	12,647,278	15,568,759	16,636,120
Motor spirit	21,632	34,440	17,153	9,931	36,864	74,931
Kerosine	6,366	190	15	70	70	26
Gas oil	4,546	12,735	10,758	9,159	5,938	12,428
Fuel oil	877,255	757,328	594,539	623,545	640,683	437,533
Lubricating oil	94,272	72,210	49,445	48,019	56,009	52,877
Petroleum jelly	674	2,013	598	998	1,425	1,055
Paraffin wax	20,641	12,039	13,243	18,032	15,977	14,457
Pitch	47	78	43	170	31	93
Petroleum coke	19,830	45,776	13,724	36,739	52,812	43,099
Ozokerite and ceresin ..	(a)	(a)	409	724	784	605
Asphalt etc.	450	1,241	1,106	823	1,030	1,256
Netherlands—						
Crude petroleum	4,724,254	6,070,214	6,712,660	6,787,765	9,462,479	11,457,352
Motor spirit	177,492	129,344	138,200	173,313	168,403	169,317
Kerosine	177,674	160,459	149,944	148,509	147,725	161,073
Gas oil	381,691	222,688	339,525	326,500	329,363	622,383
Fuel oil	410,625	440,916	671,922	1,137,454	1,212,160	1,426,473
Lubricating oil	88,052	91,186	63,016	82,501	197,549	201,653
Petroleum jelly	1,435	1,727	951	839	1,630	2,426
Paraffin wax	21,141	15,158	22,359	6,700	30,794	40,176
Ozokerite and ceresin ..	217	243	117	203	295	199
Asphalt, bitumen, etc.	314	473	186	731	6,418	9,041
Natural asphalt	1,088	1,147	1,023	779	1,332	1,020
Norway—						
Crude petroleum	16,053	57,433	47,651	73,471	71,691	94,914
Motor spirit	244,281	253,683	273,882	304,924	299,385	331,332
White spirit	8,609	9,520	6,462	8,592	7,235	11,623
Kerosine	37,497	47,084	50,713	77,153	94,710	98,510
Diesel oil	194,188	242,758	293,915	277,745	286,122	390,242
Gas oil	344,991	376,984	414,084	427,018	459,760	537,131
Fuel oil	531,209	769,078	873,476	955,243	993,967	895,209
Lubricating oil	28,538	32,661	23,904	27,136	31,398	28,652
Paraffin wax	1,110	2,384	1,435	1,754	2,505	2,166
Petroleum jelly	814	1,272	1,132	1,076	1,607	1,491
Pitch	3,694	5,805	3,619	5,500	6,788	8,368
Petroleum coke	27,634	36,580	40,010	37,275	37,096	44,629
Asphalt, etc.	36,784	28,228	17,293	18,403	25,310	23,802

(a) Information not available.

(b) October to December only.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
Portugal—						
Crude petroleum ..	260,431	378,276	468,304	130,082	696,130	896,108
Motor spirit ..	61,579	76,521	69,304	127,022	70,242	38,954
do. (b) ..	1,001	1,049	1,008	1,254	1,722	2,298
Kerosine ..	52,444	62,779	61,373	115,593	62,088	54,191
Aviation turbine fuel ..	—	—	—	2,984	1,815	—
Gas oil and diesel oil ..	64,369	59,506	62,146	160,890	104,594	141,002
Fuel oil ..	107,139	128,754	130,026	256,748	158,895	118,363
Gas, diesel, fuel oils (b) ..	124,448	111,529	131,168	145,933	156,265	160,115
Lubricating oil ..	10,290	20,382	16,400	14,018	17,572	19,427
do. (b) ..	1,182	1,335	1,664	1,675	1,648	1,842
Petroleum jelly ..	73	36	114	118	153	129
Paraffin wax ..	1,504	2,093	1,419	1,371	1,856	2,324
Ozokerite and ceresin ..	(a)	54	38	73	87	73
Bitumen ..	(a)	81	62	505	396	33
Natural asphalt ..	7,686	15,081	14,218	19,744	19,208	16,067
Spain—						
Crude petroleum, heavy ..	279,745	64,106	—	—	—	(a)
do. light ..	—	281,219	880,002	1,466,725	1,751,665	(a)
Motor spirit ..	401,465	426,277	365,096	177,610	219,352	(a)
Kerosine ..	21,763	10,948	12,136	23,383	53,171	(a)
Diesel oil ..	214,958	196,422	144,699	81,681	250,779	(a)
Lubricating oil ..	50,017	67,530	44,701	69,418	71,808	(a)
Fuel oil ..	370,072	403,848	290,782	76,713	207,081	(a)
Petroleum jelly ..	400	487	371	110	94	(a)
Paraffin wax ..	1,266	2,046	2,099	1,378	2,738	(a)
Asphalt ..	61,609	72,737	58,376	69,075	69,925	(a)
Sweden—						
Crude petroleum ..	888,718	1,026,558	1,164,990	1,399,000	1,712,519	1,859,062
Motor spirit ..	530,388	701,334	714,459	735,785	863,821	950,274
Kerosine ..	199,756	266,355	275,103	334,899	364,554	325,302
Fuel oil and gas oil ..	1,939,325	2,632,608	2,786,617	2,866,647	3,365,002	4,730,000
Lubricating oil ..	62,411	72,921	58,539	57,204	62,380	84,402
Petroleum jelly ..	481	535	360	400	743	677
Other oils ..	319	1,680	1,102	1,184	1,314	1,685
Paraffin wax ..	6,920	8,636	2,051	4,591	6,018	6,009
Ozokerite and ceresin ..	927	1,231	837	1,059	1,322	1,544
Asphalt ..	2,858	5,531	2,231	2,526	3,678	2,748
Pitch ..	5,174	10,384	4,748	7,928	15,603	15,175
Petroleum coke ..	5,410	6,071	4,184	8,123	8,381	7,322
Switzerland—						
Motor spirit ..	297,586	311,699	345,331	381,457	444,332	532,434
Kerosine ..	65,276	87,594	119,585	100,939	53,341	39,927
Fuel oil ..	585,666	611,409	651,906	704,229	967,199	1,140,950
Lubricating oil and grease ..	39,199	52,930	28,128	27,430	37,940	43,690
Other oils ..	91,529	90,598	101,241	114,279	126,328	149,169
Petroleum jelly ..	1,217	1,339	306	533	975	1,180
Paraffin wax and ceresin ..	4,835	3,215	1,739	2,128	3,459	3,724
Asphalt and bitumen ..	818	680	712	689	844	527
Yugoslavia—						
Crude petroleum ..	398,740	378,041	311,355	447,271	442,180	475,396
Aviation spirit ..	14,331	11,277	13,219	22,839	36,715	19,506
Motor spirit ..	39,748	25,243	3,016	31,323	23,929	14,525
Kerosine ..	(a)	(a)	(a)	1,077	3,172	—
Aviation turbine fuel ..	(a)	(a)	(a)	14,580	—	—
Fuel oils ..	20	83	(a)	7,806	2,310	—
Lubricating oil ..	16,378	18,471	14,091	17,804	11,825	4,896
Greases ..	6	—	59	31	27	113
Paraffin wax ..	1,343	1,027	833	1,015	118	1,694
Petroleum jelly ..	270	589	252	113	174	501
Bitumen ..	651	—	5,717	(a)	(a)	(a)
Petroleum coke ..	968	2,097	1,911	2,872	—	3,149

(a) Information not available.

(b) Imported for bunkering of national ships.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Algeria—						
Aviation spirit	4,517	6,517	6,452	7,099	11,297	17,550
Motor spirit	189,227	202,866	216,233	237,667	251,664	303,388
White spirit	580	564	630	878	942	1,024
Kerosine	55,501	58,394	62,897	68,329	78,860	92,718
Gas oil	125,465	143,239	169,691	189,694	216,130	255,144
Fuel oil and diesel oil	185,020	238,424	207,776	277,445	286,185	317,818
Lubricating oil	22,496	25,527	19,629	16,336	21,403	27,250
Road oil, etc.	33,470	35,857	37,892	38,001	46,904	52,078
Paraffin wax	389	605	310	376	487	410
Petroleum jelly	9	38	41	24	7	46
Ozokerite and ceresin ..	5	14	4	—	4	1
Asphalt, etc., natural ..	611	248	85	53	14	343
Mastic asphalt	2,786	3,962	3,938	4,055	5,828	4,291
Angola—						
Motor spirit	21,858	26,156	32,687	30,381	38,789	42,380
Kerosine	2,619	3,627	5,071	3,953	5,596	6,615
Gas oil and fuel oil	8,705	12,716	18,651	24,426	32,125	46,197
Lubricating oil	2,501	3,482	4,964	3,599	4,415	4,313
Belgian Congo—						
Motor spirit, etc.	103,669	121,360	134,058	170,080	189,406	207,688
Kerosine	12,520	19,524	24,042	22,285	29,249	27,214
Fuel oil, etc.	31,932	56,131	53,848	73,386	130,237	138,342
Lubricating oil and greases	7,731	14,741	21,218	13,898	19,724	21,239
Petroleum jelly	3	41	86	41	49	49
Paraffin wax	2	21	100	68	136	188
Asphalt	3,559	2,884	5,303	6,034	908	4,415
Cameroon (French)—						
Motor spirit	23,235	29,355	42,295	37,055	45,525	51,906
Kerosine	5,841	5,234	10,913	7,802	12,622	12,765
Fuel oil	10,163	10,589	17,112	14,799	15,829	18,135
Lubricating oil	1,748	2,866	5,718	1,596	2,962	3,675
Canary Islands—						
Crude petroleum				1,165,423	801,041	(a)
Motor spirit				3,017	9,431	(a)
Gas oil (b)				537,946	693,605	(a)
Fuel oil (b)				806,632	638,901	(a)
Cape Verde Islands—						
Motor spirit	(a)	321	358	292	451	473
Kerosine	(a)	377	431	421	548	650
Fuel oil (b)	(a)	360,187	355,364	435,039	712,431	469,246
Ceuta—						
Motor spirit				7,265	7,994	(a)
Kerosine				312	1,488	(a)
Gas oil (b)				169,168	143,571	(a)
Fuel oil (b)				103,666	210,939	(a)
Lubricating oil				1,639	2,008	(a)
Egypt—						
Crude petroleum	2	58,936	94,880	45,688	630,555	996,524
Motor spirit	70,584	88,714	75,406	78,330	55,360	45,601
White spirit	461	416	623	652	674	920
Kerosine	434,068	405,458	475,930	487,259	544,050	365,056
Fuel oil	362,148	473,216	377,041	246,234	571,497	676,428
Gas oil	124,215	135,821	146,255	102,064	65,133	38,316
Diesel oil	117,041	151,873	137,879	107,316	84,693	35,360
Lubricating oil	32,602	42,832	30,708	29,397	32,589	33,631
Petroleum jelly	506	441	416	524	478	621
Paraffin wax	419	1,549	731	543	841	1,055
Ozokerite and ceresin ..	45	55	43	31	75	87
Asphalt and bitumen ..	554	3,579	198	77	669	712

(a) Information not available.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Ethiopia (b)—						
Motor spirit	20,537	21,534	22,254	39,785	49,985	45,456
Kerosine	4,675	5,132	981	6,576	6,795	3,422
Gas and fuel oils	7,961	5,480	2,638	8,812	14,296	8,798
Lubricating oil and grease	1,555	1,698	2,639	4,467	5,400	7,047
French Equatorial Africa—						
Aviation spirit	5,329	13,528	12,240	8,761	11,251	17,959
Motor spirit	30,470	32,327	39,690	34,403	35,980	36,237
Kerosine	4,138	7,001	10,111	8,707	10,765	10,111
Gas oil	8,539	13,957	21,133	17,035	23,038	17,014
Fuel oil	1,888	5,782	6,831	10,171	4,535	4,518
Lubricating oil, etc.	3,539	4,950	5,823	3,361	2,915	5,542
French Somaliland—						
Motor spirit	2,718	626	3,947	9,459	845	2,246
Kerosine	725	174	1,881	882	3,323	876
Fuel oil etc.	(a)	(a)	—	—	2,814	5,716
Lubricating oil	425	95	757	315	241	253
French Togoland—						
Motor spirit	2,853	4,404	5,888	4,154	4,223	6,108
Kerosine	1,405	3,340	5,293	3,306	4,167	3,141
Fuel oil	1,282	999	2,871	2,253	3,254	4,794
Lubricating oil	255	427	457	735	368	849
French West Africa—						
Aviation spirit	39,565	28,345	20,601	9,515	35,530	19,324
Motor spirit	67,812	84,346	117,992	122,582	104,352	138,799
Kerosine	34,349	22,243	37,740	37,652	51,604	53,997
Gas oil	45,372	43,896	41,542	45,092	45,085	55,278
Diescl oil	268,295	156,489	(a)	(a)	12,339	} 86,613
Fuel oil	475,273	843,465	42,807	68,247	85,188	
Lubricating oil	37,400	23,916	13,654	12,141	10,448	16,086
Liberia—						
Aviation spirit	500	} (a)	(a)	(a)	(a)	(a)
Motor spirit	6,000			7,746	20,223	10,796
Kerosine	2,600			2,633	7,258	3,461
Diesel oil	5,900			6,249	5,588	5,577
Lubricating oil	(a)			684	619	759
Madagascar—						
Aviation spirit	4,620	9,458	3,169	3,901	5,018	5,641
Motor spirit	26,738	25,692	36,988	43,122	41,388	47,662
Kerosine	7,328	8,289	9,233	11,910	12,099	11,013
Gas oil	7,461	13,912	16,892	16,344	22,419	26,614
Fuel oils	571	552	148	3,382	2,501	2,635
Lubricating oil	3,408	3,664	6,301	5,800	2,662	3,886
Road oil, etc.	2,652	6,088	9,716	3,729	7,480	7,720
Paraffin wax	16	30	42	48	1	162
Petroleum jelly	29	11	11	11	20	11
Asphalt and bitumen	232	402	1,597	418	138	94
Melilla—						
Petroleum products	13,732	16,634	18,862	15,729	16,881	(a)
Morocco (French)—						
Aviation spirit	17,052	22,412	26,660	32,792	26,224	27,000
Motor spirit	188,694	215,770	251,440	296,712	297,696	334,000
White spirit	745	841	1,615	2,656	3,369	(a)
Kerosine	24,595	24,691	38,954	57,656	73,961	81,000
Gas oil	83,848	85,615	104,742	105,046	99,031	110,000
Fuel oil	160,808	178,792	248,638	240,204	137,609	158,000
Lubricating oil	10,644	17,209	18,415	13,916	17,388	16,500
Grease	1,135	1,395	1,867	997	892	(a)
Paraffin wax	3,574	3,744	3,924	4,269	3,856	(a)
Road oils, etc.	29,792	(a)	39,367	35,660	40,585	(a)
Asphalt	7,320	(a)	10,033	3,139	2,715	(a)

(a) Information not available.

(b) Years ended September 10.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Morocco (Spanish)—						
Motor spirit	13,039	13,414	13,249	13,739	13,111	13,790
Kerosine	2,150	2,648	2,955	3,071	3,286	3,307
Gas oil	3,801	5,663	9,193	9,877	11,546	12,799
Fuel oil	3,431	4,421	3,286	4,567	9,425	12,350
Lubricating oil	382	592	574	570	1,039	186
Grease	111	334	373	335	515	980
Asphalt	1,463	651	901	2,213	3,655	1,818
Mozambique—						
Motor spirit	22,919	24,845	26,700	28,645	27,251	30,005
Kerosine	10,323	10,146	12,856	13,337	13,754	14,498
Fuel oil	18,490	24,227	27,055	27,657	34,202	38,019
Lubricating oil	3,041	2,984	3,610	4,132	3,703	4,348
Paraffin wax	46	27	23	37	26	38
Petroleum jelly	29	41	21	20	29	28
Asphalt and bitumen (c)	1,388	2,296	2,810	1,712	3,451	3,176
Portuguese Guinea—						
Motor spirit	1,173	1,235	(a)	(a)	(a)	(a)
Kerosine	501	358	(a)	(a)	(a)	(a)
Fuel oil	360	379	(a)	(a)	(a)	(a)
Lubricating oil	97	143	(a)	(a)	(a)	(a)
Reunion—						
Motor spirit	4,232	5,753	6,335	4,413	6,924	8,889
Kerosine	1,235	1,407	2,402	753	1,297	1,829
Fuel oil etc.	2,601	3,272	3,020	1,072	3,471	2,311
Lubricating oil	(a)	654	1,308	723	629	940
S. Tome and Principe—						
Motor spirit	462	1,073	906	777	813	1,201
Kerosine	140	188	328	351	324	453
Fuel oil	170	9,809	237	145	263	339
Tunis—						
Aviation spirit	68,235	136	235	219	172	90
Motor spirit		65,185	78,891	81,985	79,978	83,402
Kerosine	27,632	32,079	29,330	34,624	34,329	36,524
Fuel oil	59,410	65,268	68,357	130,119	144,761	205,911
Gas oil	64,121	72,154	73,356	82,015	82,619	89,153
Lubricating oil	8,208	10,403	9,623	5,534	7,242	8,191
Petroleum jelly	—	—	90	38	44	6
Paraffin wax	(a)	139	(a)	50	90	79
Costa Rica (b)—						
Motor spirit	28,654	27,500	42,000	51,806	42,757	38,864
Kerosine	4,200	5,000	(a)	7,300	4,624	5,805
Diesel oil, etc.	20,793	30,600	31,000	36,208	34,964	24,248
Fuel oil	38,643	37,800	(a)	43,124	48,313	40,837
Lubricating oil	2,533	2,000	(a)	3,476	4,185	3,103
Grease	102				(a)	(a)	268	224
Petroleum jelly	111	(a)	(a)	(a)	108	85
Paraffin wax	596	(a)	(a)	(a)	1,017	1,187
Asphalt	1,514	(a)	(a)	54	1,394	3,072
Cuba (b)—						
Crude petroleum	237,782	189,450	337,324	428,708	392,187	(a)
Motor spirit	278,568	353,730	350,940	301,006	330,621	(a)
Kerosine	9	1,035	605	53	8,298	(a)
Fuel oil	1,147,848	1,208,133	1,146,258	1,109,147	985,527	(a)
Gas oil	22,247	20,632	12,385	19,473	29,635	(a)
Lubricating oil	25,861	34,558	65,212	29,591	39,019	(a)
Residual oils	32,155	—	37,441	48,877	66,042	(a)
Petroleum jelly	869	693	484	697	634	(a)
Paraffin wax	3,479	2,517	2,401	2,976	2,793	(a)
Asphalt rock	28	29	42	21	25	(a)
Other asphalt	171	143	1,015	145	178	(a)
Bitumen	—	2	3	—	1	(a)
Petroleum coke	46	2,610	184	1,594	1,799	(a)

(a) Information not available.

(c) Including coal tar and pitch.

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Dominican Republic (d)						
Motor spirit	36,682	56,744	57,694	61,530	67,215	77,987
Kerosine	6,283	9,877	8,185	8,119	8,258	12,316
Fuel oil	58,522	33,256	104,318	109,580	102,786	178,164
Lubricating oil	2,636	4,378	7,066	5,064	5,654	7,227
Other oils	2,363	2,369	12,060	11,433	14,721	18,245
French West Indies—						
Guadeloupe—						
Motor spirit	10,002	10,246	10,681	12,437	13,887	} 27,437
Kerosine	3,913	3,405	3,787	4,181	4,386	
Fuel oil and lubricating oil	5,725	9,416	6,402	5,567	5,494	
Martinique—						
Motor spirit	8,857	10,028	11,399	11,392	13,321	13,910
Kerosine	1,919	4,620	4,585	5,374	6,266	9,195
Gas and fuel oil	7,389	11,282	12,733	13,171	11,092	13,192
Lubricating oil	(a)	(a)	1,068	636	933	1,062
Greenland—						
Motor spirit	} (a)	(a)	(a)	(a)	1,158	703
Kerosine					1,213	942
Fuel oil					8,124	36,205
Lubricating oil					286	298
Guatemala (d)						
Crude petroleum, etc.	194,991	166,296	133,042	134,006	143,289	170,294
Aviation spirit	5,678	7,880	5,731	8,437	4,918	6,731
Motor spirit	39,010	35,244	52,909	55,997	62,779	77,645
Kerosine	6,943	9,337	11,117	9,676	13,039	13,844
Diesel oil	19,145	19,782	65,497	21,459	25,291	31,648
Fuel oil	1,057	1,363	1,769	1,796	2,651	3,138
Lubricating oil	2,353	4,172	2,450	3,623	4,557	4,528
Grease	217	231	268	314	349	397
Asphalt	14,449	2,234	8,292	5,986	4,057	18,074
Paraffin wax, etc.	2,036	2,303	2,081	2,845	3,396	2,843
Haiti (b)						
Motor spirit	16,465	18,276	21,015	27,023	22,967	19,634
Kerosine	2,559	2,911	3,006	3,995	4,037	2,462
Fuel oil, etc.	15,933	15,093	10,622	13,075	16,448	6,721
Lubricating oil	757	(a)	(a)	(a)	(a)	(a)
Honduras (c)						
Motor spirit	16,600	21,000	24,746	100,231	90,386	(a)
Kerosine, etc.	1,100	1,700	(a)	2,163	2,386	(a)
Fuel oil	126,300	140,000	136,995	61,505	37,763	(a)
Lubricating oil	1,540	2,000	1,930	2,118	9,847	(a)
Mexico (total imports)						
Motor spirit	142,680	111,776	172,817	263,835	343,203	475,364
Kerosine	6,664	1,452	1,683	5,048	77,121	166,077
Gas oil	18,103	11,515	13,090	17,963	177,790	325,509
Fuel oil	117,204	52,474	201,665	369,351	399,939	430,073
Lubricating oil	58,685	61,479	69,929	66,516	98,744	40,795
Grease	4,894	3,871	4,644	3,479	4,926	5,256
Paraffin wax	30,856	25,544	34,638	39,316	43,744	37,044
Petroleum jelly	1,023	1,851	463	881	665	1,010
Asphalt	6,342	4,854	10,243	9,734	2,877	1,820
Asphalt rock	325	340	1,062	980	5,460	8,173
Natural gas (<i>million cu. ft.</i>)	22,678	19,419	18,843	19,060	22,845	19,713
Netherlands West Indies—						
Crude petroleum	41,513,562	44,748,735	43,294,703	39,904,781	41,167,428	42,156,899
Aviation spirit	202,218	222,854	214,715	} 640,721	180,447	139,542
Motor spirit	4,652	194,054	373,604		} 640,183	640,183	948,651
Kerosine	11,121	37,092	5,043	6,291		11,792	1,327

(a) Information not available.

(b) Years ended September 30.

(c) Years ended June 30 of year stated.

(d) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands West Indies						
— <i>(cont.)</i>						
Fuel oil	1,958,553	1,826,618	1,870,936	2,467,685	2,175,525	2,461,784
Diesel oil	27,456	142	30,195	55,758	32,752	263,212
Gas oil	33,605	409,208	1,068,875	768,652	298,290	165,650
Lubricating oil	5,405	6,482	6,266	4,391	723	2,728
Asphalt	36	143	355	3,009	66	(a)
Nicaragua (b)—						
Aviation spirit	7,132	6,126	4,490	4,549	5,360	} 43,822
Motor spirit	11,046	17,842	20,502	26,448	31,601	
Kerosine	4,642	6,076	6,636	9,124	12,004	16,337
Fuel oil	39,035	33,892	54,625	50,976	51,210	65,424
Lubricating oil	1,610	2,535	2,759	2,373	3,355	5,352
Paraffin wax	225	384	303	477	473	} 751
Petroleum jelly	30	46	134	68	83	
Panama Republic (total imports)—						
Motor spirit	50,802	56,298	63,250	65,068	71,538	75,000
Kerosine	13,440	13,126	15,705	15,481	19,269	19,000
Diesel oil	22,291	23,742	34,133	27,944	27,963	37,000
Fuel oil	79,456	96,316	118,891	122,368	91,772	102,000
Lubricating oil	2,294	2,240	2,653	2,681	2,565	3,000
Asphalt	900	4,081	1,113	944	1,313	(a)
St. Pierre and Miquelon—						
Motor spirit	408	479	454	2,496	} 3,000	5,546
Gas oil and fuel oil	361	464	802	15		
Salvador—						
Motor spirit	30,850	37,641	43,402	48,618	52,883	58,951
Kerosine	4,843	6,470	9,309	12,738	14,176	15,149
Gas oil and diesel oil	10,899	13,864	16,821	17,112	16,233	13,766
Fuel oil	42,350	48,338	58,465	53,239	61,862	54,154
Lubricating oil	1,146	(a)	1,947	1,929	2,939	} 2,795
Grease	152	119	244	323	331	
Paraffin wax, etc.	27	922	663	826	816	756
Asphalt	904	1,418	1,719	3,414	3,556	3,217
United States—						
Crude petroleum	24,676,627	25,353,445	29,643,665	33,287,299	34,602,109	42,039,971
Aviation spirit	2	—	13,198	2,244	147	453
Motor spirit, etc.	22,661	46,143	191,968	56,833	135,453	575,709
Naphtha	3,470	9,092	11,171	8,286	4,708	6,863
Kerosine	34,329	23	3,637	2	2	5,626
Fuel oil	17,872,337	17,766,055	19,270,969	20,356,664	19,291,221	22,715,425
Gas oil and diesel oil	381,996	394,453	489,980	680,179	594,961	692,313
Unfinished distillates and topped oils	1,051,685	737,116	441,113	281,784	1,138,077	929,604
Lubricating oil, etc.	105	37	112	68	203	113
Road oil, etc.	12,785	17,699	12,512	8,456	9,126	1,875
Paraffin wax, etc.	85	27	1	130	434	39
Ozokerite and ceresin	47	36	220	175	406	632
Petroleum jelly	—	1	3	4	—	1
Asphalt (petroleum)	275,856	377,094	427,511	401,977	553,331	537,708
Asphalt and bitumen (natural)	5,235	5,629	3,751	2,410	3,789	4,454
Natural gas (million cu. ft.)	—	—	6,886	9,329	7,683	10,894
Argentina—						
Crude petroleum	2,907,027	2,773,100	2,965,759	3,542,521	3,586,421	3,655,060
Motor spirit	116,721	32,000	39,903	47,745	47,720	63,979
Kerosine	7,652	(a)	25,861	9,055	20,133	158,645
Gas oil	11,074	(a)	71,317	86,009	211,073	381,824
Fuel oil	2,017,203	2,705,977	2,927,129	2,046,758	2,038,995	2,535,897
Diesel oil	61,743	45,077	96,655	150,692	106,435	148,977
Lubricating oil	42,949	41,325	49,741	64,067	40,600	38,590

(a) Information not available.

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Bolivia—						
Crude petroleum, etc.	56,755	68,519	83,558	71,423	10,619	(a)
Aviation spirit	4,673	5,754	4,384	7,000	11,969	(a)
Motor spirit	5,185	8,140	6,664	18,576	29,006	(a)
Kerosine	233	309	283	5,964	2,213	(a)
Lubricating oil and grease	2,454	4,968	4,606	4,006	2,780	(a)
Paraffin wax	1,038	2,003	1,223	1,042	1,598	(a)
Tar, pitch, etc.	242	415	1,510	88	116	(a)
Brazil (total imports)—						
Crude petroleum	58,000	19,294	17,470	29,903	140,150	504,953
Aviation spirit	(a)	177,585	186,566	194,974	214,420	224,442
Motor spirit	1,592,454	1,767,273	2,182,130	2,196,099	2,369,613	927,369
White spirit	(a)	(a)	(a)	15,972	25,529	14,403
Kerosine	232,748	276,101	347,293	401,647	529,975	537,852
Diesel oil	565,000	669,822	856,493	1,026,709	1,209,787	1,047,417
Fuel oil	1,703,000	2,037,006	2,274,067	1,412,125	2,000,715	2,156,839
Lubricating oil	113,701	180,534	146,201	159,634	205,164	195,931
Transformer oil	(a)	5,684	1,772	873	2,664	771
Petroleum jelly	(a)	2,606	510	225	2,863	1,043
Greases	(a)	813	594	149	379	177
Paraffin wax	(a)	10,468	6,468	4,120	15,117	7,029
Asphalt and bitumen	53,037	81,348	26,295	24,491	34,947	3,761
Chile—						
Aviation spirit	7,473	5,377	3,143	15,573	14,875	(b) 33,792
Motor spirit	214,855	241,756	263,610	265,682	312,149	(b) 243,387
Kerosine	38,266	55,034	64,266	73,100	136,500	(b) 145,280
Diesel oil	86,497	130,335	101,333	116,571	206,700	(b) 154,324
Fuel oil	(a)	781,000	(a)	(a)	(a)	(a)
Residual fuel oil	488,099	890,566	666,037	788,010	902,500	(b) 866,889
Lubricating oil	17,740	32,174	26,477	22,657	25,340	(a)
Petroleum jelly	30	304	270	874	(a)	(a)
Greases	771	1,639	1,432	927	878	(b) 951
Paraffin wax	5,739	7,947	8,726	6,033	6,360	(b) 2,108
Asphalt, natural	678	3,337	777	1,141	(a)	(a)
Colombia (total imports)—						
Aviation spirit	32,000	38,746	43,044	49,015	55,840	38,472
Motor spirit	123,000	161,164	193,414	303,121	371,160	267,813
Kerosine	(a)	25,097	34,928	58,963	95,281	62,395
Gas oil and diesel oil	40,000	15,882	10,469	15,038	74,286	65,324
Fuel oils		37,227	44,707	56,847	11,093	12,089
Lubricating oil	1,260	11,656	16,518	15,100	25,430	28,911
Petroleum jelly	(a)	241	289	297	407	432
Paraffin wax	(a)	11,319	16,051	21,986	23,387	23,733
Asphalt, natural	(a)	145	3,276	8,802	11,288	5,069
Dutch Guiana—						
Motor spirit	5,793	6,356	7,229	7,775	8,117	9,097
Kerosine	2,144	2,442	2,613	3,205	3,162	3,605
Gas oil	5,100	3,778	5,102	3,908	7,948	5,857
Diesel oil	8,776	13,279	14,946	17,569	17,111	18,694
Fuel oil	34,498	54,597	53,899	68,219	68,767	61,342
Lubricating oil	1,473	1,139	1,341	1,102	1,480	1,241
Greases	10	51	197	205	165	269
Paraffin wax	11	6	7	6	5	6
Asphalt	401	674	1,058	1,417	929	970
Ecuador—						
Aviation spirit	3,141	(a)	(a)	(a)	7,863	(a)
Motor spirit	4,314	10,100	19,461	16,109	20,323	(a)
Lubricating oil and greases	2,305	2,057	2,722	2,013	4,760	(a)
Petroleum jelly	(a)	34	63	58	80	(a)
Paraffin wax	(a)	1,944	1,820	2,371	2,726	(a)
Natural asphalt	(a)	2,050	2,138	1,108	4,316	(a)

(a) Information not available.

(b) January to November only.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
French Guiana—						
Motor spirit	772	} 3,799	{ 5,205	4,162	} 6,204	5,707
Kerosine	373					
Fuel oil, etc.	804					
Paraguay—						
Motor spirit	14,000	9,500	18,800	(a)	(a)	(a)
Kerosine	3,500	3,200	6,000	(a)	(a)	(a)
Fuel oil, etc.	2,600	2,300	5,500	(a)	(a)	(a)
Lubricating oil	1,100	600	1,800	(a)	(a)	(a)
Peru—						
Aviation spirit	30,266	50,784	29,493	29,901	44,859	52,080
Kerosine	—	—	16	7	—	407
Lubricating oil	6,548	8,456	10,315	10,768	13,018	12,352
Petroleum jelly	46	109	74	91	86	105
Paraffin wax	3,963	1,917	4,193	4,099	4,460	5,320
Asphalt and bitumen	69	21	16	11	23	43
Greases	5	635	704	727	813	960
Ozokerite	—	10	1	1	6	2
Uruguay—						
Crude petroleum	325,189	878,104	1,040,000	1,185,000	1,274,981	1,216,000
Motor spirit, etc.	30,059	18,800	21,100	6,600	3,700	30,000
Kerosine	—	—	1,500	—	(a)	56,000
Gas oil	—	—	16	3,341	9,200	5,000
Diesel oil	4,306	3,440	32,400	11,900	19,600	14,000
Fuel oil	438	38,717	132,200	21,000	29,300	74,000
Lubricating oil and greases	9,367	15,452	11,581	10,306	16,689	12,000
Paraffin wax	406	—	83	470	(a)	(a)
Venezuela (total imports)						
Motor spirit	36,012	40,607	36,550	55,003	58,483	62,862
White spirit	8	7	72	25	5,235	27
Gas oil	117	—	1	—	16,619	(a)
Fuel oil	—	1	2	6	6,002	(a)
Lubricating oil	35,431	44,601	42,457	39,554	47,757	48,230
Paraffin wax	4,842	4,558	5,146	4,045	3,630	2,835
Petroleum jelly	204	157	114	2,925	170	121
Asphalt, bitumen, etc.	(a)	(a)	15,523	694	1,845	2,398
Afghanistan—						
Motor spirit	(a)	(a)	(a)	(a)	(a)	(a)
Kerosine	(a)	(a)	(a)	(a)	(a)	(a)
Diesel oil	(a)	(a)	(a)	(a)	(a)	(a)
Lubricating oil	(a)	(a)	(a)	(a)	(a)	(a)
Burma (total imports)—						
Motor spirit	(a)	(a)	(a)	49,450	7,605	75,270
Kerosine	(a)	(a)	(a)	12,475	5,202	17,737
Gas and diesel oils	(a)	(a)	(a)	49,452	6,313	44,731
Lubricating oil	(a)	(a)	(a)	8,331	8,681	10,148
Greases	(a)	(a)	(a)	245	414	(a)
Paraffin wax	(a)	(a)	(a)	4,445	864	200
Asphalt	(a)	(a)	(a)	8,695	8,311	51,695
Formosa—						
Motor spirit	244	14,417	6,870	46,312	25,768	1,346
Fuel oil (incl. crude)	84,762	80,938	(a)	281,798	148,607	750,029
Lubricating oil	3,309	5,528	9,398	5,921	8,456	12,985
Grease	1,492	348	587	199	467	276
Petroleum jelly	(a)	(a)	161	50	58	(a)
Paraffin wax	489	451	1,497	636	1,685	660
Asphalt	1,488	111	568	650	377	585

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955		
FOREIGN COUNTRIES								
<i>(cont.)</i>								
Indo-China—								
Aviation spirit	} 68,769	11,900	20,304	27,487	} 165,198	(a)		
Motor spirit		74,174	105,193	124,764		(a)		
White spirit		1,676	1,627	387		(a)		
Kerosine		23,449	26,549	37,311		41,453	48,119	(a)
Gas oil		7,010	9,982	13,771		17,795	} 168,061	(a)
Fuel oil		19,595	45,541	75,873		123,893		
Lubricating oil		5,226	4,496	9,674		9,440		
Grease		(a)	288	568		491	} 10,493	(a)
Petroleum jelly		(a)	116	108		209		(a)
Asphalt and bitumen ..	7,950	12,015	18,901	16,749	15,582	(a)		
Indonesia—								
Crude petroleum	1,549,754	1,471,762	2,175,907	2,242,607	2,097,393	1,247,019		
Motor spirit	2,499	31,520	1,462	12,234	7,337	104,616		
Kerosine	3,894	775	6,405	8,175	1,052	145		
Fuel and gas oils	3,643	1,513	17,850	13,105	2,756	9,735		
Lubricating oil	31,373	28,724	40,419	35,970	33,832	48,021		
Paraffin wax	243	84	135	127	426	618		
Petroleum jelly	781	697	923	1,255	981	1,794		
Asphalt	24,093	1,033	26,834	24,306	11,942	16,269		
Iran (b)—								
Motor spirit	(a)	149	—	—	—	(a)		
Kerosine	(a)	3,181	15	—	—	(a)		
Fuel oil	170	405	46	157	453	(a)		
Lubricating oil	3,628	5,579	4,037	7,086	4,348	(a)		
Paraffin wax	(a)	467	433	707	650	(a)		
Petroleum jelly	206	276	123	195	261	(a)		
Iraq—								
Crude petroleum (c) ..	192,907	106,917	11,607	—	1,245	(a)		
Motor spirit	25,279	28,087	4,228	703	901	(a)		
Kerosine	53,980	27,150	219	465	783	(a)		
Lubricating oil	8,887	12,743	19,190	13,122	11,929	(a)		
Greases	118	207	629	175	129	(a)		
Asphalt and bitumen ..	183	190	4,509	16,022	2,448	(a)		
Israel—								
Crude petroleum	192,966	696,000	862,480	9,198	9,402	13,442		
Aviation spirit	9,373	16,198	10,777	3,038	3,389	(a)		
Motor spirit	115,088	50,000	25,770	162,575	160,565	193,503		
Kerosine	67,566	14,200	30,637	132,433	130,967	134,246		
Fuel oils	325,524	85,800	164,918	663,932	745,707	848,084		
Lubricating oils	8,245	12,049	8,647	6,361	5,913	7,382		
Paraffin wax	437	777	430	522	1,355	530		
Petroleum jelly	14	167	228	—	—	16		
Asphalt	23,814	4,702	1,236	730	514	622		
Turpentine substitute ..	208	459	90	252	161	314		
Japan—								
Crude petroleum	1,213,847	2,442,003	3,581,861	4,995,017	6,250,682	7,164,330		
Aviation spirit	—	3,400	—	58,289	29,020	65,866		
Motor spirit	30,254	31,183	101,809	212,141	281,613	180,656		
Kerosine	4,134	41	59	3,273	21,937	31,125		
Gas oil	119,437	129,576	19,904	79,971	68,688	186,427		
Fuel oil	409,875	890,594	1,017,985	2,547,581	2,265,661	2,840,658		
Lubricating oil	33,196	7,214	28,201	31,549	38,469	26,321		
Grease	936	591	1,318	1,396	1,315	973		
Petroleum jelly	487	2,451	569	1,528	1,725	1,354		
Paraffin wax	967	5,573	4,073	2,165	656	820		
Gilsonite	881	1,345	545	1,304	1,651	1,260		
Asphalt and pitch	18	199	1,020	1,467	505	886		
Petroleum coke	67,407	238,976	284,225	191,613	112,153	123,970		

(a) Information not available.

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

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Jordan—						
Motor spirit	21,341	} (a)	(a)	{ 21,357	24,539	(a)
Kerosine	24,058					
Diesel oil, etc. ..	9,531					
Lubricating oil ..	1,223					
Petroleum jelly ..	1,230					
Lebanon—						
Crude petroleum ..	483,553	568,510	549,031	535,872	537,048	899,703
Motor spirit	57,280	82,570	94,780	104,439	116,309	118,428
Kerosine	25,490	25,190	34,050	36,487	35,546	37,133
Fuel oil	115,250	128,140	134,280	(a)	177,815	239,692
Lubricating oil ..	(a)	(a)	(a)	(a)	4,521	5,223
Philippine Republic—						
Aviation spirit ..	} 463,464	{ 20,442	20,921	19,353	19,614	21,453
Motor spirit						
Kerosine						
Diesel oils						
Fuel oil						
Lubricating oils ..						
Grease						
Petroleum jelly ..						
Paraffin wax						
Asphalt						
Portuguese India—						
Motor spirit	1,870	3,733	4,756	(a)	(a)	(a)
Kerosine	3,425	2,919	3,811	(a)	(a)	(a)
Lubricating oils ..	267	259	545	(a)	(a)	(a)
Other oils	3,039	1,825	4,622	(a)	(a)	(a)
Siam (total imports)—						
Motor spirit	86,626	111,992	(a)	147,859	58,195	(a)
Kerosine	50,653	52,801	(a)	75,031	4,707	(a)
Gas, diesel, fuel oils	(a)	(a)	(a)	243,622	39,705	(a)
Lubricating oil ..	(a)	(a)	(a)	(a)	18,963	(a)
Syria—						
Motor spirit	74,700	68,108	78,284	81,716	91,131	81,941
Kerosine	45,455	46,998	47,131	50,015	56,124	55,480
Fuel oil and diesel oil	115,140	121,219	217,963	255,562	322,999	354,396
Lubricating oil ..	6,536	6,573	5,445	7,088	7,221	10,707
Natural asphalt ..	1,125	3,997	1,870	849	984	(a)
Turkey—						
Motor spirit	192,568	241,227	276,246	324,189	298,603	288,105
Kerosine	122,956	168,315	199,326	224,165	235,688	229,605
Gas and diesel oils ..	103,127	148,846	215,474	297,707	315,030	348,698
Fuel oil	47,215	48,781	58,731	33,228	27,793	24,359
Heavy oils	24,201	34,906	44,472	57,453	52,440	50,790
Paraffin wax and petroleum jelly ..	458	1,724	762	825	1,518	1,438
Ozokerite and ceresin ..	18	16	66	46	45	82
Asphalt	(a)	7,717	9,674	5,886	16,387	9,766
French Oceania—						
Motor spirit	} 7,659	7,156	{ 3,139	2,597	9,006	{ 3,453
Kerosine						
Other oils						
New Caledonia—						
Motor spirit	2,716	6,795	8,266	9,685	8,544	10,331
Kerosine	867	2,040	2,291	2,185	2,496	2,684
Gas and fuel oils ..	119	6,364	5,615	6,094	7,735	14,347
Lubricating oil, etc. ..	377	46	827	628	893	857

(a) Information not available.

PHOSPHATES
PRODUCTION OF PHOSPHATE-ROCK
(Including Apatite)
(Long tons)

Producing Country	Estimated Tribasic Phosphate of Lime Content or equivalent.											
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES												
Seychelles (b) (c) ..	9,691	4,404	10,944	8,719	11,676	785	(a)	(a)	(a)	(a)	(a)	(a)
Somaland Protectorate (b) (c) ..	303	680	521	358	—	239	120	260	210	140	—	90
Southern Rhodesia ..	36	—	—	—	—	—	(a)	(a)	(a)	(a)	(a)	(a)
South West Africa (b) ..	571	772	1,648	1,579	811	—	(a)	(a)	(a)	(a)	(a)	(a)
Tanganyika (e) ..	460	452	166	98	60	103	250	240	90	50	30	50
Uganda (apatite) ..	—	2,207	4,931	5,363	2,967	3,160	(a)	(a)	(a)	2,700	1,500	1,600
Union of South Africa ..	51,025	80,548	95,044	78,860	93,008	133,721	17,900	28,200	33,300	27,600	32,600	46,900
Canada ..	115	5	—	—	—	—	(a)	(a)	(a)	(a)	(a)	(a)
Christmas Island (c) ..	315,361	333,343	349,158	280,192	350,960	390,226	268,000	283,000	297,000	238,000	298,000	332,000
India (apatite) ..	3,025	416	445	4,359	2,292	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Sarawak (guano) ..	643	649	696	632	620	402	(a)	(a)	(a)	(a)	(a)	(a)
Australia ..	1,627	7,929	5,544	3,368	6,120	6,371	(a)	(a)	(a)	(a)	(a)	(a)
Nauru Island (c) ..	1,053,450	928,050	1,145,650	1,159,750	1,178,150	1,401,250	906,000	798,000	986,000	998,000	1,013,000	1,205,000
Ocean Island (c) ..	247,250	252,400	275,600	282,362	292,200	308,850	212,000	217,000	238,000	243,000	251,000	266,000
TOTAL ..	1,683,000	1,611,000	1,890,000	1,830,000	1,939,000	2,248,000						
FOREIGN COUNTRIES												
Belgium (f) ..	49,990	119,872	85,885	54,958	34,716	19,290	(a)	(a)	(a)	(a)	(a)	(a)
France (f) ..	91,279	110,502	100,136	86,000	116,510	80,000	51,000	47,700	(a)	20,500	14,000	10,000
Spain ..	23,700	22,469	23,103	21,516	21,873	22,971	15,400	14,600	15,000	14,000	14,000	14,900
Sweden (apatite) ..	2,012	8,871	21,084	8,634	—	—	1,267	2,856	10,497	3,804	—	—
U.S.S.R. (d) ..	2,500,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	1,600,000	1,760,000	1,760,000	1,760,000	1,760,000	1,760,000

(a) Information not available.

(b) Phosphatic guano.

(c) Exports.

(d) Estimated by International Superphosphate Manufacturers' Association up to 1952.

(e) Bat guano.

(f) Including Phosphatic chalk.

PRODUCTION OF PHOSPHATE-ROCK (cont.)

Producing Country	Estimated Tribasic Phosphate of Lime Content or equivalent.											
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES												
Algeria	666,400	764,300	691,491	608,950	746,000	740,000	433,000	482,000	436,000	384,000	470,000	474,000
Egypt	390,934	492,956	518,878	476,480	526,245	636,466	254,000	306,000	319,000	295,000	326,000	395,000
French West Africa (e)	—	797	21,060	45,096	5,400	8,300	—	600	16,200	35,500	4,200	6,400
Madagascar	(a)	(a)	1,284	1,531	1,321	1,827	(a)	(a)	(a)	(a)	(a)	1,640
Morocco (French)	3,811,084	4,642,300	3,890,700	4,090,366	4,940,200	5,240,000	2,743,000	3,342,000	2,802,000	2,945,000	3,557,000	3,935,000
Tunis	1,500,700	1,652,400	2,228,890	1,691,388	1,794,563	2,165,987	975,000	1,074,000	1,449,000	1,099,000	1,167,000	1,408,000
Netherlands West Indies	90,500	105,214	99,547	88,644	b 123,959	b 108,754	67,000	78,000	74,000	65,000	91,000	80,000
United States	11,114,159	10,775,052	11,400,000	12,505,850	13,821,100	12,265,248	7,790,000	7,441,000	8,100,000	8,712,000	9,700,000	8,492,000
Brazil (d)	12,000	12,500	12,500	12,500	15,000	15,000	7,000	7,000	7,000	7,000	8,500	8,500
Chile (apatite)	45,730	36,595	12,110	58,241	(d) 54,000	(d) 54,000	27,800	22,800	7,400	32,300	33,000	33,000
China (d)	20,000	20,000	20,000	26,000	36,980	40,000	14,000	14,000	14,000	18,000	26,000	49,000
Israel	(a)	(a)	(a)	22,735	56,572	70,705	(a)	(a)	(a)	14,000	35,000	44,000
Japan	254	141	—	—	—	—	(a)	(a)	—	—	—	—
Jordan	(a)	(c) 10,000	(c) 25,000	40,000	73,666	161,014	(a)	7,000	18,000	29,000	54,000	118,000
Angaur Island	b 149,841	b 142,161	82,580	96,845	93,846	76,882	101,000	95,000	56,000	66,000	63,000	52,000
French Oceania (Makatea)	266,027	248,000	263,000	271,500	290,000	221,000	218,000	203,000	216,000	223,000	238,000	181,000
TOTAL	20,830,000	21,910,000	22,240,000	22,900,000	25,490,000	24,680,000	—	—	—	—	—	—
WORLD'S TOTAL	22,520,000	23,520,000	24,130,000	24,730,000	27,430,000	26,930,000	—	—	—	—	—	—

(a) Information not available.

(b) Exports.

(c) Estimated.

(d) Estimated by International Superphosphate Manufacturers' Association.

(e) In addition, the following amounts of aluminum phosphates were produced (long tons):—1950—11,722; 1951—24,113; 1952—42,469; 1953—51,598; 1954—72,000; 1955—102,802.

PRODUCTION OF SUPERPHOSPHATES†
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom	1,048,188	782,058	770,547	1,007,762	873,068	870,541
Union of South Africa*	517,857	399,302	424,859	511,246	496,118	545,811
Canada	(e) 220,000	(e) 210,000	(e) 205,000	179,962	194,858	184,286
India	51,708	61,018	46,650	47,674	102,631	71,916
Australia (c)	1,483,458	1,547,823	1,597,080	1,581,001	1,771,277	1,956,735
New Zealand (d)	635,955	565,803	598,899	680,497	878,700	947,002
Irish Republic	162,255	160,199	121,121	169,210	170,144	166,535
FOREIGN COUNTRIES						
Belgium	366,817	394,946	218,768	157,572	276,012	222,986
Czechoslovakia*	(e) 250,000	(e) 230,000	(a)	(a)	(a)	(a)
Denmark	410,787	431,550	400,910	433,393	422,470	350,971
Finland (b)	225,831	235,914	278,776	304,300	289,717	256,010
France	1,175,813	1,243,360	846,262	916,800	1,053,700	1,055,900
Germany*	650,000	650,000	(g) 564,732	(g) 501,222	(g) 434,851	(g) 349,145
Greece*	70,666	152,308	128,025	117,033	197,309	222,007
Hungary*	(e) 40,000	(e) 75,000	(e) 60,000	(a)	(a)	(a)
Italy	1,424,240	1,579,029	1,614,060	1,781,166	1,988,750	2,002,200
Netherlands	869,588	863,544	394,607	574,900	689,314	689,911
Norway	65,146	74,256	76,481	90,640	121,595	91,489
Poland	(f) 382,183	(e) 270,000	(e) 250,000	418,600	487,700	530,800
Portugal	308,783	390,998	349,032	372,533	363,525	428,165
Roumania	4,700	9,100	17,800	18,300	(a)	(a)
Spain	948,353	1,094,646	1,245,316	1,271,472	1,433,428	1,433,859
Sweden	464,595	494,281	490,062	517,398	574,865	595,093
Switzerland	(e) 18,000	15,800	12,900	9,400	9,488	15,600
U.S.S.R. (e)	2,500,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Yugoslavia (e)	25,000	30,000	30,000	30,000	30,000	30,000
Canary Islands	16,000	15,956	22,000	22,404	20,786	21,942
Egypt	67,634	87,088	104,160	95,393	148,067	134,886
Algeria	83,756	108,072	100,033	92,797	129,029	116,473
Morocco (French)	68,900	82,700	77,400	75,800	94,428	89,000
Tunis	48,800	53,199	51,890	29,674	96,321	116,695
Cuba*	25,000	30,000	27,000	26,000	30,000	30,000
Mexico*	(e) 16,000	21,000	57,600	75,000	64,993	64,600
United States*	9,720,537	9,497,770	10,869,735	10,652,093	10,573,051	11,460,810
Argentina*	5,000	5,000	5,000	5,000	5,000	5,000
Brazil*	26,000	71,000	(e) 72,000	(e) 72,000	(e) 72,000	(e) 75,000
Colombia*	4,000	2,000	2,000	2,000	2,000	2,000
Uruguay*	2,000	4,000	4,000	4,000	4,000	5,000
Formosa	37,200	53,296	61,084	68,053	76,816	78,922
Israel*	10,198	11,283	24,051	34,411	75,353	99,694
Japan	1,385,759	1,481,813	1,333,899	1,490,541	1,824,234	1,921,187
Turkey	12,926	18,518	20,899	21,653	20,252	17,901
WORLD'S TOTAL	25,846,000	26,485,000	26,800,000	27,300,000	29,400,000	30,600,000

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

*Source: International Superphosphate Manufacturers' Association.

(a) Information not available.

(b) Including "Kotka" phosphate.

(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) Estimated.

(f) Including bone meal.

(g) Federal Republic only.

PRODUCTION OF BASIC SLAG
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain (b) ..	658,908	622,195	466,805	600,782	540,833	483,300
FOREIGN COUNTRIES						
France	1,150,106	1,287,372	1,435,397	1,297,230	1,376,912	1,679,445
Germany (Federal) ..	1,339,000	1,442,000	1,780,000	1,613,000	1,796,000	2,324,000
Italy	(a)	(a)	32,398	42,693	56,365	63,200
Luxemburg	488,000	597,000	565,581	507,400	551,933	673,136
Saar	275,662	401,081	425,668	399,492	440,627	503,933
Sweden	15,911	14,275	11,364	14,048	14,103	(a)

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

(a) Information not available.

(b) Estimated amount ground and used as fertilizers during the years ended June 30 of that stated.

EXPORTS OF PHOSPHATES, Etc.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Superphosphates ..	3,186	1,564	1,139	1,353	1,104	339
Other phosphatic fertilizers ..	(a)	(a)	(a)	1,683	1,516	2,155
Seychelles—						
Phosphatic guano ..	9,691	4,404	10,944	8,719	11,676	785
Somaliland Protectorate—						
Phosphatic guano ..	303	680	521	358	—	239
South West Africa—						
Phosphatic guano ..	568	772	1,633	1,579	582	1,471
Uganda—						
Phosphates ..	—	2,207	4,931	5,363	2,967	3,160
Union of South Africa—						
Superphosphates ..	27,989	21,729	32,172	36,770	(a)	(a)
Canada—						
Phosphatic fertilizer ..	108,224	127,276	134,148	157,986	171,503	(a)
Christmas Island (b)—						
Phosphate-rock ..	315,361	333,343	349,158	280,192	350,960	390,226
Hong Kong (c)—						
Superphosphates, basic slag, etc. ..	(a)	(a)	(a)	2,044	—	—
Malaya (c)—						
Phosphatic fertilizers ..	73	94	249	114	116	32
Australia (d) (e)—						
Superphosphates ..	1,237	1,060	990	1,298	1,605	2,137
New Zealand—						
Superphosphates ..	1	2	5	5	18	37
Nauru Island—						
Phosphate-rock ..	1,053,450	928,050	1,145,650	1,159,750	1,178,150	1,401,250
Ocean Island—						
Phosphate-rock ..	247,250	252,400	275,600	282,362	292,200	308,850
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Phosphate-rock ..	9,609	6,579	35,279	2,546	7,003	71
Superphosphates ..	329,202	323,484	183,851	137,343	136,759	97,205
Di-calcium phosphate ..	50,720	80,210	67,729	101,336	107,143	133,560
Basic slag ..	818,302	1,094,598	938,073	961,838	1,081,764	1,184,450
Denmark—						
Superphosphates ..	12,031	7,928	46	81	—	—
France—						
Phosphate-rock ..	599	2,816	2,744	849	314	1,353
Superphosphates ..	118,577	122,842	61,151	25,331	21,705	22,019
Basic slag ..	334,492	235,241	297,527	295,457	281,485	301,841
Di-calcium phosphates	689	833	262	4,211	4,093	824
Germany (Federal)—						
Phosphate-rock ..	—	3,445	—	—	—	1
Superphosphates ..	7,374	16,491	18,375	28,967	21,005	11,142
Basic slag ..	(a)	—	103	45,308	44,612	121,009
Italy—						
Superphosphates, including bone superphosphates ..	54,778	15,840	105,238	75,717	108,352	70,507

(a) Information not available.

(b) Including exports to Federation of Malaya.

(c) Including re-exports.

(d) Years ended June 30 of that stated.

(e) Revised.

EXPORTS OF PHOSPHATES, Etc. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Superphosphates ..	468,995	464,120	377,725	267,471	278,419	305,535
Basic slag	—	—	—	—	63	3
Portugal—						
Superphosphates ..	51,512	52,236	17,627	16,189	21,428	12,958
Spain—						
Superphosphates, etc.	29,222	88,439	24,917	23,982	241	234
Sweden—						
Phosphate-rock ..	—	—	—	—	—	—
Basic slag	—	—	2,461	—	10,296	9,767
U.S.S.R.—						
Apatite	} (c)	(c)	(c)	(c)	(c)	(c)
Other phosphate-rock						
Algeria—						
Phosphate-rock ..	598,188	684,414	592,279	530,277	676,673	711,706
Superphosphates ..	7,087	18,423	7,781	16,743	9,367	4,742
Egypt—						
Phosphate-rock ..	492,000	369,260	416,128	373,128	388,839	414,304
French West Africa—						
Phosphate rock ..	—	—	5,383	17,745	14,980	12,942
Aluminium phosphates	9,385	30,215	38,266	63,334	57,736	74,111
Morocco (French)—						
Phosphate-rock ..	4,076,890	4,379,922	3,816,654	4,047,968	4,867,312	5,204,188
Tunis—						
Phosphate-rock ..	1,547,000	2,065,586	1,725,117	1,480,051	1,895,133	1,888,283
Hyperphosphates ..	142,274	127,904	108,587	82,245	22,558	42,897
Superphosphates ..	(a)	7,516	(a)	11,268	53,418	61,236
Netherlands West Indies—						
Phosphate-rock ..	88,667	106,895	107,140	94,518	123,959	108,745
United States—						
Phosphate-rock ..	1,832,048	1,726,979	1,429,284	2,100,798	2,385,013	2,267,741
Superphosphates (b)	242,562	266,689	259,091	250,738	387,300	370,397
Angaur Island—						
Phosphate-rock ..	150,000	142,161	82,580	96,845	93,846	76,882
French Oceania (Makatea)—						
Phosphate-rock ..	250,802	224,259	210,182	246,555	225,280	222,608
Japan—						
Superphosphates ..	—	535	39,368	83,668	143,887	206,001
Jordan—						
Phosphate-rock ..	(a)	6,150	24,547	38,384	42,808	160,000

(a) Information not available.

(b) Including concentrated superphosphate.

(c) Imports of phosphate-rock into certain countries from U.S.S.R. were as follows (long tons):

	1950	1951	1952	1953	1954	1955
Belgium	—	—	17,784	53,224	43,041	41,886
Germany (Federal) ..	—	—	—	—	—	76,250
Netherlands	—	—	17,518	58,149	44,288	80,537
Norway	27,085	19,723	19,924	15,228	15,175	26,813
Sweden	34,243	48,202	27,684	27,988	21,769	5,418
Denmark	—	—	5,005	5,816	19,708	9,812

IMPORTS OF PHOSPHATES, Etc.

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Phosphate-rock	1,109,294	1,030,083	962,688	1,078,635	1,110,294	1,132,274
Guano, raw	3,211	3,095	1,262	780	1	613
Superphosphates	168,573	294,457	34,995	17,651	1,565	1,901
Basic slag	258,173	171,190	68,321	137,324	45,588	79,057
Kenya—						
Superphosphates, basic slag, etc.	10,940	7,202	8,805	10,841	7,776	20,954
Mauritius—						
Phosphatic guano	2,775	2,921	2,331	2,326	4,744	2,425
Superphosphates, basic slag, etc.	100	256	472	192	258	167
Nigeria—						
Phosphate-rock	(a)	(a)	(a)	(a)	1,362	238
Superphosphates	(a)	(a)	(a)	(a)	118	112
Other phosphatic fertilizers	(a)	(a)	(a)	(a)	80	1,401
Southern Rhodesia—						
Superphosphates	28,910	46,404	33,781	42,306	(b) 49,980	(b) 52,729
South West Africa—						
Superphosphates	497	831	929	658	(a)	(a)
Tanganyika—						
Superphosphates, basic slag, etc.	2,741	1,383	663	269	1,116	545
Uganda—						
Superphosphates, basic slag, etc.	7	39	22	25	8	446
Union of South Africa—						
Phosphate-rock	373,764	366,831	375,477	253,570	344,852	(a)
Phosphatic guano	1,933	1,492	1,436	1,954	(a)	(a)
Superphosphates	45	—	3	13	318	(a)
Basic slag	—	—	—	15,461	24,440	(a)
Canada—						
Phosphate-rock	438,416	446,170	420,458	514,732	575,768	525,186
Superphosphates, triple do., other	163,234	167,779	192,219	182,668	17,769	31,539
Basic slag	—	1,893	—	893	1,410	—
Other phosphatic ferti- lizers	(a)	(a)	(a)	(a)	3,348	2,369
British West Indies—						
Jamaica—						
Phosphatic fertilizers	720	1,219	431	191	392	1,043
St. Vincent—						
Superphosphates	32	116	161	156	12	120
Trinidad and Tobago—						
Superphosphates	10	1,315	809	598	588	1,610
Basic slag	75	—	25	—	24	19
British Guiana—						
Superphosphates, basic slag, etc.	(a)	1,070	668	859	3,042	3,971
Ceylon—						
Phosphate-rock	31,548	38,346	26,171	31,271	43,626	28,290
Superphosphates	716	474	892	1,749	2,344	2,961
Basic slag	99	124	183	188	129	45
Other phosphatic ferti- lizers	(a)	(a)	(a)	(a)	(a)	14,483
Cyprus—						
Superphosphates	20,881	24,805	20,853	26,006	31,007	19,820
Hong Kong (total imports)—						
Superphosphates, basic slag, etc.	1,176	30	29	2,067	161	177

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

IMPORTS OF PHOSPHATES, ETC.: (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES (cont.)						
India—						
Phosphate-rock ..	} 53,445	45,070	23,325	21,967	71,380	{ (c)30,326 (d)33,657
Other phosphates ..						
Superphosphates ..						
Ammonium phosphate ..						
Malaya (total imports)—						
Phosphate-rock ..	—	6,689	—	—	50	—
Phosphatic fertilizers ..	1,784	1,371	1,376	1,296	3,074	3,790
North Borneo—						
Phosphate-rock ..	(a)	(a)	(a)	(a)	104	84
Superphosphates ..	(a)	(a)	(a)	(a)	11	23
Pakistan (b)—						
Superphosphates ..	(a)	155	62	—	—	—
Sarawak—						
Natural phosphates ..	(a)	(a)	(a)	(a)	175	41
Phosphatic fertilizers ..	(a)	(a)	(a)	(a)	2,600	1,592
Australia—						
Phosphate-rock ..	1,224,827	1,050,462	1,094,977	1,181,709	1,160,397	1,251,379
Superphosphates ..	12,267	2,017	17	—	—	—
New Zealand—						
Phosphate-rock ..	511,504	397,190	653,933	442,122	518,306	573,568
Phosphatic guano ..	267	—	13,236	—	9,897	—
Superphosphates ..	1	1	477	176	3,382	7,517
Basic slag ..	65,319	69,190	47,101	36,998	87,555	65,743
Other phosphates ..	69,115	55,938	21,762	15,169	11,984	114
Irish Republic—						
Phosphate-rock ..	140,791	136,394	98,985	118,959	121,281	107,300
Superphosphates ..	48,092	93,078	31,453	12,236	29,979	63,631
Basic slag ..	27,306	33,279	28,297	35,718	32,096	48,924
Other phosphatic fertilizers ..	(a)	(a)	173	3,581	4,180	6,392
FOREIGN COUNTRIES						
Austria—						
Phosphate-rock ..	60	315	79	438	24,218	57,217
Superphosphates ..	67,873	79,939	91,597	70,912	113,558	73,945
Basic slag ..	92,699	142,749	112,886	98,927	153,840	131,836
Belgium-Luxemburg						
E. U.—						
Phosphate-rock ..	391,601	450,827	349,089	325,270	426,733	387,523
Superphosphates ..	2	5	—	12	46	—
Di-calcium phosphates ..	139	220	165	69	146	29
Basic slag ..	5,398	1,287	9,260	10,040	213	154
Denmark—						
Phosphate-rock ..	233,917	244,376	243,333	241,555	271,494	237,303
Superphosphates ..	62,536	49,432	66,831	96,662	67,234	38,195
Basic slag ..	—	—	—	—	1,274	4,228
Finland—						
Phosphate-rock ..	194,099	302,360	253,218	141,870	187,880	152,307
Superphosphates ..	7,081	42,527	19,684	1,322	38,082	53,059
Basic slag ..	3	—	—	—	—	4,194
Di-calcium phosphates ..	7,209	6,965	5,147	5,855	9,337	10,261
France—						
Phosphate-rock ..	1,096,400	1,321,058	906,716	1,033,856	1,342,223	1,450,048
Superphosphates ..	1,905	196	146	5,110	18,256	29,626
Basic slag ..	—	59	—	15	1,185	83,624
Di-calcium phosphates ..	8,555	7,979	8,012	6,073	10,847	7,649

(a) Information not available.

(c) April to December only.

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

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

IMPORTS OF PHOSPHATES, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Phosphate-rock, etc. ..	586,147	642,381	783,297	580,401	857,772	941,486
Superphosphates ..	62,349	—	391	748	1,225	1,142
Basic slag ..	144,217	248,235	316,183	193,808	325,391	322,013
Greece—						
Phosphate-rock ..	42,000	75,000	(a)	(a)	138,432	153,135
Hungary—						
Phosphate-rock ..	61,000	47,000	(a)	(a)	(a)	(a)
Iceland—						
Superphosphates ..	2,388	2,925	1,821	3,448	3,888	3,908
Italy—						
Phosphate-rock ..	862,295	1,104,346	953,444	1,164,201	1,260,768	1,281,691
Superphosphates ..	677	—	—	—	1	490
Basic slag ..	29,500	46,509	23,942	60,983	65,007	82,519
Netherlands—						
Phosphate-rock ..	542,673	589,560	425,661	438,618	553,353	520,127
Superphosphates ..	51,262	249	338	1,000	525	1,178
Basic slag ..	309,203	297,658	353,670	354,418	382,976	294,666
Di-calcium phosphates	13,116	14,799	6,948	15,364	7,668	16,340
Norway—						
Phosphate-rock ..	67,907	66,705	69,011	70,348	86,973	92,501
Superphosphates ..	90,292	65,610	39,875	45,786	15,476	14,490
Basic slag ..	3,899	7,745	6,409	6,239	7,343	4,881
Poland—						
Phosphate-rock ..	192,000	284,000	(a)	(a)	(a)	(a)
Portugal—						
Phosphate-rock ..	178,700	198,917	241,351	243,582	235,900	228,330
Superphosphates ..	(a)	(a)	(a)	(a)	472	6,525
Basic slag ..	1,026	4,671	5,788	8,266	10,296	18,862
Spain—						
Phosphate-rock ..	410,596	570,166	707,237	658,966	712,610	696,723
Superphosphates, etc.	—	—	—	—	—	(a)
Basic slag ..	—	—	—	9,627	6,923	(a)
Sweden—						
Phosphate-rock ..	335,675	424,155	308,011	303,995	354,281	307,461
Superphosphates ..	68,859	33,353	8,423	—	—	—
Basic slag ..	932	7,483	1	2	—	—
Switzerland—						
Phosphate-rock (b) ..	22,344	60,749	17,626	23,873	24,595	24,416
Superphosphates, etc.	11,470	11,768	14,111	12,694	15,949	12,835
Basic slag ..	122,385	111,563	110,045	141,259	154,908	160,315
Yugoslavia—						
Phosphate-rock ..	13,562	35,720	16,092	65,148	39,276	74,821
Superphosphates ..	(a)	(a)	(a)	(a)	1,411	2,140
Basic slag ..	(a)	(a)	(a)	(a)	23,033	74,091
Algeria—						
Superphosphates ..	394	1,202	391	2,515	4,971	8,135
Basic slag ..	1,850	3,189	3,689	2,454	3,283	3,080
Egypt—						
Superphosphates ..	42,767	33,049	66,577	1,008	—	—
Morocco (Spanish)—						
Superphosphates (incl. bone meal) ..	1,930	470	859	6,025	6,946	5,281
Tunis—						
Superphosphates ..	500	—	(a)	9,198	4,155	49
Cuba (total imports)—						
Superphosphates ..	30,644	74,437	47,521	10,121	18,095	(a)
Calcium phosphates ..	16,927	12,761	5,658	4,048	4,201	(a)
Mexico (total imports)—						
Superphosphates ..	191	1,237	1,060	5,013	15,965	13,348

(a) Information not available.

(b) Estimated on imports from producing countries.

IMPORTS OF PHOSPHATES, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
United States—						
Phosphate-rock ..	87,173	89,823	110,371	101,171	122,016	117,256
Superphosphates ..	4,508	2,615	8,258	5,240	4,569	1,684
Basic slag ..	179	96	—	79	34	2,281
Ammonium phosphates	95,215	120,575	119,032	148,658	146,547	209,279
Brazil (total imports)—						
Phosphate-rock ..	27,225	102,190	55,429	115,426	120,649	110,533
Superphosphates ..	127,401	119,804	71,616	69,840	90,415	95,965
Basic slag ..	(a)	(a)	(a)	98	1,912	8,640
Di-calcium phosphates	(a)	(a)	(a)	1,845	4,600	3,793
Chile—						
Superphosphates ..	997	23	30	2,021	(a)	(a)
Di-calcium phosphates	—	8	324	24,968	(a)	(a)
Colombia (total imports)—						
Phosphate-rock ..	(a)	696	1,735	1,343	1,003	1,098
Superphosphates ..	1,490	1,422	2,823	63	2,218	7,683
Di-calcium phosphates	(a)	7,834	2,824	9,405	21,945	26,103
Peru—						
Phosphate-rock ..	—	—	—	—	687	2,247
Phosphatic fertilizers ..	—	69	258	449	3,238	5,930
Formosa—						
Apatite ..	(a)	(a)	—	41,524	55,252	(a)
Phosphatic fertilizers ..	(a)	(a)	351	30,018	12,696	(a)
Indo-China—						
Phosphate-rock ..	9,762	10,039	25,046	26,003	22,897	(a)
Indonesia—						
Superphosphates ..	5,193	11,901	18,773	7,439	5,958	11,059
Israel—						
Phosphate-rock ..	4,985	7,100	—	—	—	—
Japan—						
Phosphate-rock ..	967,822	1,037,350	962,330	1,042,770	1,361,810	1,620,459
Korea (b)—						
Superphosphates ..	(a)	(a)	106,068	14,951	27,363	—
Lebanon—						
Phosphatic fertilizers ..	1,796	5,374	5,652	4,294	8,519	7,233
Philippine Republic—						
Superphosphates ..	2,983	3,293	2,988	7,591	6,436	2,556
Ammonium phosphate	(a)	33,789	44,826	46,778	23,706	13,487
Turkey—						
Phosphate-rock ..	4,528	18,873	15,312	10,684	17,430	35,846

(a) Information not available.

(b) Including C.R.I.K. supplies.

PLATINUM

PRODUCTION OF PLATINUM METALS

(Troy ounces)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Union of South Africa—						
Crude (<i>Pt</i> metals content)	55,246	58,323	72,701	90,292	101,921	109,267
Matte (<i>Pt</i> metals content)	88,971	132,575	159,820	208,885	236,241	272,465
Osmiridium (crude) (<i>b</i>)	6,914	6,359	6,141	6,966	6,266	7,095
Canada—						
Recovered from Ontario nickel-copper ores (<i>c</i>)—						
Platinum	124,571	153,483	122,317	137,545	154,356	170,494
Other platinum metals	148,741	164,905	157,407	166,018	189,350	214,252
Australia—						
New South Wales—						
Concentrates (<i>Pt</i> content)	16	8	—	—	23	7
Tasmania—						
Osmiridium	46	33	51	59	16	21
New Zealand—						
Crude platinum	—	8	4	2	1	—
New Guinea—						
Platinum	(<i>a</i>)	6	7	6	19	10
FOREIGN COUNTRIES						
U.S.S.R.—						
Crude platinum (<i>d</i>)	100,000	100,000	100,000	100,000	100,000	100,000
Ethiopia—						
Crude platinum	641	266	100	566	230	(<i>a</i>)

(*a*) Information not available.

(*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):

	1950	1951	1952	1953	1954	1955
Osmium	1,710	1,774	1,639	1,823	1,978	2,003
Iridium	1,594	1,692	1,542	1,700	1,787	1,797
Ruthenium	792	864	774	837	896	881
Platinum	724	802	679	726	733	751
Rhodium	52	57	48	56	57	62

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

(*d*) U.S. Bureau of Mines estimate.

PRODUCTION OF PLATINUM METALS (cont.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
United States (b)—						
Crude platinum	22,346	27,799	28,220	20,868	18,952	15,377
New platinum metals recovered by refineries from gold and copper ores of domestic origin—						
Platinum	3,722	5,017	1,969	1,199	1,375	1,810
Palladium	11,533	3,999	4,196	3,989	3,908	5,879
Iridium, osmiridium, etc...	254	136	24	16	—	—
Colombia (d)—						
Crude platinum	26,445	(c) 32,000	(c) 33,700	28,977	24,753	27,256
Japan—						
Platinum	151	245	484	987	1,347	628
Palladium	59	23	85	71	248	221
WORLD'S TOTAL (c)	601,000	685,000	687,000	766,000	840,000	925,000

(a) Information not available.

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

	1950	1951	1952	1953	1954	1955
Platinum	33,894	22,470	28,628	29,547	31,330	32,901
Palladium	21,167	27,999	25,540	30,494	31,190	26,124
Iridium	1,064	1,014	1,030	853	734	1,499
Other platinum metals	1,988	1,875	3,403	3,963	2,445	3,812

(c) Estimated.

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

EXPORTS OF PLATINUM*

(Domestic Produce)

(Troy ounces)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Platinum—						
Ingots, grain and powder	158,257	129,871	135,064	61,465	25,221	139,710
Other kinds, including alloys	31,725	26,156	49,968	186,217	182,562	211,728
Other platinum metals and alloys	265,774	202,012	184,687	203,973	183,449	271,879
Union of South Africa—						
Osmiridium	6,368	5,960	5,210	6,219	5,586	6,320
Crude platinum metals	105,251	135,784	176,362	256,208	267,645	363,843
Canada—						
Concentrates etc. (b)	(£6,973,943)	(£10,284,817)	(£11,182,825)	(£9,486,988)	(£10,120,789)	(£9,564,873)
Scrap	192	185	1,027	115	101	189
Hong Kong (including re-exports)—						
Platinum and platinum group metals	(£20,318)	(£114,543)	(£28,511)	(£5,125)	(£161,320)	(£131,664)
Australia (c) (d)—						
Platinum and platinum group metals	170	218	655	581	529	410
New Zealand—						
Platinum, etc. (jewellers' sweepings)	175	66	31	—	—	(a)
Palladium	33	40	21	—	—	—
FOREIGN COUNTRIES						
Austria—						
Unwrought platinum and platinum metals	1,800	2,251	(a)	4,951	4,790	5,884
Denmark—						
Rods, sheets, wire, scrap, etc.	482	3,472	707	1,093	482	354
France—						
Unwrought platinum, alloys and scrap	675	129	—	—	—	(a)
Palladium, alloys and scrap	96	1,865	—	5,048	21,123	(a)
Drawn or rolled platinum	—	836	1,029	4,630	16,397	39,385
Germany (Federal)—						
Platinum metals and alloys	4,088	2,986	3,153	5,858	12,884	29,518
Italy—						
Sheets, bars, dust, scrap, etc.	27	—	129	547	322	—
Netherlands—						
Unwrought platinum	2,792	17,458	13,150	126,063	75,908	154,645
Norway—						
Platinum incl. scrap	—	—	16	5,659	15,915	(a)
Sweden—						
Unwrought platinum	1,479	1,447	1,543	1,768	2,958	10,192
Switzerland—						
Unwrought platinum	2,636	739	1,222	1,382	3,665	1,190

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

(a) Information not available.

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

(c) Years ended June 30 of that stated.

(d) Revised.

EXPORTS OF PLATINUM (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
U.S.S.R.	(b)	(b)	(b)	(b)	(b)	(b)
Ethiopia (c)	1,943	60	1,303	(a)	(a)	(a)
United States—						
Ores, etc. (Pt. content) ..	82	732	(a)	30	29	—
Ingots, sheets, wire, etc.	12,753	8,760	8,599	2,522	13,470	17,073
Palladium, rhodium, etc. and alloys	24,946	52,088	17,697	23,206	11,443	11,895
Colombia—						
Platinum	24,452	17,168	20,191	29,868	29,225	27,521

(a) Information not available.

(b) 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):

	1950	1951	1952	1953	1954	1955
United Kingdom ..	—	—	—	94,917	18,279	30,012
Germany (Federal) ..	—	—	—	—	—	12,829
United States	45,896	16,075	—	31,256	2,942	16,802

(c) Years ended September 10 of that stated.

IMPORTS OF PLATINUM*
(Less Re-exports)
(Troy ounces)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b)—						
Platinum—						
Ingots, grain and powder	2,360	6,963	2,006	92,407	23,507	66,517
Other kinds, including alloys	24	62	33	78	(c) 466	(c) 3,819
Other platinum metals and alloys	13,056	332	168	9,587	19,287	23,823
Union of South Africa—						
Platinum	487	575	734	443	(a)	(a)
Canada—						
Platinum, palladium and iridium	(£7,019,709)	(£5,789,129)	(£6,363,745)	(£5,962,957)	(£6,509,440)	(£5,717,211)
Hong Kong (total imports)—						
Platinum and platinum group metals	(£10,023)	(£8,968)	(£19,362)	(£134,639)	(£137,088)	(£95,579)
Malaya (total imports)—						
Unwrought platinum	(a)	(a)	(a)	74	124	315
Australia (d) (e)—						
Platinum bars, rods, sheets, etc.	220	493	573	256	} 4,331	} 4,378
Bars, rods, sheets, etc. of other platinum metals	428	582	417	4,853		
Platinum group metal powder	25,699	726	1,293	884	} 1,131	} 1,378
New Zealand—						
Bars, sheets, wire, etc.	1,192	876	787	806		
Palladium	63	315	130	246		
FOREIGN COUNTRIES						
Austria—						
Unwrought platinum and platinum metals	2,025	5,176	7,780	2,283	2,411	6,044
Denmark—						
Rods, sheets, wire and scrap	1,125	1,190	514	868	1,478	1,061
Finland—						
Unwrought platinum	3	6	—	257	482	691
France—						
Unwrought platinum, alloys and scrap	8,970	13,214	9,935	6,816	23,149	(a)
Unwrought palladium, alloys and scrap	2,894	10,931	5,691	15,497	48,419	(a)
Drawn or rolled platinum	—	514	419	96	225	450

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

(a) Information not available.

(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: 1950—£3,803,800; 1951—£5,193,010; 1952—£6,370,394; 1953—£5,331,324; ; 1954—£5,924,237; 1955—£5,284,797.

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):

	1950	1951	1952	1953	1954	1955
Crude platinum metals	105,251	135,784	176,362	256,208	270,885	363,843
Osmiridium	6,368	5,960	5,210	6,219	5,586	6,320

(c) Excess of re-exports.

(d) Years ended June 30 of that stated.

(e) Revised.

IMPORTS OF PLATINUM (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)— Platinum metals and alloys	76,742	57,539	45,037	54,336	76,783	147,000
Italy—						
Bars, dust and scrap ..	2,739	4,565	3,408	2,797	3,762	6,044
Sheets, foil and wire ..	163	707	1,157	193	225	1,575
Netherlands—						
Unwrought platinum ..	6,912	4,501	17,072	39,867	71,793	306,461
Norway—						
Unwrought platinum ..	855	1,689	1,255	813	1,853	2,817
Sheets, rolled and wire	903	44	569	177	665	253
Portugal—						
Sheets, wire, etc. ..	206	260	266	406	52	22
Palladium	96	—	—	—	—	—
Spain—						
Bars, sheets, wire, etc.	379	—	35	—	215	(a)
Sweden—						
Unwrought platinum ..	482	611	96	96	1,061	675
Switzerland—						
Unwrought platinum ..	2,218	2,251	11,864	9,195	13,728	10,610
Yugoslavia—						
Unwrought platinum ..	129	32	(a)	482	707	354
Egypt—						
Ingots, bars, sheets, etc.	(c) 1,398	7	346	312	281	305
Cuba—						
Ingots and bars ..	2,059	1,130	187	675	289	(a)
Palladium	64	125	1,337	—	—	(a)
Mexico—						
Ingots and bars ..	466	167	515	782	769	409
United States—						
Ore (b)	628	197	1,261	1,512	2,714	407
Grains and nuggets (b)	35,793	34,425	27,355	45,950	43,355	40,713
Sponge and scrap (b)	106,663	135,177	118,568	108,944	148,503	177,832
Ingots, bars, sheets (b)	105,910	158,876	88,289	232,483	195,187	276,755
Iridium	6,457	3,144	4,718	1,643	432	271
Osmium and osmiridium	4,759	3,603	3,386	2,397	3,187	1,999
Palladium	142,673	239,151	200,502	227,080	188,839	487,174
Rhodium and ruthenium	19,506	26,724	8,739	15,515	19,365	20,744
Brazil (total imports)—						
Ingots, sheets and wire	(a)	15	8,445	1,439	13,285	193
Palladium	(a)	(a)	1,344	—	1,688	—
Colombia—						
Unwrought platinum	(a)	96	257	257	289	739
Uruguay—						
Platinum metals ..	820	489	184	312	(a)	(a)
Venezuela—						
Unwrought platinum ..	389	(a)	5,466	(a)	—	(a)
Iraq—						
Unwrought platinum ..	(a)	(a)	3,054	1,286	547	(a)
Israel—						
Platinum	1,267	(a)	(a)	(a)	(a)	(a)
Palladium	22,323	(a)	(a)	(a)	(a)	(a)
Japan—						
Platinum and alloys ..	(a)	(a)	3,314	9,612	12,761	19,337
Palladium and alloys ..	(a)	(a)	98	2,494	7,066	10,715
Rhodium and alloys ..	(a)	(a)	31	171	227	518
Iridium, etc. and alloys	(a)	(a)	1	349	903	503
Lebanon—						
Unwrought platinum ..	160	225	642	1,220	1,413	2,793
Turkey—						
Sheets	—	193	161	64	—	—

(a) Information not available.

 (b) *Platinum content.*

(c) Excess of re-exports.

POTASH MINERALS
PRODUCTION OF POTASH
(Long tons)

Producing Country and Description	K ₂ O Content or Equivalent					
	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
India—Nitrate	5,501	5,212	8,384	(c) 2,777	(d) 3,000	(a)
Australia—Alumite	397	449	314	—	—	—
TOTAL (estimated) ..	2,700	2,600	4,200	1,400	1,500	(a)
FOREIGN COUNTRIES						
France (b)—Sylvinite, 12-22% K ₂ O	88,199	54,553	70,748	55,422	30,773	27,000
Fertilizer salts 30-40% K ₂ O ..	340,576	303,583	343,869	292,216	320,441	337,000
Chloride 50% K ₂ O and over	459,240	499,660	498,366	542,163	713,147	803,000
Germany—Federal Republic—Kainite, sylvinite, etc. Eastern—Potash salts	1,077,000	1,303,000	1,529,000	1,554,000	1,905,000	1,988,000
TOTAL (estimated) ..	1,460,000	1,614,000	1,775,000	1,880,000	2,200,000	2,200,000

(a) Information not available.
(b) Crude salts as mined. The K₂O content by salts relates to the marketable product only.
(c) Incomplete.
(d) Estimated.

PRODUCTION OF POTASH (cont.)

Producing Country and Description	K ₂ O Content or Equivalent					
	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Spain—						
Carnallite, sylvinite, etc.						
Alumite	997,329	1,042,259	1,196,437	1,228,468	1,203,155	1,261,949
Eritrea—	589	887	894	553	—	(a)
Chloride	546	(a)	(a)	(a)	(a)	(a)
United States—						
Muriate (chloride)—						
60-82% K ₂ O (c)	1,648,624	1,828,387	2,203,961	2,612,855	2,708,210	2,851,728
48-50% K ₂ O	135,310	139,104	134,785	73,037	—	—
Fertilizer salts	19,225	17,656	7,508	4,132	—	—
Sulphate, etc. (b)	199,204	224,558	213,087	226,430	258,223	276,402
Chile—						
Chloride	(a)	(a)	(a)	(a)	(a)	(a)
Israel—						
Chloride	—	—	—	5,165	(a)	(a)
Japan—						
Alumite	3,342	3,827	2,573	4,202	5,775	6,066
TOTAL (d)						
	5,000,000	5,500,000	6,200,000	6,600,000	7,000,000	7,400,000
WORLD'S TOTAL (d)						
	5,000,000	5,500,000	6,200,000	6,600,000	7,000,000	7,400,000

NOTE.—Potash is produced in Poland, the U.S.S.R. and certain other countries, but statistics are not available. An allowance has been made for these countries in the world's total.

(a) Information not available.

(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	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Chromate and bichromate	653	200	454	361	490	931
Nitrate	1,868	2,364	1,314	1,309	1,198	1,007
Sulphate	50	68	72	75	48	81
Other compounds	2,014	2,251	1,568	2,045	1,888	2,048
Hong Kong (re-exports)—						
Nitrate	(a)	(a)	—	134	84	142
Chlorate	2,709	2,065	—	236	266	401
India—						
Nitrate	64	227	59	40	110	111
Malaya (including re-exports)—						
Fertilizer salts	19	157	575	10	7	11
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Fertilizer salts	125,205	42,768	31,320	80,843	6,969	8,128
Carbonate	2,790	1,657	1,534	1,786	912	1,784
Caustic potash	3,641	3,748	2,149	2,162	3,423	4,170
Chloride	401,263	380,217	302,756	488,680	474,347	530,625
Chlorates	6	238	297	—	—	3
Nitrate	1,111	1,328	379	91	119	49
Sulphate	80,317	123,994	125,211	162,155	169,165	192,745
Finland—						
Chlorate	983	1,475	531	226	417	843
France—						
Sylvinite, etc.	535,507	366,387	424,907	443,063	351,602	296,803
Fertilizer salts	501,244	486,276	445,468	577,628	674,029	706,907
Carbonate	6,065	7,676	4,661	5,347	6,593	7,514
Caustic potash	5,541	10,170	6,368	6,060	8,134	9,180
Chlorate	2,032	3,219	1,561	912	834	1,403
Nitrate	4,551	3,705	1,328	669	980	1,225
Germany (Federal)—						
Fertilizer salts	343,806	331,546	817,055	1,256,178	1,360,789	1,260,171
Carbonate	(d) 5,619	(d) 4,124	2,210	1,957	3,265	5,497
Caustic potash	4,398	3,165	2,712	2,131	3,911	4,130
Chlorate	491	(c) 207	(a)	209	150	91
Nitrate	946	1,784	2,662	5,399	5,372	7,090
Chloride	263,031	389,762	(b)	(b)	(b)	(b)
Sulphates	98,482	175,732	(b)	(b)	(b)	(b)
Germany (East)—						
Fertilizer salts (K ₂ O content)	1,135,600	1,210,000	1,207,100	1,300,000	(a)	(a)

(a) Information not available.

(b) Included with fertilizer salts.

(c) January to September only.

(d) Including 'wool grease ash'.

EXPORTS OF POTASH SALTS (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Caustic potash	165	723	765	265	20	4
Chloride	1,206	920	871	470	442	983
Nitrate	17	25	14	14	12	18
Sulphate	547	539	317	300	66	67
Spain—						
Fertilizer salts	184,160	246,093	213,006	247,073	240,671	237,775
Chlorate	23	116	65	—	—	(a)
Sweden—						
Carbonate	30	34	—	4	8	41
Caustic potash	1,210	2,316	1,451	1,375	1,907	2,118
Switzerland—						
Nitrate (crude)	15,449	8,686	10,658	6,801	—	5
United States—						
Chloride	82,024	84,245	73,310	63,467	82,802	175,884
Other fertilizer salts	14,380	13,200	11,224	11,008	16,469	22,776
Chromates	372	1,611	706	172	565	356
Caustic potash	1,801	3,578	1,767	2,089	2,150	2,396
Other compounds	6,010	8,305	3,350	2,021	2,822	3,323
Chile—						
Nitrate	73,631	52,393	47,832	41,100	63,186	(b) 48,265
Israel—						
Chloride	—	—	—	1,750	12,799	7,923

(a) Information not available.

(b) January to November only.

IMPORTS OF POTASH SALTS
(Less Re-exports)
(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Fertilizer salts	691	9,321	25,514	30,760	37,784	35,440
Carbonate	3,946	6,660	2,348	3,767	4,428	5,341
Caustic potash and lyes	1,356	2,553	1,781	1,793	2,421	2,499
Chlorate	815	794	727	741	621	1,227
Chloride	396,847	445,047	338,924	504,880	473,641	509,927
Nitrate	244	489	343	710	927	1,281
Sulphate	13,850	13,681	11,348	9,881	7,008	13,927
Other compounds	489	1,123	467	435	817	825
Gold Coast—						
Fertilizer salts	(a)	(a)	(a)	(a)	71	49
Kenya—						
Fertilizer salts	178	109	456	—	229	425
Mauritius—						
Fertilizer salts	988	1,482	5,181	3,898	5,484	5,102
Nigeria—						
Fertilizer salts	(a)	(a)	(a)	(a)	976	711
Northern Rhodesia—						
Compounds	44	68	33	92	(d)	(d)
Southern Rhodesia—						
Compounds	56	95	56	25	(e) 172	(e) 285
Tanganyika—						
Fertilizer salts	50	146	376	350	183	247
Uganda—						
Fertilizer salts	12	46	10	13	67	138
Union of South Africa—						
Fertilizer salts	—	(c) 4	228	27	(a)	(a)
Nitrate	118	92	77	138	(c) 2	(a)
Caustic potash	219	410	217	150	150	(a)
Chloride	6,921	10,042	13,953	13,319	(a)	(a)
Other compounds	594	995	1,149	502	(a)	(a)
Canada—						
Fertilizer salts	2,043	1,545	1,515	1,227	17	—
Caustic potash	2,141	2,168	1,696	1,940	2,431	2,206
Chlorate	32	71	31	44	53	59
Crude chloride	87,954	92,650	104,925	107,833	102,936	123,654
Nitrate	448	634	350	539	442	554
Crude sulphate	7,195	10,012	7,225	11,427	11,415	12,461
Other compounds	1,124	1,436	1,473	1,421	1,473	2,059
British West Indies—						
Barbados—						
Fertilizer salts	6,289	4,396	3,714	2,040	5,539	3,160
Jamaica—						
Fertilizer salts	1,627	3,534	2,363	1,934	2,349	1,477
St. Vincent—						
Chloride	21	124	135	153	78	118
Trinidad and Tobago—						
Chloride and sulphate	630	1,467	1,019	1,307	2,012	2,058
Ceylon—						
Kainite and sylvinite ..	24	518	100	549	640	699
Chloride	18,535	24,081	12,117	22,021	29,412	26,751
Nitrate of potash refuse	3	—	—	1	—	6
Sulphate	149	50	223	440	325	275
Hong Kong (total imports)—						
Nitrate	(a)	(a)	(a)	251	362	564
Chlorate	3,283	2,681	(a)	68	178	334
India—						
Chlorate	574	860	1,301	1,081	925	1,050
Chloride	4,713	13,654	4,162	7,308	27,807	14,026
Other compounds	1,133	2,825	2,336	1,266	10,411	7,107

(a) Information not available.

(b) Total imports.

(c) Excess of re-exports.

(d) See under Southern Rhodesia.

(e) Federation of Rhodesia and Nyasaland.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Malaya (total imports)—						
Fertilizer salts	2,078	4,808	3,365	1,745	5,416	7,865
Pakistan (c)—						
Bichromate	(a)	23	7	27	46	10
Chlorate		213	252	313	678	1,562
Chloride		70	92	—	—	—
Other compounds		224	122	54	94	261
Australia (b) (e)—						
Carbonate (d)	448	546	1,399	140	304	628
Caustic potash (d)	138	377	959	393	471	765
Chloride (d)	12,339	13,371	14,836	12,858	19,041	23,933
Nitrate (d)	269	713	332	174	272	297
Sulphate (d)	530	1,241	1,140	1,610	3,198	3,481
Other compounds	201	366	516	123	201	429
New Zealand—						
Caustic potash and pearl ash	33	81	106	23	71	(a)
Chlorate	45	47	51	49	46	(a)
Chloride	10,599	13,217	21,888	26,518	33,566	30,622
Nitrate	91	64	50	79	29	98
Sulphate	1,869	1,408	2,072	2,258	2,592	2,017
Other fertilizer salts	130	190	226	75	278	412
Compounds other than fertilizer	84	100	106	86	88	160
Irish Republic—						
Fertilizer salts (20–40% K ₂ O)	3,002	—	—	—	604	613
Chloride	22,512	29,892	36,100	59,704	73,143	82,178
Chlorate	101	80	81	41	376	429
Nitrate	215	95	90	147		
Sulphate	845	538	241	461		
Other compounds	77	126	39	101		
FOREIGN COUNTRIES						
Austria—						
Fertilizer salts	43,037	88,257	79,443	86,627	126,503	128,571
Caustic potash	79	458	107	157	255	356
Carbonate	173	959	707	365	548	491
Chromates	169	66	138	105	127	117
Nitrate	205	206	160	221	341	381
Belgium-Luxemburg						
E.U.—						
Fertilizer salts	408,726	161,523	253,341	303,719	182,974	162,273
Carbonate	3	1,025	1,616	1,051	742	613
Caustic potash	3,188	1,142	1,038	588	209	143
Chlorates	820	4,718	297	293	672	556
Chloride	574,626	773,902	718,023	788,533	849,363	931,565
Chromates	213	310	133	280	287	503
Nitrate	113	124	2	1,176	1,102	1,741
Sulphate	3,396	7,249	7,449	9,110	24,348	15,639

(a) Information not available.

(d) Total imports.

(b) Years ended June 30 of that stated.

(e) Revised.

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

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Fertilizer salts	223,091	228,889	356,575	329,337	282,317	277,511
Carbonate	931	602	376	448	501	376
Caustic potash	1,557	825	907	1,091	1,079	1,046
Chlorate	170	154	125	106	132	168
Chloride	43	523	199	224	136	109
Chromates	30	54	31	48	25	67
Nitrate	739	939	567	692	972	742
Sulphate	10	10	189	115	9	12
Finland—						
Fertilizer salts	55,000	72,166	98,854	89,873	87,191	94,986
Carbonate	178	218	165	101	245	295
Caustic potash	34	134	60	143	203	(a)
Chloride	2,108	1,973	893	1,189	1,851	2,810
Nitrate	30	100	100	67	99	132
Sulphate	(a)	2,461	1,478	3,938	4,555	8,295
France—						
Fertilizer salts	2,724	10,969	97,140	2,357	1,692	14,172
Caustic potash	5	12	15	21	18	33
Germany (Federal)—						
Fertilizer salts	—	—	20	308	291	—
Carbonate	4	26	—	118	57	5
Caustic potash	197	199	117	267	286	205
Chlorate	596	(b) 1,022	356	111	75	58
Nitrate	—	10	—	49	157	207
Greece—						
Carbonate	2,162	481	354	637	851	1,092
Caustic potash	22	11	61	23	26	(a)
Nitrate	126	123	96	43	179	(a)
Iceland—						
Fertilizer salts	1,561	1,783	1,582	2,319	2,731	3,279
Carbonate	243	17	13	206	8	15
Caustic potash	10	54	17	38	24	15
Italy—						
Fertilizer salts	48,562	67,695	67,739	85,056	95,456	132,534
Carbonate	1,986	2,986	1,907	2,151	2,674	3,149
Caustic potash	2,861	4,082	3,283	3,045	4,021	6,603
Netherlands—						
Kainite	47,147	48,657	75,324	94,717	76,187	45,779
Fertiliser salts						
do. (20% K ₂ O)	44,896	36,458	40,220	35,826	44,626	34,949
do. (40% K ₂ O)	298,199	282,331	322,364	298,096	284,596	225,549
do. (50% K ₂ O)	—	—	—	98	—	—
Carbonate	4,734	3,119	2,651	3,624	3,077	4,177
Caustic potash	3,958	4,992	3,283	3,140	4,811	5,032
Chloride	3,263	5,484	10,096	17,580	29,512	24,961
Nitrate	1,891	1,647	1,537	1,075	1,461	1,718
Sulphate	48,370	10,420	15,803	13,563	16,581	29,579
Patent potash		41,724	44,899	61,488	66,981	56,032
Norway—						
Fertilizer salts	78,255	109,794	124,857	94,324	91,171	43,432
Carbonate	377	417	330	418	340	413
Caustic potash and lyes	1,077	1,554	1,489	1,362	1,524	1,413
Chloride	10,700	7,480	13,258	7,238	17,959	22,635
Nitrate	106	203	80	129	199	104
Portugal—						
Carbonate	42	86	58	73	90	79
Caustic potash	15	97	33	47	95	22
Chlorate	290	305	69	155	191	182
Chloride	7,910	9,803	7,800	5,311	12,727	8,776
Nitrate	—	1	153	280	353	316
Sulphate	(a)	1,821	1,968	—	246	1,739

(a) Information not available.

(b) January to September only.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Fertilizer salts						
(40% K ₂ O)	142,827	159,455	152,942	176,658	109,430	13,994
(other) ..	43	34	689	562	58,738	143,734
Carbonate ..	934	1,366	1,298	1,115	1,568	1,666
Caustic potash ..	91	143	187	202	364	313
Chloride ..	9,609	14,933	12,032	5,294	10,560	10,364
Nitrate ..	542	675	382	636	700	776
Sulphate ..	2,808	3,085	3,127	5,663	3,892	8,201
Switzerland—						
Fertilizer salts ..						
Carbonate ..	58,434	64,886	63,050	62,264	69,081	74,470
Caustic potash ..	948	1,231	642	581	1,268	1,153
Chloride ..	2,320	2,389	1,890	2,079	2,324	2,483
Nitrate, crude ..	2,183	3,181	2,617	2,138	4,350	6,965
Nitrate, purified, including sodium nitrate ..	—	—	98	99	1	295
Yugoslavia—	932	547	513	661	475	607
Fertilizer salts ..						
Carbonate ..	4,921	10,739	4,607	22,219	33,038	55,701
Caustic potash ..	26	122	251	(a)	(a)	(a)
Chlorate and chloride ..	54	192	186	57	99	187
Nitrate ..	159	192	246	(a)	(a)	(a)
Sulphate ..	98	222	219	1	1,080	—
Algeria—	69	66	133	50	87	39
Fertilizer salts ..						
Carbonate ..	24,214	24,282	18,281	15,159	20,729	17,687
Caustic potash ..	6	29	3	2	11	6
Nitrate ..	39	27	24	40	28	29
Egypt—	38	22	20	13	21	11
Fertilizer salts ..						
Carbonate ..	445	752	2,559	464	640	—
Caustic potash ..	88	269	267	31	102	184
Chlorate ..	26	15	15	45	33	32
Chromates, including those of sodium ..	151	175	172	172	143	184
Morocco (French)—	(a)	(a)	416	365	323	509
Fertilizer salts ..						
Tunis—	4,347	9,723	8,198	8,305	11,193	(a)
Fertilizer salts ..						
Caustic potash ..	(a)	655	(a)	1,061	1,526	2,293
Cuba (total imports)—	(a)	8	(a)	9	7	9
Nitrate ..						
Chlorate ..	16,842	22,066	22,708	8,262	3,883	(a)
Chloride ..	277	390	256	129	235	(a)
Sulphate ..	14,160	7,956	14,507	3,959	11,767	(a)
Mexico (total imports)—	1,997	3,169	8,232	4,157	4,278	(a)
Chloride ..						
Caustic potash ..	—	—	—	—	2,501	5,845
United States—	478	213	123	180	161	235
Fertilizer salts ..						
Carbonate ..	1,287	3,370	1,960	3,014	6,081	14,105
Caustic potash ..	4,710	1,987	152	1,379	16	—
Chlorates ..	726	1,469	66	160	171	193
Chloride ..	306	330	662	90	108	306
Cyanide ..	268,227	439,850	251,052	155,396	131,557	215,590
Nitrate ..	636	835	812	1,254	748	710
Potassium-sodium nitrate mixtures ..	175	5,866	11,373	15,131	776	2,089
Sulphate ..	18,240	7,365	14,696	11,175	7,874	17,232
	38,388	46,746	35,948	33,922	46,279	48,685

(a) Information not available.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
Argentina—						
Bichromate	87	(a)	351	46	1,029	1,096
Carbonate	80	(a)	120	28	63	521
Caustic potash	189	(a)	417	185	727	1,491
Chlorate	234	(a)	586	111	657	979
Nitrate	114	(a)	142	370	504	826
Sulphate	—	(a)	50	2	—	249
Brazil (total imports)—						
Caustic potash	(a)	755	104	83	64	403
Nitrate	(a)	1,988	1,376	177	2,055	869
Chloride	(a)	43,287	21,885	48,292	42,016	73,818
Sulphate	(a)	2,689	2,010	3,573	4,451	4,446
Carbonate	(a)	9	266	169	15	68
Chlorate	(a)	2,125	860	877	766	335
Chile—						
Caustic potash	65	54	64	111	(a)	(a)
Chlorate	98	225	72	63	(a)	(a)
Chloride	2	—	680	5,031	(a)	(a)
Sulphate	9	285	394	512	(a)	(a)
Colombia (total imports)—						
Chlorate	252	121	136	248	211	280
Chloride	(a)	4,776	3,458	2,545	14,849	17,662
Nitrate	289	137	106	263	273	326
Sulphate	(a)	1,927	(a)	1,376	3,372	2,923
Other fertilizer salts	(a)	346	34	728	350	67
Peru—						
Fertilizer salts	363	225	228	223	348	540
Caustic potash	22	40	16	9	29	54
Other salts	48	110	74	101	158	170
Uruguay—						
Nitrate	41	9	984	571	(a)	(a)
Caustic potash	52	371	102	372	(a)	(a)
Venezuela—						
Carbonate	4	(a)	18	37	35	(a)
Caustic potash	(a)	(a)	24	60	32	48
Chlorate	45	517	74	152	118	(a)
Nitrate	82	88	59	213	289	557
Japan—						
Fertilizer salts	(a)	9,882	—	—	—	—
Kainite, etc.	(a)	470	—	—	—	—
Chloride	220,030	218,371	72,607	309,808	454,252	551,534
Sulphate	36,734	118,917	103,217	201,127	188,874	151,440
Philippine Republic—						
Caustic potash	13	4	27	15	11	165
Chlorate	259	339	393	206	430	264
Nitrate	5	435	16	37	78	1,803
Sulphate	9	160	—	1	150	314
Turkey—						
Carbonate	826	871	858	709	388	794
Caustic potash	89	106	125	217	200	173
Chlorates	7	129	133	150	12	94
Chromates	89	59	90	110	95	60
Nitrate	287	16	1	253	—	134

(a) Information not available.

PYRITES
PRODUCTION OF PYRITES*
(including Cupreous Pyrites)
(Long tons)

Producing Country	Estimated Sulphur Content											
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES												
Great Britain ..	13,288	15,586	9,691	10,244	7,010	5,514	(a)	(a)	(a)	(a)	(a)	(a)
Southern Rhodesia ..	13,592	27,822	18,752	36,087	36,387	21,268	6,000	12,200	8,300	15,900	16,000	9,400
Union of South Africa ..	35,457	32,851	30,649	92,362	225,534	351,651	15,377	14,245	13,198	36,260	86,809	137,882
Canada (sales) (c) ..	279,120	397,275	494,631	364,515	614,221	784,332	134,363	192,288	235,037	166,652	277,821	360,702
Cyprus (saleable) ..	596,736	689,549	821,716	754,399	795,350	961,390	293,981	337,000	401,000	364,000	383,000	471,000
India ..	—	530	2,168	277	—	(a)	—	230	930	120	—	(a)
Australia ..	118,078	151,388	198,713	167,007	206,778	223,475	50,900	66,000	84,150	70,500	97,600	126,800
TOTAL ..	1,056,000	1,314,000	1,582,000	1,425,000	1,885,000	2,348,000						
FOREIGN COUNTRIES												
Austria ..	13,315	10,075	8,988	69	—	—	3,157	2,703	2,261	(a)	—	—
Finland (b) ..	159,491	228,873	242,042	255,042	248,527	298,063	69,000	97,000	103,000	108,000	105,000	126,000
France (e) ..	243,704	276,127	295,669	293,292	294,611	300,000	104,857	115,462	117,700	132,400	135,263	138,000
Germany (Federal) ..	517,118	525,104	519,594	521,613	557,334	604,034	188,500	191,542	188,739	189,044	212,545	240,457
Greece ..	86,293	178,400	191,578	233,575	206,502	229,126	37,600	87,400	93,900	102,000	90,000	100,000
Italy ..	886,683	884,000	1,122,773	1,215,068	1,212,247	1,268,826	399,000	398,000	505,000	547,000	545,000	571,000
Norway ..	736,967	685,056	701,361	733,092	782,359	830,450	312,846	284,602	295,312	332,104	343,696	361,775
Portugal ..	603,801	718,103	743,959	640,852	575,157	660,154	271,710	323,145	334,781	288,384	258,821	297,070

* See also Sulphur (page 312).

(a) Information not available.

(b) Pyrite concentrate only.

(c) Produced as a by-product in the treatment of copper and copper-zinc ores.

(d) Estimated.

(e) In addition the sulphur content of mispickel and auriferous pyrites was as follows (long tons): 1950—1,116; 1951—12,650; 1952—12,753; 1953—9,392; 1954—1,296; 1955—10,000.

PRODUCTION OF PYRITES (cont.)

Producing Country	1950	1951	1952	1953	1954	1955	Estimated Sulphur Content					
							1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES												
<i>(cont.)</i>												
Spain	1,430,083	1,767,824	2,119,566	1,773,363	1,864,227	1,989,180	694,000	858,000	1,028,000	860,000	904,000	965,000
Sweden	400,384	400,507	407,054	382,846	392,894	387,850	199,105	199,602	201,769	189,177	193,562	191,008
Yugoslavia (c) ..	84,870	111,748	164,753	163,214	157,580	223,102	38,000	50,000	74,000	73,000	71,000	100,000
Algeria	24,700	30,950	23,631	29,352	33,000	21,330	10,250	12,850	10,200	12,900	14,500	9,380
Morocco (French) ..	1,450	1,918	1,993	2,005	1,535	4,007	700	870	860	800	650	600
Tunisia	1,130	—	—	—	—	—	538	—	—	—	—	—
Cuba	(a)	(a)	(a)	(a)	92,881	98,840	(a)	(a)	(a)	(a)	(a)	(a)
United States (b) ..	921,163	1,017,769	994,342	922,647	908,715	994,443	392,788	432,819	418,139	379,545	405,310	408,000
Formosa	(a)	6,622	32,707	24,892	23,857	28,559	(a)	2,400	11,800	9,000	9,100	10,700
Japan	1,898,286	2,313,696	2,586,846	2,306,251	2,635,554	2,692,929	790,000	923,000	1,036,000	904,000	1,106,277	1,150,000
Korea (South) .. .	—	—	743	765	—	—	—	—	(a)	(a)	—	—
Philippine Republic ..	(a)	(a)	(a)	1,945	5,202	30,296	(a)	(a)	(a)	680	2,080	13,600
TOTAL*	8,100,000	9,240,000	10,200,000	9,560,000	9,990,000	10,660,000	—	—	—	—	—	—
WORLD'S TOTAL* ..	9,156,000	10,554,000	11,782,000	10,985,000	11,875,000	13,008,000	4,050,000	4,640,000	5,190,000	4,810,000	5,230,000	5,840,000

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

(a) Information not available.

(b) Includes by-product pyrites.

(c) Concentrates. All figures revised.

EXPORTS OF PYRITES
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Southern Rhodesia—						
Iron pyrites	12,329	24,728	15,281	33,586	26,774	3,706
Canada—						
Pyrites (<i>S content</i>)	99,689	158,963	176,694	115,721	168,400	(a)
Cyprus—						
Iron pyrites	533,501	614,864	633,270	565,183	687,954	753,640
Cupreous pyrites	111,210	99,060	146,672	129,915	125,370	139,230
Australia	177	6,420	—	—	—	—
FOREIGN COUNTRIES						
Austria	20,098	95,648	88,461	8,562	71,833	78,179
Belgium-Luxemburg						
E.U.	362	3,531	—	—	—	—
Finland—						
Concentrate	—	—	3,149	9,174	72,069	75,182
France	—	6	—	1,799	147	108
Germany (Federal)—						
Pyrites, etc.	6,496	19,686	14,599	12,578	16,509	30,747
Greece	46,327	149,878	174,409	160,447	137,827	121,343
Italy—						
Iron pyrites	88,408	146,091	107,920	59,290	113,192	93,906
Cupreous pyrites	—	563	19	—	1,947	3,664
Norway—						
Iron pyrites	183,381	159,871	191,731	129,834	162,142	145,118
Cupreous pyrites	199,540	129,154	138,836	193,066	252,856	320,071
Portugal—						
Iron pyrites	489,370	561,922	406,312	298,198	375,676	441,928
Cupreous pyrites				1,791	2,255	2,297
Spain—						
Iron pyrites	1,199,493	1,516,428	1,737,348	1,187,297	1,539,996	1,501,349
Cupreous pyrites	27,495	36,463	56,281	40,836	18,551	21,510
Sweden	60,689	4,036	10,236	11,810	10,283	15,532
Yugoslavia	172,922	158,583	157,289	69,559	128,495	212,044
Algeria	—	610	—	236	—	—

(a) Information not available.

IMPORTS OF PYRITES

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom	191,636	347,688	505,101	385,133	599,593	499,197
Northern Rhodesia— Iron pyrites	12,329	18,754	9,456	5,362	(b) —	(b) —
Irish Republic	45,293	42,303	34,288	40,137	47,474	37,977
FOREIGN COUNTRIES						
Austria	75,649	138,835	131,661	49,626	131,928	94,941
Belgium-Luxemburg E.U.	321,129	404,554	319,561	252,763	352,606	411,289
Denmark	144,857	148,007	106,632	129,551	119,967	129,562
France	548,091	693,604	629,146	324,432	553,870	545,908
Germany (Federal)— Pyrites, etc.	628,961	785,468	996,450	854,832	1,038,417	1,126,257
Italy—						
Iron pyrites	85,982	183,199	79,578	113,188	135,121	91,113
Cupreous pyrites	—	12,359	7,190	1,383	—	—
Netherlands	312,851	375,944	428,941	331,495	482,263	474,002
Sweden	97,690	71,632	69,107	65,619	78,593	121,113
Algeria	3,144	11,261	1,857	8,777	6,671	16,595
Morocco (French)	551	9,560	16,782	930	23,793	(a)
Tunis	(a)	12,945	(a)	7,809	15,119	9,730
United States	208,766	221,512	296,047	190,474	46,649	80,305
Japan	9,676	29,796	68,201	566	—	—

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

SALT
PRODUCTION OF SALT
(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain—						
Rock-salt	41,449	54,200	44,521	42,846	43,184	69,770
Brine-salt	956,403	1,040,796	944,357	940,260	1,008,400	1,054,292
Salt in brine (b)	3,234,475	3,577,798	2,952,408	3,074,156	3,414,005	3,655,377
Northern Ireland—						
Brine-salt	12,958	13,042	10,637	—	10,842	12,392
Malta—						
Sea-salt	1,540	3,240	1,290	3,140	2,770	970
Mauritius—						
Sea-salt	2,565	3,350	2,165	2,362	3,050	3,400
South West Africa—						
Rock-salt	3,854	4,632	6,779	4,621	4,825	6,254
Other salt	12,699	39,250	32,733	35,948	41,779	52,257
Anglo-Egyptian Sudan	40,110	45,485	52,469	53,993	54,759	(a)
Kenya	18,426	19,084	16,750	20,886	18,795	25,376
Tanganyika	12,276	15,608	18,951	19,785	21,394	23,521
Uganda	7,296	7,745	4,043	7,517	7,190	9,013
Union of South Africa ..	104,716	147,430	138,354	125,545	153,737	137,623
Canada—						
Rock-salt	49,258	64,996	73,679	63,423	72,011	245,629
Other salt (c)	717,573	795,323	795,256	793,629	788,129	873,898
British West Indies—						
Sea-salt—						
Bahamas (exports) ..	22,929	48,321	54,107	121,071	116,500	40,786
Leeward Islands (exports) ..	5,518	6,884	5,851	5,298	4,164	4,557
Turks and Caicos Islands	60,000	21,000	16,400	9,863	9,589	6,279
Aden	255,865	304,302	376,079	240,423	210,000	264,340
Ceylon	66,859	25,835	45,330	57,199	49,960	36,325
Cyprus	4,068	10,752	—	1,960	4,688	—
India—						
Rock-salt	5,049	5,443	5,992	5,772	4,007	} 2,978,000
Other salt	2,615,867	2,729,437	2,820,166	3,159,265	2,713,269	
Pakistan—						
Rock-salt	(a)	(e) 103,000	(e) 101,000	(e) 125,000	147,010	139,827
Sea-salt	(a)	(e) 166,000	(e) 145,000	(e) 176,000	250,538	258,876
Australia (d)	265,000	300,000	277,000	310,000	380,000	370,000
New Zealand	—	—	700	—	1,500	—
Total*	8,700,000	9,550,000	8,940,000	9,390,000	9,540,000	10,320,000
FOREIGN COUNTRIES						
Austria—						
Rock-salt	1,068	681	1,122	1,106	1,258	797
Evaporated salt	90,058	93,815	80,760	86,961	95,845	105,113
France—						
Rock-salt (incl. refined)	348,143	416,968	410,187	424,911	472,200	465,200
Salt in brine	1,848,883	2,125,989	1,740,327	1,959,901	1,915,000	1,650,000
Sea-salt	645,663	407,463	648,601	538,452	488,268	697,000

* See page 294.

(a) Information not available.

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

(c) Including salt in brine.

(d) Estimated.

(e) Years ended March 31 following that stated.

PRODUCTION OF SALT (cont.)

Producing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Rock-salt, etc.	2,158,759	2,438,239	2,263,342	2,535,912	2,804,744	3,001,283
Brine-salt	270,822	275,990	271,981	291,881	305,657	329,485
Greece—						
Sea-salt	100,713	81,132	94,000	84,000	(a)	(a)
Italy—						
Rock salt and brine salt	734,369	1,095,275	745,541	878,229	1,016,329	1,003,384
Sea-salt	1,041,263	888,111	886,367	712,136	(a)	(a)
Spring-salt	17,156	15,089	15,183	17,769	(a)	(a)
Netherlands (brine-salt)	403,111	477,714	408,260	452,398	504,950	576,000
Poland	654,000	(a)	504,000	550,700	557,800	583,800
Portugal—						
Rock-salt	41	38	44	48	52	47
Sea-salt (exports) . . .	30,279	28,911	22,590	2,978	2,244	1,236
Spain—						
Rock-salt	303,360	361,999	369,330	387,588	399,295	415,788
Sea-salt	887,336	879,189	644,656	976,625	873,205	706,751
Other salt	16,724	21,590	21,318	26,266	26,089	6,021
Switzerland	(a)	125,036	107,616	108,522	114,647	(a)
Yugoslavia	129,000	94,000	146,035	121,469	(a)	(a)
Algeria—						
Brine-salt and sea-salt..	75,054	95,593	80,058	58,900	97,100	100,618
Angola	39,834	48,451	56,602	56,896	54,295	56,934
Belgian Congo (rock-salt)	540	540	610	797	829	451
Canary Islands (sea-salt)	5,976	15,481	15,000	16,850	17,784	19,895
Cape Verde Islands . . .	19,457	23,725	17,805	10,460	20,827	(a)
Egypt	530,503	597,452	490,522	381,449	443,351	395,355
Eritrea (sea-salt)	53,070	(a)	149,948	158,367	177,386	178,212
Ethiopia (b)	10,000	10,000	10,000	10,000	(a)	(a)
French Somaliland	79,000	54,300	63,400	60,000	58,200	17,930
Libya (sea-salt)	9,000	12,000	12,000	12,000	15,000	14,602
Morocco (French)	59,052	64,929	39,368	40,150	31,580	39,511
Morocco (Spanish)—						
Sea-salt (b)	250	250	250	213	250	250
Mozambique—						
Rock-salt	61	87	101	108	98	137
Sea-salt	9,724	8,491	10,238	10,617	13,168	11,090
Tunis (sea-salt)	92,616	144,193	84,163	137,210	162,400	130,000
Costa Rica	8,300	5,359	2,232	3,830	4,035	2,009
Cuba (sea-salt)	(a)	49,473	55,119	50,208	53,094	62,201
Dominican Republic—						
Rock-salt	2,267	2,238	2,561	3,735	42,178	17,646
Sea-salt	12,398	7,964	16,482	13,450	14,239	316
Guatemala (sea-salt) . . .	11,300	11,800	11,785	11,433	(a)	(a)
Haiti (b)	(a)	(a)	29,900	34,400	29,900	(a)
Honduras	4,327	4,577	(b) 4,500	(b) 10,200	(b) 10,000	(a)
Mexico (b)	145,000	162,500	169,800	220,300	220,500	(a)
Netherlands West Indies	(a)	(a)	2,607	(a)	(a)	(a)
Nicaragua (sea-salt) . . .	11,152	12,044	13,007	13,751	14,318	9,445
Panama (sea-salt)	4,457	5,302	5,808	3,867	6,243	9,235
Porto Rico (sea-salt) . . .	9,050	10,080	8,610	(b) 10,000	(b) 10,000	(b) 10,000
Salvador	(a)	(a)	18,000	34,200	36,700	(a)
United States (sales)—						
Rock-salt	3,506,488	4,162,673	4,100,000	3,998,799	4,328,944	4,726,000
Salt in brine	8,368,977	10,616,187	9,800,000	11,257,181	10,556,897	11,986,000
Evaporated salt	2,972,579	3,263,221	3,125,000	3,305,629	3,331,328	3,559,700
Argentina (b)	295,000	410,000	480,000	446,000	490,000	500,000
Bolivia	(a)	(a)	(a)	2,000	2,000	2,000
Brazil (sea-salt)	781,638	1,224,700	768,289	749,279	664,658	571,645
Chile	46,676	48,145	50,830	36,137	(a)	(a)

(a) Information not available.

(b) Estimated.

(c) Exports.

PRODUCTION OF SALT (cont.)

Producing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
Colombia—						
Rock-salt	105,229	108,346	164,981	114,863	145,990	172,368
Sea-salt	34,492	27,623	37,597	42,147	35,664	39,994
Brine-salt	(a)	(a)	(a)	(a)	105,574	108,585
Ecuador (sea-salt)	15,500	32,200	26,580	27,560	157,000	34,346
Peru—						
Rock-salt	7,865	10,123	9,809	9,053	9,360	(a)
Sea-salt	52,105	52,299	62,526	64,927	70,120	(a)
Brine-salt	5,481	4,991	6,001	4,682	3,104	(a)
Venezuela (sea-salt)	55,547	38,305	114,217	71,440	82,097	61,165
Afghanistan	(a)	24,346	23,300	26,800	(b) 30,000	(a)
Burma—						
Sea-salt	18,020	60,675	56,701	60,934	94,626	103,549
Brine-salt	(b) 3,000	2,496	1,678	1,484	1,317	1,180
China (c)	2,500,000	3,000,000	3,500,000	4,000,000	5,400,000	(a)
Formosa (sea-salt)	172,297	279,763	324,542	168,742	387,899	453,120
Indo-China	74,526	92,425	130,830	72,910	143,833	(a)
Indonesia (d)	160,169	473,000	196,141	(b) 222,000	214,597	267,944
Iran	100,000	75,048	(b) 200,000	(b) 220,000	(b) 200,000	(b) 200,000
Iraq (e)	11,673	15,413	18,993	18,404	20,007	30,300
Israel (b)	18,000	12,000	15,000	21,300	20,000	10,000
Japan—						
Government-licensed plants (f)	413,000	431,000	426,700	453,800	422,800	544,500
Jordan (brine-salt)	(b) 10,000	(b) 10,000	7,145	6,945	10,341	7,583
Korea (South)	172,122	83,221	200,645	189,643	177,284	348,329
Lebanon (sea-salt) (b)	6,500	7,000	12,000	20,000	8,000	10,000
Philippine Republic—						
Sea-salt	55,394	51,454	16,506	46,984	47,313	78,733
Portuguese India	17,330	31,078	19,642	15,720	13,266	(a)
Siam (b)	200,000	400,000	280,000	280,000	230,000	250,000
Syria	20,000	5,306	19,368	13,632	14,511	(a)
Turkey—						
Rock-salt	20,009	22,474	24,605	26,752	29,611	27,996
Lake and spring salt	101,149	84,531	134,802	150,742	197,590	146,724
Sea-salt	179,263	159,518	150,767	165,347	246,102	192,277
TOTAL*	36,000,000	42,000,000	40,000,000	42,000,000	45,000,000	47,000,000
WORLD'S TOTAL*	44,700,000	51,500,000	48,900,000	51,400,000	54,500,000	57,300,000

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

(a) Information not available.

(b) Estimated.

(c) U.S. Bureau of Mines.

(d) Government production of brine-salt.

(e) Years ended March 31 of that stated.

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

EXPORTS OF SALT
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Rock-salt	9,507	5,451	6,039	8,625	5,507	5,017
Other salt	250,988	274,906	270,177	239,783	248,823	271,329
Anglo-Egyptian Sudan	14,042	12,321	28,939	12,829	3,726	24,651
Gold Coast	727	1,099	803	261	(a)	(a)
Kenya	9	365	186	3	1	1,332
Southern Rhodesia	321	454	455	495	(a)	(a)
South West Africa—						
Rock salt	463	1,167	1,809	1,567	1,786	1,679
Coarse salt	2,781	22,847	12,733	9,778	19,054	30,820
Other	413	927	404	171	138	263
Tanganyika	3,874	3,811	4,254	5,633	6,846	8,184
Uganda	2,131	2,295	2,000	2,092	2,174	2,077
Union of South Africa ..	16,093	15,031	19,923	17,279	14,000	8,222
Canada	3,660	4,073	2,539	2,101	1,070	130,778
British West Indies—						
Bahamas (b)	22,929	48,321	54,107	121,071	116,500	40,786
Leeward Islands	5,518	6,884	5,851	5,298	4,164	4,557
Turks and Caicos Islands	9,553	22,500	10,300	9,155	11,687	13,817
Aden	235,516	338,757	342,196	165,638	193,759	243,766
Ceylon	158	1	—	—	60	—
Hong Kong (including re-exports)	5,946	2,461	1,896	2,345	1,731	1,898
India—						
Trade by sea	7,838	17,659	228,893	262,584	194,596	199,589
Trade by land (c)	(a)	23,792	9,277	13,405	5,761	2,965
Malaya (including re-exports)	8,354	7,943	8,975	8,214	8,882	7,209
Australia—						
Rock-salt	353	24	1,552	62	} 20,809	21,556
Refined salt	2,126	856	8,170	11,985		
Other salt	19,158	13,389	12,556	4,658		
FOREIGN COUNTRIES						
Austria	6,428	6,048	1,889	68	149	44
Belgium-Luxemburg E.U.—						
Common salt	14	132	56	5	44	61
Refined salt	57	21	40	85	20	35
Denmark—						
Refined salt, etc.	178	81	84	70	391	620
France	108,341	122,452	75,106	50,947	59,359	92,184
Germany (Federal)—						
Rock-salt, sea-salt, etc. ..	583,574	691,434	609,738	626,607	711,548	749,540
Italy—						
Rock-salt and sea-salt ..	121,378	260,205	151,312	115,411	106,458	130,691
Netherlands—						
Rock-salt	—	—	79	620	305	69
Refined salt	255,799	293,483	249,023	259,545	280,812	324,933
Norway—						
Common salt	1,552	3,970	474	3,642	4,613	3,646
Refined salt	18	22	35	550	290	144

(a) Information not available.

(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.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal	30,279	28,911	22,590	2,978	2,244	1,236
Spain	176,004	359,095	299,539	326,992	328,258	388,205
Sweden	2,801	2,342	1,378	776	1,518	1,709
Algeria	22,288	14,213	20,918	28,755	42,001	47,788
Angola	18,324	21,796	20,360	14,161	19,613	19,991
Cape Verde Islands	(a)	23,212	23,913	22,188	18,316	16,825
Egypt—						
Common salt	201,224	341,424	79,200	272,094	325,546	223,473
Ethiopia (Eritrea) (c)	38,941	85,896	62,096	59,938	93,847	49,772
French Somaliland	52,069	60,502	11,041	16,209	19,661	28,034
Madagascar	892	1,005	919	1,562	1,642	1,625
Mozambique	1,742	1,047	1,575	1,098	754	1,303
Morocco (French)	207	(a)	16	20	84	—
Morocco (Spanish)	867	—	902	870	796	1,347
Tunis—						
Rock-salt and sea-salt	102,138	88,745	99,804	50,200	73,124	125,672
Cuba	453	362	362	272	109	(a)
Dominican Republic	(a)	(a)	(a)	1,649	18,135	14,833
Mexico	45	19,738	28,117	10,804	1,025	763
Netherlands West Indies	326	2,632	2,359	341	(a)	(a)
Salvador	376	2,359	2,451	1,762	1,036	1,084
United States	169,979	392,068	312,474	222,786	339,829	363,509
Argentina	19,672	(a)	18,970	9,636	23,443	23,624
Brazil	(a)	12	9	9	—	—
China	(a)	98,000	(a)	(a)	(a)	(a)
Formosa	200,000	235,275	178,546	171,350	214,004	239,932
Indo-China	(a)	(a)	35,723	55,726	51,080	(a)
Iran (b)	2,039	1,750	1,453	10,556	17,876	(a)
Japan	(a)	304	558	781	14	—
Portuguese India	9,081	5,909	7,535	(a)	(a)	(a)
Siam	95,519	138,921	(a)	165,579	188,495	(a)
Turkey	(a)	76,576	81,392	—	—	16,150

(a) Information not available.

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

(c) Years ended September 10 of that stated.

IMPORTS OF SALT

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Salt for use of fisheries ..	23,203	25,996	35,258	28,431	31,453	45,103
Other salt	369	351	290	1,597	669	2,912
Channel Islands	613	615	570	591	605	661
Malta—						
Refined salt	(£1,618)	(£1,925)	(£1,823)	£1,921	(£3,355)	(£2,777)
Other salt	(£202)	1	304	237	920	848
Anglo-Egyptian Sudan	223	57	93	3,546	351	88
Gambia	924	270	563	704	811	451
Gold Coast—						
Refined salt	38	75	25	152	6,342	9,138
Other salt	2,127	3,823	1,718	4,842		
Kenya	778	694	4,847	2,360	2,043	2,173
Mauritius	—	804	1	1,743	614	56
Nigeria	63,417	94,801	82,328	85,917	91,423	98,173
Northern Rhodesia	6,116	6,468	7,228	6,506	(b)	(b)
Nyasaland	4,474	3,608	4,993	4,224	(b)	(b)
Seychelles	1,401	84	54	128	262	579
Sierra Leone	2,875	5,047	4,109	5,433	5,014	7,092
Somaliland Protectorate	(a)	5	14	45	63	20
South West Africa	451	304	316	334	266	(a)
Southern Rhodesia ..	13,377	19,272	17,406	15,453	(c) 30,710	(c) 28,662
Tanganyika	1,568	1,614	7,933	3,396	2,484	2,140
Uganda	4,753	6,158	13,395	10,567	7,758	4,366
Union of South Africa—						
Rock-salt	196	27	140	414	744	(a)
Common salt and refined salt	2,890	8,235	4,313	6,619	17,544	(a)
Zanzibar	1,187	1,717	939	2,236	881	1,074
Canada (total imports)—						
Salt for use of fisheries	51,410	52,750	62,097	53,680	52,451	44,305
Refined salt	—	17	29	21	21	35
Other salt	161,303	178,324	195,127	220,703	278,253	281,759
British Honduras	382	411	257	427	318	442
British West Indies—						
Barbados	2,294	2,348	2,596	1,963	2,141	2,677
Bermuda	158	(a)	152	127	150	144
Dominica	415	144	360	373	341	38
Grenada	680	781	546	735	583	(a)
Jamaica—						
Rock-salt	45	27	79	10	247	133
Other salt	9,654	9,414	9,774	9,714	9,683	11,293
Leeward Islands ..	264	469	168	207	224	248
St. Lucia—						
Common salt	469	1,040	594	563	448	481
Refined salt	15	32	31	36	41	28
St. Vincent—						
Unrefined salt ..	292	387	220	288	364	221
Refined salt	56	84	221	168	50	149
Trinidad and Tobago—						
Rock and coarse salt ..	732	581	462	1,594	600	775
Refined salt	4,489	4,690	4,043	4,373	4,150	5,231
British Guiana—						
Rock and coarse salt ..	496	688	341	143	214	51
Refined salt, etc. ..	1,870	1,793	2,016	2,073	1,905	2,136

(a) Information not available.

(b) See under Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

IMPORTS OF SALT (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
Aden	7	13	21	26	33	95
Brunei	178	147	182	176	198	246
Ceylon—						
Refined salt	8	18	9	6	4	5
Other salt	30	22	30	18	41	40
Cyprus	17	56	43	77	64	117
Hong Kong (total imports)	45,072	29,174	27,738	31,842	30,022	32,599
India	146,875	2,351	2,070	11	431	28
Malaya (total imports)—						
Refined salt	110	135	127	152	161	240
Other salt	77,332	66,399	71,740	67,831	73,824	78,585
North Borneo	2,012	2,242	2,184	2,329	2,312	2,687
Pakistan (c) (d)	(a)	23,792	9,276	13,405	5,761	2,965
Sarawak	3,356	3,491	3,786	3,695	4,152	3,880
Australia—						
Rock-salt	6,332	4,049	2,095	5,415	2,349	8,834
Refined salt	1,951	4,560	2,294	1,646	5,106	
Other salt	3,420	7,678	2,246	1,824		
Fiji	867	1,179	2,692	571	1,417	1,330
New Guinea (b)	(£45,262)	(£4384)	617	341	357	711
New Hebrides	(a)	16	117	158	119	157
New Zealand	43,069	39,236	71,887	36,276	51,267	54,905
Papua (b)	(£41,675)	122	182	112	180	(a)
Solomon Islands (c)	7	9	14	14	28	24
Western Samoa	119	102	322	101	159	179
Irish Republic—						
Refined salt	2,815	2,558	3,805	1,786	32,052	1,939
Other salt	26,222	26,857	24,685	28,695			27,306
FOREIGN COUNTRIES						
Austria—						
Common salt	91	—	81	59	46	17
Belgium-Luxemburg E.U.—						
Common salt	310,443	428,049	323,689	377,874	420,751	448,150
Refined salt	96,271	68,113	72,133	77,264	76,731	78,576
Denmark—						
Rock-salt	1,511	1,050	1,955	1,237	1,208	1,169
Refined salt	96,396	102,387	102,359	112,730	111,838	121,124
Faroe Islands	10,788	5,124	6,726	23,872	20,311	11,218
Finland—						
Common salt	91,617	104,594	89,591	92,201	124,539	139,808
France	16,510	14,677	14,793	20,257	35,402	50,057
Germany (Federal)—						
Rock-salt, sea-salt, etc.	16	—	—	45	127	196
Iceland—						
Common salt	55,611	27,068	34,929	51,350	54,993	55,108
Refined salt	94	129	73	148	131	184
Italy—						
Rock and sea-salt	—	12	1,870	2,219	2,020	1,843
Netherlands—						
Rock-salt	57,101	59,037	65,486	53,887	60,355	58,552
Sea-salt, etc.	3,452	4,447	3,185	5,636	6,746	5,390
Refined salt	4	41	11	13	19	21
Norway—						
Common salt	217,484	219,295	242,205	188,704	189,549	229,687
Refined salt	29,012	34,992	25,928	26,780	32,950	33,345
Portugal	44	29	5	43	91	100

(a) Information not available.

(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.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Common salt	348,228	340,218	313,813	283,057	311,223	330,192
Switzerland	269	295	583	306	452	492
Yugoslavia	104,356	41,320	27,887	—	—	29,513
Algeria	127	133	132	154	153	171
Belgian Congo	31,549	31,452	39,058	34,763	38,376	39,555
Cameroon (French)	9,937	5,625	14,505	6,118	11,134	10,334
Egypt—						
Common salt	317	285	181	44	178	130
Ethiopia (b)	48,663	50,196	50,872	35,265	5,466	1,762
French Equatorial Africa	5,909	5,734	8,073	8,220	6,127	7,647
French Togoland	4,023	9,747	3,100	3,439	5,406	4,144
French West Africa	9,446	6,654	6,042	9,773	13,779	18,700
Liberia	(a)	(a)	(a)	1,832	1,881	1,839
Madagascar	621	182	103	9	1,826	804
Morocco (French)	1,736	2,146	3,625	5,569	4,172	(a)
Morocco (Spanish)	4,758	5,529	6,180	5,459	5,931	2,267
Mozambique	5,438	2,636	3,325	4,150	2,301	4,040
Portuguese Guinea	1,116	1,413	(a)	(a)	(a)	(a)
Reunion	(a)	1,149	1,137	1,029	1,738	1,447
S. Tome and Principe	423	385	463	407	431	(a)
Costa Rica	122	(a)	(a)	1,139	313	138
Cuba (total imports)	10,639	13,392	8,179	9,049	9,472	(a)
French West Indies—						
Guadeloupe	1,809	1,822	1,928	1,780	1,630	(a)
Martinique	2,369	1,775	1,926	2,358	1,773	1,265
Guatemala (total imports)	1,771	230	608	69	63	78
Honduras (d)	286	951	2,086	2,028	1,251	(a)
Mexico	111	471	638	585	1,085	1,013
Netherlands West Indies	520	470	518	474	396	464
Nicaragua (total imports)	350	451	514	834	535	937
St. Pierre and Miquelon	4,006	—	4	5	2,447	1,090
Salvador	68	127	31	70	218	200
United States	7,026	3,865	6,300	122,597	143,545	195,761
Bolivia	(a)	(a)	687	480	212	(a)
Brazil (total imports)—						
Common salt	(a)	711	146	(a)	(a)	(a)
Refined salt	(a)	—	—	11	34	17
Columbia	(a)	36	6	14	39	107
Dutch Guiana	915	880	954	1,003	950	905
French Guiana	360	186	274	176	291	243
Peru	—	2	15	15	38	1
Uruguay—						
Rock-salt	10,586	130	250	100	(a)	(a)
Coarse salt	46,064	34,964	61,412	50,940	(a)	(a)
Burma (total imports)	(a)	(a)	(a)	366	347	381
Indo-China	755	712	1,565	690	(a)	(a)
Indonesia	94	157	76	104	28	23
Iran (c)—						
Common salt	—	293	—	5	141	(a)
Refined salt	7	8	—	2	—	(a)
Iraq	9	21	—	—	55	(a)
Japan	632,662	1,779,503	1,447,293	1,362,278	1,715,993	1,993,037
Korea (e)	(a)	14,266	40,193	9,161	—	—
Lebanon	8,453	9,726	5,672	2,158	6,246	10,157
Syria	2	—	(a)	8	15	(a)
Philippine Republic—						
Crude	—	44	38	19	428	(a)
Refined	2,388	1,926	1,689	662	1,236	(a)
New Caledonia	47	592	417	423	455	434

(a) Information not available.

(b) Years ended September 10 of that stated.

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

(d) Years ended June 30 of that stated.

(e) C.R.I.K. supplies.

SELENIUM
PRODUCTION OF SELENIUM
 (lb. avdp.)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Northern Rhodesia (b) ..	27,056	9,772	31,758	46,320	14,354	16,496
Canada	261,973	382,603	242,030	262,346	323,529	427,109
Australia	2,394	1,924	2,000	3,791	3,442	2,455
FOREIGN COUNTRIES						
Belgium (exports) ..	(a)	24,251	37,479	61,729	65,036	61,068
Finland	1,517	3,146	5,758	7,225	5,567	(a)
Sweden (exports) ..	83,776	90,390	98,291	110,231	154,324	134,482
Mexico	1,458	—	—	2,798	14,703	132,758
United States (c) (d) ..	558,931	494,912	687,384	923,887	713,244	699,296
Peru	—	—	—	—	4,057	(e) 6,726
Japan	32,196	43,998	58,694	65,572	92,345	127,055
WORLD'S TOTAL ..	996,300	1,051,000	1,163,400	1,483,900	1,386,600	1,612,500

(a) Information not available.

(b) Contained in copper slimes exported for treatment.

(c) Including selenium content of compounds.

(d) In addition secondary selenium recovered was as follows: 1952—66,781 lb.; 1953—97,498 lb.; 1954—126,532 lb.; 1955—152,317 lb.

(e) Exports.

EXPORTS OF SELENIUM
 (Domestic Produce)
 (lb. advp.)

Exporting Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Northern Rhodesia (b) ..	27,056	9,772	31,758	46,320	14,354	16,496
Canada (c)	542,401	370,473	244,121	253,620	344,292	334,215
FOREIGN COUNTRIES						
Belgium-Luxembourg						
E.U.	(a)	24,251	37,479	61,729	65,036	61,068
Germany (Federal) ..	(a)	(a)	5,732	19,621	23,149	14,771
Sweden	83,776	90,390	98,291	110,231	154,324	134,482
Mexico	1,457	—	—	2,798	14,614	132,758
Peru	—	—	—	—	3,677	6,726
Japan	(a)	48,061	45,237	(a)	(a)	(a)

(a) Information not available.

(b) Contained in copper slimes exported for treatment.

(c) Including salts.

IMPORTS OF SELENIUM

(Less Re-exports)

(lb. avdp.)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom ..	197,873	191,656	178,520	213,128	190,612	179,088
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	(a)	—	33,069	2,205	220	2,205
France (b)	9,259	39,904	50,045	44,754	36,156	45,415
Germany (Federal)	(a)	(a)	70,989	88,185	155,646	137,789
Italy	(a)	(a)	(a)	(a)	7,994	7,496
Sweden	—	—	534	—	—	2,205
United States (c)	363,312	246,552	123,135	99,865	209,596	191,928
Brazil (total imports)	(a)	(a)	2,575	5,739	3,071	7,198
Peru (c)	231	2	—	117	88	90

(a) Information not available.

(b) Including tellurium.

(c) Including salts.

SILLIMANITE, Etc.
PRODUCTION OF SILLIMANITE, ETC.
(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Bechuanaland Protectorate—						
Kyanite	—	1,984	2,130	1,750	1,834	750
Kenya—						
Kyanite	8,834	2,640	961	67	} 4,018	2,706
Mullite	2,311	8,000	7,475	5,367		
Nyasaland—						
Kyanite	—	—	40	1,208	1,450	—
South West Africa—						
Kyanite and sillimanite	—	58	2,679	2,426	125	214
Tanganyika (exports)—						
Kyanite	—	—	—	20	—	—
Union of South Africa—						
Andalusite	7,429	(d) 11,306	(d) 19,176	(d) 10,511	(d) 16,227	(d) 17,285
India—						
Kyanite	35,488	42,501	26,882	15,374	42,330	(a)
Sillimanite	1,475	4,048	5,076	5,491	3,066	(a)
Australia—						
Sillimanite (b)	1,581	871	1,333	3,557	2,337	2,679
FOREIGN COUNTRIES						
Sweden—						
Andalusite	670	—	—	—	—	—
United States—						
Kyanite (c)	12,000	15,000	30,000	35,000	33,000	43,000

(a) Information not available.

(b) Including andalusite and fibrolite. In addition the following amounts of kaolinised sillimanite ("dickite") were produced: 1951—260 (incomplete); 1952—1,774; 1953—2,477; 1954—2,476. 1955—2,948. Information for previous years is not available.

(c) Estimated.

(d) Including sillimanite.

EXPORTS OF SILLIMANITE, ETC.
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Bechuanaland Protectorate—						
Kyanite	—	2,056	2,385	1,960	2,054	840
Kenya—						
Kyanite (incl. mullite)	9,588	9,894	8,578	4,401	3,634	2,855
Nyasaland—						
Kyanite	—	—	—	1,234	1,335	—
South West Africa—						
Kyanite	—	—	1,719	} 1,246	22	67
Sillimanite	—	49	390			
Tanganyika—						
Kyanite	—	—	—	20	—	—
Union of South Africa—						
Andalusite and sillimanite	—	1,530	4,530	2,709	6,417	10,663
India—						
Kyanite	32,496	25,176	26,772	15,748	22,216	27,189
Sillimanite	471	2,504	4,214	3,232	2,414	3,745
Australia (b)—						
Kaolinised sillimanite .. (c)	753	271	101	—	10	—
("dickite")						
FOREIGN COUNTRIES						
Italy—						
Kyanite	—	—	20	—	—	147
United States—						
Kyanite, etc.	940	884	1,008	921	1,024	1,532

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Revised.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b)—						
Kyanite, sillimanite, etc.	12,700	7,400	14,200	8,800	13,700	13,300
Canada—						
Kyanite, etc.	509	724	1,156	774	691	1,181
Australia (c) (d)—						
Kyanite	500	449	—	303	66	402
Sillimanite	—	28	15	55	—	36
FOREIGN COUNTRIES						
France—						
Kyanite	1,198	1,399	1,249	906	1,708	1,770
Sillimanite	530	775	1,204	1,375	870	1,170
Germany (Federal)—						
Kyanite and sillimanite	(a)	(a)	6,327	3,752	5,318	8,997
Mullite	(a)	(a)	1,479	679	364	495
Italy—						
Kyanite (incl. mullite) .. (e)	1,026	583	1,089	1,655	1,862	2,251
United States—						
Kyanite, sillimanite, etc.	15,551	17,473	8,087	5,910	4,309	6,769

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

(a) Information not available.

(d) Revised.

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

(e) July to December only.

(c) Years ended June 30 of that stated.

SILVER
PRODUCTION OF SILVER
(Metal content)
(Fine troy ounces)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	18,153	26,777	30,734	28,914	26,497	29,706
Bechuanaland						
Protectorate	39	70	282	464	292	189
Gold Coast (b)	43,317	52,853	44,116	44,949	48,214	39,284
Kenya	2,586	2,150	17,315	21,758	1,325	1,770
Nigeria	304	213	183	173	182	172
Northern Rhodesia (c) ..	173,304	100,702	348,954	514,699	403,069	402,466
Southern Rhodesia	85,549	79,731	81,356	84,566	81,657	76,837
South West Africa (f) ..	630,111	810,934	925,374	835,241	855,290	1,279,213
Swaziland	60	18	—	—	—	—
Tanganyika (e)	50,624	111,348	172,083	264,852	211,478	373,100
Uganda (b)	35	14	14	55	85	70
Union of South Africa ..	1,119,135	1,162,588	1,176,433	1,193,152	1,235,418	1,461,336
Canada	23,221,431	23,125,825	25,222,227	28,299,335	31,117,949	27,901,427
India	15,676	14,612	17,675	14,624	161,185	(a)
Australia	10,677,456	10,792,032	11,425,872	12,402,963	13,826,594	14,555,412
Fiji	37,740	24,869	25,838	19,328	21,277	20,421
New Guinea	(h) 36,189	(h) 38,556	63,011	58,794	49,062	44,713
New Zealand	199,701	133,291	51,016	75,888	33,049	27,930
Total	36,312,000	36,476,300	39,603,000	43,860,000	48,073,000	46,300,000
FOREIGN COUNTRIES						
Austria	868	6,108	4,501	5,144	5,594	3,537
Czechoslovakia (g) ..	1,608,000	1,608,000	1,608,000	1,608,000	1,608,000	(a)
Finland	115,936	157,281	150,080	235,794	239,459	224,573
France	719,855	705,902	712,171	675,519	555,951	514,000
Germany (Federal) ..	1,637,116	1,819,957	1,877,700	2,314,436	2,400,246	2,226,117
Greece	—	65,845	71,760	73,272	85,360	77,869
Italy	688,900	702,500	693,900	(i) 902,500	757,500	819,000
Norway	168,181	165,015	147,006	113,138	131,271	70,700
Portugal	68,288	65,427	77,740	59,447	55,299	58,900
Spain	585,938	613,436	828,075	1,209,125	1,312,522	1,473,629
Sweden	1,275,709	1,145,917	2,196,282	1,571,464	2,215,604	2,397,738
Yugoslavia (refined) ..	2,386,839	3,032,008	2,577,043	3,048,019	2,829,394	2,983,589
Algeria	32,119	8,681	(a)	48,200	57,900	61,100
Belgian Congo	4,459,300	3,795,070	4,727,252	4,951,000	4,533,000	4,083,000
Morocco (French) ..	1,007,900	1,865,000	2,283,000	2,251,000	1,929,000	2,315,000
Mozambique	71	83	102	209	43	(a)
Tunis	71,825	61,119	167,409	125,034	106,100	91,726
Costa Rica	200	582	—	—	—	—

(a) Information not available.

(b) Exports.

(c) Recovered from copper-refinery slimes.

(d) Estimated.

(e) Including silver in lead concentrates exported amounting to 20,585; 77,273; 135,212; 223,434; 169,589 and fine troy ounces in 1950; 1951; 1952; 1953; 1954 and 1955 respectively.

(f) Accounted for by smelters.

(g) U.S. Bureau of Mines estimate.

(h) Years ended June 30 of that stated.

(i) Revised.

PRODUCTION OF SILVER (cont.)

Producing Country	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba (b)	221,779	172,318	163,211	167,895	179,479	(a)
Guatemala	(e) 339,360	(e) 309,857	(e) 371,679	458,481	(e) 284,000	(a)
Honduras	3,514,976	3,182,502	3,650,599	4,783,969	d 5,454,791	(a)
Mexico	49,141,445	43,797,735	50,353,561	47,886,441	39,896,467	47,957,655
Nicaragua	187,953	206,882	238,389	252,697	218,148	268,316
Panama	(a)	5,026	—	—	—	—
Salvador	462,840	323,793	349,182	348,328	256,772	230,054
United States	42,459,014	39,764,932	39,452,330	37,570,838	36,941,384	36,734,565
Argentina	1,150,000	1,253,879	962,948	895,474	1,639,688	1,490,000
Bolivia (c)	6,548,110	7,164,118	7,065,608	6,787,440	6,624,950	5,851,242
Brazil	21,155	20,319	17,301	211,938	212,066	177,376
Chile	742,489	983,491	1,246,356	1,497,839	1,488,997	1,714,495
Colombia	116,104	130,028	123,165	117,383	112,534	112,036
Ecuador	273,200	33,600	82,200	86,600	35,100	47,500
Peru (f)	14,758,403	17,379,137	19,179,525	19,650,695	20,405,883	20,954,823
Burma	(a)	280,720	154,783	718,333	1,278,289	1,537,895
Formosa	(e) 20,603	32,762	6,720	40,671	40,156	63,948
Japan	3,964,733	4,610,031	5,177,909	6,028,489	6,162,815	5,948,627
Korea (South)	10,160	5,401	6,141	52,149	50,252	79,637
Philippine Republic	216,034	274,602	693,751	572,046	527,160	502,069
Saudi Arabia	124,287	109,912	111,946	150,626	61,530	—
Total*	140,000,000	136,000,000	148,000,000	147,000,000	141,000,000	146,000,000
WORLD'S TOTAL* ..	177,000,000	173,000,000	188,000,000	191,000,000	189,000,000	192,000,000

*Totals exclude estimates for the U.S.S.R. for which no authentic figures are available. (In 1954 Russian production is estimated by the U.S. Bureau of Mines to have been 25,000,000 troy ounces). An allowance however, has been made for those other countries where information is not yet available.

(a) Information not available.

(b) Imports into the United States.

(c) Exports.

(d) Year ended June 30 of that stated.

(e) U.S. Bureau of Mines.

(f) Figures for 1950, 1951 and 1952 include silver recovered from anode residues.

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

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom (b)—						
Refined bullion ..	21,582,042	18,111,753	13,746,387	12,892,517	12,049,160	11,392,486
Unrefined bullion ..	—	—	—	22,881	—	—
Malta (b)—						
Bullion and scrap ..	1,300	1,400	2,000	700	—	—
Anglo-Egyptian Sudan (b)						
Bullion ..	1,200	900	—	—	(a)	(a)
Gold Coast—						
Bullion ..	43,317	52,853	44,116	44,949	48,214	39,284
South West Africa—						
Concentrates (d) ..	(a)	(a)	(a)	(a)	(a)	1,279,214
Southern Rhodesia—						
Bullion ..	84,227	78,935	83,898	85,506	79,442	80,128
Tanganyika—						
Concentrates ..	20,585	77,273	135,212	223,780	169,638	(e) 330,000
Refined bullion ..	31,014	36,271	35,900	41,234	42,156	43,292
Uganda—						
Bullion ..	35	14	14	55	85	70
Union of South Africa—						
Bullion ..	506,959	20	—	—	70	(a)
British West Indies (b)—						
Trinidad and Tobago—						
Bullion ..	40,000	—	—	60	—	—
Canada—						
Ore, concentrates, etc.	3,494,107	2,413,288	3,546,448	5,686,518	8,672,340	5,873,873
Bullion ..	8,355,183	16,183,364	14,928,515	14,632,914	14,467,015	16,598,577
Hong Kong (b)—						
Bullion ..	5,021,000	2,139,000	1,980,000	1,280,000	585,000	1,033,000
Malaya (b)—						
Bullion ..	354,300	215,600	1,204,400	1,600,200	1,151,500	502,000
Australia—						
Ores and concentrates ..	1,390,000	1,400,000	1,324,843	2,204,790	1,943,150	1,907,303
Silver-lead bullion ..	2,623,698	2,446,983	2,264,284	3,382,302	2,908,945	3,318,541
Bullion, refined ..	7,488,141	7,180,541	5,954,090	5,162,656	7,417,670	5,941,917
do. unrefined ..					13,500	72,182
Fiji—						
Bullion ..	29,065	31,408	22,035	14,677	17,794	12,300
New Guinea (c)—						
Bullion ..	36,326	38,639	53,429	64,420	50,919	46,922
New Zealand ..						
Concentrates ..	2,117	—	843	3,016	22,153	8,584
Scrap, sweepings, etc. ..	12,630	2,106	84	—	(a)	(a)
Beaten, rolled or drawn ..	93,000	2,000	750	31,000	20,000	3,000
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U. (b)—						
Bullion and scrap ..	(a)	(a)	(a)	4,372,000	3,495,000	2,432,000
Beaten, rolled or drawn ..						
Denmark (b)—						
Bullion ..	56,000	47,000	57,000	39,000	43,500	40,000
Beaten, rolled or drawn ..	5,000	2,400	1,400	2,000	—	600

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

(a) Information not available.

(b) Including foreign produce.

(c) Years ended June 30 of that stated.

(d) Recoverable from lead complex concentrate.

(e) Estimated.

EXPORTS OF SILVER (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)						
France—						
Bullion	995,000	411,000	272,000	52,000	64,000	(a)
Beaten, rolled or drawn	201,000	193,000	169,000	191,000	299,000	390,000
Germany (Federal) (b)—						
Bullion	(a)	(a)	(f)2,820,000	6,522,000	8,413,000	9,017,000
Italy—						
Bullion, etc (c)	3,600	19,000	79,000	4,000	10,000	146,000
Netherlands (b)—						
Bullion and scrap	256,000	6,912,000	789,000	1,081,000	10,023,000	18,768,000
Sweden—						
Bullion	250,000	233,000	174,000	495,000	560,000	565,000
Switzerland (b)—						
Bullion	551,000	112,000	13,700	421,200	303,000	169,000
Yugoslavia—						
Bullion	(a)	(a)	(a)	(a)	2,428,000	1,756,000
Belgian Congo—						
Bullion	(a)	29,400	30,700	172,000	37,000	32,000
Morocco (French)—						
Bullion	(a)	(a)	299,000	670,000	617,000	(a)
Honduras (d)—						
Bullion	3,417,887	2,812,578	2,702,424	3,622,906	5,216,283	(a)
Cuba (e)—						
Bullion, etc.	221,779	172,318	163,211	166,895	179,479	366,673
Mexico—						
Bullion, etc.	42,700,000	29,000,000	24,000,000	36,930,000	42,356,000	37,931,000
Nicaragua—						
Bullion	184,000	188,000	246,000	230,000	207,000	235,000
Salvador—						
Bullion	411,000	354,000	354,000	328,000	238,000	212,000
United States—						
Ore and base bullion	(a)	65	—	—	29,917	71,074
Refined bullion	4,598,285	6,393,925	2,004,933	1,022,773	1,672,618	4,821,635
Bolivia—						
Ores, etc.	6,548,110	7,164,118	7,065,608	6,787,440	6,624,950	5,851,242
Chile—						
Ores	(a)	473,195	820,176	1,197,740	1,220,521	(a)
Peru—						
Ores, concentrates, etc.	4,500,000	6,807,000	7,141,000	7,185,000	8,918,000	8,961,000
Bullion	7,200,000	6,754,000	9,084,000	6,978,000	10,273,000	11,347,000
Japan—						
Bullion, beaten, rolled or drawn	(a)	(a)	(a)	6,356,000	4,013,000	963,000
Philippine Republic—						
Concentrates	(a)	—	24,700	69,134	39,268	10,181
Bullion	—	7,000	74,000	—	—	2,785

(a) Information not available.

(b) Including foreign produce.

(c) Gross weight.

(d) Years ended June 30 of year stated.

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

(f) April to December only.

TOTAL IMPORTS OF SILVER*
(Metal content)
(Fine troy ounces)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ores	3,075,000	2,805,000	3,668,000	3,603,000	3,467,000	4,472,000
Unrefined bullion	2,601,654	1,590,915	1,840,268	2,068,943	951,933	2,155,316
Refined bullion	7,287,943	10,191,575	8,381,916	31,656,236	22,167,632	27,296,133
Malta—						
Bullion	1,900	3,700	3,200	5,800	3,400	4,400
Anglo-Egyptian Sudan—						
Bullion	320	30	20,600	6,600	(a)	(a)
Gold Coast—						
Bullion	28,870	59,954	148,277	115,625	104,123	105,440
Kenya and Uganda—						
Bullion	700	300	200	300	—	—
Nigeria—						
Bullion	6,601	47,575	4,574	—	3,345	24,030
Sierra Leone—						
Bullion	381	1,251	2,633	3,443	3,295	1,428
Union of South Africa—						
Bullion	25,302	782,076	1,048,983	502,950	(a)	(a)
Zanzibar—						
Bullion	—	50	—	—	—	—
Canada—						
Bullion	341,605	1,050,299	145,898	287,497	60,165	87,128
British Guiana—						
Bullion	—	90	40	—	800	—
British West Indies—						
Jamaica—						
Bullion	1,200	600	600	—	1,200	(a)
Trinidad and Tobago—						
Bullion	100	40	6,800	—	—	1,700
Ceylon—						
Bullion	23,000	37,000	40,000	50,000	1,200	5,000
Cyprus—						
Bullion	2,800	4,800	3,300	4,600	1,300	(a)
Hong Kong—						
Bullion	1,055,000	893,000	1,027,000	336,000	110,000	134,000
India—						
Bullion	112,207	135,395	107,762	201,083	—	399
Malaya—						
Bullion	1,800	5,400	200	800	300	600
Sarawak—						
Bullion	5,200	2,900	900	40	17,000	2,400
Australia—						
Bullion and matte	74,688	79,186	124,440	63,123	103,818	75,871
Fiji—						
Bullion	119	233	—	130	280	—
New Zealand—						
Bullion	121	674	315	21,677	59,123	30,556
Beaten, rolled drawn	7,400	5,800	600	800	1,400	4,000
Irish Republic—						
Bullion	(a)	(a)	(a)	(a)	(a)	2,100
FOREIGN COUNTRIES						
Austria—						
Bullion	(a)	(a)	(a)	127,000	174,000	1,174,000
Belgium-Luxemburg						
E.U.—						
Bullion and scrap	(a)	4,557,000	(a)	1,511,000	3,000,000	704,000
Beaten, rolled or drawn						

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

(a) Information not available.

IMPORTS OF SILVER (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Bullion	1,260,000	836,000	1,065,000	1,318,000	1,160,000	1,060,000
Beaten, rolled or drawn	688,000	1,032,000	849,000	977,000	1,009,000	1,141,000
Finland—						
Bullion, etc.	112,000	1,360,000	202,000	3,100	430,000	335,000
France—						
Bullion	1,452,000	2,927,000	2,529,000	4,195,000	3,735,000	(a)
Beaten, rolled or drawn	145,200	60,000	57,000	43,500	91,000	173,000
Germany (Federal)—						
Bullion	(a)	(a)	(c) 7,334,000	2,506,000	15,039,000	24,218,000
Italy—						
Bullion, etc. (b) ..	631,000	1,433,000	2,905,000	4,902,000	8,075,000	7,404,000
Netherlands—						
Bullion and scrap ..	1,528,000	(b) 1,247,000	1,211,000	1,732,000	1,704,000	1,608,000
Norway—						
Bullion	(a)	(a)	(a)	957,000	992,000	974,000
Beaten, rolled or drawn	700,000	577,000	906,000	785,000	1,015,000	992,000
Sweden—						
Bullion	3,800,000	1,800,000	1,124,000	2,499,000	4,527,000	901,000
Switzerland—						
Bullion	1,020,000	3,110,000	1,950,000	2,938,000	5,800,000	5,400,000
Algeria—						
Bullion and scrap ..	(a)	32,000	73,000	46,000	47,000	—
Beaten, rolled or drawn	63,000	76,000	130,000	114,000	136,000	196,000
Egypt—						
Bullion and scrap ..	(a)	(a)	13,500	5,600	7,000	16,500
Guatemala—						
Bullion	82,000	—	82,000	—	—	(a)
United States—						
Ore and base bullion ..	33,898,797	29,020,568	30,779,137	37,685,219	49,008,443	55,658,175
Refined bullion	74,150,114	51,990,826	44,737,809	43,824,916	41,888,631	28,861,015
Brazil—						
Bullion	(a)	1,215,000	320,000	341,000	1,106,000	284,000
Colombia—						
Bullion	(a)	40,000	211,000	(b) 186,000	(b) 487,000	b 1,041,000
Turkey—						
Bullion, etc.	(a)	7,600	112,000	72,000	24,000	25,000

(a) Information not available.

(b) Gross weight.

(c) April to December only.

STRONTIUM MINERALS
PRODUCTION OF STRONTIUM MINERALS
(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Celestite	6,653	16,350	8,100	2,965	2,100	4,750
Pakistan—						
Celestite	(a)	136	431	820	349	434
FOREIGN COUNTRIES						
Italy—						
Celestite	(a)	—	25	—	(a)	(a)
Tunis—						
Celestite	—	171	—	—	—	—
Strontianite	148	399	30	—	—	—
Mexico (b)—						
Celestite	1,707	1,932	1,178	2,209	1,723	1,786

Strontianite is also produced in Germany.

(a) Information not available.

(b) Exports.

EXPORTS OF STRONTIUM MINERALS, ETC.
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Celestite (b)	5,942	10,689	7,286	3,940	1,236	3,619
FOREIGN COUNTRIES						
France—						
Strontianite	3	10	—	—	2	5
Oxide	—	6	6	1	—	(a)
Germany (Federal)—						
Strontianite and						
celestite	(e) 18	(e) (c) 49	—	—	—	12
Strontium compounds	11	15	—	—	—	(a)
Italy—						
Strontianite and celestite	(d) 159	962	1	42	—	—
Tunis—						
Strontianite	(a)	428	(a)	—	—	689
Celestite	(a)	70	(a)	—	—	—
Mexico—						
Celestite	1,707	1,932	1,178	2,209	1,723	1,786

(a) Information not available.

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

(c) January to September only.

(d) July to December only.

(e) Including witherite.

IMPORTS OF STRONTIUM MINERALS, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
New Zealand— Strontium compounds	(£NZ528)	(£NZ54)	(£NZ398)	(£NZ138)	(£NZ265)	(a)
FOREIGN COUNTRIES						
France—						
Celestite	—	111	483	60	60	120
Strontianite	147	354	129	—	—	579
Germany (Federal)—						
Strontianite and celestite	(a)	(a)	—	290	321	438
United States—						
Strontianite and celestite	7,706	12,539	8,497	6,158	2,938	5,468
Strontium compounds	16	—	(a)	7	3	3
Turkey—						
Strontium compounds	—	1	1	1	1	2

(a) Information not available.

SULPHUR
PRODUCTION OF SULPHUR*
(Long tons)

Producing Country and Description	Estimated Sulphur Content											
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES												
United Kingdom—												
Spent oxide	(a)	(a)	(a)	(a)	(a)	(a)	117,100	141,300	104,800	136,300	145,400	129,821
Anhydrite	(a)	(a)	(a)	(a)	(a)	(a)	(a)	216,300	232,400	242,000	233,500	280,912
Other (b)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	5,400	14,900	23,700	40,800	45,891
Canada—												
Smelter gas	(a)	(a)	(a)	(a)	(a)	(a)	134,540	139,667	143,346	153,750	197,542	200,408
Hydrogen sulphide (d) ..	—	—	(a)	(a)	(a)	(a)	—	—	7,974	16,337	20,821	23,193
Australia—												
Sulphur recoverable from zinc concentrates	(a)	(a)	(a)	(a)	(a)	(a)	107,900	99,900	105,800	120,700	130,500	122,600
Spent oxide	12,000	12,000	12,000	13,579	11,702	13,778	5,270	4,717	4,211	5,432	4,300	5,511
New Zealand	—	—	486	—	—	—	—	—	(a)	—	—	—
FOREIGN COUNTRIES												
France—												
Sulphur rock	140,245	265,636	378,664	301,375	—	—	5,571	10,905	17,692	10,710	—	—
Greece—												
Sulphur rock	—	—	—	10,152	20,596	28,575	(a)	(a)	—	1,200	2,500	3,400
Italy—												
Sulphur rock	1,717,018	1,707,806	1,846,692	1,892,142	1,753,160	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Fused (e)	209,766	197,382	232,705	224,160	200,214	176,916	209,766	197,382	232,705	224,160	200,214	176,916
Ground sulphur rock (e) ..	16,383	22,120	21,489	16,940	22,803	21,560	4,900	6,600	6,400	5,100	6,800	6,500
Norway (c)	94,671	96,854	103,133	101,703	99,806	98,863	94,387	96,563	102,824	101,672	99,056	98,833
Portugal (c)	14,202	13,903	15,510	16,697	16,099	15,465	14,032	13,722	15,308	16,480	15,890	15,264
Spain—												
Sulphur rock	50,277	49,846	35,795	37,849	39,736	47,891	12,600	13,500	9,600	10,600	12,300	13,200
Refined sulphur (f)	40,112	42,243	51,859	40,224	43,327	38,538	40,112	42,243	51,859	40,224	43,327	38,538
Sweden—												
Sulphur	14,406	14,796	17,781	23,702	27,425	28,419	14,406	14,796	17,781	23,702	27,425	28,419

* See also Pyrites (page 288).

(a) Information not available.
(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.

PRODUCTION OF SULPHUR (cont.)

Producing Country and Description	Estimated Sulphur Content												
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955	
FOREIGN COUNTRIES (cont.)													
Egypt (h)	(a)	(a)	3,073	3,266	3,736	3,755	(a)	(a)	3,073	3,266	3,736	3,755	
Mexico—													
Mined (f)	9,600	10,904	11,784	6,000	62,000	467,979	9,600	10,904	11,784	6,000	62,000	467,979	
Refined sulphur (e)	—	19,444	36,504	27,591	32,000	28,000	—	19,444	36,504	27,591	32,000	28,000	
United States—													
Crude sulphur (f)	5,192,184	5,278,249	5,293,145	5,155,342	5,514,640	5,743,344	5,192,184	5,278,249	5,293,145	5,155,342	5,514,640	5,743,344	
Sulphur ore (g)	3,327	3,945	8,536	151,819	214,157	(a)	1,072	1,365	2,197	38,257	64,333	(a)	
Smelter gas (b)	661,529	736,672	774,177	775,969	791,049	(a)	216,000	240,800	253,000	253,000	258,600	(a)	
By-product sulphur (c)	146,183	187,109	254,287	344,020	361,391	(a)	142,475	184,013	251,198	341,660	359,271	401,650	
Hydrogen sulphide (c)	46,977	70,257	77,307	92,787	85,255	(a)	41,963	59,613	66,512	80,167	73,046	(a)	
Argentina—													
Refined sulphur ..	7,662	7,560	15,000	16,000	17,000	(a)	7,662	7,560	15,000	16,000	17,000	(a)	
Bolivia (exports)—													
Refined sulphur ..	4,307	7,638	5,497	2,458	2,566	3,976	4,307	7,638	5,497	2,458	2,566	3,976	
Chile—													
Refined sulphur ..	(a)	29,820	47,821	32,275	39,075	(a)	22,065	29,672	47,582	32,114	38,880	(a)	
Colombia—													
Refined sulphur	1,461	2,274	2,566	2,660	5,100	5,400	1,461	2,274	2,566	2,660	5,100	5,400	
Ecuador—													
Sulphur ..	27	1	2,600	1,000	(a)	(a)	27	1	2,600	1,000	(a)	(a)	
Peru—													
Crude ..	—	2,018	—	(a)	—	(a)	—	1,211	—	404	—	(a)	
Refined sulphur ..	2,111	1,040	5,066	4,516	—	(a)	2,100	1,035	5,041	4,493	—	(a)	
Formosa—													
Refined sulphur ..	72	2,732	5,001	3,423	5,873	4,854	72	2,732	5,001	3,423	5,873	4,854	
Iran—													
Sulphur (d)	1,500	1,500	1,500	(a)	(a)	250	(a)	(a)	(a)	(a)	(a)	140	
Japan—													
Refined sulphur ..	91,960	140,181	176,651	186,555	184,744	199,675	91,960	140,181	176,651	186,555	184,744	199,675	
Philippine Republic (i)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
Turkey—													
Refined sulphur ..	6,502	7,273	8,248	9,693	9,837	11,318	6,495	7,266	8,240	9,683	9,827	11,307	

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

(b) Estimated sulphur content of gas driven off in the smelting of zinc and copper concentrates, recovered as sulphuric acid.

(f) Frasch-process mines.

(g) Other mines.

(h) Recovered from petroleum refineries.

(i) Including sulphur recovered from gold and silver mines.

(a) Information not available.

(c) Produced in treatment of industrial gases.

(d) Estimated.

(e) Recovered from natural gas.

EXPORTS OF SULPHUR
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom ..	6,057	430	1,162	1,181	2,109	2,102
Union of South Africa ..	27	25	98	62	75	(a)
Canada	58	39	—	4,136	2,981	2,274
Trinidad	(a)	(a)	—	831	1,013	2,208
Hong Kong (re-exports)	5,065	638	92	—	—	—
Malaya (including re-exports)	54	16	13	4	7	3
Australia—						
Zinc concentrates (S content) (b) ..	47,500	42,100	61,600	63,500	71,900	62,500
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U.	2,740	4,741	2,761	3,356	3,436	4,595
France—						
Rock	40	308	470	28	25	—
Crude	916	2,618	3,632	1,774	5,910	12,727
Unrefined ground ..	1,405	3,277	1,512	644	600	1,126
Refined lump	10,005	10,796	3,446	2,423	5,680	5,379
Flowers of sulphur ..	57	313	248	85	12	18
Precipitated sulphur ..	6	8	20	2	2	1
Germany (Federal)	7,127	1,323	8,580	18,315	15,707	19,700
Italy—						
Crude		78,957	50,747	6,832	518	44,306
Refined	235,934	26,585	27,011	5,397	7,694	5,658
Flowers of sulphur ..		374	345	262	345	413
Precipitated sulphur ..		6	20	10	—	17
Netherlands—						
Crude	9	—	2,684	8,667	8,031	4,625
Refined	5	4	225	340	697	24
Norway	74,959	69,062	60,655	64,836	97,692	77,802
Portugal	59	6,685	2,660	480	651	573
Spain—						
Crude	—	1,364	1,025	—	—	—
Refined	1,331	4,340	991	3	—	—
Sweden	112	157	375	4,488	4,296	1,295
Mexico	631	6,844	8,940	4,462	49	177,500
United States—						
Crude	1,440,996	1,283,073	1,304,154	1,251,951	1,661,258	1,609,944
Refined and flowers of sulphur	37,526	24,044	34,213	29,475	30,130	34,487
Bolivia	4,307	7,638	5,497	2,458	2,566	3,976
Chile	3,052	12,748	29,107	16,105	19,200	(a)
Colombia	(a)	1,585	591	—	—	98
Ecuador	(a)	(a)	(a)	2,472	52	(a)
Peru	98	2,875	4,635	603	997	98
Iran (c)—						
Crude	(a)	711	2,862	171	122	(a)
Refined	(a)	294	47	38	—	(a)
Japan	542	3	43,290	14,921	14,874	5,387
Turkey	(a)	1,104	—	—	—	837

(a) Information not available.

(b) Estimated amount recoverable.

(c) Years ended March 20 following that stated.

IMPORTS OF SULPHUR
(Less Re-exports)
(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom ..	438,551	377,220	407,139	196,736	374,618	358,654
Malta—						
Crude	(a)	(a)	(a)	(a)	69	32
Flowers of sulphur ..	(£6,259)	215	36	159	(£4,718)	(£8,060)
Kenya	526	(b) 204	310	59	40	111
Mauritius	(b) 32	—	5	—	25	1
Northern Rhodesia ..	2	2	1	1	(c)	(c)
South West Africa ..	9	11	76	32	(a)	(a)
Southern Rhodesia ..	17	17	14	28	(d) 65	(d) 19
Tanganyika	—	—	76	36	18	149
Uganda	450	208	198	326	117	602
Union of South Africa ..	67,246	59,503	72,558	71,479	66,123	93,958
British Guiana	7	8	3	(b) 1	—	—
Canada	348,511	353,404	370,668	320,629	276,899	333,352
Trinidad and Tobago ..	(a)	1,387	416	13	19	15
Ceylon	71	382	4,077	2,454	3,593	3,532
Cyprus	118	1,188	1,051	2,038	518	398
Hong Kong (total imports)	10,026	33	10	—	1,098	1,421
India (total imports) ..	56,488	38,507	65,776	51,884	65,664	83,589
Malaya (total imports) ..	529	180	150	120	255	223
Pakistan (e)	(a)	318	500	569	1,186	773
Australia	191,790	99,382	111,404	146,281	187,916	195,482
New Zealand	62,499	73,759	79,245	87,399	133,219	127,985
Irish Republic	284	238	284	183	192	286
FOREIGN COUNTRIES						
Austria	30,713	18,911	20,845	18,894	30,848	16,629
Belgium-Luxemburg ..						
E.U.	62,444	59,211	40,158	30,246	50,227	79,218
Denmark	1,182	785	573	533	954	1,061
Finland—	22,281	35,936	27,215	20,417	42,119	52,811
France—						
Rock	13	2,382	—	—	—	—
Crude	143,230	119,814	116,440	101,799	212,719	223,616
Unrefined ground ..	11	32	—	43	1,093	55
Refined lump	—	—	1,969	4,728	1	24
Flowers of sulphur ..	21	—	20	20	3,190	318
Precipitated	9	7	25	10	6	12
Germany (Federal) ..	30,457	20,231	32,934	14,556	36,287	55,902
Greece	16,555	11,808	7,875	10,769	9,392	12,499
Netherlands	2,653	3,274	1,776	836	855	2,287
Norway	183	69	74	146	197	187
Portugal—						
Crude	200	195	—	4,429	—	2,302
Flowers of sulphur ..	52	2	10	40	130	304
Other sulphur	7	6	8	20	41	51

(a) Information not available.

(b) Excess of re-exports.

(c) See under Southern Rhodesia.

(d) Federation of Rhodesia and Nyasaland.

(e) Years ended March 31 following that stated.

IMPORTS OF SULPHUR (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Spain—						
Crude	11,522	2,801	14	3,937	2,867	(a)
Refined	30	50	44	12	12	a)
Sweden	52,206	60,263	40,220	33,511	42,187	70,495
Switzerland—						
Crude and ground ..	27,579	16,280	19,647	22,593	66,775	75,582
Flowers of sulphur ..	270	329	244	122	219	257
Yugoslavia	4,351	2,397	5,353	(a)	5,799	5,737
Algeria—						
Rock	34	42	229	20	—	—
Crude	14,969	16,073	18,694	14,160	15,826	25,354
Unrefined, ground ..	925	2,409	1,207	486	275	649
Refined	2,291	5,109	915	489	754	683
Flowers of sulphur ..	34	182	177	28	3	9
Precipitated	2	5	15	—	—	—
Angola	19	48	123	40	44	154
Belgian Congo	90	109	254	220	107	120
Egypt	9,281	5,034	4,768	5,721	4,563	6,892
Madagascar	61	63	51	44	33	34
Morocco (French)—						
Crude	4,500	3,105	3,842	8,146	7,141	(a)
Refined	2,301	2,018	1,090	1,641	2,333	(a)
Mozambique	612	1,025	159	472	559	641
Tunis—						
Crude and unrefined ..	4,523	11,434	(a)	10,577	18,257	23,613
Refined and flowers of sulphur	26	216	(a)	83	381	410
Costa Rica	81	(a)	(a)	49	71	39
Cuba (total imports) ..	14,027	8,352	11,302	11,500	11,334	(a)
Guatemala (total imports)	124	113	92	173	173	80
Mexico	11,227	10,478	5,978	7,384	5,632	8,587
Netherlands West Indies	13,779	6,025	21,001	2,851	15,201	4,004
Nicaragua (total imports)	70	63	135	161	121	(a)
Salvador	34	44	191	100	88	81
United States	25	2,376	4,863	1,229	1,214	24,524
Argentina—						
Crude	22,684	10,999	23,017	31,331	1,202	—
Refined and flowers of sulphur	8	(a)	75	52	98	66
Brazil (total imports) ..	66,704	58,597	79,709	62,501	90,584	65,940
Colombia (total imports)	2,042	1,375	279	660	431	448
Ecuador	204	112	79	74	58	(a)
Peru	630	636	2,671	2,916	5,918	3,207
Uruguay	14	1,393	3,771	2,567	5,005	(a)
Venezuela (total imports)	134	(a)	295	1,245	1,242	1,672
Burma (total imports)	(a)	(a)	(a)	351	152	278
Indonesia	4,920	7,120	10,098	5,830	6,013	10,682
Israel	2,138	2,521	7,033	4,047	3,384	(a)
Lebanon	636	540	606	722	761	982
Philippine Republic ..	52	68	122	12,443	3,715	1,106
Syria	398	299	(a)	618	461	(a)
Siam (total imports) ..	(a)	(a)	(a)	335	240	(a)
Turkey—						
Refined and flowers of sulphur	130	—	109	74	1,003	468

(a) Information not available.

TALC
PRODUCTION OF TALC
(Including Steatite and Pyrophyllite)
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	1,700	2,500	2,586	3,940	3,970	5,036
Kenya (b)	10	—	—	—	—	—
Southern Rhodesia	—	—	—	5	2	—
Union of South Africa (c)	3,915	5,573	8,537	7,120	7,120	1,412
Canada (shipments)	29,111	22,184	22,350	24,471	25,128	24,250
India	25,485	33,647	20,772	29,135	42,326	(e) 39,000
Australia—						
Talc	9,047	12,596	7,320	9,806	12,940	12,328
Pyrophyllite	648	552	285	129	184	239
FOREIGN COUNTRIES						
Austria	57,754	71,634	50,096	50,426	60,991	69,558
France	86,035	101,615	107,914	107,762	117,995	132,200
Germany (Federal) (d)	42,450	52,371	37,861	40,145	48,051	49,617
Greece	2,500	2,584	1,200	—	1,139	2,070
Italy	66,548	74,796	80,255	81,293	84,535	98,007
Norway	63,081	75,271	63,062	60,579	70,357	66,150
Portugal	2	1	6	16	5	10
Spain	13,486	22,271	18,121	18,500	20,443	23,550
Sweden	11,784	11,454	7,607	8,048	12,273	11,244
Egypt	3,675	3,698	4,527	2,240	2,520	6,102
United States—						
Talc	446,321	464,665	424,475	455,626	439,546	506,472
Pyrophyllite	104,286	107,171	112,050	110,229	113,127	141,482
Argentina	(a)	(e) 15,000	(e) 16,000	(a)	(a)	(e) 23,000
Brazil	12,432	11,125	19,164	20,952	19,613	23,981
Chile	140	25	(a)	(a)	(a)	(a)
Peru	(a)	129	122	—	—	3,311
Uruguay	670	944	668	605	1,042	1,115
Afghanistan	(a)	830	790	600	640	(e) 710
Formosa	(a)	2,025	1,076	1,736	6,956	5,185
Japan—						
Talc	12,200	12,011	10,401	14,198	17,624	20,160
Pyrophyllite	265,901	382,288	302,956	309,188	202,194	204,374
Korea (South)—						
Talc	7,367	3,157	3,901	8,463	8,195	6,103
Pyrophyllite	3,072	1,053	9,675	15,629	10,524	4,694
TOTAL*	1,270,000	1,490,000	1,330,000	1,390,000	1,340,000	1,480,000

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

(a) Information not available.

(b) In addition the following amounts of Kisii stone were produced (long tons):
1950—318; 1951—332; 1952—231; 1953—155; 1954—99; 1955—Nil.

(c) In addition the following amounts of Wonderstone were produced (long tons): 1950—178;
1951—306; 1952—3,735; 1953—364; 1954—337; 1955—213.

(d) Revised to include steatite.

(e) Estimated.

EXPORTS OF TALC
(*Domestic Produce*)
(Long tons)

Exporting Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Canada	3,989	3,342	3,067	2,623	3,222	3,954
India	4,188	5,344	4,060	7,384	6,361	7,869
Malaya (re-exports)	613	651	539	(a)	244	211
Australia (b) (c)	(a)	(a)	(a)	(a)	1,942	2,365
FOREIGN COUNTRIES						
Austria	27,150	34,984	30,442	32,589	44,109	49,010
Belgium-Luxemburg						
E.U.	33	120	83	48	62	57
France	30,115	35,081	23,115	24,278	28,644	36,064
Germany (Federal)	169	424	938	306	746	926
Greece	1,771	(a)	(a)	(a)	(a)	(a)
Italy	27,055	32,021	26,117	32,623	30,216	40,939
Norway	44,274	50,562	39,680	39,895	50,182	55,390
Egypt	918	2,739	2,005	934	(a)	(a)
United States	18,432	20,449	20,498	20,599	20,846	31,455
Korea (South)	4,331	2,018	4,570	5,947	6,899	10,374

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Revised.

IMPORTS OF TALC

(Less Re-exports)

(Long tons)

Importing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Unground	513	1,135	1,200	956	599	1,189
Ground	27,028	34,944	26,308	28,767	33,266	37,661
Canada	7,990	8,289	7,810	10,580	11,064	10,163
Ceylon	(a)	(a)	(a)	296	444	523
Cyprus	30	21	15	(a)	(a)	(a)
Malaya (total imports) ..	430	558	504	(a)	1,901	3,066
Australia (b) (c)	426	377	239	52	281	(a)
FOREIGN COUNTRIES						
Austria	20	—	49	379	461	412
Belgium-Luxemburg						
E.U.	6,165	8,234	8,025	7,598	7,556	10,770
Denmark	6,842	7,979	6,297	6,962	8,393	9,208
Finland	3,810	5,048	3,019	1,221	2,568	2,749
France	725	1,938	924	1,819	2,202	2,273
Germany (Federal)	17,434	18,583	21,099	23,673	29,776	36,720
Italy	(a)	5	125	291	693	1,238
Netherlands	12,049	11,582	9,581	10,586	10,906	12,200
Portugal	622	553	381	554	627	606
Sweden	1,044	1,845	2,572	1,511	1,821	2,087
Yugoslavia	123	93	73	101	166	165
Algeria	950	1,546	1,689	1,718	1,716	3,172
Belgian Congo	66	152	179	148	268	190
Egypt	876	2,499	329	294	202	427
Morocco (French)	373	(a)	374	993	930	(a)
Tunis	(a)	264	(a)	310	480	452
Guatemala (total imports)	(a)	(a)	6	11	21	16
Mexico (total imports) ..	932	1,230	1,719	942	1,165	2,497
Panama Republic (total imports)	187	35	21	95	(a)	(a)
United States	20,872	18,430	18,127	20,360	19,784	25,964
Argentina	30	(a)	36	—	—	—
Brazil (total imports) ..	(a)	15	—	—	14	18
Chile	58	56	34	28	(a)	(a)
Colombia (total imports) ..	169	646	293	480	610	1,101
Ecuador	(a)	209	110	112	173	(a)
Peru	172	376	386	406	304	484
Venezuela (total imports)	1,033	(a)	494	499	887	(a)
Japan	2,304	4,509	6,641	13,082	10,777	20,204
Lebanon	112	104	116	144	112	138
Philippine Republic	873	1,297	775	714	1,365	982
Syria	88	33	(a)	133	209	(a)
Turkey	70	117	99	160	224	118

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Revised.

TANTALUM AND NIOBIUM MINERALS
PRODUCTION OF TANTALUM AND NIOBIUM MINERALS
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Nigeria—						
Tantalite	1	3	1	—	10	15
Columbite	864	1,078	1,293	1,959	2,914	3,146
Sierra Leone—						
Columbite	—	—	—	—	5	4
Southern Rhodesia—						
Tantalum concentrates	1	—	4	13	6	2
Columbite	—	—	1	3	8	5
South West Africa—						
Columbite	—	—	—	—	1	5
Tantalite and columbite	6	2	2	8	12	6
Uganda—						
Tantalite	—	—	5	13	10	14
Columbite	3	6	5	13	10	14
Tin-columbite	(1,210lbs.)	(336lbs.)	(3,248lbs.)	2	3	(515lbs.)
Union of South Africa—						
Tantalite	2	3	4	17	21	11
British Guiana—						
Columbite	—	—	—	5	2	2
India—						
Columbite	—	(14 lbs.)	(1,525 lbs.)	(483 lbs.)	(b)	5
Malaya—						
Columbite	8	25	47	52	111	236
Australia—						
Tantalite and columbite	7	2	7	8	53	12
FOREIGN COUNTRIES						
Norway—						
Niobium concentrates	—	—	—	(c)	555	(c)
Portugal—						
Tantalite and columbite	—	—	—	137	82	50
Belgian Congo—						
Tantalite and columbite concentrates	133	94	103	279	432	432
Tin-tantalite-columbite	1,086	1,159	1,256	1,596	2,664	(d) 2,824
French Equatorial Africa—						
Tantalite and columbite	2	—	2	2	3	1
Madagascar—						
Columbite	—	4	3	4	16	17
Mozambique—						
Tantalite	—	—	—	—	—	2
Columbite	5	5	15	26	42	34
United States—						
Tantalite	} (1,000lbs.)	(925lbs.)	{ — 2 }	7	21	6
Columbite						
Argentina—						
Tantalite and columbite	(a)	(a)	(a)	(a)	(a)	5
Bolivia (exports)—						
Columbite	—	—	—	3	(a)	1
Brazil—						
Tantalite	(e) 8	(e) 4	(e) 24	(e) 18	(e) 48	76
Columbite	(e) 12	(e) 5	(e) 2	(e) 30	193	(e) 106
French Guiana—						
Tantalite and columbite	(a)	(a)	(a)	6	14	10

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

(a) Information not available.

(b) Including fergusonite.

(c) 5% Nb₂O₅ in 1953; 50% Nb₂O₅ in 1954; 49% Nb₂O₅ in 1955.

(d) Estimated to contain 346 tons of tantalite-columbite.

(e) Exports.

EXPORTS OF TANTALUM AND NIOBIUM MINERALS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Nigeria—						
Tantalite	3	2	1	—	5	9
Columbite	916	1,092	1,228	1,855	2,524	3,047
Sierra Leone—						
Columbite	—	—	—	—	5	4
South West Africa—						
Tantalite	4	3	4	6	16	2
Southern Rhodesia—						
Columbite	—	—	—	4	6	8
Tantalum concentrates	4	—	5	17	5	4
Uganda—						
Tantalite and columbite	5	5	4	11	14	15
Union of South Africa—						
Tantalite	2	3	—	11	7	8
British Guiana—						
Columbite	—	—	—	5	—	3
Malaya (b)—						
Columbite	8	24	55	20	113	187
Australia—						
Tantalite and columbite	6	4	2	39	39	58
FOREIGN COUNTRIES						
Portugal—						
Tantalite and columbite	1	2	(a)	108	83	79
Belgian Congo—						
Tantalite and columbite	488	234	212	360	529	621
Tantaliferous slag ..	782	6,699	824	626	2,693	1,427
French Equatorial Africa—						
Tantalite and columbite	2	2	1	(a)	1	3
Madagascar—						
Columbite	—	—	2	5	6	22
Mozambique—						
Columbite	(a)	(a)	(a)	23	42	32
United States—						
Tantalite	—	(41lbs.)	(1,058lbs.)	9	—	—
Columbite	49	—	—	—	(192lbs.)	3
Bolivia—						
Columbite	—	—	—	3	(a)	1
Brazil—						
Tantalite	8	4	24	18	48	57
Columbite	12	5	2	30	119	106

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

(a) Information not available.

(b) In addition tin-smelters' slag containing 5% combined oxides of tantalum and niobium was exported as follows: 1952—1,500; 1953—19,269; 1954—1,800; 1955—Nil.

IMPORTS OF TANTALUM AND NIOBIUM MINERALS

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Tantalite and columbite	586	538	577	344	272	268
Tantalum powder, sheet, etc.	(187lbs.)	(377lbs.)	(184lbs.)	(373lbs.)	(494lbs.)	(1,632lbs.)
FOREIGN COUNTRIES						
Germany (Federal)—						
Tantalite	(a)	(a)	33	6	98	2
Columbite	(a)	(a)	2	2	91	142
United States—						
Tantalite	147	106	147	336	437	856
Columbite	771	681	838	1,872	3,024	4,291

(a) Information not available.

TIN
PRODUCTION OF TIN ORE
(Metal content)
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	889	837	918	938	920	1,037
Nigeria	8,258	8,539	8,303	8,228	7,926	8,109
Northern Rhodesia	4	2	11	7	1	—
Southern Rhodesia	66	59	36	29	14	209
South West Africa	90	75	(b) 96	(b) 165	(b) 367	407
Swaziland	37	32	36	36	35	27
Tanganyika	94	61	44	48	37	40
Uganda	139	120	107	90	83	59
Union of South Africa	643	761	935	1,361	1,315	1,283
Canada	355	155	95	287	149	177
Malaya	57,537	57,167	56,838	56,254	60,690	61,244
Australia	1,855	1,577	1,643	1,553	2,075	2,017
TOTAL	69,967	69,385	69,062	68,996	73,612	74,609
FOREIGN COUNTRIES						
France	81	93	285	493	525	463
Germany (Eastern)	191	257	395	563	669	669
Portugal	947	1,211	1,462	1,367	1,283	1,346
Spain (d)	638	959	753	991	873	678
Belgian Congo	13,610	13,729	13,806	15,293	15,084	15,303
Cameroon (French)	66	72	86	86	82	85
Egypt	—	5	6	—	5	—
French West Africa	50	65	107	92	71	47
Morocco (French)	—	13	15	9	5	14
Mozambique	1	8	4	—	—	—
Mexico	440	366	413	476	349	605
United States	94	88	100	56	205	100
Argentina	267	237	261	153	94	85
Bolivia (c)	31,213	33,132	31,959	34,825	28,849	27,921
Brazil	180	197	229	209	167	146
Peru	38	3	31	—	—	—
Burma	1,520	1,624	1,103	1,361	(b) 948	(b) 960
China (smelter) (b)	4,000	4,800	5,400	6,300	7,500	8,400
Indo-China	60	92	157	280	110	253
Indonesia	32,102	30,986	35,002	33,750	35,861	33,366
Japan	326	433	639	737	716	896
Siam	10,366	9,503	9,479	10,126	9,776	11,022
Total	97,200	97,800	101,900	107,000	103,200	102,400
WORLD'S TOTAL (excl. U.S.S.R.)	167,200	167,200	171,000	176,000	176,800	177,000

(a) Information not available.

(b) Estimated.

(c) Content of ore plus metal exported.

(d) Revised.

SMELTER PRODUCTION OF TIN
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom ..	28,500	27,650	29,521	28,860	27,475	27,241
Southern Rhodesia ..	80	63	37	27	19	22
Union of South Africa ..	718	829	694	828	752	779
Canada	355	155	95	—	—	—
Malaya	68,747	65,914	62,830	62,410	71,163	70,632
Australia	2,014	1,459	1,699	1,443	2,063	2,004
TOTAL	100,400	96,070	94,876	93,568	101,472	100,678
FOREIGN COUNTRIES						
Belgium	9,512	8,360	10,585	9,039	11,377	10,432
Germany—						
Federal Republic ..	586	581	758	694	—	280
Eastern	191	316	563	(b) 480	600	605
Netherlands	21,027	20,977	27,913	26,950	28,442	26,566
Portugal	209	313	340	472	664	1,018
Spain	895	884	753	823	676	608
Belgian Congo	3,238	3,011	2,765	2,715	2,459	3,034
Mexico (b)	350	350	300	240	300	240
United States	33,118	31,852	22,805	37,562	27,407	22,329
Argentina	253	206	185	130	60	99
Bolivia (exports) ..	388	39	257	174	196	107
Brazil	118	133	116	553	(c) 1,850	1,184
China (b)	4,000	4,800	5,400	6,300	7,500	8,400
Indonesia	405	217	224	644	1,351	1,770
Japan	389	575	637	807	828	981
Siam	2	—	17	—	—	—
TOTAL	74,700	72,500	73,600	87,600	83,700	77,700
WORLD'S TOTAL .. (excl. U.S.S.R.)	175,100	168,600	168,500	181,200	185,200	178,400

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

	Long tons		Long tons
1950	31,680	1953	27,602
1951	30,745	1954	26,190
1952	28,804	1955	29,200

(a) Information not available.

(b) Estimated.

(c) Revised.

EXPORTS OF TIN
(*Domestic Produce*)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Blocks, ingots, bars and slabs	15,460	4,912	12,565	13,759	8,118	8,456
Soft solder	2,053	2,618	1,828	1,768	1,971	2,402
Tin-foil	255	120	48	52	71	88
Nigeria—						
Ore	11,417	11,753	10,575	12,136	10,309	11,399
Southern Rhodesia—						
Ore and concentrates ..	82	—	—	22	2	33
Blocks, ingots and bars ..	5	5	2	4	—	10
South West Africa—						
Ore (b)	67	75	84	212	538	332
Tanganyika—						
Ore and concentrates ..	142	93	58	68	44	53
Uganda—						
Ore	260	155	159	125	126	94
Union of South Africa—						
Concentrates	—	—	73	904	1,242	1,033
Middlings	(a)	(a)	(a)	—	551	964
Canada—						
Concentrates (<i>Sn content</i>)	—	—	—	287	149	177
Hong Kong (re-exports)—						
Slabs and ingots	1,136	101	28	56	15	16
India—						
Blocks, ingots, bars, slabs and scrap ..	—	—	2,244	744	607	5
Malaya—						
Ore	9	1	—	61	160	48
Ingots, blocks, bars, slabs	81,805	64,956	64,119	61,752	70,280	71,161
Australia—						
Ore and concentrates ..	—	—	—	—	—	—
(<i>Sn content</i>)	5	41	21	12	19	132
Ingots	—	—	631	81	94	98
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Crude	10,193	8,484	9,948	9,029	11,352	10,867
Scrap	57	68	52	49	20	37
Sheets, wire, etc. ..	7	4	2	—	1	—
Denmark—						
Crude	399	11	113	64	11	21
Scrap	—	10	—	1	—	45
France—						
Ore	129	300	217	147	465	749
Pigs, bars, etc.	174	172	143	196	117	67
do. (alloys)	503	320	277	338	356	339
Scrap	25	12	4	—	9	—
Sheets and wire	62	82	65	29	42	33
Germany (Federal)—						
Crude, scrap and alloys	931	302	1,111	1,789	2,292	2,040
Sheets and wire	26	23	2	3	2	2
Tin-foil	—	1	3	5	11	4

(a) Information not available.

(b) Excluding tin-tungsten ore.

EXPORTS OF TIN (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Ingots, bars, scrap, sheets, alloys, etc. . .	2	5	4	25	18	19
Netherlands—						
Blocks	17,847	19,383	25,432	29,277	28,441	26,002
Sheets, wire, etc. . .	2	1	—	1	5	6
Norway—						
Ingots and bars . . .	152	151	189	202	196	169
Portugal—						
Ore	1,156	1,009	1,617	1,096	735	317
Bars	3	14	124	10	161	19
Spain—						
Ingots and bars . . .	176	3	395	394	—	394
Sweden—						
Crude and scrap . . .	5	12	15	33	87	36
Switzerland—						
Pigs, bars, slabs, sheets, etc.	36	9	26	14	14	23
Tin-foil	3	6	1	2	3	2
Scrap	133	288	171	106	167	151
Algeria—						
Ingots, scrap and alloys	34	44	7	33	20	24
Belgian Congo—						
Ore	15,755	13,477	15,777	20,099	14,969	16,974
Ingots	3,921	2,655	2,815	2,858	2,340	2,582
Cameroon (French)—						
Ore	110	102	128	59	118	177
French West Africa—						
Ore	128	93	151	169	70	100
Mexico—						
Ores and concentrates	13	2,173	621	163	20	25
<i>Sn content (c)</i> . . .	5	(a)	243	262	192	302
United States						
Ingots, pigs, etc. . .	287	264	301	128	261	254
Scrap	2,801	5,519	6,304	5,074	8,119	6,048
Tubes, sheets, foil . .	27	24	15	42	30	62
Bolivia—						
Ores, concentrates, etc. (<i>Sn content</i>)	30,825	33,093	31,702	34,651	28,653	27,814
Metal	388	39	257	174	196	107
Peru—						
Bars, impure (<i>Sn content</i>)	45	29	34	23	2	—
Burma—						
Ore and concentrates (<i>Sn content</i>)	1,416	1,477	1,393	983	800	(b) 950
China—						
Ingots and slabs (b) . .	3,000	3,900	3,900	4,380	5,100	4,800
Indo-China—						
Ore (<i>Sn content</i>) . . .	259	92	153	217	(a)	(a)
Ingots and scrap . . .	259	182	(a)	(a)	(a)	(a)
Indonesia—						
Ore	43,220	43,796	49,731	46,218	46,996	44,198
<i>Sn content</i>	30,834	30,264	34,055	32,215	33,941	31,768
Metal	2	1	15	223	994	196
Siam—						
Ore (<i>Sn content</i>) . . .	10,955	8,809	9,488	10,191	9,518	11,039

(a) Information not available.

(b) Estimated.

(c) As recorded in trade returns. May include the tin content of other ores exported.

IMPORTS OF TIN
(Less Re-exports)
(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	46,130	50,610	55,084	62,363	58,209	61,159
Blocks, ingots, bars, slabs and soft solder	4,069	9,927	(e) 6,275	354	1,949	755
Anglo-Egyptian Sudan—						
Unwrought incl. scrap	8	30	7	15	18	14
Gold Coast—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	(a)	47	32
Kenya—						
Unwrought, scrap and solder	100	101	58	91	91	170
Bars, plates and sheets ..	—	—	—	10	—	—
Mauritius—						
Ingots, sheets, etc. ..	4	11	—	26	(a)	(a)
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	(a)	90	448
Southern Rhodesia—						
Blocks, ingots and bars	26	33	61	59	(c) 33	(c) 11
Tanganyika—						
Unwrought, scrap and solder	37	64	90	27	64	85
Bars, plates and sheets ..	5	—	—	5	—	—
Uganda—						
Solder	11	11	16	20	(d) 15	(d) 28
Union of South Africa—						
Blocks, ingots, bars and rods	773	1,224	551	183	315	480
Tin-foil	14	10	5	10	5	(a)
Canada—						
Blocks, pigs and bars ..	4,817	6,135	3,949	3,702	3,836	4,318
Tin-foil	15	4	1	7	13	16
Aden—						
Blocks, ingots, etc. ..	386	(e) 3	37	(e) 5	3	564
Ceylon—						
Ingots, slabs, etc. ..	15	33	9	5	34	9
Tin solder	26	23	23	40	37	44
Cyprus—						
Ingots and bars ..	13	6	7	10	8	10
Hong Kong (total imports)—						
Slabs and ingots ..	595	205	114	176	124	134
India—						
Blocks, ingots, bars and slabs	4,737	2,905	2,177	2,938	3,775	3,640
Malaya (b)—						
Ore	13,559	10,539	7,948	8,648	13,312	15,011
Bars, sheets, wire, etc. ..	28	2	—	38	356	24
Pakistan (f)—						
Blocks, ingots, bars and slabs	(a)	246	61	181	64	113
Australia (g)—						
Ingots (h)	24	1,190	1,953	156	844	579
Leaf and foil (b) ..	171	90	35	4	19	17
New Zealand—						
Ingots, etc.	136	450	243	337	448	420

(a) Information not available.

(b) Total imports.

(c) Federation of Rhodesia and Nyasaland.

(d) Unwrought including solder and alloys.

(e) Excess of re-exports.

(f) Years ended March 31 following that stated.

(g) Years ended June 30 of that stated.

(h) Revised.

IMPORTS OF TIN (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
Irish Republic—						
Ingots, bars, slabs, etc.	84	79	34	56	77	81
Soft solder	131	155	36	68	(a)	(a)
Tin-foil	26	19	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Crude and alloys ..	581	894	306	340	532	523
Belgium-Luxemburg						
E.U.—						
Ore	12,844	12,097	12,989	14,319	14,772	13,700
Crude	1,431	1,959	1,262	1,410	1,920	2,147
Scrap	—	—	—	—	—	18
Sheets, wire, etc. ..	—	4	—	1	—	1
Denmark—						
Crude	1,036	1,010	1,183	2,750	3,968	5,031
Scrap	18	107	258	496	1,161	1,571
Sheets, wire, etc. ..	28	44	33	51	53	49
Tin-foil	26	18	6	7	37	39
Finland—						
Ingots, bars and scrap ..	430	719	236	275	511	500
Tin solder	123	135	49	37	78	112
France—						
Pigs, bars, etc. ..	5,664	9,650	6,521	6,976	8,654	9,455
do. alloyed	50	75	245	38	65	30
Scrap	28	54	68	38	74	52
Sheets and wire ..	5	3	—	—	1	6
Germany (Federal)—						
Ore	4,899	1,862	2,208	794	—	2,022
Crude and scrap ..	8,614	8,164	6,410	5,893	7,567	8,596
Greece	291	166	209	161	217	222
Italy—						
Ingots	(c) 4,133	4,228	3,147	1,999	2,561	2,978
Scrap	41	4	6	6	3	5
Sheets, tubes and wire	6	—	—	1	1	—
Netherlands—						
Ore	29,702	26,966	36,717	35,937	38,658	33,197
Blocks	118	2,313	6,041	5,100	3,439	817
Norway—						
Crude	441	506	395	282	309	349
Bars, sheets, filings, etc.	51	46	50	47	98	91
Portugal—						
Sheets, wire, etc. ..	—	1	2	1	1	1
Spain—						
Ingots and bars ..	213	372	139	56	99	67
Sweden—						
Crude	1,285	1,171	857	491	900	929
Switzerland—						
Pigs, bars and slabs ..	1,208	1,220	513	525	712	698
Sheets, wire, foil, etc.	5	4	6	6	5	5
U.S.S.R.—						
Blocks, ingots, etc. (b) ..	635	100	250	—	—	(a)
Yugoslavia—						
Ingots	378	550	316	504	385	550

(a) Information not available.

(b) Exports from the United Kingdom to the U.S.S.R.

(c) Including alloyed.

IMPORTS OF TIN (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Algeria—						
Crude, sheets and alloys, etc.	119	158	180	209	205	176
Egypt—						
Crude and scrap	501	664	548	227	229	258
Madagascar—						
Bars, sheets, etc.	87	30	34	47	23	(a)
Morocco (French)—						
Ingots, etc.	273	256	184	198	305	(a)
Mozambique—						
Bars, sheets, etc.	1	1	3	10	4	3
Tunis—						
Pigs, bars and sheets	56	27	(a)	46	41	41
Cuba (total imports)—						
Ingots	75	52	53	27	44	(a)
Bars, sheets, etc.	38	31	38	25	26	(a)
Mexico (total imports)—						
Ingots	366	302	289	115	410	465
United States—						
Ore (<i>Sn content</i>)	26,027	29,628	26,491	35,973	22,410	20,097
Blocks, pigs, bars, etc.	82,916	27,784	80,452	74,538	65,641	64,718
Scrap	148	147	376	162	27	20
Argentina—						
Ingots and sheets	968	4,669	69	314	2,532	2,263
Brazil (total imports)—						
Ore	(a)	(a)	(a)	60	84	2,046
Ingots and bars	1,552	3,313	1,221	448	337	68
Colombia—						
Ingots, bars, sheets, etc.	92	56	36	36	34	46
Chile—						
Ore	116	100	74	64	103	(a)
Ingots	551	320	234	412	406	(a)
Bars and sheets	—	—	3	1	—	(a)
Peru—						
Bars, sheets, etc.	60	32	48	39	51	70
Uruguay—						
Ingots, etc.	163	95	49	71	(a)	(a)
Venezuela—						
Crude	138	86	56	105	172	95
Formosa—						
Ingots and slabs	69	101	25	130	262	103
Iran (b)—						
Ingots, etc.	13	58	108	205	118	(a)
Iraq—						
Ingots	44	26	22	25	83	(a)
Israel—						
Ingots, blocks and slabs	64	44	17	54	155	111
Japan—						
Ingots and slabs	600	2,078	1,744	4,973	5,046	5,712
Lebanon—						
Crude	20	23	6	16	7	15
Philippine Republic—						
Ingots	97	143	38	93	111	140
Syria—						
Crude and scrap	(a)	(a)	(a)	90	24	161
Turkey—						
Ingots, bars and sheets	1,093	787	624	1,133	514	665

(a) Information not available.

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

TITANIUM MINERALS
PRODUCTION OF TITANIUM MINERALS
(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Gambia (exports)—						
Ilmenite	—	—	—	—	1,086	—
Union of South Africa—						
Ilmenite	—	—	—	—	—	1,712
Rutile	—	—	—	9	—	—
Canada (shipments) (b)—						
Ilmenite	91,045	333,737	237,912	119,506	277,246	397,888
India—						
Ilmenite	212,663	224,084	224,895	215,259	240,513	268,447
Rutile	36	45	147	104	104	(f) 100
Malaya (exports)—						
Ilmenite ("Amang") ..	24,915	43,493	21,698	26,570	44,745	53,875
Australia—						
Ilmenite concentrates (c)	13,554	12,996	7,712	7,815	8,930	(a)
Rutile concentrates ..	18,312	35,189	38,014	38,039	44,659	59,613
FOREIGN COUNTRIES						
Finland—						
Ilmenite concentrates ..	—	—	—	3,099	49,790	83,632
Norway—						
Ilmenite	103,489	103,696	116,402	126,090	146,829	155,340
Rutile (d)	31	18	42	3	—	9
Portugal—						
Ilmenite	65	166	425	666	503	774
Tin-titanium ore	42	29	67	25	8	48
Spain—						
Ilmenite	627	688	1,259	1,412	1,247	11,580
Cameroon (French)—						
Rutile	25	106	289	52	—	99
Egypt—						
Ilmenite	256	321	1,966	1,715	221	2,406
French Equatorial Africa—						
Rutile	6	—	—	—	—	—
French West Africa—						
Ilmenite	776	3,740	4,549	5,677	11,200	22,883
Rutile	—	3	25	—	—	—
Mozambique—						
Rutile	—	—	—	2	—	—
United States (e)—						
Ilmenite	418,143	478,424	471,954	458,657	489,028	520,575
Rutile	(f) 7,000	(f) 6,000	(f) 6,000	6,094	6,617	7,601
Brazil (exports)—						
Rutile	—	—	16	—	—	—
Japan (g)—						
Ilmenite	(a)	(a)	3,564	3,050	4,415	9,246
WORLD'S TOTAL—						
Ilmenite	865,600	1,201,400	1,092,400	969,500	1,275,800	1,530,000
Rutile	25,400	41,400	44,500	44,300	51,400	67,500

(a) Information not available.

(b) Production of titanium dioxide slag (approx. 70% TiO₂) at Sorel was as follows (long tons): 1950—2,007; 1951—17,538; 1952—37,626; 1953—125,886; 1954—109,786; 1955—145,343.

(c) Owing to high chromium and low titanium oxide content sales were as follows (long tons): 1950—50; 1951—1,253; 1952—46; 1953—nil; 1954—469; 1955—535.

(d) Ore and concentrates.

(e) Production of metal (commercial titanium sponge) was as follows (long tons): 1951—442; 1952—960; 1953—2,001; 1954—4,795; 1955—6,572.

(f) Estimated.

(g) Production of metal (commercial titanium sponge) was as follows (long tons): 1952—14; 1953—69; 1954—601; 1955—1,230.

EXPORTS OF TITANIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ferro-titanium ..	568	535	519	366	304	308
Gambia—						
Ilmenite	—	—	—	—	1,086	—
Union of South Africa—						
Ilmenite	—	—	—	—	—	1,687
Canada—						
Ilmenite	1,119	1,446	46	4,224	1,073	1,307
Titanium dioxide slag (70% TiO ₂)	—	7,176	34,850	129,823	106,511	154,381
Hong Kong (re-exports)—						
Titanium oxide ..	(a)	(a)	150	234	456	61
India—						
Ilmenite	240,783	243,811	173,107	160,993	185,153	246,196
Rutile sand	36	45	147	104	104	(a)
Malaya—						
Ilmenite (“Amang”) ..	24,915	43,493	21,698	26,570	44,745	53,874
Australia—						
Rutile	15,292	35,040	37,654	36,076	44,417	59,687
Ilmenite	—	980	76	93	171	434
Zircon-Rutile	1,564	—	—	—	—	—
Zircon-Rutile-Ilmenite	4	—	—	—	—	—
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Titanium white ..	144	31	20	108	196	125
Finland—						
Ilmenite	—	—	—	—	25,481	57,802
France—						
Titanium oxide, etc. ..	740	1,109	436	964	345	447
Italy—						
Titanium oxide	667	1,037	1,378	2,584	1,633	1,882
Norway—						
Ilmenite (b)	119,885	94,443	113,913	120,331	146,753	163,943
Rutile	224	14	21	7	19	9
Portugal—						
Ilmenite	—	(a)	100	—	541	1,832
Sweden—						
Titanium minerals ..	510	953	900	405	196	282
Cameroon (French)—						
Rutile	568	705	190	84	204	75
French West Africa—						
Ilmenite	1,413	3,921	3,344	3,804	11,556	19,290
Rutile	—	—	5	—	—	—
United States						
Ores and concentrates ..	535	577	777	2,886	610	1,021
Ferro-titanium	152	157	290	165	153	219
Titanium oxide and pigments	29,161	35,037	31,818	35,518	56,948	48,530
Brazil—						
Rutile	—	—	16	—	—	—
Japan—						
Titanium sponge metal	—	—	7	44	422	(a)
Titanium oxide	10	567	451	350	3,367	7,747

(a) Information not available.

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

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ilmenite	94,652	78,113	102,590	93,837	145,736	192,146
Rutile	6,686	9,102	8,152	7,463	7,596	12,539
Titanium sponge	(a)	(a)	(a)	(a)	(a)	132
Other titanium metal	(a)	(a)	(a)	(a)	(a)	34
Titanium oxide	(a)	(a)	163	922	5,863	4,374
Canada—						
Titanium oxide, etc.	24,219	26,471	21,612	28,482	28,666	31,963
Hong Kong (total imports)—						
Titanium oxide	(a)	(a)	329	329	1,231	1,009
Australia (d) (e)—						
Ilmenite	(b) 3,800	(b) 5,200	(b) 5,000	(b) 7,500	7,054	16,146
Titanium white and oxide	2,203	2,072	2,466	1,591	6,844	6,811
New Zealand—						
Titanium white	1,201	731	1,302	1,390	2,414	2,639
FOREIGN COUNTRIES						
Austria—						
Titanium white	527	585	399	799	1,199	1,372
Belgium-Luxemburg E.U.—						
Titanium white	968	1,303	1,898	2,843	3,919	4,393
Denmark—						
Titanium white	(a)	(a)	(a)	(a)	2,014	2,499
Finland—						
Titanium white	(a)	1,791	3,135	1,654	3,436	4,108
France—						
Titanium oxide, etc.	2,100	1,650	2,002	1,976	3,089	3,468
Germany (Federal)—						
Ilmenite	(a)	(a)	71,157	67,252	89,698	114,584
Rutile	(a)	(a)					2,938	5,833	9,595
Iceland—						
Titanium white	103	—	143	235	250	121
Italy—						
Titanium minerals	(a)	(a)	20,661	19,176	19,670	22,920
Ferro-titanium	14	52	155	79	36	101
Titanium oxide	300	259	735	1,093	1,151	1,193
Netherlands—						
Titanium white	(a)	(a)	3,527	4,572	6,629	8,540
Portugal—						
Ilmenite	1	1	20	11	1	30
Rutile	8	37	35	22	97	107
Titanium oxide	(a)	80	132	154	226	337
Sweden—						
Titanium minerals	1,482	2,804	2,664	2,906	1,745	3,370
Titanium white	2,864	3,274	2,977	3,723	5,549	5,867
Yugoslavia—						
Rutile	(a)	(a)	(a)	(a)	30	110
Titanium oxide	(a)	(a)	(a)	(a)	188	209
Belgian Congo—						
Titanium oxide	(a)	(a)	(a)	37	48	20
Mexico (total imports)—						
Titanium oxide	1,234	1,255	1,592	1,608	2,216	2,323
United States—						
Ilmenite	193,267	(c) 168,821	(c) 159,297	(c) 245,844	(c) 245,540	(c) 315,492
Rutile	3,060	9,842	17,316	14,373	13,361	17,434
Titanium metal	—	3	—	32	172	506
Ferro-titanium	116	222	100	154	4	28
Titanium compounds	608	233	32	80	5	151

(a) Information not available. (c) Including titanium dioxide slag (70% TiO₂) imported from Canada.
(b) Estimated. (d) Years ended June 30 of that stated. (e) Revised.

IMPORTS OF TITANIUM MINERALS, ETC. (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Titanium oxide ..	907	(a)	589	23	1,151	1,656
Brazil—						
Titanium oxide ..	(a)	2,067	2,385	700	2,842	1,732
Chile—						
Titanium white ..	317	215	419	293	(a)	(a)
Colombia (total imports)—						
Titanium white ..	(a)	479	292	473	652	972
Peru—						
Titanium oxide ..	29	143	157	200	306	351
Venezuela—						
Titanium oxide ..	(a)	(a)	358	547	1,286	(a)
Japan—						
Ilmenite	7,620	25,015	5,877	21,868	28,640	49,534

(a) Information not available.

TUNGSTEN
PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES
(Long tons)

Producing Country	Estimated WO ₃ Content					
	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain—						
Concentrates	61	51	39	53	80	62
Nigeria—						
Concentrates	5	20	21	17	1	1
South West Africa—						
Wolfram	13	18	99	135	89	109
Scheelite	4	11	8	1	4	1
Tin-wolfram concentrates	94	59	(c) 70	(c) 102	358	401
Southern Rhodesia—						
Concentrates	58	210	384	346	231	202
Tanganyika—						
Wolfram	31	34	37	34	9	22
Uganda—						
Wolfram	144	161	107	159	149	143
Union of South Africa—						
Concentrates	86	172	242	376	542	577
Canada (b)—						
Concentrates	842	2	1,639	2,816	1,445	1,454
Hong Kong—						
Wolfram	—	20	97	140	27	23
India—						
Concentrates	—	14	10	15	1	(a)
Malaya—						
Wolfram	13	28	44	99	54	56
Scheelite	10	18	24	30	45	50
Australia—						
Wolfram	282	796	1,035	1,008	722	788
Scheelite	801	1,031	989	1,185	1,331	1,449
New Zealand—						
Scheelite	22	32	57	39	28	30
TOTAL						
	1,176	1,643	2,715	3,449	3,296	3,440

(a) Information not available.

(b) Shipments (chiefly scheelite).

(c) Estimated.

PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES (cont.)

Producing Country	Estimated WO ₃ Content											
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES (cont.)												
Peru— Concentrates	508	(a)	(a)	(a)	(a)	(a)	305	277	345	536	455	500
Burma— Tungsten concentrates ..	269	483	792	701	443	578	175	314	515	456	277	347
Tin-wolfram concentrates	901	1,207	1,954	1,828	1,070	1,835	360	480	780	730	430	730
China— Concentrates (b)	12,400	13,000	16,200	20,000	20,000	20,000	7,400	7,800	9,700	12,000	12,000	12,000
Japan— Concentrates	22	209	581	1,020	1,111	783	15	99	283	430	460	530
Korea— South— Concentrates	794	1,136	3,729	7,294	3,770	3,096	516	738	2,424	4,741	2,450	2,012
North— Concentrates (b)	1,000	1,200	1,200	1,200	1,200	1,200	600	720	720	720	720	720
Siam— Concentrates	1,125	1,321	1,601	1,595	1,087	1,127	731	859	1,041	1,037	707	733
Turkey— Ore (c)	—	—	—	—	246	1,547	—	—	—	—	(a)	(a)
TOTAL*							17,000	22,700	29,500	36,600	35,800	35,800
WORLD'S TOTAL*							18,200	24,300	32,200	40,000	39,100	39,200

*Excluding tungsten ores produced in U.S.S.R.

(a) Information not available.

(b) Estimated.

(c) Run-of-mine.

EXPORTS OF TUNGSTEN, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Tungsten ore	1	—	—	71	14	8
Ferro-tungsten	1,171	394	96	133	398	587
Tungsten metal etc. ..	149	83	22	56	42	114
Nigeria—						
Tungsten ore	5	19	46	14	7	3
Southern Rhodesia—						
Tungsten ores	30	169	399	346	243	237
South West Africa—						
Tungsten ore	21	21	125	132	376	71
Tin-tungsten ore	99	39	—	—	—	400
Tanganyika—						
Wolfram ore	52	34	40	30	12	23
Uganda—						
Wolfram ore	189	159	126	151	152	150
Union of South Africa—						
Tungsten ore	253	204	218	192	543	460
Canada—						
Tungsten ore	(a)	(a)	(a)	(a)	(a)	1,651
Hong Kong (b)—						
Tungsten ore	2,530	192	216	149	26	18
Malaya (b)—						
Wolfram	111	213	126	129	52	62
Scheelite	11	12	27	32	53	51
Australia—						
Wolfram	147	344	968	1,250	838	964
Scheelite	253	55	1,020	987	1,174	1,344
Tungsten ore and concentrates (c)	578	1,179	21	134	—	—
New Zealand—						
Scheelite	29	39	49	45	41	20
FOREIGN COUNTRIES						
Portugal—						
Tungsten ore	2,597	4,082	4,329	3,797	2,972	4,113
do. residues	558	75	104	12	815	292
Ferro-tungsten	(a)	59	252	232	161	329
Spain—						
Tungsten ore	706	1,402	2,913	2,746	2,513	1,906
Sweden—						
Ore	36	141	148	39	103	142
Ferro-tungsten	758	347	107	93	173	110
Algeria—						
Tungsten ore	—	(a)	71	59	—	—
Belgian Congo—						
Tungsten ores	598	466	841	1,007	1,263	1,482
Egypt—						
Tungsten ore	(a)	(a)	(a)	19	(a)	(a)
Morocco (French)—						
Tungsten ore	(a)	15	17	39	12	6
Mexico—						
Tungsten ore and concentrates	111	635	1,289	1,893	950	844
(WO ₃ content)	40	192	238	403	322	336

(a) Information not available.

(b) Including re-exports.

(c) Classified as "not elsewhere indicated" but believed to be chiefly scheelite.

EXPORTS OF TUNGSTEN, ETC. (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Ore and concentrates ..	6	—	10	11	35	30
Ferro-tungsten ..	149	127	132	16	5	1
Tungsten metal, alloys and scrap ..	68	111	31	91	168	232
Argentina—						
Tungsten ore ..	233	(a)	148	421	—	746
Bolivia—						
Tungsten ore ..	1,467	1,605	2,189	2,259	2,625	3,180
<i>(WO₃ content)</i> ..						
Brazil—						
Tungsten ores ..	690	1,292	1,621	1,768	1,248	1,162
<i>(WO₃ content)</i> ..	448	(a)	(a)	1,149	811	(a)
Peru—						
Tungsten ore and concentrates <i>(WO₃ content)</i> ..	393	287	224	484	510	590
Burma—						
Ore and concentrates ..	(a)	(a)	(a)	(a)	2,054	990
Tin-tungsten ores ..	(a)	(a)	(a)	(a)	(a)	834
Japan—						
Tungsten ore ..	262	72	—	50	185	230
Tungsten metal ..	284	(a)	(a)	36	—	10
Ferro-tungsten ..	1,595	634	5	—	55	217
Korea—						
Tungsten ore (b) ..	2,084	314	3,616	5,443	4,022	1,367
Siam—						
Tungsten ore ..	802	1,317	1,380	1,592	1,339	(a)

(a) Information not available.

(b) Imports into the United States from Korea.

IMPORTS OF TUNGSTEN, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Tungsten ores	5,778	4,743	8,298	4,373	3,363	4,836
Tungsten metal etc. ..	3	3	8	3	3	8
Canada—						
Tungsten ore	25	25	50	113	3	41
Ferro-tungsten	96	450	220	28	38	51
Hong Kong (b)—						
Tungsten ore	47	—	—	—	—	—
Malaya (b)—						
Wolfram	11	84	50	15	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Tungsten ore	(a)	180	28	78	504	952
Ferro-tungsten	698	398	210	—	203	270
Belgium-Luxemburg						
E.U.—						
Tungsten ore	(a)	(a)	2,195	172	113	33
Ferro-tungsten	(a)	(a)	345	47	40	52
Germany (Federal)—						
Tungsten ore	1,790	2,872	2,142	1,003	2,894	3,374
Italy—						
Tungsten ore	(a)	(a)	37	27	129	113
Ferro-tungsten	83	77	90	96	31	100
Netherlands—						
Tungsten ore	(a)	115	147	43	2	61
Sweden—						
Tungsten ore	1,581	984	684	177	413	616
Ferro-tungsten	72	10	—	1	—	49
United States—						
Tungsten ore	12,831	5,316	16,928	25,435	20,714	17,232
(WO ₃ content)	8,879	3,595	9,810	15,607	13,584	11,622
Tungsten metal						
(W content)	94	38	1	30	69	40
Ferro-tungsten	785	901	281	336	276	373
Japan—						
Tungsten ore	9	144	2,081	144	134	158
Tungsten metal	(a)	(a)	(a)	—	1	1
Ferro-tungsten	(a)	(a)	(a)	1	—	(a)

(a) Information not available.

(b) Total imports.

URANIUM MINERALS*
EXPORTS OF URANIUM MINERALS, ETC.
(Domestic Produce)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom— Radium compounds						
<i>Grains</i>	294	118	14	37	266	359
Union of South Africa— Uranium .. £SA	—	—	—	3,873,029	14,835,344	29,959,589
FOREIGN COUNTRIES						
United States— Radium metals (<i>Ra content</i>) <i>Mgrams.</i>	250	8,892	1,143	1,056	419	366
Mozambique— Uranium minerals <i>Cwt.</i>	—	1,838	498	612	—	162

*Statistics of the production of Uranium are no longer published by most countries. The value of the production of pitchblende products (uranium oxides and salts, radium salts, etc.) in Canada was £9,660,459 and £8,400,000 in 1954 and 1955 respectively.

(a) Information not available.

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

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom— Uranium minerals <i>Cwt.</i>	4	(a)	(a)	(a)	(a)	(a)
Radium compounds <i>Grains</i>	191	401	358	39	383	98
Canada— Radium .. £	115,182	125,378	22,673	154,603	103,345	309,184
FOREIGN COUNTRIES						
France— Radium and radium products .. <i>Lb.</i>	—	—	—	—	—	(a)
Portugal— Radium salts <i>Mgrams.</i>	(a)	(a)	(a)	494	(a)	(a)
Egypt— Radium .. £	—	1,000	—	—	—	—
United States— Radium salts <i>Mgrams.</i>	80,969	89,805	173,711	85,055	57,879	65,545
Brazil— Radium and radium products <i>Mgrams.</i>	(a)	75	1,363	10,311	852	1,157
Turkey— Uranium salts .. <i>Lb.</i>	—	—	2	—	2	51

(a) Information not available.

VANADIUM
PRODUCTION OF VANADIUM ORES
(Metal content)
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Northern Rhodesia ..	—	86	43	—	—	—
South West Africa ..	290	521	475	490	511	570
FOREIGN COUNTRIES						
Angola	—	—	—	—	—	20
Argentina	1	(a)	(a)	(a)	(a)	(a)
United States (shipments)	2,052	2,757	3,214	4,145	4,402	4,449
Peru	426	645	430	326	187	70
WORLD'S TOTAL (b)	2,769	4,009	3,162	4,961	5,100	5,109

(a) Information not available.

(b) 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 Finland and Norway.

EXPORTS OF VANADIUM
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom— Ferro-vanadium ..	209	58	73	125	6	23
Northern Rhodesia— Oxide, fused	213	120	122	7	—	—
South West Africa— Concentrates (<i>V content</i>) (b)	343	673	1,337	653	543	573
FOREIGN COUNTRIES						
Italy— Oxide	—	197	187	119	—	2
Sweden— Ferro-vanadium ..	121	70	28	11	34	47
Mexico— Concentrates	89	—	234	—	—	193
Flue dust (<i>V content</i>) ..	61	51	167	—	—	—
United States— Ore and concentrates (<i>V content</i>)	1	1	54	6	19	772
Flue dust and other waste (<i>V content</i>) ..	—	—	—	24	11	39
Metal, alloys and scrap Ferro-vanadium ..	2	1	46	(a) 70	(a) 63	(a) 196
Peru— Ore and concentrates (<i>V content</i>)	37	55	131	70	63	196
	641	458	434	285	193	82

(a) Information not available.

(b) Revised.

IMPORTS OF VANADIUM

(Less Re-exports)
(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore	1,270	602	591	453	355	—
Oxide	173	68	155	7	—	3
Other compounds ..	—	(940 lbs.)	3	—	1	16
FOREIGN COUNTRIES						
France—						
Oxide	32	20	288	122	53	365
Germany (Federal)—						
Ore	(a)	(a)	1,194	—	1,163	—
Italy—						
Ore	(a)	(a)	55	5	35	114
Oxide	(a)	5	40	1	2	25
Ferro-vanadium ..	53	59	54	22	17	36
Sweden—						
Ore	25	20	7	—	3	—
Ferro-vanadium ..	21	—	1	7	29	39
United States—						
Ore	2,281	1,738	1,937	1,321	529	208
(V content)	650	439	466	320	176	69
Flue dust (V content) ..	—	—	3	2	—	—
Japan—						
Ore	(a)	(a)	(a)	(a)	61	38
Ferro-vanadium ..	(a)	9	(a)	31	44	—

(a) Information not available.

ZINC
PRODUCTION OF ZINC ORE
(Metal content)
 (Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Great Britain	35	191	1,525	1,865	1,432	1,048
Kenya (exports)	—	60	120	—	—	—
Northern Rhodesia (b) ..	37,668	36,259	36,728	38,708	(f) 34,529	33,991
South West Africa	11,787	14,582	15,400	15,522	19,671	20,741
Canada (b)	279,667	304,564	331,966	358,716	336,153	381,220
India	(e) 300	1,050	2,070	2,370	2,188	(a) —
Australia	198,009	190,809	197,280	237,037	252,659	256,564
TOTAL	527,500	547,500	585,100	654,200	646,600	696,000
Irish Republic	399	1,238	1,689	1,624	1,534	(a) —
FOREIGN COUNTRIES						
Austria	3,960	4,613	6,055	5,814	6,285	6,994
Finland (b)	2,142	3,001	1,357	3,177	4,434	20,835
France	11,986	12,394	14,377	13,011	11,170	8,400
Germany (Federal)	69,045	74,105	79,406	89,805	92,739	90,677
Greece	3,226	4,234	4,548	5,111	5,198	7,241
Italy	83,868	94,169	103,272	96,786	101,414	103,930
Norway	5,612	5,383	5,500	5,055	5,283	6,617
Poland (c)	111,800	116,000	(e) 122,900	(f) 136,200	(f) 139,900	153,700
Spain	65,270	74,353	86,163	82,876	92,173	89,226
Sweden	36,535	37,713	37,819	44,381	57,506	57,866
U.S.S.R. (smelter) (e) ..	140,000	160,000	200,000	225,000	240,000	255,000
Yugoslavia	37,491	38,798	47,035	59,023	56,297	58,781
Algeria	7,064	7,116	11,300	18,728	26,524	30,530
Angola	—	350	42	92	—	—
Belgian Congo	75,107	88,138	96,926	123,809	82,970	66,700
Egypt	376	1,409	872	186	170	490
French Equatorial Africa ..	566	512	387	—	—	—
Morocco (French)	11,232	19,140	27,902	34,728	33,910	42,300
Tunis	2,886	3,460	3,484	3,591	5,157	5,636
Guatemala (d)	336	5,485	9,969	5,710	1,624	7,265
Mexico	220,000	177,220	223,784	222,961	220,215	265,144
Salvador	(a) —	126	130	50	—	—
United States (b)	556,585	608,204	594,644	488,777	422,742	459,528
Argentina	12,498	15,230	15,568	13,050	16,600	20,900
Bolivia (exports)	19,269	30,053	35,056	23,595	20,003	20,990
Chile	(a) —	(a) —	(a) —	2,559	(a) —	(a) —
Peru (b)	86,491	99,699	125,826	136,905	156,058	170,042
Burma	—	—	859	3,525	6,516	8,221
Japan	51,323	63,403	86,088	93,563	107,661	106,953
Philippine Republic	—	153	1,571	735	—	—
Turkey	31	401	791	3,650	5,392	(e) 750
TOTAL	1,590,000	1,720,000	1,940,000	1,940,000	1,910,000	2,070,000
WORLD'S TOTAL	2,120,000	2,270,000	2,530,000	2,590,000	2,560,000	2,770,000

(a) Information not available.
 (b) Recoverable.
 (c) Smelter production.

(d) Imports into the United States.
 (e) Estimated.
 (f) Revised.

METAL PRODUCTION OF ZINC

(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom	70,290	69,734	68,733	72,711	81,239	81,346
Northern Rhodesia	22,715	22,590	22,890	25,330	26,550	27,900
Canada	182,471	195,159	198,393	224,072	190,871	229,471
Australia	83,652	77,010	87,438	90,178	104,523	101,090
TOTAL	359,128	364,493	377,454	412,291	403,183	439,807
FOREIGN COUNTRIES						
Belgium	174,525	197,713	183,849	190,372	209,730	208,585
France	70,401	73,382	78,724	79,660	109,152	110,381
Germany (Federal)	120,854	138,416	144,887	145,919	165,007	175,916
Italy	37,517	46,660	53,985	59,119	66,390	69,430
Netherlands	19,440	22,284	25,492	24,804	25,627	27,989
Norway	42,291	40,180	38,614	38,185	43,759	44,800
Poland	111,800	116,000	(b) 122,900	(b) 136,200	139,900	153,700
Spain	20,928	21,008	21,021	22,759	22,908	23,420
U.S.S.R. (c)	140,000	160,000	200,000	225,000	240,000	255,000
Yugoslavia	10,673	13,014	14,235	14,319	13,429	13,550
Belgian Congo	—	—	—	7,678	31,495	33,432
Mexico	48,680	52,070	49,591	52,215	53,997	55,249
United States (d) (e)	753,096	787,172	807,571	817,951	716,451	860,271
Argentina	(c) 7,400	(c) 8,500	(c) 8,500	12,740	10,826	13,287
Peru	1,242	856	5,134	8,767	15,120	16,913
Japan	48,234	55,450	67,291	75,601	96,228	107,628
TOTAL	1,580,000	1,720,000	1,820,000	1,910,000	1,960,000	2,170,000
WORLD'S TOTAL	1,940,000	2,084,000	2,197,000	2,322,000	2,363,000	2,610,000

(a) Information not available.

(b) Revised.

(c) Estimated.

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

1950	291,098	1953	263,105
1951	280,694	1954	296,000
1952	277,163	1955	(a)

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

	1950	1951	1952	1953	1954	1955
A—High grade—Special ..	242,570	251,403	264,108	279,295	241,213	337,692
Ordinary	171,496	156,696	162,612	160,882	118,732	123,747
B—Intermediate grade ..	19,260	18,512	15,985	13,143	17,218	21,243
C and D—Brass special ..	41,723	54,028	43,587	50,196	47,020	71,615
Selected	3,590	12,048	12,150	1,723	1,101	3,486
E—Prime Western	334,252	337,929	358,336	359,922	351,893	361,454

PRODUCTION OF ELECTROLYTIC ZINC*
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
Northern Rhodesia ..	14,923	10,676	18,785	17,004	17,557	17,900
Canada	182,471	195,159	198,393	224,072	190,871	229,471
Australia (Tasmania) ..	83,652	77,010	87,438	90,178	104,523	101,090
FOREIGN COUNTRIES						
France	30,381	31,628	34,127	32,996	41,300	(a)
Italy	30,972	38,191	44,916	50,016	58,092	60,679
Norway	42,491	40,180	38,614	38,185	43,759	44,800
Belgian Congo	—	—	—	7,678	31,495	33,432
United States	305,433	300,078	313,487	331,134	277,890	348,117
Japan	32,193	37,642	47,896	53,798	28,805	71,058

*This production is already included in the Metal table and is not additional.
(a) Information not available.

PRODUCTION OF ZINC DUST
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom ..	8,872	9,579	6,230	8,665	9,344	10,998
Northern Rhodesia ..	24	5	—	—	—	—
Australia	(b) 606	1,809	1,711	1,901	2,234	2,093
FOREIGN COUNTRIES						
France	(a)	(a)	(a)	2,967	2,480	(a)
Germany (Federal) ..	4,876	6,976	4,614	3,374	6,793	6,193
United States	25,823	28,299	22,422	22,587	23,834	26,891
Japan	(a)	(a)	2,417	3,276	3,617	5,048

(a) Information not available.

(b) Sales.

PRODUCTION OF ROLLED ZINC SHEETS, PLATES AND STRIPS
(Long tons)

Producing Country	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom	28,196	21,349	16,705	21,412	(c) 22,779	(c) 23,067
FOREIGN COUNTRIES						
United States (b) ..	62,567	59,007	47,754	50,346	43,781	47,390
Japan	4,205	4,500	3,602	4,949	4,346	4,890

(a) Information not available.

(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		
1950	12,358	1953 .. .. .	..	..	11,708
1951	10,381	1954 .. .. .	..	..	10,964
1952	9,917	1955 .. .. .	..	..	(a)

(c) Including wire.

EXPORTS OF ZINC
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	311	15	10,430	2,907	—	3,604
Ingots, bars etc. ..	71	10	129	5,573	585	608
Sheets, plates, etc. ..	3,745	2,097	1,556	1,800	2,533	2,149
Oxide	13,490	775	1,641	3,974	5,770	6,569
Lithopone, etc. ..	7,360	4,435	3,637	2,325	3,346	2,541
Kenya—						
Concentrates	—	160	297	—	—	—
Nigeria—						
Ore and concentrates ..	(a)	(a)	(a)	(a)	125	—
Northern Rhodesia—						
Ores and concentrates ..	—	—	—	—	10	—
Ingots	22,670	22,269	21,615	26,550	28,344	25,229
South West Africa—						
Ores and concentrates						
Union of South Africa—	(b) 31,308	(c) 11,467	(c) 15,254	(c) 13,269	(c) 19,753	(c) 21,375
Bars, sheets, etc. ..	75	12	—	1	1	(a)
Fume, dust, shavings, etc.	78	128	55	76	(a)	(a)
Canada—						
Ore (Zn content) ..	115,680	138,030	162,280	172,015	160,868	170,165
Spelter	131,143	130,475	148,986	141,418	183,962	190,926
Dross, scrap and ashes ..	4,540	4,027	3,238	3,735	4,566	4,880
Oxide	(a)	(a)	(a)	(a)	1,062	1,066
Hong Kong (re-exports)—						
Unwrought, incl. alloys	} 1,912	} 1,392	1	1	—	30
Plates and sheets ..			87	61	56	129
Oxide			(a) 477	324	220	187
Lithopone			(a) 599	2,734	2,183	197
India—						
Concentrates, etc. ..	3,555	1,882	4,684	3,258	3,999	4,907
Malaya (d)—						
Bars, sheets, tubes, etc.	182	148	187	397	140	112
Australia—						
Ores and concentrates (Zn content)	89,819	80,050	110,728	122,272	151,313	128,256
Dust (e) (f)	28	26	54	33	409	14
Ingots, blocks, etc. ..	43,001	20,529	44,741	36,938	38,262	33,902
Scrap and shavings (e) (f)	16	96	75	941	766	530
Plates and sheets (e) (f)	1,234	103	289	53	90	125
Oxide (e)	(a)	(a)	(a)	150	280	324
Irish Republic—						
Ores and concentrates	(a)	(a)	2,851	3,977	2,472	4,147
FOREIGN COUNTRIES						
Austria—						
Ore	5,963	302	6,875	8,856	10,551	4,859
Spelter and alloys ..	—	262	37	477	746	1,661
Scrap	1,763	1,198	1,674	2,762	2,814	2,704
Zinc-white	—	—	—	—	46	3
Lithopone	30	1,225	448	1,236	1,572	2,212
Belgium-Luxemburg						
E.U.—						
Ore	35,144	45,511	35,108	26,362	54,029	73,388
Spelter	112,021	93,688	119,278	118,769	126,876	120,907
Scrap	1,823	73	68	57	3,334	2,390

(a) Information not available.

(b) Excluding zinc contained in lead concentrates.

(c) Zn content.

(d) Including re-exports.

(e) Years ended June 30 of that stated.

(f) Revised.

EXPORTS OF ZINC (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
(cont.)						
Belgium-Luxemburg						
E.U.—(cont.)						
Sheets, tubes and wire	12,701	20,914	11,744	13,843	13,803	16,826
Dust	5,406	4,440	3,085	4,058	5,394	8,260
Oxide	5,207	6,585	—	(a)	(a)	(a)
Lithopone	12,020	15,159	3,624	5,641	8,603	12,198
Denmark—						
Spelter	958	1,841	1,015	987	921	—
Scrap	1,520	326	142	125	258	1,367
Finland—						
Concentrates	5,505	6,815	2,327	5,499	8,250	31,696
Bars, sheets, scrap etc.	132	42	92	10	—	—
France—						
Ore	334	2	47	4,155	—	1
Spelter, bars and scrap	3,695	535	770	539	1,180	616
Sheets	3,734	2,765	2,300	1,597	1,248	1,092
Oxide	2,450	2,065	1,538	2,669	2,820	1,930
Lithopone, etc.	1,563	1,755	1,167	1,428	1,079	623
Germany (Federal)—						
Ore	591	—	—	16,437	5,911	7,258
Spelter, dust and alloys	10,474	9,469	33,982	36,339	13,874	30,030
Scrap	98					
Sheets and wire	4,580	3,771	146	210	317	366
Zinc-white, zinc-grey ..	14,236	13,073	6,884	11,776	13,376	10,871
Lithopone	32,783	38,453	23,537	31,476	39,036	37,716
Greece—						
Ore	(a)	4,422	2,764	9,268	10,413	16,325
Italy—						
Ore	87,439	74,414	60,536	52,566	77,753	56,692
Spelter, scrap and alloyed	8,077	6,334	9,406	26,021	19,571	12,210
Sheets, wire and alloyed, etc.	10	—	9	—	—	5
Oxide	985	5,203	836	981	849	353
Lithopone	3,656	5,307	1,988	4,381	6,012	3,355
Netherlands—						
Spelter	10,098	17,134	16,545	19,203	15,635	18,107
Scrap	1,446	1,398	1,213	2,038	4,581	4,721
Sheets	2,105	927	1,459	1,014	1,655	1,180
Norway—						
Ore	1,787	3,259	—	408	2,854	6,023
Electrolytic zinc	32,625	28,754	27,199	30,388	30,361	32,409
Bars, sheets, wire, etc.	345	814	166	17	6	11
Ashes and scrap	844	1,934	1,476	1,346	1,618	1,903
Zinc-white	(a)	(a)	(a)	269	2,069	2,083
Portugal—						
Bars	72	291	28	119	10	9
Zinc-white	21	33	27	27	20	16
Spain—						
Ore	80,352	77,244	84,835	95,918	94,877	106,698
Bars, scrap, sheets, wire, etc.	2,053	2,927	745	1	1	(a)
Sweden—						
Ore	65,932	63,003	80,030	75,186	108,613	104,915
Spelter	2	269	194	124	98	518
Scrap	2,576	2,366	50	225	108	218
Zinc-white	1	34	30	283	830	990

(a) Information not available.

EXPORTS OF ZINC (cont.)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Spelter and scrap ..	2,903	4,406	2,770	3,561	5,303	5,937
Dust	9	104	95	39	13	52
Zinc-white, etc. ..	66	210	41	210	108	161
Yugoslavia—						
Concentrates	33,798	14,615	25,057	28,235	41,703	43,808
Spelter	1,392	3,491	7,555	3,140	1,331	2,700
Dust	1,257	1,394	1,308	2,797	2,146	1,423
Oxide	153	240	178	614	331	318
Lithopone	690	711	547	793	1,006	1,051
Algeria—						
Ore	16,691	18,338	17,519	19,819	45,676	63,750
Spelter, plates and scrap	396	751	203	273	535	516
Oxide	23	9	5	8	1	3
Belgian Congo—						
Ores and concentrates..	127,570	166,162	136,832	123,379	118,727	101,447
Electrolytic zinc	—	—	30	5,739	29,507	32,703
French Equatorial Africa						
Ore	4,429	5,907	1,968	—	—	—
Morocco (French)—						
Ore	16,633	33,819	47,281	53,038	70,259	75,105
Tunis—						
Ore	5,822	8,937	5,846	2,018	13,882	13,082
Guatemala (d)—						
Ore (Zn content) ..	336	5,485	9,969	5,710	1,624	7,265
Mexico—						
Ores and concentrates..	233,302	259,726	339,418	293,545	305,595	315,907
Refined	47,695	41,400	41,519	50,786	39,118	47,986
Oxide (metallurgical) ..	11,513	13,497	7,321	1,514	5,138	10,087
Zn content (c) ..	203,878	158,475	214,803	218,029	204,599	246,539
Oxide (other) ..	820	1,442	459	135	101	387
United States—						
Ore and dross (b) ..	1,017	2,759	3,009	2,637	—	—
Spelter	11,533	32,598	51,530	15,945	22,317	15,985
Scrap (b)	5,546	4,119	868	893	14,001	19,296
Sheets, strips, etc. ..	2,937	4,346	2,706	3,760	2,643	2,325
Dust	451	645	(a)	448	454	397
Oxide	2,762	7,942	6,799	2,652	2,778	2,365
Lithopone	8,354	18,280	8,915	3,506	2,690	1,689
Bolivia—						
Ores (Zn content) ..	19,269	30,053	35,056	26,122	20,003	20,990
Brazil—						
Ore	(a)	985	98	197	—	1,153
Chile—						
Ores (e)	115	200	4,253	1,588	(a)	(a)
Spelter	140	99	—	—	(a)	(a)
Colombia—						
Ore	(a)	248	436	408	—	—
Peru—						
Ores, etc. (Zn content)..	71,705	96,866	109,685	87,123	95,072	125,893
Bars (Zn content) ..	1,853	642	1,529	9,092	15,658	18,349
Burma—						
Concentrates	(a)	(a)	(a)	(a)	32,691	40,266
Japan—						
Spelter	339	6	4,112	639	2,065	4,406
Oxide and sulphide ..	75	248	810	9	37	109
Lithopone	96	617	308	250	78	102
Philippine Republic—						
Concentrates	(a)	182	422	1,412	—	—
Turkey—						
Ore	—	1,715	1,243	54	217	588

(a) Information not available.

(b) Zn content.

(c) Total metal content of above items and not additional. May include zinc content of complex ores not shown.

(d) Imports into the United States.

(e) Including complex ores.

IMPORTS OF ZINC
(Less Re-exports)
(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	196,422	179,986	193,030	165,261	192,863	200,252
Ingots, bars, etc. ..	141,914	121,879	228,835	125,567	153,036	159,522
Sheets, plates, etc. ..	414	1,045	248	(b) 547	668	1,090
Oxide	51	1,982	12	7	37	36
Lithopone, etc. . . .	12,067	14,693	4,170	3,296	2,122	2,286
Anglo-Egyptian Sudan—						
Unwrought incl. scrap	11	7	—	7	(a)	(a)
Gold Coast—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	(a)	76	50
Kenya—						
Unwrought, incl. scrap	4	13	(b) 7	58	96	49
Bars, plates, sheets, etc.	14	9	15	7	7	26
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	(a)	66	43
Southern Rhodesia—						
Sheets, dust, etc. ..	249	141	92	116	(c) 179	(c) 124
South West Africa—						
Spelter, sheets, etc. ..	1	12	—	3	1	(a)
Tanganyika—						
Bars, sheets, scrap, etc.	8	13	19	7	7	17
Union of South Africa—						
Bars, rods and ingots ..	14,978	21,806	8,072	13,853	22,004	11,898
Sheets and strips ..	327	713	408	226	74	(a)
Lithopone	1,454	4,028	683	1,412	(a)	(a)
Oxide	74	389	268	484	(a)	(a)
Dust and shavings ..	98	77	107	67	(a)	(a)
Canada—						
Dust	185	198	216	299	266	375
Ingots, sheets, plates bars, etc.	1,586	2,870	1,143	1,185	1,209	1,688
Zinc-white	989	594	649	1,234	924	719
Lithopone	7,280	6,171	2,817	2,990	2,269	1,691
Ceylon—						
Blocks, ingots, etc. ..	—	—	13	19	12	13
Sheets and plates ..	25	29	36	29	29	15
Hong Kong (total imports)—						
Unwrought, incl. scrap	} 1,835	} 2,841	18	52	141	232
Sheets and plates ..			1,066	1,777	843	1,268
Oxide			17	63	485	599
Lithopone			488	2,708	3,571	1,713
India—						
Spelter	30,583	17,167	23,821	23,980	37,597	31,028
Sheets, etc.	2,826	2,842	1,496	1,849	2,190	1,742
Zinc-white	91	16	15	15	7	51
Lithopone	1,425	2,873	2,184	773	1,250	729
Malaya (total imports)—						
Sheets	1,039	1,053	450	(d) 1,856	(d) 2,863	(d) 1,414
Pakistan (e)—						
Spelter	(a)	54	277	307	915	2,160
Zinc-white	(a)	45	277	194	105	194
Lithopone	(a)	689	597	374	399	676
Australia (f)—						
Dust	—	—	9	3	2	} 131
Bars, sheets and scrap ..	118	85	450	17	58	
Oxides	401	337	51	3	109	
Lithopone	4,110	1,852	5,923	68	1,871	

(a) Information not available.

(b) Excess of re-exports.

(c) Federation of Rhodesia and Nyasaland.

(d) Bars, sheets, tubes, etc. including alloys.

(e) Years ended March 31 following that stated.

(f) Year ended June 30 of that stated. Revised.

IMPORTS OF ZINC (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
<i>(cont.)</i>						
New Zealand—						
Spelter, ingots, bars, etc.	910	1,261	879	493	1,198	1,603
Sheets and plates	309	219	233	169	225	184
Oxide	183	492	229	169	237	411
Zinc-white	1,154	980	707	188	251	(a)
Lithopone	495	244	1,016	204	405	426
Irish Republic—						
Unwrought	235	122	199	595	1,063	1,679
Wrought	444	490	185	333	407	389
Zinc-white	740	864	150	448	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Ore	497	—	—	—	4,766	9,580
Spelter and alloys	5,954	7,021	5,530	5,532	7,620	9,601
Sheets, bars, etc.	4	24	3	11	12	26
Zinc-white and zinc-grey	115	202	96	28	233	364
Lithopone	297	—	8	15	25	193
Belgium-Luxemburg						
E.U.—						
Ore	397,316	445,478	491,061	353,513	475,451	541,807
Spelter	2,253	6,409	865	1,267	4,977	885
Scrap	350	424	168	145	43	68
Sheets, tubes and wire	156	52	82	187	196	34
Dust	25	3	—	9	13	61
Oxide	543	973	658	1,166	1,303	1,408
Lithopone	2,386	1,467	1,428	1,652	1,512	1,577
Denmark—						
Spelter	6,503	7,394	2,415	3,918	6,638	5,560
Scrap	34	45	38	60	83	75
Plates, sheets and wire	5,378	4,538	3,729	4,941	5,628	4,718
Zinc-white	3,029	1,966	1,329	1,905	1,798	1,726
Lithopone	3,420	3,343	1,610	1,687	1,988	1,763
Finland—						
Spelter	4,251	4,236	3,572	3,314	5,800	7,578
Scrap	7	1	10	52	35	45
Sheets	618	643	455	339	821	466
Zinc-white	1,708	1,845	1,320	774	848	878
Lithopone	(a)	1,403	798	940	1,753	1,596
France—						
Ore	151,871	127,938	184,593	163,295	237,612	296,558
Spelter	27,096	37,609	42,925	13,911	21,348	14,778
Scrap	1,691	463	649	293	6,316	6,957
Dust	650	815	352	2,634	3,935	2,022
Sheets	6	170	82	7	91	107
Oxide	839	5,668	2,213	612	900	380
Lithopone	5,028	10,359	3,873	8,575	8,289	12,799
Germany (Federal)—						
Ores	31,319	77,103	79,673	47,911	53,767	102,034
Spelter, dust, scrap and alloys	6,346	10,059	19,788	24,836	56,166	69,831
Sheets and wire	1	157	2	2	96	142
Zinc-white and zinc-grey	205	52	124	1,155	2,210	3,040
Lithopone	—	30	100	1,732	2,018	2,180
Greece—						
Spelter, etc.	860	477	977	1,406	2,048	2,171
Iceland—						
Zinc-white	100	10	26	29	37	26

(a) Information not available.

IMPORTS OF ZINC (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Ore	—	—	1,021	2,671	703	867
Spelter, matte, scrap and alloyed .. .	4,684	2,780	6,379	3,924	8,284	7,386
Sheets, wire, etc. and alloyed	102	—	—	—	—	—
Oxide	775	730	166	149	140	165
Lithopone	10	30	69	32	1,016	650
Netherlands—						
Ore	45,260	53,518	83,159	55,482	70,849	65,031
Spelter	10,809	8,373	4,997	9,906	17,159	7,565
Scrap	244	63	144	218	250	263
Sheets	3,576	3,878	3,294	4,036	3,609	3,340
Oxide	4,334	2,584	1,131	1,656	1,714	1,432
Lithopone	1,403	484	637	769	1,305	1,231
Norway—						
Ore	70,112	88,475	58,119	47,884	83,318	100,471
Ashes and scrap .. .	685	563	626	365	1,179	922
Spelter	472	562	1,221	311	360	359
Bars and sheets .. .	66	68	77	266	679	724
Zinc-white	172	793	542	369	657	762
Lithopone	98	818	343	616	610	601
Portugal—						
Spelter, scrap and dust	1,432	674	807	1,288	1,573	1,717
Oxide	1,094	841	850	909	917	822
Lithopone	835	928	1,209	1,024	1,255	1,488
Spain—						
Bars and scrap .. .	897	14	21	450	1,492	(a)
Sweden—						
Spelter	19,888	20,291	26,968	20,563	28,353	25,934
Scrap	90	29	31	46	—	17
Sheets	2,316	3,800	1,186	1,287	1,614	1,447
Zinc-white	8,221	4,526	3,081	4,389	4,950	4,990
Lithopone, etc. .. .	6,851	8,532	4,612	5,889	6,553	6,475
Switzerland—						
Spelter and scrap .. .	7,292	17,224	11,319	9,849	16,874	15,699
Dust	1,071	1,170	783	736	1,572	1,812
Bars, sheets, pipes and wire	1,546	2,409	1,003	1,248	1,489	1,336
Zinc-white, lithopone, etc.	7,055	7,668	4,493	6,461	7,504	8,522
Algeria—						
Spelter, sheets and scrap	776	696	630	590	694	767
Oxide	601	692	515	449	597	536
Lithopone, etc. .. .	455	513	516	668	502	755
Belgian Congo—						
Spelter and scrap .. .	(a)	(a)	(a)	92	20	28
Oxide	95	97	(a)	72	63	79
Lithopone	(a)	(a)	(a)	194	372	154
Egypt—						
Spelter, sheets and scrap	487	775	376	672	816	1,132
Zinc-white	620	235	185	274	286	429
Lithopone	2,664	1,370	2,127	2,395	2,368	2,666
Morocco (French)—						
Spelter, sheets and wire	46	(a)	443	468	591	(a)
Lithopone	604	(a)	811	1,007	1,071	(a)
Mozambique—						
Spelter, bars and sheets	13	11	8	16	4	10
Oxide	25	13	13	11	21	18
Tunis—						
Spelter and dust .. .	(a)	100	(a)	49	102	2
Sheets	(a)	135	(a)	84	103	90
Oxide	(a)	40	(a)	107	162	109
Lithopone	(a)	214	(a)	343	(a)	(a)

(a) Information not available.

IMPORTS OF ZINC (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba (total imports)—						
Spelter	163	183	163	123	151	(a)
Bars and sheets	125	109	73	137	108	(a)
Mexico—						
Spelter, sheets and scrap	116	36	129	79	156	32
United States—						
Ore (<i>Zn content</i>)	221,982	214,085	520,330	414,318	444,493	363,320
Spelter	138,665	78,557	100,938	203,209	144,043	174,856
Dross and scrap	2,530	5,895	3,118	5,281	970	254
Sheets	189	133	42	175	231	385
Dust	421	138	118	933	—	64
Oxide	4,549	1,591	155	1,059	2,096	2,964
Lithopone	1,073	709	9	26	58	27
Argentina—						
Spelter and bars	1,406	1,170	4,155	197	1,968	6,397
Sheets and plates	3,270	(a)	491	1,268	154	—
Zinc-white	—	(a)	73	—	—	—
Brazil (total imports)—						
Bars, sheets and plates	10,394	12,534	10,240	13,054	21,970	15,177
Zinc-white	(a)	4,544	3,355	2,332	4,885	3,152
Chile—						
Spelter	1,451	2,916	1,986	2,397	4,097	(a)
Bars and sheets	194	140	74	295	(a)	(a)
Zinc-white	229	145	136	85	(a)	(a)
Lithopone	1,224	1,517	1,579	1,169	(a)	(a)
Colombia (total imports)—						
Spelter, sheets, alloys, etc.	339	479	116	187	530	1,614
Zinc-white		225	391	590	778	876
Lithopone	593	513	205	378	317	624
Peru—						
Spelter, bars, sheets and powder	55	85	74	82	72	113
Zinc-white and lithopone	427	384	317	262	532	400
Uruguay—						
Spelter	500	563	336	402	(a)	(a)
Lithopone	305	370	372	425	(a)	(a)
Zinc-white	351	180	262	289	(a)	(a)
Venezuela—						
Spelter	1	(a)	21	17	6	(a)
Zinc-white	299	(a)	66	119	207	(a)
Lithopone	91	(a)	528	526	727	(a)
Formosa—						
Spelter	74	30	145	452	7,767	1,156
Bars, rods and alloyed	(a)	(a)	118	152	162	
Indonesia—						
Zinc-white	1,549	1,630	1,146	1,525	1,025	2,562
Iran (b)—						
Spelter, sheets and wire	(a)	20	15	11	28	(a)
Oxide	(a)	(a)	50	25	268	(a)
Lithopone	(a)	(a)	725	462	476	(a)
Iraq—						
Spelter, sheets, etc.	7	5	5	11	27	(a)
Israel—						
Spelter and sheets	1,096	372	166	498	1,435	1,759
Lithopone	218	338	568	460	845	840
Japan—						
Ore	403	11,515	15	2,367	3,820	10,683
Spelter	1,397	12,153	1,936	7,177	4,375	5,182
Scrap	80	1,787	235	1,797	142	205
Dross	23,200	12,088	311	1,346	295	35
Plates and sheets	117	89	99	7	4	8

(a) Information not available.

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

IMPORTS OF ZINC (cont.)

Importing Country and Description	1950	1951	1952	1953	1954	1955
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Lebanon—						
Oxide and lithopone ..	165	87	57	108	165	280
Philippine Republic—						
Spelter and sheets ..	46	49	37	67	101	136
Dust	51	116	74	93	83	95
Oxide	312	487	210	497	810	474
Lithopone	238	440	284	250	159	249
Syria—						
Oxide and lithopone ..	(a)	100	132	321	349	586
Turkey—						
Spelter	38	169	251	420	691	32
Bars, tubes and wire ..	2,237	1,341	2,301	3,075	1,967	3,801
Oxide	637	566	1,118	1,561	1,565	1,035
Lithopone	1,199	1,322	1,597	1,952	1,286	1,102

(a) Information not available.

ZIRCONIUM MINERALS
PRODUCTION OF ZIRCONIUM MINERALS
(Long tons)

Producing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
India	(a)	(a)	(a)	(a)	(a)	(a)
Australia—						
Zircon (b)	21,535	43,816	30,319	(a)	(a)	(a)
Zircon concentrates (c)	21,805	42,410	29,691	27,207	41,453	48,683
FOREIGN COUNTRIES						
Egypt	93	3	118	235	97	112
French West Africa	—	21	—	935	(e) —	—
Madagascar	—	—	4	—	—	—
Brazil (d)	2,968	3,441	3,909	3,044	3,726	2,958

Zircon is also produced in the United States.

(a) Information not available.

(b) Estimated zircon content of all zircon-bearing concentrates including the zircon concentrates below.

(c) Zircon content included above and not additional.

(d) Chiefly baddeleyite.

(e) Revised.

EXPORTS OF ZIRCONIUM MINERALS
(Domestic Produce)
(Long tons)

Exporting Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
India—						
Zircon sand	(a)	(a)	(a)	(a)	(a)	(a)
Australia—						
Zircon concentrates	19,609	38,485	26,083	31,173	36,512	46,685
Zircon-rutile	1,564	—	—	—	—	—
Zircon-rutile-ilmenite	4	—	—	—	—	—
FOREIGN COUNTRIES						
French West Africa—						
Zircon	69	21	—	30	904	—
United States—						
Ores and concentrates	468	330	522	991	617	696
Brazil (b)	950	2,360	2,165	1,255	1,181	1,381

(a) Information not available.

(b) Chiefly baddeleyite.

IMPORTS OF ZIRCONIUM MINERALS

(Less Re-exports)

(Long tons)

Importing Country and Description	1950	1951	1952	1953	1954	1955
BRITISH COUNTRIES						
United Kingdom—						
Zirconium ores ..	2,769	5,690	3,454	4,548	5,627	9,168
Canada—						
Zirconium oxide ..	(£11,222)	(£7,834)	(£8,579)	(£8,216)	(£3,652)	(6,994)
Zirconium silicate ..	(£26,319)	(£29,950)	(£38,340)	(£47,139)	(£49,790)	(£42,315)
FOREIGN COUNTRIES						
Italy—						
Zirconium ore ..	(a)	(a)	155	131	103	130
United States—						
Zirconium ore (b) ..	15,023	24,367	21,345	22,025	16,658	25,974
Zircon (c) ..	13,480	21,944	19,196	20,524	(a)	(a)
Baddeleyite (d) ..	622	1,861	1,761	1,076	1,257	1,283

(a) Information not available.

(b) 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.

(c) Zircon content of zirconium ore, rutile and ilmenite concentrates imported from Australia.

(d) 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	1950	1951	1952	1953	1954	1955
TELLURIUM						
PRODUCTION—						
Canada Lb.	10,075	8,913	6,035	4,694	8,171	9,014
United States (b) Lb.	107,364	187,148	189,076	70,446	97,114	143,877
Japan Lb.	—	—	—	331	992	992
IMPORTS—						
Germany (Federal) Lb.	(a)	(a)	3,086	2,205	9,480	22,046
VERMICULITE						
PRODUCTION—						
Kenya Ton	4	3	—	73	720	340
Southern Rhodesia Ton	700	494	—	—	—	—
Union of South Africa Ton	41,753	24,120	32,641	30,218	40,744	51,323
Australia .. Ton	120	55	62	29	—	—
India Ton	52	232	22	—	3	—
United States (sales) Ton	185,800	186,614	186,523	169,228	174,587	182,179
Argentina .. Ton	(a)	(a)	(a)	(a)	(a)	(d) 500
WORLD'S TOTAL Ton	228,429	211,518	219,248	199,548	216,054	234,400
EXPORTS—						
Union of South Africa Ton	(c) 26,183	(c) 21,761	(c) 29,203	(c) 29,363	36,538	40,036
Southern Rhodesia Ton	374	234	28	146	8	3
IMPORTS—						
Canada £	86,368	103,505	117,340	118,779	127,530	129,240
France Ton	(a)	500	2,598	3,636	3,477	5,193
Mexico Ton	99	126	797	343	449	586

(a) Information not available.

(b) Including tellurium content of compounds.

(c) Revised.

(d) Estimated.

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